

DCS-816

Digital Keyphone System

Programming Guide

About This Manual

The DCS-816 digital keyphone system can easily change system settings by using the keyset. An MMC (Man Machine Code) is a program, which sets up the system according to your needs. This chapter explains how to use a keyphone MMC program. It consists of four parts as follows.

- Introduction to programming
- Precautions before starting programming
- Programming procedure
- Programming using MMCs

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Chapter 1

Introduction to Programming

Chapter 1 Introduction to Programming

PROGRAMMING OVERVIEW

The DCS-816 system arrives from the factory with default data. Connect it to trunks, stations and power, turn the system on and it is fully operational. The only thing left to do is customise 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 (e.g. 100). These MMC codes are used to view, create or change customer data. Programming is simply deciding what needs to be done and knowing which MMC is used to do it. For example: use MMC 601 to create a station group; enter system speed dial numbers in MMC 705; and assign soft keys 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 shows the keys on a display keyset that have special functions during programming.



CAUTION

This manual describes standard settings. Some MMC codes and default data may be different from those shown depending on the country selected in MMC 812.

PROGRAMMING LEVELS

There are three levels of programming: technician (or system), customer and station. Technician and customer levels are under passcode protection while station programming does not require a passcode.

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

Technician (System) level

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

Customer level

This level is entered via MMC 200 and requires the customer passcode. It allows access to station programs and system programs permitted by the technician in MMC 802. When using the customer passcode to access station programs, data for all stations can be viewed or changed.

Station level

All keysets can access station programs 102-121 without using a passcode. Each user can only change station data for his/her own keyset.

When an LCD 12B or 24B keyset is in programming mode, 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.

However, before you begin entering customer data:

IMPORTANT

When installing this system, and before doing any other programming, use MMC 812 first to select your country code and to reset and clear memory. This will ensure that you begin with clean, default data.

Remember that to begin programming using an MMC you must press the TRSF key. When you have finished entering data for an MMC and wish to program another MMC, press the SPK key to store the data and advance to the next MMC. To end programming you must press the TRSF key again to store the data and exit programming.

Now begin entering customer data.

**SPECIAL KEY FUNCTIONS****FIGURE 1-1**

Chapter 2

Programming Procedures

Chapter 2 Programming Procedures

PROGRAM LIST

100:	STATION LOCK	401:	C.O./PBX LINE
101:	CHANGE USER PASSCODE	402:	TRUNK DIAL TYPE
102:	CALL FORWARD	403:	TRUNK TOLL CLASS
103:	SET ANSWER MODE	404:	TRUNK NAME
104:	STATION NAME	405:	TRUNK NUMBER
105:	STATION SPEED DIAL	406:	TRUNK RING ASSIGNMENT
106:	STATION SPEED DIAL NAME	407:	FORCED TRUNK RELEASE
107:	KEY EXTENDER	408:	ASSIGN TRUNK MUSIC ON HOLD
108:	STATION STATUS	409:	TRUNK STATUS READ
109:	DATE DISPLAY	410:	ASSIGN DISA TRUNK
110:	STATION ON/OFF	414:	MPD/PRS SIGNAL
111:	KEYSET RING TONE	415:	REPORT TRUNK ABANDON DATA
112:	ALARM REMINDER	418:	CARD RESTART
113:	VIEW MEMO NUMBER	419:	BRI OPTION
114:	KEYSET VOLUME	421:	MSN DIGIT
115:	SET PROGRAMMEDMESSAGE	422:	ASSIGN TRUNK COS
116:	ALARM AND MESSAGE	423:	S/T MODE
119:	SET CLIP DISPLAY	424:	S0 MAPPING
121:	KEYSET LANGUAGE	426:	TRUNK GAIN CONTROL
200:	OPEN CUSTOMER PROGRAMMING	428:	ASSIGN TRUNK/TRUNK USE
201:	CHANGE CUSTOMERPASSCODE		
202:	CHANGE FEATUREPASSCODES	500:	SYSTEM-WIDE COUNTERS
203:	ASSIGN UA DEVICE	501:	SYSTEM-WIDE TIMERS
204:	COMMON BELL CONTROL	502:	STATION-WIDE TIMERS
205:	ASSIGN LOUD BELL	503:	TRUNK-WIDE TIMERS
206:	BARGE-IN TYPE	504:	PULSE MAKE/BREAK RATIO
207:	ASSIGN VM/AA PORT	505:	ASSIGN DATE AND TIME
208:	ASSIGN RING TYPE	506:	TONE CADENCE
209:	ASSIGN ADD-ON MODULE	507:	ASSIGN AUTO NIGHT TIME
210:	CUSTOMER ON/OFF	508:	CALL COST
211:	DOOR RING ASSIGNMENT	510:	SLI RING CADENCE
214:	DISA ALARM RINGING STATION	512:	HOLIDAY
219:	COMMON RELAY SERVICE TYPE	600:	ASSIGN OPERATOR GROUP
220:	ISDN SERVICE TYPE	601:	ASSIGN STATION GROUP
300:	CUSTOMERON/OFFPERSTATION	602:	STATION GROUP NAME
301:	ASSIGN STATION COS	603:	ASSIGN TRUNK GROUP
302:	PICKUP GROUPS	604:	ASSIGN INTERNAL PAGE ZONE
303:	ASSIGN BOSS/SECRETARY	605:	ASSIGN EXTERNAL PAGE ZONE
304:	ASSIGN STATION/TRUNK USE	606:	ASSIGN SPEED BLOCK
305:	ASSIGN FORCED CODE	607:	UCD OPTIONS
306:	HOT LINE	608:	ASSIGN CLIP REVIEW BLOCK
308:	ASSIGN BACKGROUND MUSIC SOURCE	700:	COPY COS CONTENTS
309:	ASSIGNSTATIONMUSICONHOLD	701:	ASSIGN COS CONTENTS
310:	LCR CLASS OF SERVICE	702:	TOLL DENY TABLE
312:	ALLOW CLIP	703:	TOLL ALLOWANCE TABLE
314:	CONFIRM OUTGOING CALL	704:	ASSIGN WILD CHARACTER
315:	SET RELOCATION	705:	ASSIGN SYSTEM SPEED DIAL
316:	COPY STATION USABLE	706:	SYSTEM SPEED DIAL BY NAME
317:	ASSIGN STATION/STATION USE	707:	AUTHORISATION CODE

318:	DISTINCTIVE RING	708:	ACCOUNT CODE
319:	BRANCH GROUP	709:	TOLL PASS CODE
400:	CUSTOMER ON/OFF PER TRUNK	710:	LCR DIGIT TABLE
711:	LCR TIME TABLE	736:	ASSIGN AA MOH
712:	LCR ROUTE TABLE	740:	STATION PAIR
713:	LCR MODIFY DIGIT TABLE	750:	VMS RESTART
714:	DID NUMBER & NAME TRANSLATION	751:	ASSIGN MAILBOX
715:	PROGRAMMED STATION MESSAGE	752:	AUTO RECORD
716:	UK LCR OPTION	753:	WARNING DESTINATION
718:	MY AREA CODE	754:	VM HALT
720:	COPY KEY PROGRAMMING	755:	VM ALARM
721:	SAVE STATION KEYPROGRAMMING	756:	ASSIGN VM MOH
722:	Station Key Programming	757:	VM IN/OUT
723:	System Key Programming	800:	Enable Technician Program
724:	DIAL NUMBERING PLAN	801:	CHANGE TECHNICIAN PASSCODE
725:	SMDR Options	802:	CUSTOMER ACCESS MMC NUMBER
726:	VM/AA Options	804:	SYSTEM I/O PARAMETER
727:	SYSTEM VERSION DISPLAY	805:	TX LEVEL & GAIN
728:	CLIP TRANSLATION TABLE	806:	CARD PRE-INSTALL
730:	AA RECORD GAIN	807:	VOLUME CONTROL
731:	AA RAM CLEAR	809:	SYSTEM MMC LANGUAGE
732:	AA TRANS TABLE	810:	HALT PROCESSING
733:	AA PLAN TABLE	811:	RESET SYSTEM
734:	AA MESSAGE MATCH	812:	COUNTRY CODE
735:	AA USE TABLE		

PROGRAM PROCEDURES

The instructions for each MMC assume that you have already opened programming. First, run MMC 812, Country Code, to set your country (e.g U.K.) before you do any other programming.



CAUTION

This manual describes standard settings. Some MMC codes and default data may be different from those shown depending on the country selected in MMC 812.

Helpful hint:

When you are finished programming in MMC codes 100–812 and have other programming to do, press SPK to exit the MMC but stay in the programming mode and use one of the following methods.

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

Pressing TRSF will always save changes and exit programming mode.

DCS-816 DEFAULT DATA

Station Programs

100:	STATION LOCK	All stations unlocked
101:	CHANGE USER PASSCODE	All station passcodes = 1234
102:	CALL FORWARD	None
103:	SET ANSWER MODE	All keysets ring Ring frequency default is 5
104:	STATION NAME	None
105:	STATION SPEED DIAL	None
106:	STATION SPEED DIAL NAME	None
107:	KEY EXTENDER	None
108:	STATION STATUS	PORT NUMBER: Follows H/W position TYPE: Follows phone type PICKUP GROUP: 01 SGR: NONE BOSS'SECR: NONE PAGE : NONE DAY COS NO: 01 NIGHT COS NO: 01
109:	DATE DISPLAY	COUNTRY: WESTERN CLOCK: 24 CLOCK DISPLAY: LOWER CASE
110:	STATION ON/OFF	AUTO HOLD: OFF AUTO TIMER: ON HEADSET USE: OFF HOT KEYPAD: ON KEY TONE: ON PAGE REJOIN: ON RING PREFERENCE: ON CALL COST: OFF
111:	KEYSET RING TONE	SELECTION 5
112:	ALARM REMINDER	Alarms set to NOTSET
113:	VIEW MEMO NUMBER	No memos entered
114:	KEYSET VOLUME	RING VOLUME: 4 OFF HOOK RING VOLUME: 4 HANDSET VOLUME: 4 SPEAKER VOLUME: 13 BGM VOLUME: 13
115:	SET PROGRAMMEDMESSAGE	No messages selected
116:	ALARM AND MESSAGE	Alarms set to notset
119:	SET CLIP DISPLAY	Number first
121:	KEYSET LANGUAGE	ENGLISH

System Programs

200:	OPEN CUSTOMERPROGRAMMING	Closed (Disabled)
201:	CHANGE CUSTOMER PASSCODE	Passcode = 1234
202:	CHANGE FEATURE PASSCODES	DAY/NIGHT 0000 DISA ALARM 5678 ALARM CLR 8765 AA RECORD 4321
203:	ASSIGN UA DEVICE	None
204:	COMMON BELL CONTROL	Continuous
205:	ASSIGN LOUD BELL	Unassigned
206:	BARGE-IN TYPE	NO BARGE-IN
207:	ASSIGN VM/AA PORT	NORMAL PORT
208:	ASSIGN RING TYPE	ICM RING
209:	ASSIGN ADD-ON MODULE	MASTER = NONE
210:	CUSTOMER ON/OFF	DISA PSWD: ON LCR ENABLE: OFF PERI UCD SET: OFF CID CODE INS: OFF DISA MOH: OFF TRANSFER MOH: OFF DSP SSPDNAME: OFF DDI BSY ROUT: OFF DDI NOT ROUT: OFF ALL PICK UP: OFF ARD TONE CHK: ON VPN ENABLE: OFF IN TOLL CHK: OFF
211:	DOOR RING ASSIGNMENT	Station group 500
214:	DISA ALARM RINGING STATION	DAY 500 NIGHT 500
219:	COMMON RELAY SERVICE TYPE	External Page
220:	ISDN SERVICE TYPE	VOICE
300:	CUSTOMER ON/OFF PER STATION	STN CALL PRT : OFF FWD DLY USE : OFF The others set to ON
301:	ASSIGN STATION COS	Day class = 01 Night class = 01
302:	PICKUP GROUPS	All stations 01
303:	ASSIGN BOSS/SECRETARY	None
304:	ASSIGN STATION/TRUNK USE	DIAL = Yes ANS = Yes
305:	ASSIGN FORCED CODE	None
306:	HOT LINE	None
308:	ASSIGN BACKGROUND MUSIC SOURCE	None

500:	SYSTEM-WIDE COUNTERS	Alarm Rem Cntr= 5 Auto Rdl Counter= 5 DISA Call Cntr= 99 DISA Lock Cntr= 3 New Call Counter= 99 UCD Visual Alarm= 0 UCD Audio Alarm= 0 UCD CS Level 1= 0 UCD CS Level 2= 0
501:	SYSTEM-WIDE TIMERS	SEE MMC 501
502:	STATION-WIDE TIMERS	SEE MMC 502
503:	TRUNK-WIDE TIMERS	SEE MMC 503
504:	PULSE MAKE/BREAK RATIO	Make/Break = 33 Pulses Per Second = 10
505:	ASSIGN DATE AND TIME	Follows software version release data
506:	TONE CADENCE	SEE MMC 506
507:	ASSIGN AUTO NIGHT TIME	None
508:	CALL COST	UNIT COST PER MP: 200 PENCE CALL COST RATE: 100%
510:	SLI RING CADENCE	SEE MMC 510
512:	ASSIGN HOLIDAY	None
600:	ASSIGN OPERATOR GROUP	DAY:500 NIGHT:500
601:	ASSIGN STATION GROUP	SEE MMC 601
602:	STATION GROUP NAME	None
603:	ASSIGN TRUNK GROUP	All analogue trunks are in group 9 All digital trunks are in group 80
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(20 blocks) Stations: One bin of 10 entries (1 block)
607:	UCD OPTIONS	SEE MMC 607
608:	ASSIGN CLIP REVIEW BLOCK	One bin of 10 entries
700:	COPY COS CONTENTS	None
701:	ASSIGN COS CONTENTS	SEE MMC 701
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:	AUTHORISATION CODE	COS: 01

708:	ACCOUNT CODE	None
709:	TOLL PASS CODE	None
710:	LCR DIGIT TABLE	SEE MMC 710
711:	LCR TIME TABLE	All Day 0000: 1
712:	LCR ROUTE TABLE	01: 1 C: 1 G: 9 M: 001
713:	LCR MODIFY DIGIT TABLE	002: I : 132 003: DEL: 03
714:	DID NUMBER AND NAME TRANSLATION	SEE MMC 714
715:	PROGRAMMED STATION MESSAGE	SEE MMC 715
716:	UK LCR OPTION	SEE MMC 716
718:	MY AREA CODE	SEE MMC 718
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	SEE MMC 725
726:	VM/AA OPTIONS	SEE MMC 726
727:	SYSTEM VERSION DISPLAY	SEE MMC 727
728:	CLIP TRANSLATION TABLE	None
730:	AA RECORD GAIN	0dB
731:	AA RAM CLEAR	None
732:	AA TRANS TABLE	SEE MMC 732
733:	AA PLAN TABLE	SEE MMC 733
734:	AA MESSAGE MATCH	MSG index number
735:	AA USE TABLE	Plan 01
736:	ASSIGN AA MOH	NOT USE
740:	STATION PAIR	None
750:	VMS RESTART	DOWNLOAD = YES
751:	ASSIGN MAILBOX	All stations = YES All groups = NO
752:	AUTO RECORD	NONE
753:	WARNING DESTINATION	DEST = 500
754:	VM HALT	PROC
755:	VM ALARM	80%
756:	ASSIGN VM MOH	Not Use
757:	VM IN/OUT	IN
800:	ENABLE TECHNICIAN PROGRAM	DISABLE
801:	CHANGE TECHNICIAN PASSCODE	Default passcode = 4321

802:	CUSTOMER ACCESS MMC NUMBER	SEE MMC 802
804:	SYSTEM I/O PARAMETER	SEE MMC 804
805:	TX LEVEL AND GAIN	SEE MMC 805
806:	CARD PRE-INSTALL	None
807:	VOLUME CONTROL	SEE MMC 807
809:	SYSTEM MMC LANGUAGE	ENGLISH
810:	HALT PROCESSING	None
811:	RESET SYSTEM	None
812:	COUNTRY CODE	None

SPECIAL APPLICATIONS

This part of the manual is titled “Special Applications” because it provides information about interfacing with customer-provided equipment (CPE) or using a feature in a different way than it was intended. Perhaps an application may require a combination of CPE, creative programming, unusual feature operation or all of the above.

Because these applications require installation instructions and a combination of programming sequences, there is no obvious place to put this information; therefore, it is placed here. As additional special applications are reported from the field, they will be included in this section.

VOICE MAIL/AUTO ATTENDANT INTEGRATION

This section focuses mainly on in-band integration.

Because of the increased popularity of voice mail and auto attendant use, DCS-816 includes many programmable options to address this demand. The degree of integration that can be achieved depends on the abilities of the voice mail/auto attendant (VM/AA) system as well as the telephone system.

This list details the capabilities provided by the DCS-816 for voice mail via in-band integration.

Hardware Provisions

The VM/AA system must be connected to single line circuits on any SLI port.

Each port is equipped with a dedicated DTMF receiver for detecting DTMF signalling from the VM/AA.

These ports also provide an instant break in loop current when the calling party hangs up. This is called a disconnect signal.

Software Provisions

SCREENED OR UNSCREENED TRANSFER

There are no special codes needed to transfer a call. Simply hookflash, receive transfer dial tone and dial the destination.

DIRECT IN LINES

Any C.O. call can be assigned to ring at an individual station or a station hunt group assigned to the VM/AA.

CALLS OR RECALLS TO THE OPERATOR

Dialling 0 will always result in a ringback signal. If the operator is busy, the call continues to ring in queue to the operator. This prevents a caller from dialling 0 and reaching another mailbox because the operator is busy.

MESSAGE WAITING

A VM/AA port can leave a message at any station or group of stations. The message waiting indication can be set or cancelled at any station or station group with or without the stations ringing.

IN-BAND SIGNALLING

DCS-816 can be programmed to send the calling station's extension number after the voice mail system answers. These DTMF signals may include a leading digit to indicate the type of call and additional information about the original caller. DTMF signals may also be substituted for call progress tones to speed up voice mail call processing. This program allows call forwarding to a mailbox and bypassing of the main greeting for automatic message retrieval. Blind transfers may be performed because the recall will be correctly identified.



The effectiveness of this program depends on the ability of the voice mail system to make use of this information.

STATION HUNT GROUP WITH OVERFLOW

Each station group can have an individual overflow destination with an individual overflow timer. The overflow destination will ring whenever a call to the group is not answered. If the voice mail system becomes inoperative, calls are automatically routed to the overflow destination.

INTERNAL CALL FORWARDING TO VOICE MAIL

This option in MMC 300 will allow or deny intercom calls from following call forward to voice mail. This feature conserves disk drive space by only storing calls originating outside the system.

ONE-TOUCH VOICE MAIL ACCESS

One-touch speed dial keys can be programmed to automatically dial, log into and retrieve messages from voice mail.

CALL PROGRESS TONES

The only tones sent to a VM/AA port are dial tone, busy and ringback. To eliminate confusion, busy tone is substituted for DND or error tones on voice mail ports only.

INDIVIDUAL STATION PAGE

The system was not designed to permit page announcements to individual keysets. However, a forced auto answer key (FAUTO) can be used to accomplish this.

1. Program a keyset for RING in MMC 103.
2. Assign an FAUTO key to each keyset that is allowed to page individual keysets.
3. Call another station. When you hear ringback tone, press the FAUTO key. The ringing will stop and an Auto Answer call is set up.



NOTE

To prevent the use of this feature from getting out of control, only assign FAUTO keys to those keysets needing to page individual keysets.

CALLING LINE INDICATION PRESENTATION (CLIP)

Hardware Provisions

ISDN trunk cards

Software Provisions

The MMCs related to CLIP are listed below with a short description of their use. They are listed in the recommended order in which they should be programmed. This sequence is suggested so that the installer gets a better understanding of how the feature works. There is no technical reason to follow this sequence.

- **MMC 312 ALLOW CLIP**

This MMC is used by the technician to determine which keysets are allowed to receive CLIP displays.
- **MMCs 722 and 723**

These MMCs have had new keys related to CLIP features added to them. It is strongly recommended that all keysets allowed CLIP in MMC 312 are programmed with a CLIP key.
- **MMC 728 CLIP TRANSLATION**

This MMC allows the technician to create a list of names that correspond to numbers received from the Central Office (C.O.). These names will be displayed when a call rings in that has NUMBER ONLY data provided by the C.O.
- **MMC 725 SMDR OPTIONS**

The ability to print CLIP data and abandoned calls has been added to this MMC
- **MMC 119 CLIP DISPLAY**

This MMC is used by the end user to determine which piece of CLIP data is displayed when a call rings at the user's station.
- **MMC 501 SYSTEM TIMERS**

This MMC has two new timers related to CLIP. The only timer that may need adjustment is the CLIP DISPLAY TIME. This is the length of time that CLIP data is displayed after the CLIP key is pressed.
- **MMC 415 TRK ABANDON**

This MMC is used by the technician to determine which trunks will record data in the Call Abandon list and print with an Abandon "A" flag on SMDR.
- **MMC 608 CLIP BLOCK**

This MMC is used by the technician to assign CLIP Review blocks to keysets to allow the user to review CLIP data for previous calls.

- MMC 701 CLASS OF SERVICE

All of the CLIP features have been added to this MMC to enable the technician to allow or deny them.

- MMC 724 NUMBER PLAN

CLIP features have been added to this MMC to allow a technician to assign an access code where necessary.

TOLL RESTRICTION (CALL BARRING) OVERVIEW

DCS-816 allows each station to be assigned a class of service (COS) for use in the day mode and a COS for use in the night mode. This COS determines the station's dialling class, which can be set to A through H.

Class A has no general restrictions and is not configurable but it will follow the restrictions set in the Class of Service table (see MMC 701) 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.

Toll Restriction (Call Barring) Rules

1. The deny entries prevent certain numbers from being dialled. The allow entries are the 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. When changing any entry or BCDEFG status, you must enter all digits.

The system has a Wild Card facility, these wildcards consists of three characters (X, Y or Z), these characters can be set to equal all DTMF digit from 1~9, 0, * and #.

The following examples are provided as an aid to help understand how to use the deny and allow tables.

Example

Customer requirements:

- Phones with dialling class B can only dial local calls (i.e. cannot dial any number starting with 0)
- Classes C and D are restricted (denied) from dialling 0860 and 0850 numbers.
- Classes E and F are restricted from dialling 0891 and 0898 numbers.
- Class G can dial any number.
- All classes except B can dial 192
- All classes can dial 999 calls.

Toll Deny Table		
Entry	Digits	BCDEFG
001	0	100000
002	0850	111000
003	0891	100110
004	0898	100110
005	192	100000
006	0860	111000

Toll Allow Table		
Entry	Digits	BCDEFG
0001	01865	111111

The entry in the toll allow table is used to override the toll deny table for specific numbers, i.e. all classes (even class B) can dial 01865.

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Chapter 3

Programming Using MMCs

Chapter 3 Programming Using MMCs

This section explains how to program using the MMCs. You should read the instructions for each program carefully before starting the program.

First, decide what changes are required to the system, and therefore which MMCs you need to use. Then, "ENABLE" the keyset and follow the procedure for your selected program(s).



The default data of each MMC may vary according to each country.

100 STATION LOCK

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

- | | | |
|---|----------|--|
| 0 | UNLOCKED | Unlocks a locked station. |
| 1 | LOCKED | OUTNot allowed to access C.O line for dial out |
| 2 | LOCKED | ALLNot 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
Press UP or DOWN to select station and press RIGHT soft key to move cursor
Press UP or DOWN to select station and use RIGHT soft key to move cursor
OR
Press ANS/RLS to select all stations
3. Enter 0 to unlock or 1 to lock (e.g. 1)
OR
Press UP or DOWN key to make selection and press
Use UP and DOWN key to make selection and press
RIGHT soft key to return to
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

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

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



NOTE

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

PROGRAM KEYS

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

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.

DCS-816 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 (e.g. 1)
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

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

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
```

DEFAULT DATA

None

RELATED ITEMS

MMC 301	Assign Station COS
MMC 501	System-Wide Timers
MMC 502	Station-Wide Timers
MMC 701	Assign COS Contents
MMC 722	Station Key Programming
MMC 723	System Key Programming

Allows the system administrator or technician to enter a name (up to 11 characters) 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" four times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete the name. 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	<	>	.	)	0
DIAL 1	Space	?	,	!	1
DIAL 2	A	B	C	@	2
DIAL 3	D	E	F	#	3
DIAL 4	G	H	I	\$	4
DIAL 5	J	K	L	%	5
DIAL 6	M	N	O	^	6
DIAL 7	P	Q	R	S	7
DIAL 8	T	U	V		8
DIAL 9	W	X	Y	Z	9
DIAL *	:	=	[]	

The # 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
3. Enter the station name using the procedure described
above 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] STN NAME

[205] STN NAME

—

[205] STN NAME
SAM SMITH

DEFAULT DATA

None

RELATED ITEMS

- “A” button is button #19 on keyset
- “B” button is button #20 on keyset
- “C” button is button #21 on keyset
- “D” button is button #22 on keyset
- “E” button is button #23 on keyset
- “F” button is button #24 on keyset

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 24 digits to be dialed. These dialed digits may consist of 0–9, * and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

PROGRAM KEYS

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

1. Press TRSF 105
Display shows

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

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

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

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

DISPLAY

```
[201] SPEED DIAL
00 :
```

```
[205] SPEED DIAL
00 :
```

```
[205] SPEED DIAL
SPDBLK NOT EXIST
```

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

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

DEFAULT DATA

None

RELATED ITEMS

MMC 106	Station Speed Dial Name
MMC 606	Assign Speed Block
“B” button is button #20 on keyset	
“C” button is button #21 on keyset	
“D” button is button #22 on keyset	
“E” button is button #23 on keyset	
“F” button is button #24 on keyset	

Allows a name (up to 11 characters) 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 keypad 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 keypad moves the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" four times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key changes the letter from upper case to lower case.



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

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

The # 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

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

If selected station has no speed dial bins, the display
will be as shown and a new station may be selected.

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

5. Enter the location name using the procedure described
above 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

DEFAULT DATA

None

RELATED ITEMS

MMC 105	Station Speed Dial
MMC 606	Assign Speed Block
"A" button is button #19 on keyset	
"B" button is button #20 on keyset	
"C" button is button #21 on keyset	
"D" button is button #22 on keyset	
"E" button is button #23 on keyset	
"F" button is button #24 on keyset	

DISPLAY

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

```
[205] SPEED NAME  
00:
```

```
[205] SPEED NAME  
SPDBLK NOT EXIST
```

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

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

Used to view the programmable keys assigned to keyset stations. 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 (01-08)
IOG	In/Out Group (Station Group Number)
MMP	Meet Me Page (0-5)
PAGE	Page (0-5)
SG	Station Group (500-509)
SPD	Speed Dial (00-49, 500-799)
SP	UCD Supervisor (UCD/ACD Group Number)
PGM	Programmed Station Message (01-20)
VT	VM transfer (VM/AA Group 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

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
3. Enter key number (e.g., 18)
OR
Press UP and DOWN to scroll through keys and
use RIGHT soft key to move the cursor
OR
Use above table to select desired extender
System will return to this step
4. Press TRSF to store and exit
OR
Press SPK to store and advance to the next MMC

DISPLAY

```
[201] EXT (MAST)
01: CALL1 →
```

```
[205] EXT (MAST)
01: CALL1 →
```

```
[205] EXT (MAST)
18: DS →
```

```
[205] EXT (MAST)
18: DS →DS207
```



NOTE

.....
If 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.
.....

DEFAULT DATA

None

RELATED ITEMS

- MMC 720
- MMC 721
- MMC 722
- MMC 723

- Copy Key Programming
- Save Station Key Programming
- Station Key Programming
- System Key Programming

This is a read-only MMC. Displays the following attributes of a station port:

0	PORT NO	Slot (BDLI,BSLI,AA) / Port (1-12)
1	TYPE	Type of Phone
2	PICKUP GROUP	None, 01-08
3	SGR	Station Group Number
4	BOSS-SECR	None, BOSS, SECR
5	PAGE	Page Zone (1-4, *)
6	DAY COS NO	COS (01-10)
7	NIGHT COS NO	COS (01-10)

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 (e.g., 2)
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 NO: BASE01
```

```
[205] STN STATUS
PORT NO: BASE05
```

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

DEFAULT DATA

PORT NO	Follows hardware position
TYPE	Follows phone type
PICKUP GRP	01
SGR	None
BOSS-SECR	None
PAGE	None
DAY COS NO	01
NIGHT COS NO	01

RELATED ITEMS

MMC 301

MMC 302

MMC 303

MMC 601

MMC 604

Assign Station COS

Pickup Groups

Assign Boss/Secretary

Assign Station Group

Assign Station to Page Zone

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

- | | | |
|---|---------|---|
| 0 | COUNTRY | Sets overall display format and has two options:
0 = ORIENTALMM/DD DAYHH:MM
1 = WESTERNDAY DD MONHH:MM |
| 1 | CLOCK | Sets format of clock display and has two options:
0 = 12 CLOCKDisplays 1 P.M. as 01:00
1 = 24 CLOCKDisplays 1 P.M. as 13:00 |
| 2 | DISPLAY | Sets format of DAY and MON display and has two options:
0 = UPPER CASEDisplays Friday as FRI and March as MAR
1 = LOWER CASEDisplays 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
Press UP or DOWN to scroll through modes and press
RIGHT soft key to move cursor

4. Press UP or DOWN to select format (e.g. 0) 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] DAY FORMAT
COUNTRY: WESTERN

[205] DAY FORMAT
COUNTRY: WESTERN

[ALL] DAY FORMAT
COUNTRY: WESTERN

[205] DAY FORMAT
COUNTRY: ORIENTAL

DEFAULT DATA

COUNTRY:	WESTERN
CLOCK:	24 CLOCK
DISPLAY:	LOWER CASE

RELATED ITEMS

MMC 505	Assign Date and Time
---------	----------------------

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

00	AUTO HOLD	Automatically places an existing C.O. call on hold if a CALL button, trunk key or trunk route key is pressed during that call.
01	AUTO TIMER	Automatically starts the stopwatch timer during a C.O. call.
02	HEADSET USE	When ON, this feature disables the hookswitch allowing a headset user to answer all calls by pressing the ANS/RLS button.
03	HOT KEYPAD	When ON, this feature allows the user to dial directory numbers without having to first lift the handset or press the SPK button.
04	KEY TONE	Allows the user to hear a slight tone when pressing buttons on keyset.
05	PAGE REJOIN	Allows the user to hear the latter part of page announcements if keyset becomes free during a page.
06	RING PREF	When OFF, requires the user to press the fast flashing button to answer a ringing call after lifting the handset.
07	CALL COST	If enabled (ON), LCD shows real-time call cost based on Metering Pulses arrived.
08	NOT CONT.CID	When OFF, the Caller ID will be continue display after the keyset user answered call.
09	AME BGM	This feature selects whether a station using Answer Machine Emulation will hear their personal greeting or BGM while callers are listening to the personal greeting. A BGM source must be selected for this to work.
10	AME PSWD	When ON, station users who have AME set must enter their station password to listen to messages being left.

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 110

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 for ALL

3. Dial option number from above list (00–10, e.g. 03)

OR

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

4. Dial 1 for ON or 0 for OFF

OR

Press UP or DOWN to select ON or OFF and press LEFT or RIGHT soft key to return to step

5. Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

DISPLAY

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

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

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

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

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

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

DEFAULT DATA

AUTO HOLD OFF

HEADSET USE OFF

KEY TONE ON

RING PREFERENCE

NOT CONT.CID OFF

AME PSWD OFF

AUTO TIMER ON

HOT KEYPAD ON

PAGE REJOIN ON

ONCALL COST OFF

AME BGM OFF

RELATED ITEMS

MMC 301

MMC 701

Assign Station COS

Assign COS Contents

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

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
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 111
Display shows
2. Dial keyset number (e.g., 205)
OR
Press UP or DOWN to select station and press RIGHT soft key to move cursor
OR
Press ANS/RLS to select All
3. Dial 1-8 to select ring tone
OR
Press UP or DOWN to select ring tone and press RIGHT soft key to move cursor
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[201] RING TONE
SELECTION 5

[205] RING TONE
SELECTION 5

[ALL] RING TONE
SELECTION ?

[205] RING TONE
SELECTION 5

DEFAULT DATA

SELECTION 5

RELATED ITEMS

MMC 114

Keyset Volume

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. Two alarms may be set for each station and each alarm may be defined as a one-time or TODAY alarm or as a DAILY alarm. The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time.

- 0 NOTSET
- 1 TODAY
- 2 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
3. Dial 1-2 to select alarm (e.g., 1)
OR
Press UP or DOWN to select alarm and press RIGHT soft key
4. Enter alarm time in 24-hour clock format (e.g., 1300 for 1pm)
5. Dial entry from above list for alarm type (e.g., 2)
OR
Press UP or DOWN to select alarm type and press RIGHT soft key to move cursor and return to step 2
6. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[201] ALM CLK(1)
HHMM: →NOTSET

[205] ALM CLK(1)
HHMM: →NOTSET

[205] ALM CLK(1)
HHMM: →NOTSET

[205] ALM CLK (1)
HHMM: 1300→NOTSET

[205] ALM CLK(1)
HHMM: 1300→DAI LY

DEFAULT DATA

Alarms set to NOTSET

RELATED ITEMS

None

Allows a station user the ability to view a memo left by the user. A memo can be left by entering it via the dial keypad using the table below. MMC 116 (Alarm and Message) can be programmed to remind the user to read the memo. A memo of up to 13 characters can be entered. For example, using the dial keypad, press “6” once to enter the letter “M,” and press “3” twice for an “E.” Pressing the “A” key will change the letters from upper case to lower case.



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

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

ACTION

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

DISPLAY

```
[201]  VI EW MEMO  
1:
```

```
[201]  VI EW MEMO  
1: NEED BREAD
```

DEFAULT DATA

No memos entered

RELATED ITEMS

- “A” button is button #19 on keyset
- “B” button is button #20 on keyset
- “C” button is button #21 on keyset
- “D” button is button #22 on keyset
- “E” button is button #23 on keyset
- “F” button is button #24 on keyset

Allows the system administrator to set the volume for any or all keysets.

- | | |
|----------------|--|
| 0 RING VOLUME | Set a level for keyset ring volume. There are eight volume levels: level 1 is the lowest and level 8 the highest. |
| 1 OFF-RING VOL | Set a level for keyset off-hook ring volume. There are eight volume levels: level 1 is the lowest and level 8 the highest. |
| 2 HANDSET VOL | Set a level for keyset heard volume through handset. There are eight volume levels: level 1 is the lowest and level 8 the highest. |
| 3 SPEAKER VOL | Set a level for keyset heard volume through speaker. There are 16 volume levels: level 1 is the lowest and level 16 the highest. |
| 4 BGM VOLUME | Set a level for keyset background music volume. There are 16 volume levels: level 1 is the lowest and level 16 the highest. |

PROGRAM KEYS

- | | |
|-----------|--|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| 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 keyset number (e.g. 205)
3. Press UP or DOWN to select next volume
3. Press UP or DOWN to select next volume
3. Press UP or DOWN to select next volume
3. Press UP or DOWN to select next volume
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[201] STN VOLUME
RING VOLUME : 4

[205] STN VOLUME
RING VOLUME : 4

[205] STN VOLUME
OFF-RING VOL: 4

[205] STN VOLUME
HANDSET VOL : 4

[205] STN VOLUME
SPEAKER VOL : 13

[205] STN VOLUME
BGM VOLUME : 13

DEFAULT DATA

RING VOLUME 4
OFF-HOOK RING VOLUME 4
HANDSET VOLUME 4
SPEAKER VOLUME 13
BGM VOLUME 13

RELATED ITEMS

MMC 111

Keyset Ring Tone

Allows the system administrator to set a programmed message at any or all keysets. There are 20 messages available: 10 are pre-programmed and 10 can be customised 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 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]  PGMMSG(00)  
CANCEL PGM MSG
```

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

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

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

DEFAULT DATA

No messages selected

RELATED ITEMS

MMC 715	Programmed Station Message
MMC 722	Station Key Programming
MMC 723	System Key Programming

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. Two alarms may be set for each station and each alarm may be defined as a one-time or TODAY alarm or as a DAILY alarm. The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time. It is also possible to set a message to display when the alarm is sounded.

0	NOTSET
1	TODAY
2	DAILY

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

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

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 116
Display shows

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

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

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

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

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

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

DISPLAY

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

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

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

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

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

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

```
[205] ALM REM(2)
Sam SMI TH
```

DEFAULT DATA

Alarms set to NOTSET

RELATED ITEMS

None

Allows the technician to change the order in which the CLIP information is displayed on an LCD set. CLIP display options are as follows:

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

1. Press TRSF 119
Display shows
2. Enter station number (e.g., 204)
OR
Press UP or DOWN to scroll through stations and press RIGHT soft key to select a station
OR
Press ANS/RLS to select ALL
3. Dial display option 0, 1 or 2 (e.g., 2)
OR
Press UP or DOWN to select option and press RIGHT or LEFT soft key to return to step 2
4. Press TRSF to store and exit
OR
Press SPK to save and advance to next MMC

DISPLAY

[201] CLIP DISP.
NUMBER FIRST

[204] CLIP DISP.
NUMBER FIRST

[ALL] CLIP DISP.
?

[204] CLIP DISP.
NAME FIRST

DEFAULT DATA

Number first

RELATED ITEMS

None

Allows keyset users the ability to assign an LCD display based on user's own language.

0	ENGLISH
1	GERMAN
2	PORTUGAL
3	NORSK
4	DANISH
5	DUTCH
6	ITALY
7	SWEDISH
8	SPANISH

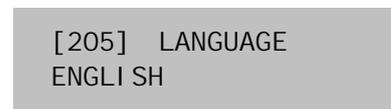
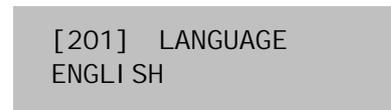
PROGRAM KEYS

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 121
Display shows
2. Dial keyset number (e.g., 205)
OR
Press UP or DOWN to select keyset and press
RIGHT soft key
OR
Press ANS/RLS to select All
3. Dial number for language required
OR
Press UP or DOWN to select language and press
RIGHT soft key.
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY



DEFAULT DATA

ENGLISH

RELATED ITEMS

Multi-Language

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

PROGRAM KEYS

UP & DOWN	Select open or closed
KEYPAD	Used to enter passcode
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. DI SABLE
Incorrect code shows	ENABLE CUS. PROG. PASSWORD ERROR
3. Press UP or DOWN arrow key to select ENABLE or DISABLE and press RIGHT soft key OR Dial 1 for ENABLE or 0 for DISABLE	ENABLE CUS. PROG. ENABLE
4. Press SPK to advance to MMC entry level and press UP or DOWN key to select MMC (e.g, 212) OR Enter MMC number and press RIGHT soft key to enter MMC	212: ALARM RING SELECT PROG. I D
5. Press TRSF key to exit	

DEFAULT DATA

Closed (Disabled)

RELATED ITEMS

MMC 201

MMC 501

MMC 802

Change Customer Passcode

System-Wide Timers

Customer Access MMC Number

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



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

PROGRAM KEYS

KEYPAD
SPK

Used to enter passcodes
Save data and advance to next MMC

ACTION

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

Passcode verified (go to step 4)
OR

Passcode failure
Return to step 2
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

CUST. PASSCODE NEW CODE:
CUST. PASSCODE NEW CODE:
CUST. PASSCODE VERI FY :
CUST. PASSCODE VERI FY : SUCCESS
CUST. PASSCODE VERI FY : FAI LURE

DEFAULT DATA

Passcode = 1234

RELATED ITEMS

MMC 200 Open Customer Programming

Used to change the passcodes for the following features: 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
SPK

Used to enter passcodes
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 dial keypad and 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
DISA ALARM : 5678

CHANGE PASSCODE
DISA ALARM : 9999

DEFAULT DATA

DAY/NIGHT	0000
DISA ALARM	5678
ALARM CLR	8765
AA RECORD	4321

RELATED ITEMS

MMC 214	DISA Alarm Ringing Station
MMC 410	Assign DISA Trunk
MMC 507	Assign Auto Night Time

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

DIRECTORY NUMBER	DEVICE TYPE	DESCRIPTION
201-216	STATION	The UA device is a keyset or SLT.
361	ROP	Ring over page.
500-509	STATION GROUP	The UA device is a station group.



Only one of the above options can be selected. If the ability to ring more than one item (e.g., an external page zone) is required, a station group containing a zone code 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

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

DISPLAY

```
ASSIGN UA PORT
NONE-NO UA
```

```
ASSIGN UA PORT
205 -STATION
```

DEFAULT DATA

None

RELATED ITEMS

MMC 204	Common Bell Control
MMC 219	Common Relay Service Type
MMC 601	Assign Station Group
MMC 605	Assign External Page Zone

204

COMMON BELL CONTROL

Determines whether the common bell relay contacts have an interrupted or continuous closure when activated. If interrupted is chosen, the relay follows an internal C.O. ring pattern of one second closed followed by three seconds open.

If assigned dry contact to Common bell, common bell relay pairs are assigned as 362.

PROGRAM KEYS

UP & DOWN

Used to scroll through options

KEYPAD

Used to enter selections

SOFT KEYS

Used to store data and advance to next MMC

ACTION

DISPLAY

1. Press TRSF 204

Display shows current setting

[362] COM/LD BEL
CONTI NUOUS

2. Dial common bell number (362 only)

OR

Press UP or DOWN key to make selection of common bell numbers and press RIGHT soft key to advance cursor

[362] COM/LD BEL
CONTI NUOUS

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

[362] COM/LD BEL
I NTERRUPTED

4. Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

DEFAULT DATA

Continuous(When Common bell or Loud bell is assigned at MMC 219)

RELATED ITEMS

MMC 203

Assign UA Device

MMC 219

Common Relay Service Type

MMC 601

Assign Station Group

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

- Press TRSF 206
Display shows
- 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
- 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

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

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., 215)
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

[213] VMAA PORT
NORMAL PORT

[215] VMAA PORT
NORMAL PORT

[215] VMAA PORT
VMAA PORT

DEFAULT DATA

Normal port

RELATED ITEMS

MMC 726	VM/AA Options
MMC 601	Assign Station Group

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

- 0 ICM RING
- 1 CO RING
- 2 DATA RING

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
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., 215)
OR
Press UP or DOWN to select station and press RIGHT soft key to move cursor
3. Dial 0, 1, or 2 to select port type (e.g., 2)
OR
Press UP or DOWN to select option and press LEFT or RIGHT soft key to return to step 2
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[213] RING TYPE
ICM RING
```

```
[215] RING TYPE
ICM RING
```

```
[215] RING TYPE
DATA RING
```

DEFAULT DATA

ICM RING

RELATED ITEMS

None

< Only for Reference >

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
Press UP or DOWN to scroll through AOM numbers
and press soft keys to move the cursor
3. Enter station number (e.g., 201)
OR
Press UP or DOWN to select station numbers
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[205] AOM MASTER  
MASTER: NONE
```

```
[205] AOM MASTER  
MASTER: NONE
```

```
[205] AOM MASTER  
MASTER: 201
```

DEFAULT DATA

MASTER = NONE

RELATED ITEMS

None

Allows the system administrator to set in system features. Each system option has a corresponding dialling number, as listed below. All options toggle ON/OFF.

0	DISA PSWD	Determine whether outside customers are required to enter DISA password (Yes= ON, No= OFF).
1	LCR ENABL	EEnables LCR feature in the system.
3	PERI UCD SET	Periodic UCD information provider. Enables UCD statistics data on a per UCD group basis to print out on the I/O port which has been set as SMDR or UCD REPT in real time (every 10 seconds). This allows extended manipulation of the information by an external third-party-provided software package.
4	CID CODE	INSAllows the digit '1' to be automatically inserted for a toll call.
5	DISA MOH	An additional option that can be presented to outside DISA callers: a variable indication provided by an MOH source instead of a fixed DISA dial tone.
6	TRANSFER 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 displays programmed name of SYSTEM SPEED bin (in MMC 706) if it has been programmed; if not, it shows digits programmed in MMC 705 even if this is set to ON.
8	DID BSY ROUT	Busy DID call can be routed to an assigned destination, in MMC 406, before the call is dropped out.
9	DID NOT ROUT	Not used DID call can be routed to an assigned destination, in MMC 406, before the call is dropped out.
12	ALL PICK UP	Independent pick up group, can pick up the all calls.
13	ARD TONE CHK	When system detects CO BUSY TONE from Central Office, return to autoreodial state.
15	VPN ENABLE	Allows to use VPN(Virtual Private Network) feature at linked with network.
16	IN TOLL CHK	Enables toll checking for incoming call.
17	ISDN PROGCON	This option is used to determine the call connection when the network provides 2 nd progress in message to our system instead of connect message.
18	ISDNTRK BUSY	If ON, when the destinations of an incoming ISDN trunk call are all busy, the call is dropped out and outside caller will hear busy tone. This feature is only applied to ISDN Trunks when the destination is an Unconditional Station Group.

- | | | |
|----|-------------|--|
| 19 | ISDN KEYFAC | Allows to use ISDN Keypad facility. |
| 20 | USE EURO | Allows to use EURO currency for 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 210
Display shows

2. Dial option number (e.g. 0)
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. Repeat steps 2-3 for other options
OR
Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
TEN. ON AND OFF
DI SA PSWD : OFF
```

```
TEN. ON AND OFF
DI SA PSWD : OFF
```

```
TEN. ON AND OFF
DI SA PSWD : ON
```

DEFAULT DATA

- | | |
|------------------|------------------|
| DISA PSWD On | LCR ENABLE Off |
| PERI UCD SET Off | CID CODE INS Off |
| DISA MOH Off | TRANSFER MOH Off |
| DSP SSPDNAME Off | DID BSY ROUT Off |
| DID NOT ROUT Off | ALL PICK UP Off |
| ARD TONE CHK On | VPN ENABLE Off |
| IN TOLL CHK Off | ISDN PROGCON Off |
| ISDNTRK BUSY Off | ISDN KEYFAC ON |
| USE EURO Off | |

RELATED ITEMS

None

Designates which devices will ring when a door phone 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	201-212
Station group	500-509

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

1. Press TRSF 211
Display shows first door phone
2. Dial door phone number (e.g., 212)
OR
Press UP or DOWN to scroll through door phone numbers and use the RIGHT soft key to move cursor
OR
Press ANS/RLS to select All door ring
3. Enter new DAY/NIGHT selection via dial keypad
OR
Press UP or DOWN key to make selection and press RIGHT soft key
4. Press RIGHT soft key to return to step 2
OR
Press LEFT soft key to return to step 3
OR
Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[211] DOOR RI NG
D: 500 N: 500
```

```
[211] DOOR RI NG
D: 500 N: 500
```

```
[ALL] DOOR RI NG
D: 500 N: 500
```

```
[212] DOOR RI NG
D: 201 N: 500
```

DEFAULT DATA

Station group 500

RELATED ITEMS

None

Assigns the DISA alarm to ring at a specific phone. It is recommended that the person who can clear the alarm also receives the notification. There can be two distinct stations for notification. Both a day and a night station can be selected. A valid destination can be either a station group (500–509) or an individual station (201–212).

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 214
Display shows
2. Enter in valid day destination number (e.g., 212)
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., 205)
OR
Press UP or DOWN key to make selection
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
DI SA ALARM RI NG
D: 500  N: 500
```

```
DI SA ALARM RI NG
D: 212  N: 500
```

```
DI SA ALARM RI NG
D: 212  N: 205
```

DEFAULT DATA

Day 500
Night 500

RELATED ITEMS

MMC 202	Change Feature Passcodes
MMC 410	Assign DISA Trunk

219

COMMON RELAY SERVICE TYPE

This MMC is used to define the function of the common relay in the base board. The relay can be used for one of the following:

- 0 EXTERNAL PAGE
- 1 COMMON BELL
- 2 LOUD BELL
- 3 NOT USE

ACTION

1. Press TRSF 219
Display shows

2. Use UP or DOWN to scroll through options

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

DISPLAY

[361] RELAY TYPE
NOT USE

[361] RELAY TYPE
COMMON BELL

[361] RELAY TYPE
LOUD BELL

[361] RELAY TYPE
NOT USE

DEFAULT DATA

External Page

RELATED ITEMS

- MMC 203 Assign UA Device
- MMC 204 Common Bell Control
- MMC 205 Assign Loud Bell

Assigns the ISDN service type. Services consist of BC (Bearer Capability) and HLC (High Layer Capability).

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

PROGRAM KEYS

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

ACTION

1. Press TRSF 220
Display shows
2. Dial station number (SLT only e.g., 215)
OR
Press UP or DOWN to select station
and press RIGHT soft key to move cursor
3. Select service type 0 - 3 (e.g., 2)
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

```
[213] I SDN SVC
      VOI CE
```

```
[215] I SDN SVC
      VOI CE
```

```
[215] I SDN SVC
      AUDI O 3. 1
```

DEFAULT DATA

VOICE

RELATED ITEMS

MMC 430

ISDN Number Type & Plan

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

ACCESS DIAL	Determines whether a user can select a trunk or trunk group by dialling its directory number (DN). This selection should be turned OFF when using LCR.
MICROPHONE	Allows all keysets to be used in the speakerphone mode.
OFF-HOOK RING	Allows 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 allows calls to be forwarded to voice mail.
STN CALL PRT	Allows print out station to station call.
FWD DLY USE	Set FWD No Ans. Destination in MMC 102 but do not enable the feature (alternatively use code 603 + stn no., then 600 to cancel the feature), when a call is presented to this station and the Forward no answer timer expires, the call will overflow to the station set as the Forward no answer destination.

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 300
Display shows

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

2. Press UP or DOWN to select feature and press RIGHT soft key to move cursor

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

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

DISPLAY

[201] CUS. ON/OFF
ACCESS DI AL : ON

[205] CUS. ON/OFF
ACCESS DI AL : ON

[ALL] CUS. ON/OFF
ACCESS DI AL : ON

[ALL] CUS. ON/OFF
ACCESS DI AL : ON

[ALL] CUS. ON/OFF
ACCESS DI AL : OFF

DEFAULT DATA: STN CALL PRT

STN CALL PRT: OFF
FWD DLY USE: OFF
Other features set to ON

RELATED ITEMS

LCR programming

Used to assign a day and night class of service to each keyset. There are 10 different classes of service that are be defined in MMC 701, Assign COS Contents. Classes of service are numbered 01–10.

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 301
Display shows

2. Dial station number (e.g., 205)
OR
Press UP and DOWN to scroll through stations and press RIGHT soft key to advance to step 3 to enter Day COS
OR
Press UP and DOWN to scroll through stations and press LEFT soft key to advance to step 4 to enter Night COS
OR
Press ANS/RLS to select all stations

3. Enter day class of service (e.g., 05)
OR
Press UP and DOWN to scroll through classes of service and press RIGHT soft key to advance to step 4 to enter Night COS
OR
Press UP and DOWN to scroll through classes of service and press LEFT soft key to return to step 2 to enter other stations

4. Enter night class of service (e.g., 05)
OR
Press UP and DOWN to scroll through classes of service and press RIGHT soft key to return to step 2 to enter other stations
OR
Press 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

```
[201] STN COS
DAY: 01  NI GHT: 01
```

```
[205] STN COS
DAY: 01  NI GHT: 01
```

```
[ALL] STN COS
DAY: ??  NI GHT: ??
```

```
[205] STN COS
DAY: 05  NI GHT: 01
```

```
[205] STN COS
DAY: 05  NI GHT: 05
```

DEFAULT DATA

```
Day class= 01
Night class= 01
```

RELATED ITEMS

MMC 701 Assign COS Contents

Allows the assignment of stations into call pickup groups. There are eight 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 pickup group number (e.g. 05)
OR
Press UP or DOWN to select group number
3. Press RIGHT soft key to return to step 2 to enter more stations
OR
Press LEFT soft key to return to step 3
OR
Press 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

All stations 01

RELATED ITEMS

MMC 107	Key Extender
MMC 722	Station Key Programming
MMC 723	System Key Programming

303

ASSIGN BOSS/SECRETARY

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 key must be programmed on the SECRETARY keyset(s). A dedicated BOSS key 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	Used to toggle BOSS/SECRETARY field

ACTION

1. Press TRSF 303
Display shows
2. Dial BOSS station number (e.g., 205)
OR
Press UP or DOWN to select station and press RIGHT soft key
3. Dial SECRETARY station number (e.g., 201)
OR
Press UP or DOWN to select station
Press RIGHT soft key to return to step 3 to enter more SECR numbers
4. Press LEFT soft key to return to step 2 and continuous 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 : 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

Allows 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.



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
3. Dial the trunk ID number (e.g., 704)
OR
Press UP or DOWN key to select trunk and press RIGHT soft key
4. Press UP or DOWN key to select YES/NO option
OR
Dial 1 for YES or 0 for NO and press RIGHT soft key to move cursor to ANS option
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 [701] 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 316
MMC 406
MMC 722
MMC 723

Copy Station Usable
Trunk Ring Assignment
Station Key Programming
System Key Programming

Allows the assignment of either account or authorisation 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 AUTHORISE CODE
- 2 ACCOUNT CODE

ACTION

1. Press TRSF 305
Display shows
2. Dial station number (e.g., 205)
OR
Press UP or DOWN key to select station and press RIGHT soft key to move cursor
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 CODE

DEFAULT DATA

None

RELATED ITEMS

MMC 707	Authorisation Code
MMC 708	Account Code

Allows a station to make an intercom call to a station or station group. Alternatively, it seizes a trunk to allow a station the ability to make a predetermined outgoing call, upon the expiration of a timer (see MMC 501, System-Wide Timers, Off-Hook Selection Timer). A maximum of 18 digits may be dialled 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
ANS/RLS	Used to select ALL

ACTION

1. Press TRSF 306
Display shows
Press RIGHT soft key to advance cursor
2. Enter station number via dial keypad (e.g. 202)
OR
Press UP or DOWN to make selection and press
RIGHT soft key to return to step 1
3. Enter trunk ID (e.g. 701) followed by max 18 digits
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[201] HOT LINE
NONE

[201] HOT LINE
202

[201] HOT LINE
701-1305P4264100

DEFAULT DATA

None

RELATED ITEMS

None

Assigns a background music (BGM) source to keysets. There is a music source on the base board (switch select internal/external). The default directory number of a background music source is 371.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used 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., 371)
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: 371

DEFAULT DATA

None

RELATED ITEMS

MMC 309	Assign Station Music On Hold
MMC 408	Assign Trunk Music On Hold Source

309

ASSIGN STATION MUSIC ON HOLD

Allows the system administrator to select which Music On Hold (MOH) source can be heard on each station. There are four possible selections for each music source: TONE, NONE, INTERNAL and EXTERNAL (customer-provided MOH source and switch select internal/external).

There is a music source on the base board (switch select internal/external). The default directory number of a background music source is 371.

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 309
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., 371)
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] STN MOH
MOH SOURCE: NONE
```

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

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

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

DEFAULT DATA

Tone

RELATED ITEMS

MMC 308	Assign Background Music Source
MMC 408	Assign Trunk Music On Hold Source

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 stations
3. Dial 1-8 to select class type (e.g., 3)
OR
Press UP or DOWN to select class type and press RIGHT soft key to return to step 2
4. Press 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

Allows the system administrator or technician to either:

– allow or prevent receipt of CLIP data from the network

OR

– request or restrict sending of CLIP data to the network.

Each station can have the following options:

SEND:	YES	request the network to send Caller ID when outgoing call is made.
	NO	request the network NOT to send Caller ID when outgoing call is made.
RCV:	YES	allow display of CLIP data at LCD 24B and LCD 12B keysets.
	NO	prevent display of CLIP data at LCD 24B and LCD 12B keysets.
INFO:		CLIP data to send to the network. 0. C.O Tel. 1. Ext Number 2. C.O Tel+ Ext Number 3. DID Number

Allows outgoing call restriction, disconnect or confirm with 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
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

FEATURE KEYS

0	NONE
1	CONFIRM TONE
2	DISCONNECT

ACTION

- Press TRSF 314
Display shows
- Dial station number (e.g., 205)
OR
Press UP or DOWN key to select station
and press RIGHT soft key to move cursor
- Dial a feature option 0-2 (e.g., 1)
OR
Press UP or DOWN key to select option
and press RIGHT soft key to return step 2
- Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[201] CO CONFIRM
NONE
```

```
[205] CO CONFIRM
NONE
```

```
[205] CO CONFIRM
CONFIRM TONE
```

DEFAULT DATA

None

RELATED ITEMS

MMC 501

System-Wide Timers

Used when a station moves its phone to another location (different port). All the previous data are moved to the new location automatically.

ACTION

1. Press TRSF 315
Display shows
2. Dial the original station number (e.g., 205)
OR
Press UP or DOWN key to select station
and press RIGHT soft key
3. Dial the new location's station number
(e.g., 210)
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
SET RELOCATION  
EXT_   EXT
```

```
SET RELOCATION  
EXT205 EXT
```

```
SET RELOCATION  
EXT205 EXT210
```

DEFAULT DATA

None

RELATED ITEMS

None

Copy the condition of station/trunk usability and station/station usability from one station to another 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 316
Display shows
2. Enter destination station number (e.g., 205)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter the source station number (e.g., 210)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[201] CPY USABLE
FROM: NONE

[205] CPY USABLE
FROM: NONE

[205] CPY USABLE
FROM: 210

DEFAULT DATA

None

RELATED ITEMS

MMC 304	Assign Station/Trunk Use
MMC 317	Assign Station/Station Use

Used to control whether a station can dial, and/or answer calls for, specific stations.

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 317
Display shows
2. Dial the 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
3. Dial the station number (e.g., 204)
OR
Press UP or DOWN key to select station and press RIGHT soft key
4. Dial 1 for YES or 0 for NO for DIAL
OR
Press UP or DOWN key to select YES/NO and press RIGHT soft key to move cursor
5. Dial 1 for YES or 0 for NO for ANS
OR
Press UP or DOWN key to select YES/NO and 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

DISPLAY

[201] USE [202]
DI AL: YES

[205] USE [201]
DI AL: YES

[205] USE [204]
DI AL: YES

[205] USE [204]
DI AL: NO ANS: YES

[205] USE [204]
DI AL: NO ANS: NO

DEFAULT DATA

DIAL= Yes ANS= Yes

RELATED ITEMS

MMC 314 Copy Station Usable

Sets a distinctive ring for stations. You can set both tone (T) and cadence (C) to one of eight ring values (1–8), or to follow the station ring (F–STN).

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 318
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. Press UP or DOWN to select T value (e.g., 1) and press right soft key to move cursor to C field
4. Press UP or DOWN to select C value(e.g. 2)
5. Press TRSF to store and exit
OR
Press SPK to save and advance to next MMC

DISPLAY

```
[201] DI ST. RI NG
T: F-STN C: F-STN
```

```
[205] DI ST. RI NG
T: F-STN C: F-STN
```

```
[205] DI ST. RI NG
T: 1      C: F-STN
```

```
[205] DI ST. RI NG
T: 1      C: 2
```

DEFAULT DATA

T: F–STN
C: F–STN

RELATED ITEMS

None

Allows the assignment of stations into branch groups. There is a maximum of eight branch groups. When CO ring is ringing at station, any station assigned the same branch group can answer the incoming call by going off hook.

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 319
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 group
and press right soft key to save
4. Press TRSF to store and exit
OR
Press SPK to save and advance to next MMC

DISPLAY

```
[21] BRANCH GRP  
BRANCH GRP : NONE
```

```
[24] BRANCH GRP  
BRANCH GRP : NONE
```

OR

```
[ALL] BRANCH GRP  
BRANCH GRP : 2?
```

```
[24] BRANCH GRP  
BRANCH GRP : 04
```

OR

```
[ALL] BRANCH GRP  
BRANCH GRP : 08
```

DEFAULT DATA

None

RELATED ITEMS

None

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



1A2 Emulation means that a third party can be joined on an existing trunk conversation by pressing the DTS key for the line on their keyset.

OPTIONS

0	1A2 EMULATION	Trunk override call (NO PRIVACY)
1	TRK INC DND	Allows trunk to override DND (DIL)
2	TRK FORWARD	Allows trunk to be forwarded
3	LCR ALLOW	Allows trunk to enable LCR feature

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 400
Display show
- 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 (0-3) (e.g., 2)
OR
Press UP or DOWN key to select option and press
RIGHT soft key to move cursor
- 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

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

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

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

```
[704] TRK ON/OFF
TRK FORWARD : ON
```

```
[704] TRK ON/OFF
TRK FORWARD: OFF
```

DEFAULT DATA

1A2 EMULATE	Off
TRUNK INC DND	Off
TRUNK FORWARD	On
LCR ALLOW	Off

RELATED ITEMS

None

401

C.O./PBX LINE

Used to select the mode of the C.O. line. If the PBX mode is chosen, this allows PBX access codes to be recognised, thus allowing more complete toll restriction (call barring). 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 C.O.
OR
Use UP or DOWN to scroll through options
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] PBX LINE
CO LINE
```

```
[704] PBX LINE
CO LINE
```

```
[ALL] PBX LINE
?
```

```
[704] PBX LINE
PBX LINE
```

DEFAULT DATA

All Trunks C.O. Line

RELATED ITEMS

None

Used to determine the dialling type of each C.O. line. There are two options: pulse (rotary dial) , 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 shows
2. Dial trunk number (e.g., 704)
OR
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor
OR
Press ANS/RLS to select ALL
3. Dial 1 for PULSE , 0 for DTMF
OR
Use UP or DOWN to scroll through options
Press RIGHT soft keys to return to step 2
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[701] DI AL TYPE DTMF TYPE
[704] DI AL TYPE DTMF TYPE
[ALL] DI AL TYPE ?
[704] DI AL TYPE DI AL PULSE TYPE

DEFAULT DATA

All trunks DTMF

RELATED ITEMS

MMC 501	System-Wide Timers
MMC 503	Trunk-Wide Timers

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 either the 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	Follow toll class A (Unrestricted)
2	CLS-B	Follow toll class B
3	CLS-C	Follow toll class C
4	CLS-D	Follow toll class D
5	CLS-E	Follow toll class E
6	CLS-F	Follow toll class F
7	CLS-G	Follow toll class G
8	CLS-H	Follow toll class H (All restricted)

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 403
Display shows

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

3. Enter day toll class (e.g., 2 for CLS-B)
OR
Press UP or DOWN to scroll through toll classes
and press RIGHT soft key to move the cursor

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

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

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
```

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

DEFAULT DATA

All trunks F-STN day/night

RELATED ITEMS

MMC 301
MMC 507
MMC 701
Toll Restriction

Assign Station COS
Assign Auto Night Time
Assign COS Contents

Allows a name (up to 11 characters) to be entered to identify an individual trunk. Names are written using the keypad. Each press of a key selects a character. Press the desired key to move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" four times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the "A" key changes the letter from upper case to lower case.

**NOTE**

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

COUNT	1	2	3	4	5
DIAL0	<	>	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	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., 704)
OR
Press UP or DOWN to select trunk and press
RIGHT soft key to move the cursor
3. Enter trunk name using the procedure
described above
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[701] TRUNK NAME

[704] TRUNK NAME

[704] TRUNK NAME
TELECOMS

DEFAULT DATA

No names entered

RELATED ITEMS

MMC 104	Station Name
MMC 405	Trunk Number
"A" key is button #19	

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

Numbers are written using the keypad. Each press of a key selects a digit. Pressing the desired key moves the cursor to the next position. For example, if the directory number is "426-4100," press the number "4" 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	1	2	3	4	5
DIAL0	0	Q	Z	.	)
DIAL1	1	Space	?	,	!
DIAL2	2	A	B	C	@
DIAL3	3	D	E	F	#
DIAL4	4	G	H	I	\$
DIAL5	5	J	K	L	%
DIAL6	6	M	N	O	^
DIAL7	7	P	Q	R	S
DIAL8	8	T	U	V	
DIAL9	9	W	X	Y	Z
DIAL*		:	=	[]

THIS TABLE NEEDS TO BE CHECKED CAREFULLY

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., 704)
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
4. Press 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

DISPLAY

[701] CO TEL NO.

[704] CO TEL NO.

[704] CO TEL NO.
3054264100

DEFAULT DATA

No numbers entered

RELATED ITEMS

MMC 404

Trunk Name

406

TRUNK RING ASSIGNMENT

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	201–216
Station group	500–509
AA	38x

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 for day (e.g., 205)
OR
Press UP or DOWN key to select station number or station group number and press RIGHT soft key to move cursor
4. Dial station number or station group number for night (e.g., 501)
OR
Press UP or DOWN key to select station number or station group number and press RIGHT soft key to move cursor
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[ 701] TRK RI NG
D: 500  N: 500
```

```
[ 704] TRK RI NG
D: 500  N: 500
```

```
[ 704] TRK RI NG
D: 205  N: 500
```

```
[ 704] TRK RI NG
D: 205  N: 501
```

DEFAULT DATA

All trunks day:500, night:500

RELATED ITEMS

MMC 202

MMC 507

MMC 601

Change Feature Passcode

Assign Auto Night Time

Assign Station Group

407

FORCED TRUNK RELEASE

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

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

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

OPTION TABLE

00	PORT NO (e.g. EXP_01)
01	TYPE: LOOP, BRI, ...
02	1A2 Emulation On/Off
03	TRK Forward On/Off
04	LINE Type: CO/PBX
05	DIALType: DTMF/Dial Pulse
06	DAY Toll Restriction
07	NIGHT Toll Restriction
08	DAY Ring Destination
09	NIGHT Ring Destination
10	MOH Source
11	DISA Status

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 409
Display shows
2. Enter trunk number via dial keypad (e.g., 704)
OR
Press UP or DOWN key to make selection
and press RIGHT soft key to advance cursor
3. Enter in desired option 00–11 (e.g. 01)
OR
Press UP or DOWN key to make selection
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[701] TRK STATUS
PORT NO: EXP-01

[704] TRK STATUS
PORT NO: EXP-04

[704] TRK STATUS
TYPE: LOOP TRUNK

DEFAULT DATA

See above

RELATED ITEMS

MMC 400	Customer On/Off Per Trunk
MMC 401	C.O./PBX Line
MMC 402	Trunk Dial Type
MMC 403	Trunk Toll Class
MMC 404	Trunk Name
MMC 406	Trunk Ring Assignment
MMC 408	Assign Trunk Music On Hold Source
MMC 410	Assign DISA Trunk

Allows the system the ability to have Direct Inward System Access (DISA). Because there is a possibility that unauthorised 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. A central office call requires a passcode, but a station call does not.



NOTE

In order to use DISA the caller must first dial a valid trunk number, followed by a four-digit passcode. This passcode is defined in MMC 101. DISA users MUST change this passcode as the default number cannot be used.

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 both day and night mode DISA is available

ACTION

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 (e.g., 2)
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

DISPLAY

```
[ 701]  DI SA LI NE
NORMAL
```

```
[ 704]  DI SA LI NE
NORMAL
```

```
[ ALL]  DI SA LI NE
?
```

```
[ 704]  DI SA LI NE
NI GHT
```

DEFAULT DATA

All trunks normal

RELATED ITEMS

MMC 500
MMC 101

System-Wide Counters
Change User Passcode

Used on a per-trunk basis to define if a C.O. line is to be either a Metering Pulse (MPD) or a Polarity Reversal Signal (PRS) trunk.

A Meter Pulse Trunk will detect a C.O.-provided meter pulse. A Polarity Reversal trunk will detect the line reversal signal which may be provided by the C.O. when the other party answers the outgoing call or the outside party clears the call. If the trunk is designated as PRS detection, the call duration timer will be started and the results printed on the SMDR record. PRS detection is also essential for dropping a trunk-to-trunk conversation which is unsupervised by an internal party.

There are three types of PRS mode: PRS1, PRS2 and PRS3.

- 0. PRS1: When first PRS is detected, call duration timer is started.
When second PRS is detected, call duration timer is stopped
The call is not released until hanging on.
- 1. PRS2: When first PRS is detected, call duration timer is started.
When second PRS is detected, call duration timer is stopped
and call is released. (ROA type in Australia)
- 2. PRS3: The call duration timer starts base on the timer.
When first PRS is detected, call duration timer is stopped
and call is released. (ROI type in Australia)

ACTION

1. Press TRSF 414
Display shows
2. Enter desired trunk number (e.g., 705)
OR
Press UP or DOWN key to select trunk and
use LEFT or RIGHT soft key to move cursor
3. Dial 0 for PRS1, 1 for PRS2, 2 for PRS3,
3 for MPD or 4 for NONE
OR
Press UP or DOWN key 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] TRK PRS
MPD

[705] TRK PRS
MPD

[705] TRK PRS
PRS1

DEFAULT DATA

None

RELATED ITEMS

MMC 508

Call Cost

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

- 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 to be stored in the station review list.



In order for these abandoned call records to print on SMDR, in MMC 725, SMDR Options, Option 11 – Abandon Call – must be set to YES.

ACTION

1. Press TRSF 415
Display shows
2. Dial trunk number (e.g. 705)
OR
Press UP or DOWN to select trunk and use LEFT or RIGHT soft key to move cursor
3. Dial 1 for YES or 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

DISPLAY

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

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

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

DEFAULT DATA

All trunks will report data

RELATED ITEMS

- MMC 119 Set CLIP Display
- MMC 312 Allow CLIP
- MMC 608 Assign CLIP Review Block
- MMC 725 SMDR Options
- MMC 728 CLIP Translation Table

Enables any changes you make in MMC 419 (BRI Option) or MMC 423 (S/T Mode) and applies them, as appropriate, to BRI card that you restart.

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. Enter first trunk number in ISDN card (e.g., 701)
OR
Press UP or DOWN to select and press RIGHT soft key
3. Enter 1 for Yes or 0 for No
OR
Press UP or DOWN to select and press RIGHT soft key (If you select No, system returns to step 2)
4. You are asked for confirmation:
Enter 1 for Yes or 0 for No
OR
Press UP or DOWN to select and press RIGHT soft key (If you select Yes, the ISDN card is restarted)
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[701] RESTART
CARD RESTART ? NO
```

```
[701] RESTART
CARD RESTART ? NO
```

```
[701] RESTART
CARD RESTART ? NO
```

```
[701] RESTART
ARE YOU SURE ? NO
```

DEFAULT DATA

None

RELATED ITEMS

MMC 419	BRI Option
MMC 423	S/T Mode

This MMC comprises two groups of items. One group is for the "TRUNK" ports as set in MMC 423, and the other is for the "STATION" ports.



NOTE

For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.

Ports programmed as "TRUNK" in MMC 423

Display shows "BRI-TRK". Items are BRI MODE, CHANNEL ANY and DLSEND

BRI MODE

- P-P NOR:** When BRI line is point-to-point configuration and is not a DDI line. Incoming calls are placed as set in MMC 406 (Trunk Ring Assignment).
- P-P DDI:** When BRI line is point-to-point configuration and is a DDI line. Incoming calls are placed as set in MMC 714 (DDI Number & Name Translation). All incoming calls through the DDI trunk will be placed according to the setting of the DDI table.
- P-M NOR:** When BRI line is point-to-multipoint configuration and is not an MSN line. Incoming calls are placed as set in MMC 406 (Trunk Ring Assignment)
- P-M MSN:** When BRI line is point-to-multipoint configuration and is an MSN line. CS-816 system can manage up to eight MSN numbers for each MSN BRI access. Incoming calls through P-MP MSN ports are handled as set in MMC 421 (MSN Digit). This table is effective only for one BRI access

CHANNEL ANY

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

If CHANNEL ANY is NO, user hears busy tone.

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

DLSEND

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



NOTE

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

Ports programmed as "STATION" in MMC 423

Display shows "BRI-STN". Item is CHANNEL ANY.

CHANNEL ANY

See above.

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 419
Display shows
2. Dial BRI trunk number (e.g. 703)
OR
Press UP or DOWN key to select the port
- 3.a For TRUNK ports, display is as shown opposite
(for STATION ports see 3.b)
Use the RIGHT soft key to position the cursor under
CHANNEL ANY

DISPLAY

```
[701] BRI -TRK
CHANNEL ANY : YES
```

- 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 moves under 703
If you press LEFT soft key, cursor moves
under BRI MODE

```
[703] BRI -TRK
CHANNEL ANY : YES
```

```
[703] BRI -TRK
BRI MODE: P-P NOR
```

- 3.a.2 For other items, repeat step 3.a.1

```
[703] BRI -TRK
BRI MODE : MSN
```

- 3.a.3 For another port, repeat from step 2
When finished, go to step 4

- 3.b For STATION ports, display is as shown opposite

```
[705] BRI -STN
CHANNEL ANY : YES
```

- 3.b.1 Press UP or DOWN key to choose item
(CHANNEL ANY)
Press RIGHT soft key to select YES or NO

- 3.b.2 For other items, repeat step 3.b.1

- 3.b.3 For another port, repeat from step 2

4. 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

RELATED ITEMS

MMC 418	Card Restart
MMC 421	MSN Digit
MMC 423	S/T Mode
MMC 714	DDI Number & Name Translation

Provides a method of assigning an incoming MSN call to a specific station. If any entry in MSN DIGIT TABLE matches an incoming call's called party number, either the specific station is alerted, if it is programmed to accept the call, or the call is cleared if it is programmed to reject the call.

If the incoming called party number does not have a matching entry in the MSN table, the operator is alerted.

You can give each MSN number to a specific station and you can select call waiting option: when a destination is busy, the incoming call must be cleared or camped-on to the station (which is alerted to the call).

There is a total of eight entries on a trunk basis and each entry consists of the following fields:

0	DIGITS	Digits to be received. Wild card (★) is a valid entry and there is a maximum of 10 digits.
1	DAY DEST	Destination in day mode – could be a station or a station group. 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 night mode – could be a station or a station group. Repeat (B) will be acceptable to the system if received digit is within numbering plan for a station or station group.
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. Reject: the call is cleared.



NOTE

For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.

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 421
Display shows

2. Enter trunk number (e.g., 704)
OR
Press UP or DOWN key to scroll through ISDN
PORT and press RIGHT soft key to move cursor

3. Enter the location 1–8 (e.g. 4)
OR
Press UP or DOWN to select location and press
RIGHT soft key to move cursor

4. Enter digits to be translated (e.g., 4603881)
via dial keypad and press RIGHT soft key
to move to the destination selection
(Max. digits is 10)

5. Enter day destination via dial keypad (e.g., 204)
OR
Press UP or DOWN key to make selection and
press RIGHT soft key

6. Enter night destination via dial keypad (e.g., 202)
OR
Press UP or DOWN key to make selection and
press RIGHT soft key

7. Enter 1 for Yes or 0 for No
OR
Press UP or DOWN key to make selection and
press RIGHT soft key

8. Enter 1 for ACCEPT or 0 for REJECT
OR
Press UP or DOWN key to make selection and
press RIGHT soft key

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

DISPLAY

```
[701]MSN DGT (1)
DGT:
```

```
[704]MSN DGT (1)
DGT:
```

```
[704]MSN DGT (4)
DGT:
```

```
[704]MSN DGT (4)
DGT: 4603881
```

```
[704]MSN DGT (4)
D: 204 N:
```

```
[704]MSN DGT (4)
D: 204 N: 202
```

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

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

DEFAULT DATA

None

RELATED ITEMS

MMC 419
MMC 714

BRI Option
DDI Number & Name Translation

Used to assign a day and night class of service (COS) to each trunk. There are 10 different classes of service (numbered 01–10) defined in MMC 701 (Assign COS Contents). According to the assigned COS, an outside caller to the system via a DISA line without a passcode may have restricted access to 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
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
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
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: ??
```

```
[705] TRK COS  
DAY: 05 NIGHT: 01
```

```
[705] TRK COS  
DAY: 05 NIGHT: 05
```

DEFAULT DATA

DAY CLASS: 01

NIGHT CLASS: 01

RELATED ITEMS

MMC 301

MMC 410

MMC 701

Assign Station COS

Assign DISA Trunk

Assign COS Contents

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



NOTE

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

For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.

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 423
Display shows
2. Dial BRI trunk number (e.g., 703)
OR
Press UP or DOWN key to select the port
Press the RIGHT soft key to move the cursor
3. Press UP or DOWN key to make selection
(TRUNK or STATION) and press RIGHT soft key
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[701] S/T MODE
TRUNK

[703] S/T MODE
TRUNK

[703] S/T MODE
STATION

DEFAULT DATA

TRUNK

RELATED ITEMS

MMC 418	Card Restart
MMC 419	BRI Option
MMC 424	S0 Mapping

Generates a table by which an ISDN terminal number is mapped onto a BRI STATION port.
For a detailed description and other MMC-related procedures, refer to the section BRI Related MMC Procedure in this manual.



NOTE

For each BRI access, two adjacent ports are assigned. You need only map a number onto one of the two ports. You can map only one port to each number. This means you can't use the same number in more than one BRI access. However, more than one number can be mapped onto 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

- Press TRSF 424
Display shows
- Dial an ISDN terminal number (e.g., 7803)
OR
Press UP or DOWN key to select the number and press RIGHT soft key to move cursor
- Dial an ISDN station number (e.g., 703)
OR
Press UP or DOWN key to select the number and press RIGHT soft key to move cursor
- Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[7801]SO MAPPING
NONE
```

```
[7803]SO MAPPING
NONE
```

```
[7803]SO MAPPING
703
```

DEFAULT DATA

None

RELATED ITEMS

MMC 419	BRI Option
MMC 423	S/T Mode

This MMC procedure allows trunk gain control.

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)

ACTION

1. Press TRSF 426
Display shows
2. Dial trunk number (e.g., 704)
OR
Press UP or DOWN key to select trunk and press RIGHT soft key
3. Press UP or DOWN key to select trunk RX gain and press RIGHT soft key
4. Press UP or DOWN key to select trunk TX gain and press RIGHT soft key
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[ 701] TRUNK GAI N  
RX : +0. 0 TX : +0. 0
```

```
[ 704] TRUNK GAI N  
RX : +0. 0 TX : +0. 0
```

```
[ 704] TRUNK GAI N  
RX : +1. 9 TX : +0. 0
```

```
[ 704] TRUNK GAI N  
RX : +1. 9 TX : +1. 9
```

DEFAULT DATA

RX= 0 dB, TX= 0 dB for all trunks

RELATED ITEMS

None

Used to control whether a incoming trunk can dial calls for specific trunks.

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 428
Display shows
2. Dial the trunk number (e.g., 705)
OR
Press UP or DOWN key to select trunk and
press RIGHT soft key
OR
Press ANS/RLS to select all trunks
3. Dial the trunk number (e.g., 708)
OR
Press UP or DOWN key to select trunk and
press RIGHT soft key
4. Dial 1 for YES or 0 for NO
OR
Press UP or DOWN key to select YES/NO and
press RIGHT soft key to move cursor
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

[701] USE [702]
DI AL: YES

[705] USE [702]
DI AL: YES

[705] USE [708]
DI AL: YES

[705] USE [708]
DI AL: NO

DEFAULT DATA

DIAL: Yes

RELATED ITEMS

None

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

- 0 ALARM REM. CNTER: The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1-99.
- 1. AUTO RDL COUNTER: The number of times the system will redial an outside number after the auto redial feature has been activated. RANGE = 1-15.
- 2. DISA CALL CNTER: Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1-99.
- 3. DISA LOCK CNTER: Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE = 1-99.
- 4. NEW CALL COUNTER: Number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1-99.
- 5. UCD VISUAL ALARM: Used to set the Visual alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0-25.
- 6. UCD AUDIO ALARM: Used to set the Audio alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0-25.
- 7. UCD CS LEVEL 1: Provides call wait indication level 1 if number of calls waiting to be answered in UCD group reaches this value. RANGE = 0-25.
- 8. UCD CS LEVEL 2: Provides call wait indication level 2 if number of calls waiting to be answered in UCD group reaches this value. 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 keypad
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. COUNTER
05→

UCDS VISUAL ALARM
00→

UCDS VISUAL ALARM
00→02

DEFAULT DATA

Alarm Rem. Cnter	5
Auto Rdl Counter	5
DISA Call Cnter	99
DISA Lock Cnter	3
New Call Counter	99
UCD Visual Alarm	0
UCD Audio Alarm	0
UCD CS Level	10
UCD CS Level	20

RELATED ITEMS

MMC 501

System-Wide Timers

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, below

RELATED ITEMS

None

TIMER TABLE

TIMER NAME	DEFAULT	RANGE
AA INT DGT TIME	05 SEC	1-25 SEC
AA NO ACT TIME	10 SEC	1-25 SEC
ALERT TONE TIME	1000 MS	100-2500 MS
ALM REM.INTERVAL	25 SEC	1-255 SEC
ALM REM.RING OFF	10 SEC	1-25 SEC
ATT.RECALL TIME	30 SEC	1-255 SEC
AUTO REDIAL INT.	30 SEC	1-255 SEC
AUTO REDIAL RLS.	45 SEC	1-255 SEC
BARGE IN TONE INT	1300 MS	100-9900 MS
CALLBACK NO ANS	30 SEC	1-255 SEC
CAMP ON RECALL	30 SEC	1-255 SEC
CLIP DISPLAY TIME	5 SEC	1-25 SEC
CLIP MSG RECEIVE	6 SEC	1-25 SEC
CO CLEAR TIME	30 SEC	0-255 SEC
CO CONFIRM TIME	3 MIN	0-255 MIN
CO-CO DISCONNECT	20 MIN	0-255 MIN
CONFER TONE INT	9900 MS	100-9900 MS
CONFIRM TONE TM	1000 MS	100-2500 MS
CRD TONE INT TM	30 SEC	0-255 SEC
DIAL PASS TIME	5 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	3 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
HOOK FLASH MAX TM	180 MS	20-2500 MS
HOK FLASH MIN TM	70 MS	20-2500 MS
HOOK OFF TIME	200 MS	100-2500 MS
HOOK ON TIME	1000 MS	20-2500 MS
INQUIRY RELEASE	30 SEC	1-255 SEC
INTER DIGIT TIME	10 SEC	1-255 SEC
KMMC LOCK OUT TM	30 SEC	10-255 SEC
LCR ADVANCE TIME	5 SEC	1-255 SEC
LCR INTER DIGIT	5 SEC	1-255 SEC
MCL DELAY TIME	4 SEC	1-8 SEC
OFF HOOK RING INT	15 SEC	1-255 SEC
OFF HOOK SELECT.	5 SEC	1-255 SEC
OHVA ANSWER TIME	10 SEC	1-255 SEC
OVERLAP INT DGT	7 SEC	1 - 15 SEC
PAGE TIME OUT	20 SEC	1-255 SEC
PAGE TONE TIME	500 MS	100-2500 MS
PARK RCALL TIME	45 SEC	0-255 SEC
PC-MMC LOCK TIME	5 MIN	1-60 MIN
POWER DOWN TIME	200 MS	100-2500 MS
RECALL DISCONNECT	2 MIN	1-255 MIN

RECALL WAIT TIME	15 SEC	1-255 SEC
SMDR START/DP	30 SEC	1-255 SEC
SMDR START/DTMF	15 SEC	1-255 SEC
SYS HOLD RECALL	45 SEC	0-255 SEC
TRANSFER RECALL	20 SEC	0-255 SEC
UCDS AUDIO ALARM	0 SEC	0-255 SEC
UCDS VISUAL ALARM	0 SEC	0-255 SEC
VMS UCD MSG TIME	5 SEC	1-99 SEC
PERI UCD REPORT	5 SEC	3-99 SEC

TIMER DESCRIPTIONS

- AA INT DGT TIME:** This timer controls the grace period between dialling valid digits before transferring call to INVALID 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 expires and transfers the call to the destination set in MMC 733 NO ACT DEST. This timer is usually called as first digit timer after entering AA mode.
- AA TRANS TIME:** After this time, compare input digit with AA translation table (MMC 732) and transfer to destination
- 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 also precedes 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.
alarm reminder ring (1st) ←interval→ alarm reminder ring (2nd)
- ALM REM RING OFF:** This timer controls the length of the ring cycle 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.
E-hold ←e-hold recl time→ recall to ← att recall→ recall to←recall→ disconnect
U-hold sys hold recall originator time operator
disc. time
transfer transfer recall
- AUTO REDIAL INT:** This timer controls the time between attempts after RETRY dialling is set on a station.
press RETRY ←auto redial→ 1st auto ←auto redial→ 2nd auto
when busy/rback interval redial interval
redial

AUTO REDIAL RLS:	This timer controls the duration of a Ring No Answer condition on a retry number dialled before the auto redial is automatically cancelled.
BARGE-IN TONE INT:	This timer controls the intervals between the tones sent to the person who is being barged in on.
CALLBACK NO ANS:	This timer controls the time before the callback is automatically cancelled 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. While on a trunk conversation, users are allowed to review received CLIP by pressing SCROLL → CLIP softkey, but LCD will automatically go back to trunk conversation status on expiration of this timer.
CLIP MSG RECEIVE:	The amount of time that the system will allow a valid message from the C.O.
C.O. CLEAR TIME:	The length of time a DTS key remains busy after clear-down.
CO CONFIRM TIME:	After this time, the outgoing call is disconnected or you can hear the confirm tone.
C.O. -C.O. DISCONNECT:	This timer monitors the duration of an unsupervised conference; when it expires, both trunks are disconnected.
CONFIRM TONE TIME:	The tone heard when a feature is activated or deactivated.
CONFER TONE INT:	This timer controls the timing of intervals between the tones heard by the parties in a conference.
CRD TONE INT TM:	This timer controls the timing of intervals between the tone which indicates the call is recorded by Voice Mail System.
DIAL PASS TIME:	This timer is the wait time for preventing the misdialling of an outgoing call. After the last digit has been dialled, 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 is 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 cancelling.
E-HOLD RECALL TM:	This timer controls the duration of time a call is held exclusively at a station before recalling. See ATT Recall Time.
EXT. FWD DELAY TM:	This timer controls the External Call Forward feature which allows 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 dialling 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 recognise 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 dialling valid digits before dropping the call and returning the user to error tone.
KMMC DIGIT TIME:	This timer controls the grace period between programming actions while in a programming session (KMMC not PCMMC). 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 dialling valid digits before dropping the call and returning the user 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. receive CAMP-ON ←off hook ring→ off hook ring interval ←off hook ring→ when busy
OFF HOOK SELECT:	This timer controls the grace period before placing a internal/external call as programmed in MMC 306. lift Handset ←off hook select time→ starts placing a call as specified in MMC 307
OHVA ANSWER TIME:	This timer controls the time duration of an OHVA call before automatic rejection. When a user receives OHVA with voice interrupt this situation will last until this timer expires. If LCD phones receive OHVA, REJECT will appear at righthand side of bottom line while this timer is activated.
OVERLAP INT DGT:	This timer controls the grace period between receiving address information in overlap receiving mode via BRI/PRI line. After expiration of this timer the system operator 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 PCMMC activity, drops the link if no action is created by PCMMC and returns the system to secure program status.
POWER DOWN TIME:	This timer monitors the power down to the SLT line for VM/AA.
RECALL DISCONNECT:	This is the time an attendant recall rings before being disconnected. See <i>ATT Recall Time</i> .
RECALL WAIT TIME:	This is the time any recall (hold or transfer) continues to recall at your station before it recalls to the operator. 1) If Originator is idle: e-hold ←e-hold recall time→ recall to ←att recall→ recall to←recall→ disconnect transfer transfer recall time originator time operator disc.time 2) If Originator is occupied: e-hold ←e-hold recall time→ recall to originator ←recall → recall to←recall→ disconnect transfer trsf recall time with off hook ring wait time operator disc.time
SMDR START/DIAL PULSE (ROTARY):	This grace period timer starts SMDR recording for rotary dialling. 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 dialling. 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 the holding station. This is a system-wide timer. Setting timer to 000 means no recalling will take place.
TRANSFER RECALL:	This timer determines the time transferred calls ring before recalling. This is a system-wide timer. See Recall Wait Time.
UCDS AUDIO ALARM:	This timer determines how long the longest waiting call can be held before the system gives an audio alarm to the UCD supervisor.
UCDS VISUAL ALARM:	This timer determines how long the longest waiting call can be held before the system gives a visual alarm to the UCD supervisor.
VMS UCD MSG TIME:	This timer controls the duration of time that VMS gives UCD busy ment to user.
PERI UCD REPORT:	This is periodic time for printing out UCD data.

Allows certain station timer values to be changed on a per-station basis or for all stations. It is not advisable to change these values without assistance from Technical Support.

OPTIONS

- | | |
|--------------|---|
| 1 NO ANS FWD | This timer controls how long the station will ring before Forward on no answer takes place. (Range: 001– 255 sec.) |
| 2 DTMF DUR | DTMF DUR. This timer governs the duration of DTMF digit which is transmitted to an external VM system port. It is useful when customising voice mail system. (Range: 100– 9900 msec.) |
| 3 F-DGT DELY | This timer is valuable for the system administrator to insert a suitable delay for generating DTMF digits, for commencing in-band integration. (Range: 100– 9900 msec.) |



NOTE

It is reasonable for the system administrator to use trial and error to find a suitable value for 2 and 3 above according to the characteristics of the selected VM 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 keypad (e.g., 020)
System will return to step 2
4. Dial timer number from above list (e.g. 2)
OR
Press UP or DOWN key to select and press RIGHT soft key to move cursor
5. Enter new timer value (must be four digits, e.g. 0200)
System returns back to step 2
6. Press 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  
010 SEC →_
```

```
[205] NO ANS FWD  
010 SEC →020
```

```
[205] DTMF DUR.  
0100 MS →_
```

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

DEFAULT DATA

NO ANS FWD	015 SEC
DTMF DUR.	100 MSEC
F-DGT DELY	600 MSEC

RELATED ITEMS

MMC 102	Call Forward
MMC 207	Assign VM/AA Port
MMC 726	VM/AA Options

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.

DIAL	TIMER	RANGE
0	ANS.BAK TM	100-2500 MSEC
1	CLEARING	01-25 SEC
2	CO SUPV TM	100-2500 MSEC
3	DTMF DUR.	100-2500 MSEC
4	F-DGT DELY	100-2500 MSEC
5	FLASH TIME	100-2500 MSEC
6	NO RING TM	001-255 SEC
7	PAUSE TIME	001-255 SEC
8	PRS DET TM	000-2500 MSEC
9	RNG DET.TM	100-2500 MSEC
10	WINK TIME	100-300 MSEC
11	MF/DP INT	100-9900 MSEC
12	MFR DLY TM	00-25 SEC

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 503
Display shows
2. Dial trunk number (e.g., 704)
OR
Press UP or DOWN key to select trunk and press RIGHT soft key to move cursor
OR
Press ANS/RLS to select all trunks and press RIGHT soft key to move cursor
3. Dial timer number from above list
OR
Press UP or DOWN key to select timer and press RIGHT soft key to move cursor
4. Enter new timer value (must be four digits, e.g., 0700)
System returns to step 2
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[701] ANS. BAK TM  
0600 MS →
```

```
[704] ANS. BAK TM  
0600 MS →
```

```
[ALL] ANS. BAK TM  
0600 MS →
```

```
[704] DTMF DUR.  
0600 MS →_
```

```
[704] DTMF DUR.  
0600 MS →0700
```

DEFAULT DATA

ANS.BAK TM	600 MSEC
CLEARING	2000 SEC
CO SUPV TM	400 MSEC
DTMF DUR	100 MSEC
F-DGT DLY	600 MSEC
FLASH TIME	90 MSEC
NO RING TM	004 SEC
PAUSE TIME	003 SEC
PRS DET TM	0 MSEC
RNG DET.TM	300 MSEC
WINK TIME	200 MSEC
MF/DP INT	800 MSEC
MFR DLY TM	00 SEC

RELATED ITEMS

None

Allows the system date and time to be set. This sets 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
SPK

Used to enter selections
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
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: 6030197: 1147
NEW: WMMDDYY: HHMM

OLD: 6030197: 1147
NEW: 4041097: 1445

OLD: 4041097: 1445
NEW: WMMDDYY: HHMM

DEFAULT DATA

Follows software version release date

RELATED ITEMS

None

Provides the ability to customise the tone cadence on a system-wide basis. There are 14 tone cadences available. The tone control of the cadence may be changed from interrupt tone to continuous tone. Some DCS-816 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

Busy tone

CONFM/BARGE

Confirm tone and Barge-in tone

DIAL TONE

Dial tone

DND/NO MORE

DND tone and No More Call button tone

ERROR TONE

Error tone

HOLD/CAMPON

Hold tone and Camp-on tone

MSGWAT TONE

Message wait tone

RGBACK TONE

Ringback tone

RING TONE

Ring over page tone (to external page port)

TRSFER TONE

Transfer dial tone

DDI RINGBACK

DDI ringback tone

CO BUSY

CO Busy tone

CO RINGBACK

CO ringback tone

CO DIAL

CO Dial tone

ACTION

1. Press TRSF 506
Display shows

2. Press UP or DOWN key to select tone and press RIGHT soft key

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 to advance cursor
Press LEFT soft key to retreat cursor
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
INTERRUPT TONE

TRSFER TONE
INTERRUPT TONE

TRSFER TONE: 0100
0100 0100 0100

TRSFER TONE: 0100
0100 0100 0100

DEFAULT DATA

TONE	ON	OFF	ON	OFF
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	100	100	100	100
HOLD/CAMP-ON TONE	500	3500	500	3500
MESSAGE WAIT TONE		CONTINUOUS		
RING BACK TONE	400	200	400	2000
RING TONE	1000	3000	1000	3000
TRANSFER TONE	100	100	100	100
DID RINGBACK	1000	3000	1000	3000
CO BUSY	350	350	350	350
CO RINGBACK	400	200	400	2000
CO DIAL	1000	250	1000	250



All times are in milliseconds.

NOTE

RELATED ITEMS

None

507

ASSIGN AUTO NIGHT TIME

Enters the system into night mode automatically by utilising 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 switches from day to night service; the end time is the next day (e.g., start 1730 WED, end 0800 THUR). 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
3. Dial in start time for night (e.g., 1730)
If time entered is valid, cursor moves to end time
Enter end time (e.g., 0800)
If time entered is valid, system returns to step 2
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

NIGHT TIME (SUN)
ST: END:

NIGHT TIME (WED)
ST: END:

NIGHT TIME (WED)
ST: 1730 END: 0800

DEFAULT DATA

None

RELATED ITEMS

MMC 722	Station Key Programming
MMC 723	System Key Programming

Allows the system administrator to set the Call Cost attributes generated by the system during a call. This information can be displayed on the keyset LCD during a call or as an SMDR record.

Attributes are as follows:

- | | |
|--------------------|--|
| 0 UNIT COST PER MP | When the system is installed to receive MP on a C.O. outgoing call. It is used for generating total call cost by multiplying it by the number of pulses. Allows a maximum value of 5000. |
| 1 CALL COST RATE | This generates additional call cost calculated by multiplying this rate by the original call cost. Ranges from 100 through 255. |

WARNING

Changing this value when there is a call in progress may result in an inaccurate call cost. This MPD facility requires the Meter Pulse Detection version of the trunk card. It is not available on the standard product.

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
2. Dial 0 or 1 (e.g., 1)
OR
Press UP or DOWN key for selection and press RIGHT soft key to move cursor
3. Enter new value (e.g., 110 for 110 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 0200 PENCE→
CALL COST RATE 100% →_
CALL COST RATE 110% →

DEFAULT DATA

UNIT COST PER MP	200 pence
CALL COST RATE	100 percent

RELATED ITEMS

MMC 110	Station On/Off
MMC 414	MPD/PRS Signal

Used to set ring cadence for SLI ports.
Options are:

1. Station ring
2. Trunk ring
3. Door ring
4. Alarm ring
5. Callback ring

PROGRAM KEYS

UP & DOWN
KEYPAD
SOFT KEYS
SPK

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

ACTION

1. Press TRSF 510
Display shows
2. Press UP or DOWN key to select option
from above table (e.g., 2)
3. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
1: STN RING : 1000  
3000 1000 3000
```

```
2: TRK RING : 0400  
0200 0400 3000
```

DEFAULT DATA

```
1= 1000 3000 1000 3000  
2= 0400 0200 0400 3000  
3= 0400 0100 0400 2000  
4= 0200 0200 0200 2000  
5= 0200 0200 0200 4000
```

RELATED ITEMS

None

512

ASSIGN HOLIDAY

Assigns holiday dates to a station for the current year. Station will remain in Night Service for those periods assigned. Up to 60 dates may be entered.

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 512
Display shows
2. Press UP or DOWN key to select option 01-60
3. Using keypad, enter date in format MMDD. For example, 25th December would be 1225
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

ASSIGN HOLIDAY
01:

ASSIGN HOLIDAY
01:

ASSIGN HOLIDAY
01: 1225

DEFAULT DATA

None

RELATED ITEMS

None

Used to assign operator group for day and night.

PROGRAM KEYS

UP & DOWN
KEYPAD
SOFT KEYS
SPK
HOLD

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

ACTION

1. Press TRSF 600
Display shows
2. Dial the day operator group (e.g., 501)
3. Dial the night operator group
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
OPERATOR GROUP  
D : 500 N : 500
```

```
OPERATOR GROUP  
D : 501 N : 500
```

```
OPERATOR GROUP  
D : 501 N : 500
```

DEFAULT DATA

DAY : 500
NIGHT : 500

RELATED ITEMS

MMC 211	Door Ring Assignment
MMC 406	Trunk Ring Assignment
MMC 601	Assign Station Group
MMC 602	Station Group Name

The station groups that are available in this MMC provide more flexibility in the usage of Uniform Call Distribution (UCD/ACD), AA GROUP, VM/AA applications and SVM GROUP. 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 16 members per group.



NOTE

A device for announcement, if used, must provide a hookflash and return the call to the group. If a station is in more than one group and attempts to use the IG key, it will be removed from all groups.

GROUP TYPE

0.	NORMAL GROUP	Can only have distribute or sequential ringing.
1.	VMAA GROUP	Has wrap-up capability
2.	UCD GROUP	Can only have distribute or sequential ringing.
3.	AA GROUP	Voice mail group for the SVM-400. Can only
4.	SVM GROUP	has distribute or sequential ringing.

FEATURE KEY

0.	TYPE	Group type (Normal, VM/AA, UCD, AA)
1.	RING	Ring mode
2.	OVERFLOW	Overflow time
3.	GRP TRSF	Group transfer time
4.	NEXT PORT	Overflow port
5.	MEMBER	Group member (e.g., station 202)

RING MODE

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.

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 601
Display shows

2. Dial group number (e.g., 505)
OR
Press UP or DOWN key to select group and press LEFT soft key to move cursor to type of group
Dial group type (0-4, e.g., 1)
OR
Press UP or DOWN key to make selection and press LEFT soft key to move cursor to TYPE

3. Dial feature option number (0-5, e.g., 0)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to ring value

4. Dial ring option (0-2, e.g., 1)
OR
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

5. Dial next feature option and continue
OR
Press UP or DOWN key to select option
OR
Press LEFT soft key to return to step 2

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

DISPLAY

```
[500] STN GROUP  
TYPE: NORMAL GRP
```

```
[505] STN GROUP  
TYPE: NORMAL GRP
```

```
[505] STN GROUP  
TYPE: VMAA
```

```
[505] STN GROUP  
RING: SEQUENTIAL
```

```
[505] STN GROUP  
RING: DISTRIBUT
```

DEFAULT DATA

Group Type	Normal Group
Ring Mode	Sequential
Overflow Time	000 Sec
Grp Trsf Time	000 Sec
Next Port	None

Group Member 500

First station
The others: None

RELATED ITEMS

MMC 203	Assign UA Device
MMC 204	Common Bell Control
MMC 211	Door Ring Assignment
MMC 406	Trunk Ringing Assignment
MMC 601	Assign Station Group
MMC 602	Station Group Nam

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

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



NOTE

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

COUNT	1	2	3	4	5	6
DIAL0	<	>	.	)	0	
DIAL1	Space	?	,	!	1	
DIAL2	A	B	C	@	2	
DIAL3	D	E	F	#	3	
DIAL4	G	H	I	\$	4	
DIAL5	J	K	L	%	5	
DIAL6	M	N	O	^	6	
DIAL7	P	Q	R	S	7	
DIAL8	T	U	V		8	
DIAL9	W	X	Y	Z	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

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
3. Enter name using above method and table
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

DISPLAY

[501] SGR NAME

[505] SGR NAME

[505] SGR NAME
TELECOMS

DEFAULT DATA

None

RELATED ITEMS

MMC 104	Station Name
MMC 404	Trunk Name
MMC 600	Assign Operator Group
MMC 601	Assign Station Group

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 dialling plans. There are two different modes of operation: (1) sequential and (2) distribute.



WARNING

One trunk can appear in more than one trunk group. If necessary, delete the trunk member from other groups to prevent accidental access.

PROGRAM KEYS

UP & DOWN

Used to scroll through options

KEYPAD

Used to enter selections

SOFT KEYS

Move cursor left and right

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, 80–82)
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 (01–10, e.g., 05) via dial keypad
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
5. Enter valid trunk number (e.g., 705)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
6. Repeat steps 1–5 to remove trunk from group 0 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: 705
```

DEFAULT DATA

All analogue trunks are in trunk group 9
All digital trunks are in trunk group 80

RELATED ITEMS

LCR programming

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 12. 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 (01-12, e.g., 05)
via dial keypad
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 keypad
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 (e.g. zone 2)
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 : 1 2 3 4  
01 : NONE: 00001
```

```
ENTRY: STN : 1 2 3 4  
05 : NONE: 00001
```

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

```
ENTRY: STN : 123405 :  
205 : 01001
```

DEFAULT DATA

No stations assigned
All zone is set

RELATED ITEMS

None

605

ASSIGN EXTERNAL PAGE ZONE

Determines which relays will close when external page zone is accessed.
DCS-816 has one external page zone (5).



NOTE

One external page port and one common relay are located on the the base board. The page relay has default DNs of 361. Optional port is 362(MMC 219)

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 605
Display shows first page zone
2. Dial page zone number (e.g., 5)
OR
Use UP or DOWN to select desired page zone numbers and press RIGHT soft key to move the cursor
3. Dial member number (e.g., 1)
OR
Use UP or DOWN to select member numbers and press RIGHT soft key to move the cursor
OR
Press LEFT soft key to return to step 2
4. Dial relay number via dial keypad (e.g., 361) 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

DISPLAY

EXT. PAGE ZONE: (5)
MEMBER 1: 361

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

EXT. PAGE ZONE: (5)
MEMBER 1:

EXT. PAGE ZONE: (5)
MEMBER 1: 361

DEFAULT DATA

None

RELATED ITEMS

MMC 723

System Key Programming

Provides a means of adding or deleting speed dial blocks to the system or an individual keyset. With the ability to delete a block or blocks of speed dial, it will not be necessary to waste these on such items as voice mail, DPIMs or stations that do not require the ability to use speed dial.

The Free List shows how many bins are left to be assigned. One block has ten (10) entries. DCS-816 has a maximum of 500 entries in a system: 300 for System Speed while the rest can be allocated as personal numbers with a maximum of 50 per-station. For example, if the System Speed block has been assigned as 100 entries then 100 entries can be shared between the 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

1. Press TRSF 606
 Display shows

2. Press RIGHT soft key to advance cursor to next line

3. Make a selection of SYSTEM or EXT using UP or DOWN key and press RIGHT soft key to advance cursor

4. Enter desired EXT number via dial keypad (e.g., 205)
 OR
 Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor

5. Enter 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)

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

DISPLAY

FREE LI ST: 30
 SYSTEM: 20

FREE LI ST: 30_
 SYSTEM: 20

FREE LI ST: 30
 EXT201: 1

FREE LI ST: 30
 EXT205: 1

BUSY LI ST: 30
 EXT205: 5

DEFAULT DATA

System: 200 entries (20 blocks)
Stations: One bin of 10 entries (1 block)

RELATED ITEMS

MMC 705

MMC 706

Assign System Speed Dial

System Speed Dial By Name

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



Can be made UCD group no. 507 ~ 509.

OPTION

- DIAL 0 FIRST MSG on AA card when all agents are unable to answer calls.
- DIAL 1 SECOND MSG on AA card when all agents are unable to answer calls.
- DIAL 2 EXIT CODE – routes the queued call to the Final Destination assigned in this MMC.
- DIAL 3 RETRY COUNT – SECOND MSG will be cycled with MOH till this counter is reached.
- DIAL 4 FINAL DESTINATION – if the call is not answered by the time RETRY COUNT is reached, it will be routed over this destination. If you press the 19th programmable button on a 24B keyset you can enter an AA Plan number.
- DIAL 5 RING NEXT TIME – specifies how long ringing at an agent will last. After this time, ringing stops, the agent is logged-out from the group and ringing starts at the next idle agent.
- DIAL 6 UCD RECALL TIME – determines length of MOH between MSGs. This is disabled if set to zero.
- DIAL 7 MOH SOURCE – specifies MOH source to be presented to the caller.
- DIAL 8 WRAP-UP TIME – no calls are presented during this time.
- DIAL 9 AUTO LOGOUT – when no answer, logout automatically and transfer next member.

RANGE

- FIRST MSG: 01 – 64
- SECOND MSG: 01 – 64
- EXIT CODE: NONE, 0-9, *, #
- RETRY COUNT: 00 – 99
- FINAL DEST: NONE, STATION, STATION GRP, AA PLAN NO(01-12)
- RING NEXT TIME: 00 – 99 sec
- UCD RECALL TIME: 00 – 99 sec
- MOH SOURCE: TONE, NONE, 371.
- WRAP-UP TIME: 000 – 250 sec
- AUTO LOGOUT: YES/NO

ACTION

1. Press TRSF 607
Display shows

2. Dial UCD group number
OR
Press UP or DOWN key
Press RIGHT soft key

3. Dial UCD OPTION number (e.g. 1 for 2nd MSG)
OR
Press UP or DOWN key
Press RIGHT soft key

4. Dial MSG number
OR
Press UP or DOWN key
Press RIGHT soft key

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

DISPLAY

[507] UCD GROUP
FIRST MSG : NONE

[507] UCD GROUP
FIRST MSG : NONE

[507] UCD GROUP
SECOND MSG : NONE

[507] UCD GROUP
SECOND MSG : 01

DEFAULT DATA

FIRST MSG:	61
SECOND MSG:	62
EXIT CODE:	None
RETRY COUNT:	03
FINAL DESTINATION:	500
RING NEXT TIME:	30 sec
UCD RECALL TIME:	10 sec
MOH SOURCE:	None
WRAP-UP TIME:	10 sec
AUTO LOGOUT:	No

RELATED ITEMS

MMC 601

Assign Station Group

Provides a means of adding or deleting CLIP review blocks to an individual keyset. With the ability to delete a block or blocks of speed dial, it will not be necessary to waste these on such items as voice mail, DPIMs or keysets that do not have displays. The Free List shows how many bins are left to be assigned. The system automatically assigns 10 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

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 select
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] REVI EWBLK  
10 : 0180 FREE
```

```
[205] REVIEW BLK  
10 : 200 FREE
```

```
[205] REVIEW BLK  
50 : 0140 FREE
```

DEFAULT DATA

One bin of ten (10) entries

RELATED ITEMS

None

700

COPY COS CONTENTS

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

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

DISPLAY

```
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

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., 012—see option list below)
OR
Press UP or DOWN key to select option and press RIGHT soft key to move cursor

5. Dial 0 for NO or 1 for YES
OR
Press UP or DOWN key to select option
Press LEFT soft key to return to step 4
Press RIGHT soft key to return to step 2

6. Press F key to enter MMC 700 if copy of COS to another COS is required
(Refer to MMC 700 for copying)

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

DISPLAY

COS CONTENTS(01)
TOLL LEVEL: A

COS CONTENTS(06)
TOLL LEVEL: A

COS CONTENTS(06)
TOLL LEVEL: c

COS CONTENTS(06)
012: DND : YES

COS CONTENTS(06)
012: DND : NO

COPY COS ITEMS
COS 05→COS 06

COS FEATURE LIST BY OPTION NUMBER

000	AA CALER	Auto answer control by caller
001	ALM CLR	Alarm sensor ring answer
002	AUTO RDL	Retry on busy
003	CALLBACK	Callback
004	CLIP ABN	CID abandoned
005	CLIP INQ	CID inquiry for review
006	CLIP INV	CID Invalid
007	CONFER.	Conference
008	DALM CLR	DISA alarm ring clear
009	DAY/NIG.	Change day/night mode
010	DIRECT.	Directory dial
012	DND	Do Not Disturb
013	DNDOVRD	DND override
014	DOOR	Door ring answer
015	DSS	Direct station select
016	DTS	Direct trunk select
019	EXT FWD	External call forward
020	FEATURE	FEATURE
021	FLASH	Trunk flash
022	FOLLOW-ME	Follow Me call forward
023	FORWARD	Call forward
025	GRP I/O	Group in/out
026	HOLD	Hold
027	HOT LINE	Hot line
028	INTERCOM	Intercom call
030	MESSAGE	Message
031	MM PAGE	Meet me page
032	NEW CALL	New call
033	OHVAED	OHVAed
034	OHVAING	OHVAing
035	ONEA2	1A2 emulation
036	OPERATOR	Operator
037	OUT TRSF	Outgoing transfer
038	OVERRIDE	Override
039	PAGE 0	Page zone 0 PAGING
040	PAGE 1	Page zone 1 PAGING
041	PAGE 2	Page zone 2 PAGING
042	PAGE 3	Page zone 3 PAGING
039	PAGE 4	Page zone 4 PAGING
044	PAGE 5	Page zone 5 PAGING
045	PAGE 6	Page zone 6 PAGING
046	PAGE 7	Page zone 7 PAGING
047	PAGE 8	Page zone 8 PAGING
048	PAGE 9	Page zone 9 PAGING
049	PAGE *	Page zone *PAGING
050	PICKUP	Call pickup
051	SECURE	Override secure
052	SSPD TOL	System speed dial toll check
053	STN LOCK	Station locking
054	STNGRP 01	Station group 01 calling
055	STNGRP 02	Station group 02 calling
056	STNGRP 03	Station group 03 calling
057	STNGRP 04	Station group 04 calling
058	STNGRP 05	Station group 05 calling
059	STNGRP 06	Station group 06 calling

060	STNGRP 07	Station group 07 calling
061	STNGRP 08	Station group 08 calling
062	STNGRP 09	Station group 09 calling
063	STNGRP 10	Station group 10 calling
085	SYS SPD	System speed dial
087	TRKGRP01	Trunk group 01 calling
088	TRKGRP02	Trunk group 02 calling
089	TRKGRP03	Trunk group 03 calling
090	TRKGRP04	Trunk group 04 calling
098	UNCO CNF	CO to CO Conference
099	VM AREC	Auto Record (SVM-400)
100	VM AME	Answer Machine Emulation(SVM-400)
101	VM REC	Call Record (SVM-400)
102	VM STN01	SVM-400 port 1 calling
103	VM STN02	SVM-400 port 2 calling
104	VM STN03	SVM-400 port 3 calling
105	VM STN04	SVM-400 port 4 calling
112	ABSENCE	Absence

DEFAULT DATA

 OVERRIDE = NO
 Else = YES

RELATED ITEMS

MMC 700
MMC 702
MMC 703

Copy COS Contents
Toll Deny Table
Toll Allowance Table
Toll Restriction

Provides a way to make toll restriction (call barring) very easy and flexible. There are 200 entries allowed in the deny table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as in-house only by default.

PROGRAM KEYS

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

1. Press TRSF 702
Display shows

2. Dial index number 001–200 (e.g., 005)
OR
Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter toll pattern via dial pad (e.g., 212)
OR
Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options

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

DISPLAY

DENY(001) : BCDEFG
: 000000

DENY(005) : BCDEFG
: 0 0 0 0 0 0

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
MMC 701
MMC 703
MMC 704

Assign Station COS
Assign COS Contents
Toll Allowance Table
Assign Wild Character

Provides a way to make toll restriction very easy and flexible. There are 200 allowable entries in the allow table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default, and toll level H is set as in-house only by default.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
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 001-200 (e.g., 005)
OR
Press UP or DOWN key to select index and press
RIGHT soft key to move cursor and enter toll pattern
via dial pad (e.g., 212)

```
ALOW(005) : BCDEFG
: 000000
```

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

```
ALOW(005) : BCDEFG
212      : 000100
```

```
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

MMC 701

MMC 702

MMC 704

Assign Station COS

Assign COS Contents

Toll Deny Table

Assign Wild Character

Provides flexibility to toll restriction (call barring) when a specific numbering plan is so desired. There are only three entry tables but more than one digit can be assigned per table if needed.

PROGRAM KEYS

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

ACTION

1. Press TRSF 704
Display shows
2. Press UP or DOWN key to select X, Y, or Z (e.g., Z) and press RIGHT soft key to advance cursor to option line
3. Press UP or DOWN key to move cursor to option digit desired (e.g., 5) and enter '1' (put '1' under other digits as required)
Press LEFT soft key to return to step 2
OR
Press RIGHT soft key to return to step 1
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
: 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

Enables the assignment of system speed dialling numbers. There are 500 entries available for programming (see MMC 606). Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 24 digits to be dialled. These dialled digits may consist of 0–9, * and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

PROGRAM KEYS

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

1. Press TRSF 705
Display shows
2. Dial speed index desired (e.g., 505)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter access code (e.g., 9/701) plus the phone number up to 24 digits (digits will scroll under) and press RIGHT soft key to return to step 2
4. Press F key to toggle to MMC 706 step 3 to enter name
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

SYS SPEED DIAL
500:

SYS SPEED DIAL
505:

SYS SPEED DIAL
505: 9-121223456

SYS SPEED NAME
505:

DEFAULT DATA

None

RELATED ITEMS

MMC 606
MMC 706

Assign Speed Block

System Speed Dial By Name

“A” button is button #19 on keyset

“B” button is button #20 on keyset

“C” button is button #21 on keyset

“D” button is button #22 on keyset

“E” button is button #23 on keyset

“F” button is button #24 on keyset

Allows a name (up to 11 characters) to be entered for each system speed dial location. This name enables the speed dial number to be located when using the directory dial feature. The directory dial feature allows the display keyset user to select a speed dial location by scanning its name.

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



NOTE

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

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

The # 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
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
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

```
SYS SPEED NAME  
500:
```

```
SYS SPEED NAME  
505:
```

```
SYS SPEED NAME  
505: TELECOMS
```

```
SYS SPEED DIAL  
505:
```

DEFAULT DATA

No names

RELATED ITEMS

MMC 606
MMC 705

Assign Speed Block
Assign System Speed Dial

Enables the authorisation feature on a per-class of service selection. There are 30 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 1–30 (e.g., 05)
OR
Press UP or DOWN key to selected index number and press RIGHT soft key to move cursor
3. Enter authorisation 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 (Q1)
CODE:      COS: 01
```

```
AUTHOR. CODE (05)
CODE: _    COS: 01
```

```
AUTHOR. CODE (05)
CODE: 1234  COS: 01
```

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

DEFAULT DATA

COS: 01

RELATED ITEMS

MMC 305 Assign Forced Code

Enables the account code entry feature. There are 200 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 1–200 (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  
Q01:
```

```
ACCOUNT CODE  
Q05 :
```

```
ACCOUNT CODE  
005: 123456789012
```

DEFAULT DATA

None

RELATED ITEMS

MMC 305 Assign Forced Code

Provides a way to identify the access codes needed to work toll restriction (call barring) when the system is used with either a PBX or CENTREX-supplied dial tone (PBX ACCESS CODE); there is a maximum of five (5) entries allowed. Also provides a way of identifying the access codes needed to work toll restriction when the user operates special CO-provided functions (SPECIAL CODE); a maximum of ten (10) entries is allowed.

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 0 for PBX ACCESS CODE or 1 for SPECIAL CODE
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter index number (e.g., 3)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Enter via dial keypad the desired access/feature code (e.g., 9) and press RIGHT soft key to enter and return to step 2
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

PBX ACCESS CODE
1: _

SPECIAL CODE
01: _

PBX ACCESS CODE
3: _

SPECIAL CODE
3: _

PBX ACCESS CODE
3: 9

DEFAULT DATA

None

RELATED ITEMS

MMC 702	Toll Deny Table
MMC 703	Toll Allowance Table

The LCR DIGIT TABLE contains all numerical digits for the completion of outgoing call placement. This table works in conjunction with LCR ROUTE TABLE, LCR TIME TABLE and LCR MODIFY DIGITS TABLE. There is a maximum of 300 entries with a digit string length of 10 numerical digits. This system automatically maintains entered digit strings in numerical order. The characters * and # are also accepted for use with feature codes.

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

LCR DIGIT (001)
DIGIT:

2. Dial LCR entry (e.g., 005)
OR
Press UP or DOWN to select entry and press RIGHT soft key to move cursor

LCR DIGIT (005)
DIGIT: _

3. Enter LCR digit string via the dial keypad and press RIGHT soft key
OR
Press LEFT soft key to return to step 1

LCR DIGIT (005)
DIGIT: 305426

4. Enter digit length (00-31)
Cursor will move to RT (route selection)
Enter RT (1-16)
OR
Press LEFT soft key to return to length value
Valid entry will return you to step 1

LCR DIGIT (005)
LENGTH: 10 RT: 01

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

DEFAULT DATA

001:01426	002:01459	003:01893
004:0345	005:0800	006:0941
007:1	008:121	009:2
010~016:3~9		

RELATED ITEMS

MMC 712	LCR Route Table
---------	-----------------

This table gives the flexibility to the system, through the LCR ROUTES, to allow calls placed at any given time of day to use the least cost trunk route that is available. When LCR ROUTE ADVANCE is allowed, it is possible for calls to be placed on more expensive trunks on any given time of day. There are four possible time entries per day; the start time of the next time period is the end time of the previous time period.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
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
3. Dial time band (A–D, e.g., B)
OR
Press UP or DOWN to make selection and press RIGHT soft key
4. Dial time via keypad (24–hour format, e.g. 0800)
Cursor moves to LCRT (reference MMC 712)
Dial entry 1–4
OR
Press UP or DOWN to select entry and press RIGHT soft key to make entry and return to step 1
OR
If entry is dialled, return to step 2
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
LCR TIME (SUN: A)  
HHMM: 0000 LCRT: 1
```

```
LCR TIME (WED: A)  
HHMM: 0000 LCRT: 1
```

```
LCR TIME (WED: B)  
HHMM: 0000 TIME: 1
```

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

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

DEFAULT DATA

All Day 0000 : 1

RELATED ITEMS

MMC 712

LCR Route Table

The LCR ROUTE TABLE is responsible for selecting a specific trunk group in the completion of an outward bound call. This table works in conjunction with LCR DIGIT TABLE, LCR TIME TABLE, LCR COS TABLE and LCR MODIFIED DIGITS TABLE. After the user dials a valid digit string, the system uses the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum number of 16 routes available beginning with ROUTE NUMBER 1. If more than one trunk group is available for call completion, the system uses the first designated trunk group and then starts to utilise succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

PROGRAM KEYS

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

ACTION

1. Press TRSF 712
Display shows

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

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

4. Dial LCR COS number 1–8 (e.g., 4)
OR
Press UP or DOWN to selected COS and press RIGHT soft key to move cursor

5. Dial TRUNK GROUP access code 0,80–82 (e.g., 81)
OR
Press UP or DOWN to selected access code and press RIGHT soft key to move cursor

6. Dial MODIFY DIGITS index number 001–100 (e.g., 50)
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

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

DISPLAY

```
LCR ROUTE (Q1: 1)
C: 1 G: NONE M: ----
```

```
LCR ROUTE (Q5: 1)
C: 1 G: NONE M: ----
```

```
LCR ROUTE (05: 2)
C: 1 G: NONE M: ----
```

```
LCR ROUTE (05: 2)
C: 4 G: NONE M: ----
```

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

```
LCR ROUTE (05: 2)
C: 4 G: 81 M: Q50
```

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

DEFAULT DATA

01:1 C:1 G:9 M:001

RELATED ITEMS

MMC 310	LCR Class Of Service
MMC 710	LCR Digit Table
MMC 711	LCR Time Table
MMC 713	LCR Modify Digit Table

This program entry, also referred to as Out Dial Rules, gives the system the ability to add or delete a digit string or single digit, if needed, to complete a call. A good example is adding a digit "1".

The characters * and # can also be entered.

OPTIONMAXIMUM NUMBER OF DIGIT ENTRIES

Number of digits to delete 15

Insert (before dialling string) 14

Append (after dialling 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 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.
6. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
LCR MODI FY (001)
NOF DEL DGT: 00
```

```
LCR MODI FY (005)
NOF DEL DI GT: 00
```

```
LCR MODI FY (005)
I : _
```

```
LCR MODI FY (005)
I : 10288_
```

```
LCR MODI FY (005)
A: 45678_
```

DEFAULT DATA

```
002: I:132
003: DEL:03
```

RELATED ITEMS

MMC 710

LCR Digit Table

Provides a method of assigning an incoming DDI call through ISDN to a specific station. If you have specified DDI service with your Network Carrier, you can match each DDI number to specific stations using this command according to the day or night mode. You also have the option, when the destination station is busy, of deciding if the call is to be camped on to the destination station or of clearing the call.

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 DDI NUMBER TABLE, the system routes this call to the operator group.

There is a total of 50 entries in the system and each entry consists of the following fields:

0	DIGITS	Digits to be received (max. 12 digits). Wild card (★) is valid entry.
1	DAY DEST	Destination in day mode. Can be a station, a station group, a trunk or trunk group. Repeat (B) will be acceptable to bypass.
2	NIGHT DEST	Destination in day mode. Can be a station, a station group, a trunk or a 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. This is useful when the received digits are prefixed with the same digit(s).
5	NAME	Gives a name to an individual entry (11 characters maximum).

Names are written using the keypad in the same manner as SPEED NAME. Refer to table below.

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

The # 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

ACTION

1. Press TRSF 714
Display shows
2. Enter valid index number (e.g., 05) via dial keypad
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter the DDI number (e.g., 4603831) via dial keypad and press RIGHT soft key to move cursor
(Max. digits is 12)
4. Enter day destination via dial keypad (e.g., 204)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
5. Enter night destination via dial keypad (e.g., 204)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
6. Enter 1 for YES (call waiting) or 0 for NO (no call waiting)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
7. Enter digits to be deleted via dial keypad
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
8. Enter name using above table and press RIGHT soft key to return to step 2
9. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

D I D D I G I T (01)
DGT: 2**

D I D D I G I T (05)
DGT:

D I D D I G I T (05)
DGT: 4603831

D I D D I G I T (05)
→D: 204 N:

D I D D I G I T (05)
→D: 204 N: 204

D I D D I G I T (05)
CW: NO DELETE: 0

D I D D I G I T (05)
CW: NO DELETE: 3

D I D D I G I T (05)
NAME: _

DEFAULT DATA

There are four entries (01, 02, 03 and 04)

	01	02	03	04
DIGITS	2**	3**	5**	7***
DAY DEST	B	B	B	B
NIGHT DEST	B	B	B	B
CALL WAIT	No	No	No	No
NOF DEL DGT	0	0	0	0
NAME	NONE	NONE	NONE	NONE

RELATED ITEMS

MMC 419

BRI Option

Allows a 16-character (max.) custom message to be programmed. Messages are written via the keypad. Each press of a key selects a character. Pressing a different key moves the cursor to the next position. For example, if the message is "Sunbathing," press the number "7" four 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 changes the letter from upper case to lower case.



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

The # 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

3. Enter message via the dial keypad 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

DISPLAY

PGM. MESSAGE(01)
I N A M E E T I N G

PGM. MESSAGE(11)
E M P T Y M E S S A G E

PGM. MESSAGE(11)
S u n b a t h i n g

DEFAULT DATA

Ten programmed messages

01. I N A M E E T I N G
 02. O U T O N A C A L L
 03. O U T T O L U N C H
 04. L E A V E A M E S S A G E
 05. P A G E M E
 06. O U T O F T O W N
 07. I N T O M O R R O W
 08. R E T U R N A F T E R N O O N
 09. O N V A C A T I O N
 10. G O N E H O M E
- (Messages 11–20 are not used)

RELATED ITEMS

MMC 115

Set Programmed Message

This MMC provides UK LCR options. Before using this MMC, make sure you have successfully run MMC 812 to set the country code.

- 0 NETWORK CODE Provides secondary network access code when the call is routed to the secondary network. 16 entries maximum (each 10 digits maximum in length).
- 1 PIN CODE Assigns PIN code used when the call is routed to secondary 131 MCL network.
- 2 CCC OPTION Selects Call Cost Option and is related only to 131 Mercury service.
- 3 STATION PIN NO Assigns individual users to selected PIN codes in the system.



NOTE

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

1. Press TRSF 716
Display shows

2. Enter item number (e.g., 1)
OR
Press UP or DOWN key to make selection and press RIGHT soft key.

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

4. Enter the desired access via dial keypad and press RIGHT soft key to enter and return to step 3

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

DISPLAY

NETWORK CODE
1:

PIN CODE
1:

PIN CODE
3:

PIN CODE
3: 3040506

DEFAULT DATA

NETWORK CODE:	2:132, 4:0000, Others: None
PIN CODE:	None
CCC OPTION:	None
STATION PIN NO:	All stations are 1

RELATED ITEMS

MMC 710	LCR Digit Table
MMC 711	LCR Time Table
MMC 712	LCR Route Table
MMC 713	LCR Modify Digit Table
MMC 812	Country Code

This MMC is used for handling CID received from ISDN line for Memory or CID 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:
COUNTRYCall from International.
AREACall 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 (max. 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  
AREA      :
```

```
MY AREA CODE  
COUNTRY  :
```

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

DEFAULT DATA

COUNTRY: International call code for selected country at MMC 812

RELATED ITEMS

- CID REVIEW SAVE/DIAL
- CID ABANDONED LIST

720

COPY KEY PROGRAMMING

Provides a tool for duplicating key assignment from one keyset to another. This can be done on a per-station basis or on all stations, but not on a group of stations. One limitation is that the original and target keysets must be of the same type (i.e. same number of buttons.)

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	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 to copy to (e.g., 205)
OR
Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor
3. Enter station number to copy from (e.g., 203) and cursor returns to step 2
OR
Press UP or DOWN keys to make selection
4. Press RIGHT soft key to return to step 2
OR
Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[201] COPY KEY
FROM: NONE
```

```
[205] COPY KEY
FROM: NONE
```

```
[205] COPY KEY
FROM: 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

Provides a service tool which minimises the accidental loss of programmable keys on DCS-816 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.



This program is not to be confused with AUTO SET RELOCATE. MMC 721 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

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

DISPLAY

[201] SAVE KEY RESTORE
[205] SAVE KEY RESTORE
[205] SAVE KEY SAVE

DEFAULT DATA

None

RELATED ITEMS

- | | |
|---------|-------------------------|
| MMC 107 | Key Extender |
| MMC 722 | Station Key Programming |
| MMC 723 | System Key Programming |

Allows the customizing of programmable keys on specific electronic keysets on the DCS-816 system. Buttons 1 and 2 are set as CALL buttons by default. Features are entered via dial pad keys 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 the selection from BARGE to BOSS.

DIAL KEYPAD

COUNT→	1	2	3	4
DIAL 2	AAPLAY	BARGE	CALL	
DIAL 3	DICT	EXTMIC	FAUTO	
DIAL 4	GPIK	HDSET	IG	
DIAL 5	LCR	LCR	LCR	
DIAL 6	MMPA	NEW	OHVA	
DIAL 7	PAGE	PAGE	REJECT	SETMG
DIAL 8	TG	UA	VG	

PROGRAM KEYS

UP & DOWN
KEYPAD
SOFT KEYS
SPK
HOLD

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

ACTION

1. Press TRSF 722
Display shows
2. Enter station number (e.g., 205)
OR
Press UP or DOWN key to make selection and press RIGHT soft key
3. Enter key number (e.g., 18)
OR
Press UP or DOWN key to make selection and press RIGHT soft key
OR
Press programmable button
4. Using table above, press dial key pad 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
5. If required, enter extender (e.g., 03)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
6. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[201] KEY (MAST)
01: CALL1 →
```

```
[205] KEY (MAST)
01: CALL1 →
```

```
[205] KEY (MAST)
18: NONE →_
```

```
[205] KEY (MAST)
18: NONE →GPI K_
```

```
[205] KEY (MAST)
18: NONE →GPI K03
```

DEFAULT DATA: (all blank for Newzealand)

24-Button Keypad

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

12-Button Keypad

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

7-Button Keypad

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

6-Button keypad

01:CALL1	02:CALL2
03:DT701	04:DT702
05:DT703	06:SPD

48-Button Add-On Module

32-Button Add-On Module

01:DS	13:DS	25:DS	37S
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

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

Programmable Key Assignments

AAPLAY	AUTO ATTND MESSAGE PLAY
AAREC	AUTO ATTND MESSAGE RECORD
AB	ABSENCE
ABAND	ABANDON DATA
ACCT	ACCOUNT
ALARM	ALARM RING ANSWER
AN/RLS	ANSWER/RELEASE
BARGE	BARGE-IN
BLOCK	OHVA BLOCK
BOSS	BOSS / SECRETARY
CALL	CALL BUTTON
CAMP	STATION CAMP ON
CANMG	MESSAGE CANCEL
CBK	CALLBACK
CLIP	CLIP
CONF	CONFERENCE
CR	CALL RECORD (for SVM-400)
CS	UCD CALL WAITING STATUS
CSNR	CLIP SAVE NUMBER REDIAL
DICT	DICTIONATION
DIR	DIRECTORY
DLOCK	DOOR LOCK
DND	DO NOT DISTURB
DP	DIRECT PICK UP
DROP	TRANSFER CALL DROP
DS	DSS KEY
DT	DTS KEY
EXTMIC	EXTERNAL MIC. (for 28D and 18D)
FAUTO	FORCED AUTO ANSWER
FLASH	FLASH
FWRD	CALL FORWARD
GPIK	GROUP PICK UP
HDSET	HEADSET MODE ON/OFF
HLDPK	HOLD PICK UP
IG	IN/OUT OF GROUP
INQUIRE	CID INQUIRE
ISPY	CID 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	CID NAME/NUMBER/DATE
NXT	CID NEXT
OHVA	OFF HOOK VOICE ANNOUNCE
OPER	OPERATOR
PAGE	PAGE
PAGPK	PICKUP PAGE HOLD
PARK	CALL PARK/RETRIEVE
PAUSE	PAUSE

PMSG	PROGRAMMED STATION MSG
REJECT	OHVA REJECT
RETRY	AUTO REDIAL ON BUSY
REVV	REVIEW (CLIP)
SETMG	SET MESSAGE W/O RING
SG	STATION GROUP
SNR	SAVED NUMBER REDIAL
SP	SUPERVISOR OF UCD
SPD	SPEED DIAL
SPKR	SPEAKER (for 28D,18D and 8D)
STORE	STORE (CLIP)
TG	TRUNK GROUP
TIMER	TIMER
TRSF	TRANSFER (for 28D,18D and 8D)
UA	UNIVERSAL ANSWER
VG	VMS GROUP MESSAGE
VMADM	VM ADMINISTRATION
VMAME	ANSWER MACHINE EMULATION
VM	VOICE MAIL MEMO
VMSG	VM MESSAGE KEY
VT	VM TRANSFER

EMS

MMC 107

Key Extender

This MMC is much like MMC 722, Station Key Programming. The main difference is that this MMC is system-wide rather than on a per-station basis. Features are entered via the dial keypad by pressing numbers as shown in the table. For example, for OHVA the number 6 is pressed three times. If the BOSS key is required, press 2 for the first letter B, and then use the UP or DOWN key to change selection from BARGE to BOSS

DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AAPLAY	BARGE	CALL	
DIAL 3	DICT	EXTMIC	FAUTO	
DIAL 4	GPIK	HDSET	IG	
DIAL 5	LCR	LCR	LCR	
DIAL 6	MMPA	NEW	OHVA	
DIAL 7	PAGE	PAGE	SG	SETMG
DIAL 8	TG	UA	VT	

TYPE OF SET

0	24-BTN	5	48-BTN AOMs
1	12-BTN	6	28-BTN
2	not used	7	18-BTN
3	6-BTN	8	8-BTN
4	not used	9	24B SIMPLE

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 type of set via dial keypad (e.g., 5)
OR
Press UP or DOWN key to make selection and press RIGHT soft key

3. Enter key number (e.g., 18)
OR
Press UP or DOWN key to make selection and press RIGHT soft key

4. Using table above, press dial keypad number to make selection
OR
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor to step 5 to enter extender, if required
OR
Press LEFT soft key to return to step 3

5. If required, enter extender (e.g., 03)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2

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

DISPLAY

TYPE: 24 BTN SETS
01: CALL1 →

TYPE: 24 BTN SETS
01: CALL1 →

TYPE: 24 BTN SETS
18: DS →

TYPE: 24 BTN SETS
18: DS →GPI K

TYPE: 24 BTN SETS
18: DS →GPI K03

DEFAULT DATA

(All blank for Newzealand)

24-Button Keypad

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

12-Button Keypad

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

7-Button Keypad

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

6-Button keypad

01:CALL1	02:CALL2
03:DT701	04:DT702
05:DT703	06:NONE

48-Button 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

32-Button Add-On Module

01:DS	02:DS	03:DS	04:DS
05:DS	06:DS	07:DS	08:DS
09:DS	10:DS	11:DS	12:DS
13:DS	14:DS	15:DS	16:DS
17:DS	18:DS	19:DS	20:DS
21:DS	22:DS	23:DS	24:DS
25:DS	26:DS	27:DS	28:DS
29:DS	30:DS	31:DS	32:DS

Programmable Key Assignments

- | | |
|--------|---------------------------|
| AAPLAY | AUTO ATTND MESSAGE PLAY |
| AAREC | AUTO ATTND MESSAGE RECORD |
| AB | ABSENCE |
| ABAND | ABANDON DATA |
| ACCT | ACCOUNT |
| ALARM | ALARM RING ANSWER |
| AN/RLS | ANSWER/RELEASE |
| BARGE | BARGE-IN |
| BLOCK | OHVA BLOCK |
| BOSS | BOSS / SECRETARY |
| CALL | CALL BUTTON |
| CAMP | STATION CAMP ON |
| CANMG | MESSAGE CANCEL |
| CBK | CALLBACK |
| CLIP | CLIP |
| CONF | CONFERENCE |
| CR | CALL RECORD(for SVM-400) |
| CS | UCD CALL WAITING STATUS |
| CSNR | CLIP SAVE NUMBER REDIAL |

DICT	DICTATION
DIR	DIRECTORY
DLOCK	DOOR LOCK
DND	DO NOT DISTURB
DP	DIRECT PICK UP
DROP	TRANSFER CALL DROP
DS	DSS KEY
DT	DTS KEY
EXTMIC	EXTERNAL MIC. (for 28D and 18D)
FAUTO	FORCED AUTO ANSWER
FLASH	FLASH
FWRD	CALL FORWARD
GPIK	GROUP PICK UP
HDSET	HEADSET MODE ON/OFF
HLDPK	HOLD PICK UP
IG	IN/OUT OF GROUP
INQUIRE	CID INQUIRE
ISPY	CID 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	CID NAME/NUMBER/DATE
NXT	CID NEXT
OHVA	OFF HOOK VOICE ANNOUNCE
OPER	OPERATOR
PAGE	PAGE
PAGPK	PICKUP PAGE HOLD
PARK	CALL PARK/RETRIEVE
PAUSE	PAUSE
PMSG	PROGRAMMED STATION MSG
REJECT	OHVA REJECT
RETRY	AUTO REDIAL ON BUSY
REVV	REVIEW (CLIP)
SETMG	SET MESSAGE W/O RING
SG	STATION GROUP
SNR	SAVED NUMBER REDIAL
SP	SUPERVISOR OF UCD
SPD	SPEED DIAL
SPKR	SPEAKER (for 28D,18D and 8D)
STORE	STORE (CLIP)
TG	TRUNK GROUP
TIMER	TIMER
TRSF	TRANSFER (for 28D,18D and 8D)
UA	UNIVERSAL ANSWER
VG	VMS GROUP MESSAGE
VMADM	VOICE MAIL ADMINISTRATION
VMAME	VOICE MAIL ADMINISTRATION
VM	VOICE MAIL MEMO
VMSG	VOICE MAIL MESSAGE KEY
VT	VM TRANSFER

RELATED ITEMS

MMC 107

Key Extender

Provides the access codes and dialling 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 customise the dialling plan. An error message is also provided in case an access/feature code is duplicated.

The following options may be selected:

0	STN DIAL NUMBER	Determines the station port dialling numbers.
1	TRK DIAL NUMBER	Determines the trunk port dialling numbers.
2	AA DIAL NUMBER	Determines the auto attendant port dialling numbers.
3	MISC DIAL NUMBER	Determines the miscellaneous port dialling numbers.
4	STNG DIAL NUMBER	Determines the station group dialling numbers.
5	TRKG DIAL NUMBER	Determines the trunk group dialling numbers.
6	FEAT DIAL NUMBER	Determines the feature codes.
7	S0 STN DIAL NO.	Determines the S0 station dialling number.

Feature codes are entered via the dial keypad, by pressing numbers as shown in the table below. 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.

IMPORTANT

Remember that this program is system wide

DIAL KEYPAD

COUNT	1	2	3
DIAL 2	AAPLAY	BARGE	CAMP
DIAL 3	DICT	DICT	FAUTO
DIAL 4	GPIK	HDSET	IOG
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	REJECT	SETMG
DIAL 8	UA	UA	VMSCMT
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 724
Display shows

2. Enter option number 0-7 (e.g., 4)
OR
Press UP or DOWN key to make selection and press RIGHT soft key

3. Using table above, press dial keypad number to make selection
OR
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor

4. Enter digits (e.g., 68) via dial keypad

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 an error message appears indicating duplication of access code:
Enter 1 for YES for change OR 0 for NO for no change

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

DISPLAY

```
STN DIAL NUMBER
BDLI 01: 201 →
```

```
FEAT DIAL
NUMBER
AAPLAY: NONE →
```

```
FEAT DIAL
NUMBER
DI CT : NONE→_
```

```
FEAT DIAL
NUMBER
DI CT : NONE→68
```

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

DEFAULT DATA

STN DIAL NUMBER:	201 ~ 216
TRK DIAL NUMBER:	701 ~ 708(710: for Australia)
AA DIAL NUMBER:	AA : 381 ~ 384
MISC DIAL NUM:	External page: 361 BGM: 371 Common bell : None Loud bell: None ~
STNG DIAL NUMBER:	500 ~ 509
TRKG DIAL NUMBER:	0, 80 ~ 82
FEAT DIAL NUMBER:	

ABAND	64
ABS	None
ACCT	47
ALMCLR	57
AUTH	*
BARGE	None
BLOCK	None
BOSS	None
CAMP	45
CANMG	42

CBK	44
CONF	46
DICT	None
DIR	None
DIRPK	65
DISALM	58
DLOCK	13
DND	40
DNDOVRD	None
FAUTO	14
FLASH	49
FWD	60
GRPK	66
HDSET	None
HLDPK	12
HOLD	11
IG	53
LCR	None
LISTN	None
LNR	19
MMPA	56
MMPG	54
MSG	43
MYGRPK	#
NEW	None
NIGHT	None
OHVA	None
OPER	9
PAGE	55
PAGPK	10
PARK	None
PAUSE	None
PMSG	48
REJECT	None
SELF ID	None
SETMG	41
SLTMMC	15
SNR	17
SPEED	16
UA	67
VMADM	None
VMAME	None
VMMEMO	None
VMMSG	None
WCOS	59
S0 STN DIAL NO	7801~ 7816

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 Determines whether a page header prints 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 Selects the length of each page to determine when to print the SMDR header. The number of lines is in the range 01–99.
- 2. INCOMING CALL Determines whether incoming calls print on SMDR.
- 3. OUTGOING CALL Determines whether outgoing calls print on SMDR.
- 4. AUTHORIZE CODE Determines whether authorisation codes print on SMDR.
- 5. SMDR START TIME Determines whether valid calls will include the minimum call time in total call duration.
- 6. IN/OUT GROUP 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 Allows a message, DND ON or DND OFF, to be printed in the Digits Dialed column each time a station enters or leaves DND.
- 8. WAKE-UP CALL Determines whether stations receiving an alarm reminder call print on SMDR.
- 9. DIRECTORY NAME Allows the system administrator to enter a 16–character name which will appear on the SMDR header.
- 10. CALLER ID DATA 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.
- 12. LONG DISTANCE Determines whether long distance calls print on SMDR. If this option is set to YES, can assign the long distance call CODE up to 10 digits.
- 13. NO. OF DIAL MASK Determines whether number of masked dial digits print on SMDR.
- 14. DID NUM/NAME Determines whether DID number and Name 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 selects a character. Pressing the next key moves the cursor to the next position. For example, if the directory name is “SAM SMITH,” press the number “7” three times to get the letter “S.” Now press the number “2” once to get the letter “A.” Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key changes the letter from upper case to lower case.

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	6
DIAL0	<	>	.	)	0	
DIAL1	space	?	,	!	1	
DIAL2	A	B	C	@	2	
DIAL3	D	E	F	#	3	
DIAL4	G	H	I	\$	4	
DIAL5	J	K	L	%	5	
DIAL6	M	N	O	^	6	
DIAL7	P	Q	R	S	7	
DIAL8	T	U	V		8	
DIAL9	W	X	Y	Z	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

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

DISPLAY

PAGE HEADER
PRINT : YES

LINE PER PAGE
60 LINE / PAGE

LINE PER PAGE
50 LINE / PAGE

OR

LINE PER PAGE
50 LINE / PAGE

THEN

LINE PER PAGE
50 LINE / PAGE

4. If option 0 is selected at step 2

PAGE HEADER
PRINT : YES

5. If option 2 is selected at step 2

INCOMING CALL
PRINT : NO

6. If option 3 is selected at step 2

OUTGOING CALL
PRINT : YES

7. If option 4 is selected at step 2

AUTHORIZ CODE
PRINT : NO

8. If option 5 is selected at step 2

SMDR START TIME
PRINT : YES

9. If option 6 is selected at step 2

IN/OUT GROUP
PRINT : NO

10. If option 7 is selected at step 2

DND CALL
PRINT : NO

11. If option 8 is selected at step 2

WAKE-UP CALL
PRINT : YES

12. If option 9 is selected at step 2

DI RECTORY NAME
—

12 a. Enter the 16-character name as described above

DI RECTORY NAME
TELECOMS DCS

12 b. Press RIGHT soft key to save name and return to step 2

DI RECTORYNAME
TELECOMS DCS

13. If option 10 is selected at step 2

CALLER I D DATA
PRINT : YES

14. If option 11 is selected at step 2

ABANDON CALL
PRINT : YES

15 a. If option 12 is selected at step 2

LONG DI STANCE
PRINT : NO

15 b. If option 12 is selected 'YES',
can assign Long Distance Code.

LONG DI STANCE
OO:

15 c. Select the table number (00-49)

LONG DI STANCE
01:

15 d. Enter the Long Distance Code (max. 10 digits)

LONG DI STANCE
01: 053

16. If option 13 is selected at step 2

NO. OF DIAL ASK
00

17. After all desired options have been selected, press TRSF to exit

OR

Press SPK to exit and advance to next MMC

DEFAULT DATA

Page Header: Yes

Wake-Up Call: Yes

Line Per Page: 66

Directory Name: No default defined

Incoming Call: No

Outgoing Call: Yes

Caller ID Data: Yes

Authorise Code: No

Abandon Call: Yes

SMDR Start Time: Yes

Long Distance: No

In/Out Group: No

No. Of Dial Mask: 00

DND Call: No

DID NUM/NAME: NO

RELATED ITEMS

MMC 300

Customer On/Off Per Station

Provides a flexible means of setting in-band signalling for voice mail or auto attendant parameters. There are eight main options for programming and several sub-options to customise the application. Simple YES/NO, numeric and alpha characters are required for setting VM/AA.

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

- | | | |
|----|-------------------|--|
| 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. | SEPARATOR | In cases where DN2 is used, this specific digit is sent between the DN1 and the DN2 information. Both DN1 and DN2 must be set to YES for SEPARATOR 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 are several customising 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. | DDI CALL | A DDI 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. | PROGRESS TONE ID | DTMF digits can be sent in place of normal system tones. Digits can be assigned to the following tones: |

TONES	VALUE
0. DIAL TONE	NO
1. BUSY TONE	NO
2. RINGBAK TONE	NO
3. DND NOMORE	NO
4. HDSET ANSWER	NO
5. SPKER ANSWER	NO

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

DISPLAY

1. Press TRSF 726 Display shows	<u>E</u> XT FOR DN1 YES
2. 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	<u>S</u> EPARATOR NO
3. Enter 1 for YES or 0 for NO OR Press UP or DOWN key for selection Press RIGHT soft key to return to step 2	SEPARATOR <u>Y</u> ES
4. If option 0 is selected at step 2	<u>E</u> XT FOR DN1 YES
5. If option 1 is selected at step 2	TRK FOR DN1 <u>Y</u> ES
6. If option 2 is selected at step 2	<u>E</u> XT FOR DN2 NO
7. If option 3 is selected at step 2	TRK FOR DN2 <u>N</u> O
8. If option 4 is selected at step 2 (A valid entry consists of digits 0–9 or alpha characters A–C)	SEPARATOR <u>N</u> O
9. If option 5 is selected at step 2 (A valid entry consists of digits 0–9 or alpha characters A–C)	DI SCONECT SI GNAL <u>C</u>

- 10. If option 6 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C)
See above list under CALL TYPE ID options list

CALL TYPE ID
DIRECT CALL : NO

- 11. If option 7 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C)
See above list under CALL PROGRESS TONE

PROGRESS TONE ID
DIAL TONE : BA

DEFAULT DATA

EXT FOR DN1 = Yes
TRK FOR DN1 = Yes
EXT FOR DN2 = No
TRK FOR DN2 = No
SEPARATOR = No
DISCONNECT SIGNAL = C
CALL TYPE ID
DIRECT CALL:1
ALL FWD CALL:2
BSY FWD CALL:3
NOA FWD CALL:4
RECALL:5
DIR TRK CALL:6
OVERFLOW:7
DDI CALL:8
MESSAGE:9
CALL PROGRESS TONE
DIAL TONE:No
BUSY TONE:No
RINGBACK TONE:No
DND NO MORE:No
HDSET ANSWER:No
SPKER ANSWER:No

RELATED ITEMS

MMC 207

Assign VM/AA Port

727

SYSTEM VERSION DISPLAY

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 727
Display shows

DISPLAY

```
ROM VERSION
' 98. 07. 16  V1.00
```

2. Press UP or DOWN key to select card and program version:

AA slot installed card and AA program version.

```
AA VER: AA
' 97. 02. 10  V3.0
```

Expansion slot installed card and program version.

```
EXP. VER: 4BRI
' 98. 10. 10.  V1.0
```



NOTE

If no card is installed, display is NO INSTALL CARD

DEFAULT DATA

None

RELATED ITEMS

None

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" is displayed.

The translation table consists of 200 entries, each comprising a 16-digit telephone number and a 16-digit name.

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



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
DIAL0	<	>	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V		8
DIAL9	W	X	Y	Z	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

ACTION

1. Press TRSF 728
Display shows first entry
2. Dial entry number (e.g., 005)
OR
Press UP or DOWN key to select and press RIGHT soft key
3. Enter telephone number and press RIGHT soft key to advance to name entry
OR
Enter telephone number and press LEFT soft key to return to step 2
4. Enter associated name as described above and press RIGHT or LEFT soft key to return step 2
OR
Press SPK to save and advance to next MMC
OR
Press TRSF to save and exit programming

DISPLAY

```
CLIP XLAT (Q01)
DIGIT:
```

```
CLIP XLAT (Q05)
DIGIT:
```

```
CLIP XLAT (Q05)
825464602834
```

```
CLIP XLAT (Q05)
SAMSUNG CO.
```

DEFAULT DATA

None

RELATED ITEMS

None

Used to control AA record gain.

PROGRAM KEYS

UP & DOWN
KEYPAD
SOFT KEYS
SPK
HOLD

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

ACTION

1. Press TRSF 730
Display shows
2. Dial AA number (first port in card, e.g., 381)
OR
Press UP or DOWN to select and press RIGHT soft key
3. Press UP or DOWN to select record gain and press RIGHT soft key
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC.

DISPLAY

```
[381]  AAREC. GAI N  
REC. GAI N: +0. 0
```

```
[381]  AAREC. GAI N  
REC. GAI N: +0. 0
```

```
[381]  AAREC. GAI N  
REC. GAI N: +1. 9
```

DEFAULT DATA

0 dB

RELATED ITEMS

None

731

AA RAM CLEAR

Used for clearing AA RAM on an AA card basis. Through this MMC, the system only accepts the first port, and the LCD shows its selection. This will erase the whole message that has been programmed previously on the selected card.

ACTION

1. Press TRSF 731
Display shows
2. Dial AA number (e.g., 381)
OR
Press UP or DOWN to make selection and press RIGHT soft key
3. Dial 0 (No) or 1 (Yes)
OR
Press UP or DOWN to make selection and press RIGHT soft key
4. Dial 0 (No) or 1 (Yes) to confirm selection
OR
Press UP or DOWN to make selection and press RIGHT soft key
5. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
[381] RAM CLEAR
CLR RECORDED?NO
```

```
[381] RAM CLEAR
CLR RECORDED?NO
```

```
[381] RAM CLEAR
CLR RECORDED?YES
```

```
[381] RAM CLEAR
ARE YOU SURE?NO
```

DEFAULT DATA

None

RELATED ITEMS

None

This command gives more flexibility to the system by compiling a digit to Plan or Destination Translation Table, which performs the translation from dialled digit(s) into destination parts. Destination parts could be a station number, station group, REPEAT, Change Greeting Message Code or AA Plan Table.

If you selected REPEAT by pressing button B, dialled digits may be bypassed without translating.

AA Trans Tables (01 – 12) can have up to 50 entries each (Plan01~ 02:50, Plan03~ 12:25).

DESTINATION

STATION, STATION GROUP, AA TRANS NO., REPEAT and CHANGE GREETING MESSAGE CODE . If you press the A button in the DESTINATION field, you can enter AA TRANS NUMBER.

You are, however, not allowed to route a table number to the same number being programmed.

For example:

```
AA TRAN TB(02)
01: →_
```

If you press the A button the LCD will show P:

```
AA TRAN TB(02)
01: →P_
```

If you enter the same table index number 02 as the current table.:

```
AA TRAN TB(02)
01: →P02
```

you will hear error tone and the LCD will show:

```
AA TRAN TB(02)
NOT PERMI T
```

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

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

ACTION

1. Press TRSF 732
Display shows
2. Dial TABLE number (01 – 12, e.g., 02)
OR
Press UP or DOWN key to select and press RIGHT soft key
3. Dial ENTRY number (01 – 50, e.g., 02)
OR
Press UP or DOWN key to select and press RIGHT soft key
4. Enter Dial DIGIT and press RIGHT soft key
5. Enter Destination
OR
Press UP or DOWN key to select and press RIGHT soft key
6. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
AA TRANS TB(Q1)
01: 0 → 500
```

```
AA TRANS TB(Q2)
01: →
```

```
AA TRANS TB(02)
Q2: →
```

```
AA TRANS TB(02)
02: 2**_ →
```

```
AA TRANS TB(02)
02: 2** → 201
```

DEFAULT DATA

Table Entry

```
01 : 0 → 500
02 : 2** → B
03 : 3** → B
04 : 5** → B
05 : 7*** → B
06 : 9 → P03
```

RELATED ITEMS

MMC 733

AA Plan Table

Used to call up the customer recorded and pre-recorded messages into plans compiled in MMC 732. Pre-recorded messages listed below can be applied and destinations can be programmed as required. Specific ports are programmed by MMC 735, AA Use Table.

There are a total of 64 messages on an AA card:

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

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	INVLID MSG	01-64	Message when an invalid digit is dialled
4	NO ANS MSG	01-64	Message when there is no reply from the destination
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
9	CAMP ON	Yes/No	Allow camp-on to busy extension
10	ANS DELAY	01-10	Answer Delay
11	RETRY CNT	0-5	No of times the AA will try to connect before routing to final destination.
12	TRANS TABLE	01-12	Assigning associated TRANS TABLE
13	BUSY DEST	DEST	Alternative destination on busy
14	NO ANS DEST	DEST	Alternative destination on no answer
15	NO ACT DEST	DEST	Default destination on no action
16	INVALID DEST	DEST	Default destination on invalid action

There is a total of 12 tables (01-12) in the system, but not all tables have to be used.

DESTINATION

STATION, STATION GROUP, AA PLAN NO.

ACTION

1. Press TRSF 733
Display shows

2. Dial AA PLAN TABLE number (01 – 12, e.g., 02)
OR
Press UP or DOWN to select and press RIGHT soft key

3. Dial attribute number from above table (e.g., 1)
OR
Press UP or DOWN to select and press RIGHT soft key

4. Dial value (e.g. 01)
OR
Press UP or DOWN to select and press RIGHT soft key

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

DISPLAY

```
AA PLAN PROG(01)
DAY MSG : NONE
```

```
AA PLAN PROG(02)
DAY MSG : NONE
```

```
AA PLAN PROG(02)
NIGHT MSG : NONE
```

```
AA PLAN PROG(02)
NIGHT MSG : 01
```

DEFAULT DATA

DAY MSG	49
NIGHT MSG	NONE
ALTER MSG	NONE
INVLID MSG	64
NO ANS MSG	51
XFER MSG	53
BUSY MSG	52
NO STN MSG	50
NO ACT MSG	59
CAMP ON	OFF
ANS DELAY TIME	01 SEC
RETRY CNT	3
TRANS TABLE	01
BUSY DEST	500
NO ANSWER DEST	500
NO ACT DEST	500
INVALID DEST	500

RELATED ITEMS

MMC 732	AA Translation Table
MMC 734	AA Message Match

This MMC allows up to five messages to be grouped together into a single transmission with its own identification number.

For example, *05+ 07+ 13+ 16+ 64 = 01* (identification number).

ACTION

1. Press TRSF 734
If an AA card is fitted the following display will appear
2. Dial the desired MSG identification (link) number (01-64)
OR
Press UP or DOWN to select and press RIGHT soft key
3. Dial MSG numbers (01 – 64) recorded in AA card (up to 5)
OR
Press UP or DOWN to select and press RIGHT soft key

(MMC will automatically insert '+' as a delimiter)
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC soft key

DISPLAY

```
AA MSG MATCH(01)
01
```

```
AA MSG MATCH(01)
01
```

```
AA MSG MATCH(01)
05+07+13+16+64
```

DEFAULT DATA

MSG index number

RELATED ITEMS

None

735

AA USE TABLE

Assigns an AA PLAN TABLE to either an individual AA port or an AA group.

The AA Plan Numbers are in the range 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 AA number or AA group pilot number (e.g., 382)
OR
Press UP or DOWN to select and press RIGHT soft key
3. Dial AA PLAN number (e.g., 02)
OR
Press UP or DOWN to select and press RIGHT soft key
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC.

DISPLAY

```
[381] AA PLAN
PLAN NO : 01
```

```
[382] AA PLAN
PLAN NO : 01
```

```
[382] AA PLAN
PLAN NO : 02
```

DEFAULT DATA

Plan 01

RELATED ITEMS

None

Allows an AA MSG to be used as a Music On Hold (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. Dial AA number (last port on card, e.g., 384)
OR
Press UP or DOWN to select and press RIGHT soft key

3. Dial AA message number for MOH (01 – 64, e.g., 20)
OR
Press UP or DOWN to select and press RIGHT soft key

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

DISPLAY

[384] SET AAMOH
MOH MSG: Not Use

[384] SET AAMOH
MOH MSG: Not Use

[384] SET AAMOH
MOH MSG: 20

DEFAULT DATA

Not Use

RELATED ITEMS

None

740

STATION PAIR

Allows a station to be assigned as a 'secondary' to a 'primary' DGP station (keyphone) in the system. This will allow all features to be set or cancelled from either station, and both will ring when the 'primary' receives 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

1. Press TRSF 740
Display shows
2. Enter the primary station number via dial keypad (e.g., 201)
OR
Press UP or DOWN to select and press RGHT soft key
3. Enter the secondary station number via dial keypad (e.g., 205)
OR
Press UP or DOWN to select and press RGHT soft key
4. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC

DISPLAY

[201] PRIMARY
SECONDARY: NONE

[201] PRIMARY
SECONDARY: NONE

[201] PRIMARY
SECONDARY: 205

DEFAULT DATA

None

RELATED ITEMS

None

This MMC is only used for the external Samsung Voice Mail system (SVM-400).

When VMS starts or restarts it while download information about the DCS-816 system it is installed. This information is used by VMS to build a mailbox database.

This is quick way to initially configure a system, but is usually not necessary on subsequent restarts. This MMC can be used to turn on or off this database download and optionally restart the VMS.

DOWNLOAD

NO The database information will not be downloaded from keyphone system.

YES The database information will be downloaded from keyphone system.

After VMS has been initially configured, it is advisable to set this to **NO** to minimize boot up time.

PORT RESTART

NO The VMS will not restart

YES The VMS will restart according to the **DOWNLOAD** option.

This option can be used at any time to reset the external VMS(SVM-400).

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

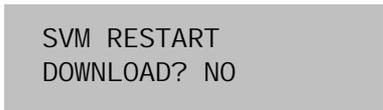
1. Press TRSF 750
Display shows

DISPLAY



SVM RESTART
DOWNLOAD? YES

2. Dial 0 for NO or 1 for YES



SVM RESTART
DOWNLOAD? NO

3. Display shows



SVM RESTART
SVM RESTART? NO

4. Dial 0 for NO or 1 for YES



SVM RESTART
SVM RESTART? NO

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

DEFAULT DATA

DOWNLOAD = YES

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System(SVM-400). It assigns each station or group as having a mailbox(yes or no). When stations or groups are flagged as YES, during Voice Mail System power up mailboxes will be created for each directory number with a “YES” entry.

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

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

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

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



NOTE

The groups that are supported are 500 to 508 (508 being the Voice Mail group). Mailboxes that are needed for people that do not have an extension must be added through Voice Mail programming.

PROGRAM KEYS

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

ACTION

DISPLAY

- | | |
|--|--------------------------------------|
| <p>1. Press TRSF 751
Display shows</p> | <p>ASSIGN MAIL BOX
NONE: YES</p> |
| <p>2. Dial station number
OR
Press UP or DOWN to scroll the number.</p> | <p>ASSIGN MAIL BOX
201 : YES</p> |
| <p>3. Press RIGHT soft key to move cursor</p> | <p>ASSIGN MAIL BOX
201 : YES</p> |
| <p>4. Change status using UP and DOWN
OR
Dial 0 for NO or 1 for YES.</p> | <p>ASSIGN MAIL BOX
201 : NO</p> |
| <p>5. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC</p> | |

DEFAULT DATA

All stations = YES

All groups = NO

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System(SVM-400).

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

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

In this MMC you can assign:

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

A maximum of 4 stations can this feature in the DCS-816.

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

When a Voice Mail port is assigned here, it is automatically removed from the Voice Mail group(508) defined in MMC 601.

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

PROGRAM KEYS

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

ACTION

1. Press TRSF 752
Display shows
2. Dial station number
OR
Press UP or DOWN to scroll the number.
Press RIGHT soft key to move cursor
3. Enter mailbox number using number keys. (e.g.,201).
Press right SOFT key to move cursor.
4. Enter VM port number using keypad or UP or DOWN.
Press right SOFT key to move cursor.
5. Enter call type, I, O or B.
6. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC

DISPLAY

AUTO RECORD
STN: NONE MB: NONE

AUTO RECORD
STN: 201 MB: NONE

AUTO RECORD
STN: 201 MB: 201

AUTO RECORD
PORT: NONE CALL: I

AUTO RECORD
PORT: 209 CALL: B

DEFAULT DATA

None

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System.

This MMC provides an emergency destination for calls destined for the Voice Mail System, if the Voice Mail System is removed or is offline.

In addition any calls that are forwarded to the Voice Mail card will not forward, they will remain ringing at the “fwd from” station until answered.

This destination can be a station number or a group number.

PROGRAM KEYS

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

ACTION

1. Press TRSF 753
Display shows
2. Dial station number or group number
OR
Press UP or DOWN to scroll the number.
3. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC

DISPLAY



DEFAULT DATA

DEST = 500

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System.

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



NOTE

This operation should be disconnecting the Voice Mail system from the DCS-816 System.

PROGRAM KEYS

UP & DOWN
KEYPAD
SPK

Used to scroll through options
Used to enter selections
Used to store data and advance to next MMC

ACTION

1. Press TRSF 754
Display shows
2. Enter 1 to halt or 0 to process
OR
Press UP or DOWN to scroll the selections.
3. When you select 1 to halt, display shows:
Press 1 to confirm.
4. Display shows:
5. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC

DISPLAY

```
VM HALT
STATUS: PROC
```

```
VM HALT
STATUS: PROC
```

```
VM HALT
ARE YOU SURE?YES
```

```
VM HALT
STATUS: HALT: I
```

DEFAULT DATA

PROC

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System(SVM-400).

This MMC will generate an alarm message in the mailbox defined in MMC 751 whenever the Voice Mail disk drive reaches a threshold.

The threshold is measured in % full. This means that if the MMC is set for 80, the alarm will be generated when the disk exceeds 80% of the available drive space.

PROGRAM KEYS

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

ACTION

1. Press TRSF 755
Display shows
2. Enter new threshold level.
3. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC

DISPLAY



DEFAULT DATA

80%

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System(SVM-400).

This MMC is used to assign the Music on Hold source for the DCS-816 from a sound file located on the SVM-400 hard disk drive. The 100 available sound files are defined as numbers 5000 to 5099.

Basically SVM-400 supports various music for numbers 5000 to 5099. If you want to use default SVM-400 support music, select the number. Otherwise, make sure you record the sound file first. The next step is to assign the sound file to a SVM-400 port. For example, if you record sound file 5025 you would associate 25 with a specific SVM-400 port, e.g. 212. This will dedicate the port for use only as MOH and remove it from group 508. Now 212 will show up as a valid music source in MMC 308, 309 and 408.

Each Music on Hold source assigned here requires one SVM-400 port.

**NOTE**

If the first SVM-400 port is used for VMMOH, it must be disabled before boot up since SVM-400 and the DCS-816 use port 1 during boot up to exchange critical information. For this reason we suggest you use the last port as VMMOH ports.

PROGRAM KEYS

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

ACTION

1. Press TRSF 756
Display shows
2. Press UP or DOWN to select CADENCE port.
3. Move cursor to next field. Press UP or DOWN to select sound file.
4. Press TRSF button to store and exit
OR
Press SPK button to store and advance to next MMC

DISPLAY

```
SET VMMOH
212: Not Use
```

```
SET VMMOH
212: Not Use
```

```
SET VMMOH
212: 25
```

DEFAULT DATA

Not Use

RELATED ITEMS

None

This MMC is only used for the Samsung Voice Mail System(SVM-400).

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

PROGRAM KEYS

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

ACTION

1. Press TRSF 757
Display shows

2. Enter the CADENCE port number.
OR
Press UP or DOWN to select CADENCE port.

3. Enter the selections.
OR
Press UP or DOWN to scroll options.

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

DISPLAY

The display shows the following text in three separate screenshots:

- VM I N/OUT
209: I N/OUT

- VM I N/OUT
215: I N/OUT

- VM I N/OUT
215: MOH

DEFAULT DATA

IN

RELATED ITEMS

None

800

ENABLE TECHNICIAN PROGRAM

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

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

When the system was installed, the Country Code should have been selected using MMC 812 before any other programming was done. If this is not the case, MMC 800 will require the installer to enter the code before continuing. After selecting the code, the system restarts and all default data are changed to new data for the selected country.

PROGRAM KEYS

UP & DOWN

KEYPAD

SOFT KEYS

SPK

Used to scroll through options

Used to enter selections

Move cursor left and right

Used to store data and advance to next MMC

ACTION

1. Press TRSF 800
Display shows

2. Enter passcode

Correct code shows

Incorrect code shows

3. Enter 1 to enable or 0 to disable
OR
Press UP or DOWN to select

If not assigned any data in MMC 812, you have to select your
Country Code

The system is restarted and all MMC data is changed for
selected country

4. Press SPK to advance to MMC entry level

5. Enter the MMC desired (e.g., 210)

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

DEFAULT DATA

DISABLE

DISPLAY

ENABLE TECH. PROG
PASSCODE:

ENABLE TECH. PROG
PASSCODE: ★★☆☆

ENABLE TECH. PROG
DI SABLE ★★☆☆

ENABLE TECH. PROG
PASSCODE ERROR

ENABLE TECH. PROG
ENABLE

ENABLE TECH. PROG
SELECT COUNTRY

ENABLE TECH. PROG
NONE

ENABLE TECH. PROG
E. U.

801: TEC. PASSCODE
SELECT PROG. I D

801: TEC. PASSCODE
SELECT PROG. I D

801

CHANGE TECHNICIAN PASSCODE

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



NOTE

The passcode is four characters long. Each character can be digits 0–9. The current or “old” passcode is required for this MMC.

PROGRAM KEYS

KEYPAD
SPK

Used to enter passcodes
Save data and advance to next MMC

ACTION

1. Press TRSF 801
2. Enter new passcode
3. Enter new passcode again
4. If passcode is correct, press RIGHT soft key to continue and enter desired MMC

If passcode is incorrect

System returns to step 2

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

DISPLAY

TECH. PASSCODE
NEW CODE: _

TECH. PASSCODE
NEW CODE: ★★**

TECH. PASSCODE
VERI FY : :★★**

TECH. PASSCODE
VERI FY : SUCCESS

TECH. PASSCODE
VERI FY : FAI LURE

TECH. PASSCODE
NEW CODE: :★★**

DEFAULT DATA

Default passcode = 4321

RELATED ITEMS

MMC 800

Enable Technician Program

802

CUSTOMER ACCESS MMC NUMBER

Allows 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.

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 MMC number via dial keypad (e.g., 102)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Dial 1 for YES or 0 for NO
OR
Press UP or DOWN key to make selection and press LEFT soft key to return to step 2 to make additional entries
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

```
CUSTOMER ACCESS  
100: STN LOCK: YES
```

```
CUSTOMER ACCESS  
102: CALL FWD: YES
```

```
CUSTOMER ACCESS  
102: CALL FWD: NO
```

DEFAULT DATA

See table on next page

RELATED ITEMS

None

Customers have access (default = YES) to the following MMCs:

100	305	707
101	306	708
102	308	714
103	309	715
104	312	720
105	315	721
106	317	722
107	404	725
108	405	727
109	406	728
110	408	
111	409	
112	410	
113	414	
114	415	
115	421	
116	500	
119	502	
121	505	
201	507	
202	508	
209	600	
211	601	
214	602	
300	604	
301	606	
302	607	
303	705	
304	706	

Provides a means of setting parameters for the system I/O ports to work with one of the following:

- A personal computer
- SMDR recording
- UCD statistics report/periodic UCD information
- VM Trace for SVM-400

Programming can be accomplished easily, using the tables below to customise any I/O 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	DSR Check	DSR Check on/off

SERVICE TYPE

Dial 0	PCMMC	PCMMC
Dial 1	SMDR	SMDR
Dial 2	UCD REPT	UCD Report on request by the Supervisor, or daily
Dial 3	SMDR/UCD	Both SMDR and UCD Report will be generated
Dial 6		Not used
Dial 7	VM TRACE	Trace for SVM-400

SPEED (BPS)

Dial 1	1200
Dial 2	2400
Dial 3	4800
Dial 4	9600

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 bits
Dial 2	2 bits

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 keypad (e.g., 2)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter parameter option from the above option list via dial keypad (e.g., 1)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Enter desired value via dial keypad (e.g., 4800 baud)
OR
Press UP or DOWN key to display value 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)
BAUD: 9600 BPS

SYS I/O PORT (2)
BAUD: 4800 BPS

DEFAULT DATA

Service	Port 1	PCMMC
	Port 2	SMDR
Baud Rate	9600 bps	
Char Length	8 bits	
Parity	None	
Retry Count	03	
Stop Bit	1 bit	
Wait Time	3000 msec	
DSR Check	Off	

RELATED ITEMS

PCMMC Section
SMDR

Allows the system administrator to set the base level of TX volume and the gain control for nine time-switch connect types.

There are eight (8) volume levels which can be controlled by the VOL UP and DOWN key on the keyset. However, there are 9 possible levels in the system. With this MMC, users can select the desired eight levels.

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 UP or DOWN key to select TX LEVEL CONTROL TX GAIN CONTROL
Press RIGHT soft key to go to the volume level or TSW option

- 3a. Press RIGHT soft key to go to the volume level
OR
Press UP or DOWN key to go to next volume level

- 3b. Press RIGHT soft key to go to the TSW type
OR
Press UP or DOWN key to go to next TSW type

- 4a. Enter desired volume data via dial keypad
OR
Use UP or DOWN key to scroll data

- 4b. Press UP or DOWN key to select TSW gain data and press RIGHT soft key to go to 3b

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

DISPLAY

TX LEVEL CONTROL
LEVEL 0 → 1

TX LEVEL CONTROL
LEVEL 0 → 1

TX LEVEL CONTROL
LEVEL 1 → 2

TSW GAIN CONTROL
SLT → ATRK: 0dB

TX LEVEL CONTROL
LEVEL 1 → 3

TSW GAIN CONTROL
SLT → ATRK: +2dB

DEFAULT DATA

TX Level: 0 →0, 1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7

TSW Gain:

SLT → SLT : +0.0

SLT → ATRK : +0.0

SLT → DTRK : +0.0

ATRK → SLT : +0.0

ATRK → ATRK : +1.9

ATRK → DTRK : -6.0

DTRK → SLT : +1.9

DTRK → ATRK : +1.9

DTRK → DTRK : +0.0

RELATED ITEMS

None

Allows the pre-programming of a slot for a specific card. For example, after the system is installed and a new 8-Trunk card is added, running this program causes the system to accept the card for what it is and not for what it is not.

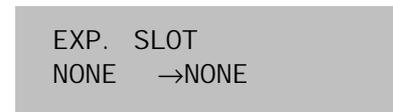
PROGRAM KEYS

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. D Press RIGHT soft key to change previous card type
3. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY



DEFAULT DATA

None

RELATED ITEMS

None

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

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
Press UP or DOWN key to scroll next volume
4. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume
5. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume
6. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume
7. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume
8. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume

DISPLAY

VOL. CONTROL: DGP
KEY TONE VOL : 1

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

VOL. CONTROL: DGP
ALC THRES. : 7

9. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume

VOL. CONTROL: DGP
TX/RX THRES. : 3

10. Press RIGHT soft key to change the volume level
OR
Press UP or DOWN key to scroll next volume

VOL. CONTROL: DGP
TX/RX COMP : 5

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

DEFAULT DATA

Key tone vol	1
Sidetone vol	1
Handset tx	3
Mic tx level	3
Noise guard	8
Noise thres.	1
Alc thres.	7
Tx/rx thres.	3
Tx/rx comp.	5

RELATED ITEMS

None

Allows system programmer to assign a LCD display based on system programming language.

0	ENGLISH
1	GERMAN
2	PORTUGAL
3	Not used
4	DANISH
5	DUTCH
6	Not used
7	SWEDISH
8	SPANISH

PROGRAM KEYS

UP & DOWN
KEYPAD
SOFT KEYS
SPK

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

ACTION

1. Press TRSF 809
Display shows
2. Enter number for language
OR
Press UP or DOWN to make selection and press RIGHT soft key
3. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

SYS. MMC ANGUAGE
ENGLI SH

SYS. MMC ANGUAGE
GERMAN

DEFAULT DATA

ENGLISH

RELATED ITEMS

Multi-Language

Used only in the event that all data processing is needed to be stopped in either a single slot 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
2. Enter slot number via dial keypad (e.g., 1)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor
OR
Press ANS/RLS to select all slots
3. 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
4. Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC

DISPLAY

HALT/PROCESSING
SLOT NO: ALL→PROC

HALT/PROCESSING
SLOT NO: 1 →PROC

HALT/PROCESSING
SLOT NO: ALL→PROC

HALT/PROCESSING
SLOT NO: 1 →HALT

DEFAULT DATA

None

RELATED ITEMS

None

811

RESET SYSTEM

Provides two methods of restarting the system. The first method restarts the system and clears 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 default status.

PROGRAM KEYS

UP & DOWN
KEYPAD

Used to scroll through options
Used to enter selections

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 confirm 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 restarted only, 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

This MMC must be run by the installer before any other programming is done.

Allows the system installer to select system software country version. After using this MMC, the installer must restart the system to make the selection effective.

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 812
Display shows
2. Press UP or DOWN key to make selection and press RIGHT soft key
3. Press UP or DOWN key to select Yes or No and press RIGHT soft key

DISPLAY

SET COUNTRY CODE UK
SET COUNTRY CODE AUSTRALI A
WARNI NG! RESTART ARE YOU SURE?YES



.....
WARNING: If you select Yes, this will restart the system.
.....

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

DEFAULT DATA

None

RELATED ITEMS

All MMC