SAMSUNG

DCS & *i*DCS

DIGITAL COMMUNICATIONS SYSTEMS

COMBINED PROGRAMMING MANUAL

for
DCS
DCS COMPACT
DCS COMPACT II
DCS-816
DCS-408
DCS-408i
*i*DCS500
*i*DCS100

SAMSUNG TELECOMS

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EN60950 ; 1992+A1+A2+A3+A4+A11

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EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996 + A1

EN61000-4-11:1997, AS/NZS3548:1995

EN60950 : 2000

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Contents

Part

Part 1. Introduction to Programming

It is strongly recommended that you read the whole of this part of the manual as it provides a useful overview of MMC programming procedures.

1.1 Using this Manual

- For a comprehensive list of available MMCs in numerical order, see section 2.1 in Part 2.
- For quick reference, Part 2 also provides a table indicating which systems can use each MMC. "Y" (Yes) in the appropriate column indicates that an MMC can be used for that system. The table also lists default settings for each MMC (for the UK only).
- To begin programming, refer to the appropriate MMC(s) in Part 3. When you select an MMC, check the header bar. This also tells you if the program is available on your system.
- When in programming, to quickly check the allowed configuration settings for your system—for example, the number of trunk group members, card port numbers, and so on—see section 2.3, System Configuration: Quick Reference, in Part 2.

1.2 Systems Covered in this Manual

This manual describes the MMC programming required for the Samsung keyphone systems listed in the following table. The table includes the name by which each system is referred to in this manual to avoid using the full name each time, and any other relevant details.

Keyphone System	Referred Name	Note
DCS	DCS	Unless otherwise stated, references to "DCS" in this manual include Compact I systems.
DCS Compact	Compact I (or CI)	See note above.
DCS Compact II	Compact II (or CII)	
DCS-816	816	
DCS-408	408	
DCS-408i	408i	
*i*DCS500 (L and M versions)	*i*DCS500	Where programming requirements are the same, the term "*i*DCS" is used in this manual to include both *i*DCS100 and *i*DCS500 systems. The term "*i*DCS500" includes both 'L' and 'M' versions, unless stated otherwise.
*i*DCS100	*i*DCS100	

Programming requirements for these system types are broadly similar, but occasionally there are differences. Not all MMCs apply to all systems, and options available in a given MMC for one system may not be available to another. Bear in mind when programming your system, therefore, that *some of the options listed for an MMC may not appear on your system*.

Users of 408 and 408i systems should also read section 1.6.4, Programming DCS-408 and 408i Systems before starting programming.

The different system types are discussed fully in the separate *Samsung General Description* manuals for each system, where these have been published.

Tenant Programming

Both *i*DCS500 and DCS (but not CI) systems support two “tenants” which can be separately programmed with different customer data. All other systems support a single tenant only.

Software Version Numbers

The features described in this manual refer to the most recent software versions. Older software versions may not contain all the features or options listed.

1.3 Programming Overview

When the keyphone system arrives from the factory it contains default data. This needs to be customised, using the MMC programs, to suit the customer’s requirements.

Each MMC (Man Machine Code) is assigned a 3-digit code, 100, 101, and so on. These MMCs are used to view, create or change customer data on a display keyphone. This is called KMMC programming.* For example, MMC 601 is used to create a station group; system speed dial numbers are entered in MMC 705; and key functions are assigned to individual keyphones (or “keysets”) using MMC 722.

* Note: PCMMC programming (not covered in this manual) refers to system programming via a PC.

1.4 Programming Levels

There are three levels of programming: System level, Customer level and Station level. System and Customer levels allow system-wide programming and are under passcode protection to restrict access. System programming is done by the system installer (or system technician), usually on a one-off basis, but also to manage any changes in the customer’s requirements. Customer programming is done by the system administrator, on a day to day basis, to manage station users’ requirements. Station level programming does not require a passcode, allowing station users to make simple changes to their keyset features.

To prevent conflicting data from being entered, only one person at a time can enter System or Customer programming. If you attempt to enter programming mode while another keyset is being used for programming, your display shows [xxx PGM MODE] where “xxx” is the keyset extension number of the station in programming mode.

While programming is in progress, normal system operation is not affected. Keyset users

1.4.1 System Level

This level is entered via MMC 800 and requires the installer's (technician's) passcode. This is the highest level and allows access to all system programs, station programs and maintenance programs. The installer (sometimes called the installing technician) also decides which programs are accessible to the customer (the system administrator) at Customer level.

- *All MMCs are accessible at this level.*

1.4.2 Customer Level

This level is entered via MMC 200 and requires the customer's passcode. It allows access to station programs and system programs permitted by the system installer in MMC 802. When the system administrator uses the customer passcode to access station programs, data for all stations can be viewed or changed. Changes can be made either system-wide or to selected keysets. (The system administrator should also refer to the *Samsung System Administration* manual for their keyphone system if this is available.)

- *Accessible MMCs at this level are designated by the installer.*

1.4.3 Station Level

The system administrator or keyset user can access certain programs at a station without using a passcode. At this level, only data for the selected station can be entered or changed. You should refer to the instructions provided in the *Samsung Keyset User Guide* for the keyset you are using.

- *Accessible MMCs at this level are nos. 100–121.*

1.5 Keysets Used for Programming

Programming may be done from any Samsung digital display (LCD) keyset. This may be a DCS (Euro) 6-button (6B), 12-button (12B) or 24-button (24B) keyset or an *i*DCS Series 28-button (28D), 18-button (18D) or 8-button (8D) keyset. (Refer to the *Samsung Keyset User Guide* for your keyset for a full description.) Two typical examples are shown below.

28-Button *i*DCS Series Keyset

24-Button DCS (Euro) Keyset

1.5.1 Soft Keys

The three keys directly below the display are called soft keys. The left-hand soft key is designated as the LEFT soft key. This key is used to save any changed data while programming, or to move the cursor to the left on the LCD.

The right-hand soft key is designated as the RIGHT soft key. This key is used to save any changed data while programming, or to move the cursor to the right in the display.

1.5.2 Other Keys

The following keys perform special functions in programming:

VOLUME UP (▲ or **+**)	Scroll up through available options*
VOLUME DOWN (▼ or **–**)	Scroll down through available options*
KEYPAD (0–9, ✱, #)	Enter data and dial options*
HOLD	Clear previous entry
ANS/RLS	Select “ALL” option (e.g. to make data apply to all, rather than selected, stations)
SPEAKER	Store data and advance to next MMC
TRANSFER (OR TRSF)	Enter programming mode, or store data and exit programming mode
SPECIAL KEYS “A–F”	Various functions as described below.

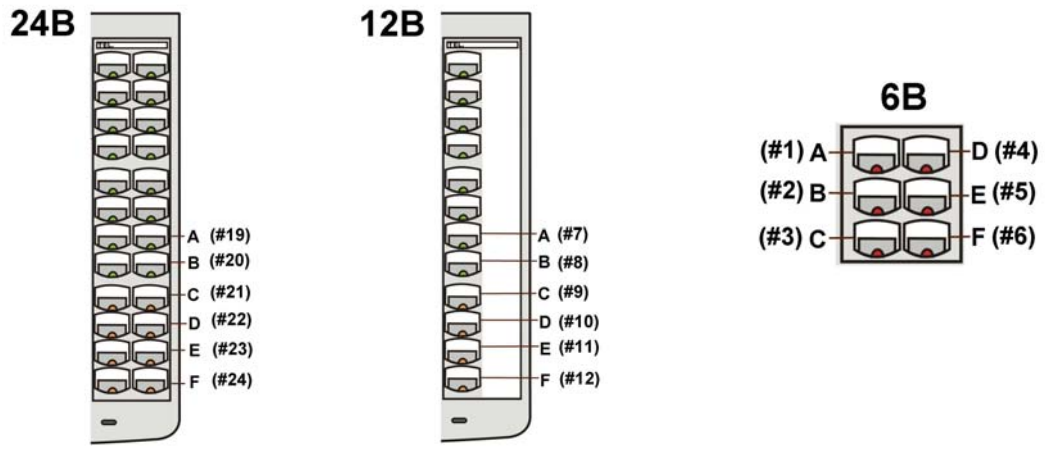
* Tip: Many MMCs allow you to select options quickly by dialling codes from the keypad. Alternatively, you can press the VOLUME keys to scroll through and select options. Use whichever method you prefer. Because dialling codes for options may vary between systems, it has not been practical to include them in all of the MMCs listed.

Special Keys “A–F”

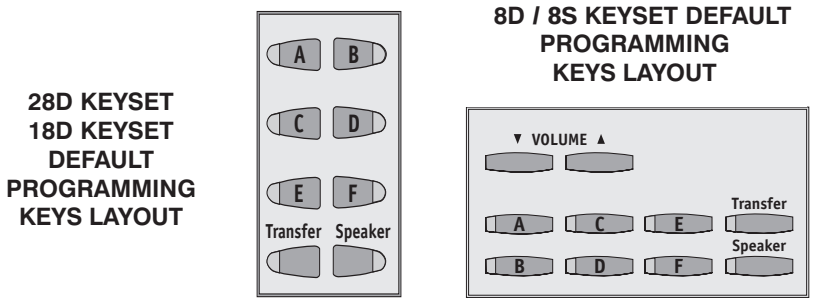
Refer to the following diagrams showing the layout of special keys A–F for different keysets. During programming, key **A** can be used when entering text, such as names and messages. It allows you to select upper or lower case text. By default, text is entered in upper case; if you press key A, any text you subsequently enter is in lower case. Press the key again and you revert to upper case, and so on. You can mix both cases in a single entry if required.

Keys **B–E** may be used in speed dial programming for inserting special dialling digits in dial strings. Key **F** may be used in certain programs—such as when setting up speed dial numbers—to go to a related program (for example, to set speed dial names associated with speed dial numbers) without the need to close one program and open the next. The A – F key options are described in the relevant MMCs.

DCS (Euro) Keysets



*i*DCS Series Keysets



1.6 Programming Procedures

1.6.1 Precautions When Programming

- The keyset must be on-hook (handset down) to allow programming.
- Programming is available on any digital keyset with an LCD.
- Programming is available only on digital telephones (not analogue ones).
- If 'INVALID DATA' appears in the LCD while programming, you should re-enter the correct data.
- When you have successfully completed an entry, the LCD automatically changes for the next step.
- Programming halts if you have not pressed a key for a certain period of time (30 seconds by default, but this can be changed).
- Programming halts if you pick up the handset while programming.
- If you pick up the handset while programming, or the telephone plug is pulled out, any new data shown in the LCD are saved.

IMPORTANT

When installing and programming a 'default' system for the first time

You should select the correct software version for your country (e.g. "UK") **before** you can do any other programming via either a keyphone (KMMC programming) or a PC (PCMMC programming). To select the country:

1. Press the Transfer / TRSF key.
2. Enter 800 followed by the default passcode (4321)

The system sounds a warning and displays on the keyset:

```
ENABLE TECH. PROG
SELECT COUNTRY
```

Use the VOLUME Up/Down keys to select the country and press the RIGHT soft key. The keyset displays:

```
DEFAULTING SYSTM
ARE YOU SURE?NO
```

Use the VOLUME Up/Down keys to select YES and press the RIGHT soft key. When defaulted to the correct version, you can open programming as described next. The country version selected can be changed in MMC 812 (Select Country).

1.6.2 Opening System or Customer Level Programming

To open programming:

1. Press the Transfer / TRSF key.
2. Enter the MMC program number 200 (for Customer level programming) or 800 (for System level programming).
3. Enter the relevant passcode.
4. Press key 1 (or use the VOLUME keys) to select 'ENABLE'.
5. Press the SPEAKER key to have the program selection mode appear (or press the Transfer / TRSF key to halt programming).
6. Enter the MMC number*, or select the program number with the VOLUME keys and press the SPEAKER key.

When you have opened system programming, you are advised to check MMC 812 (Select Country) to ensure that the correct country has been selected before you do any other programming.

Carefully follow the instructions given with each selected MMC to program your system correctly.

1.6.3 Opening Station Level Programming

To open programming:

1. Press the Transfer / TRSF key.
2. Enter the MMC program number.

You can use the MMCs described in this manual as a guide, although it is advisable to refer to the *Samsung Keyset User Guide* provided with your keyset to program it correctly.

1.6.4 Programming DCS-408 and 408i Systems

Although the 408 is physically similar to the 408i in appearance, they operate differently and may have different programming requirements and features. For example, the 408i supports ISDN whereas the 408 does not. Thus, an MMC relevant to one system may not be relevant to the other. Similarly, where an MMC relates to both systems, some features available on the 408i system may not be available on the 408 system, and vice versa. This will be indicated in the MMC description, where appropriate.

These systems also differ significantly from all other keyphone systems, both in size and physical appearance. Remember, when programming your 408 or 408i:

- Extension, group and trunk numbers are two digits by default (e.g. extension 21, trunk 71, etc). Other systems use 3- or 4- digit numbers by default (e.g. extension 201, trunk 701, etc). These numbering plans may be changed using MMC 724.

- You can set up to four ‘Normal’ station groups in MMC 601. Other group types are not permitted.

- Only two trunk groups, 8 and 9, are available.

Part 2. Program MMC List & Default Data

2.1 Program (MMC) List

100:	STATION LOCK	315:	SET RELOCATION
101:	CHANGE USER PASSCODE	316:	COPY STATION USABLE
102:	CALL FORWARD	317:	ASSIGN STATION/STATION USE
103:	SET ANSWER MODE	318:	DISTINCTIVE RING
104:	STATION NAME	319:	BRANCH GROUP
105:	STATION SPEED DIAL	320:	PRESET FORWARD NO ANSWER
106:	STATION SPEED DIAL NAME	321:	KEYSET TYPE
107:	KEY EXTENDER	323:	SEND CLIP NUMBER
108:	STATION STATUS	400:	CUSTOMER ON/OFF PER TRUNK
109:	DATE DISPLAY	401:	CO/PBX LINE
110:	STATION ON/OFF	402:	TRUNK DIAL TYPE
111:	KEYSET RING TONE	403:	TRUNK TOLL CLASS
112:	ALARM REMINDER	404:	TRUNK NAME
113:	VIEW MEMO NUMBER	405:	TRUNK NUMBER
114:	STATION VOLUME	406:	TRUNK RING ASSIGNMENT
115:	SET PROGRAMMED MESSAGE	407:	FORCED TRUNK RELEASE
116:	ALARM AND MESSAGE	408:	ASSIGN TRUNK MUSIC ON HOLD SOURCE
119:	SET CLIP DISPLAY	409:	TRUNK STATUS READ
121:	KEYSET LANGUAGE	410:	ASSIGN DISA TRUNK
122:	SPOT INFOSPD	411:	ASSIGN E1 SIGNAL TYPE
200:	OPEN CUSTOMER PROGRAMMING	412:	ASSIGN TRUNK SIGNAL
201:	CHANGE CUSTOMER PASSCODE	413:	VMS CALL TYPE
202:	CHANGE FEATURE PASSCODES	414:	MPD/PRS SIGNAL
203:	ASSIGN UA DEVICE	415:	REPORT TRUNK ABANDON DATA
204:	COMMON BELL CONTROL	416:	ASSIGN AC15 TRANSLATION (DCS, CII) ASSIGN E&M DID RINGDOWN (*i*DCS)
205:	ASSIGN LOUD BELL		
206:	BARGE-IN TYPE	417:	E1/PRI CRC4 OPTION
207:	ASSIGN VM/AA PORT	418:	CARD RESTART
208:	ASSIGN RING TYPE	419:	BRI OPTIONS
209:	ASSIGN ADD-ON MODULE	420:	PRI OPTIONS
210:	CUSTOMER ON/OFF	421:	MSN DIGIT
211:	DOOR RING ASSIGNMENT	422:	ASSIGN TRUNK COS
212:	ALARM RINGING STATION	423:	S/T MODE
213:	ALARM MESSAGE	424:	S0 MAPPING
214:	DISA ALARM RINGING STATION	426:	TRUNK GAIN CONTROL
215:	VOICE DIALLER OPTIONS	427:	R2MFC SIGNAL
216:	VOICE DIALLER ASSIGNMENTS	428:	ASSIGN TRUNK/TRUNK USE
217:	TRAFFIC REPORT PRINTOUT (*i*DCS) CCC OPTION (Compact I)	433:	TRUNK COST RATE
		434:	CONNECTION STATUS
219:	COMMON RELAY SERVICE TYPE	500:	SYSTEM-WIDE COUNTERS
220:	ISDN SERVICE TYPE	501:	SYSTEM-WIDE TIMERS
221:	EXTENSION TYPE (Hotel Application)	502:	STATION-WIDE TIMERS
222:	FAX PAIR (Hotel Application)	503:	TRUNK-WIDE TIMERS
224:	WAKE-UP ANNOUNCEMENT (Hotel Application)	504:	PULSE MAKE/BREAK RATIO
300:	CUSTOMER ON/OFF PER STATION	505:	ASSIGN DATE AND TIME
301:	ASSIGN STATION COS	506:	TONE CADENCE
302:	PICKUP GROUPS	507:	ASSIGN RING PLAN TIME (*i*DCS) ASSIGN AUTO NIGHT TIME (Other systems)
303:	ASSIGN BOSS/SECRETARY		
304:	ASSIGN STATION/TRUNK USE	508:	CALL COST
305:	ASSIGN FORCED CODE	509:	C.O. TONE CADENCE
306:	HOT LINE	510:	SLI RING CADENCE
308:	ASSIGN BACKGROUND MUSIC SOURCE	511:	MW LAMP CADENCE
309:	ASSIGN STATION MUSIC ON HOLD	512:	ASSIGN HOLIDAY
310:	LCR CLASS OF SERVICE	513:	HOTEL TIMERS
311:	ASSIGN SIM PARAMETER	514:	TONE SOURCE
312:	ALLOW CLIP	515:	DAYLIGHT ASSIGNMENT
313:	ASSIGN PIN CODE	600:	ASSIGN OPERATOR GROUP
314:	CONFIRM OUTGOING CALL	601:	ASSIGN STATION GROUP

602:	STATION GROUP NAME	747:	RATE CALCULATION TABLE
603:	ASSIGN TRUNK GROUP	750:	VM CARD RESTART
604:	ASSIGN STATION TO PAGE ZONE	751:	ASSIGN MAILBOX
605:	ASSIGN EXTERNAL PAGE ZONE	752:	AUTO RECORD
606:	ASSIGN SPEED BLOCK	753:	WARNING DESTINATION
607:	UCD OPTIONS	754:	VM HALT
608:	ASSIGN CLIP REVIEW BLOCK	755:	VM ALARM
609:	CALL LOG BLOCK	756:	ASSIGN VM MOH
700:	COPY COS CONTENTS	757:	VM IN/OUT
701:	ASSIGN COS CONTENTS	758:	VM DAY/NIGHT
702:	TOLL DENY TABLE	760:	ITEM COST TABLE (Hotel Application)
703:	TOLL ALLOWANCE TABLE	761:	TAX RATE SETUP (Hotel Application)
704:	ASSIGN WILD CHARACTER	762:	ROOM COST RATE (Hotel Application)
705:	ASSIGN SYSTEM SPEED DIAL	800:	ENABLE TECHNICIAN PROGRAM
706:	SYSTEM SPEED DIAL BY NAME	801:	CHANGE TECHNICIAN PASSCODE
707:	AUTHORISATION CODE	802:	CUSTOMER ACCESS MMC NUMBER
708:	ACCOUNT CODE	803:	ASSIGN TENANT GROUP
709:	TOLL PASS CODE	804:	SYSTEM I/O PARAMETER
710:	LCR DIGIT TABLE	805:	TX LEVEL & GAIN
711:	LCR TIME TABLE	806:	CARD PRE-INSTALL
712:	LCR ROUTE TABLE	807:	VOLUME CONTROL
713:	LCR MODIFY DIGIT TABLE	808:	T1 TRUNK CODING
714:	DDI NUMBER & NAME TRANSLATION	809:	SYSTEM MMC LANGUAGE
715:	PROGRAMMED STATION MESSAGE	810:	HALT PROCESSING
716:	UK LCR OPTION	811:	RESET SYSTEM
717:	UCD AGENT ID (*i*DCS) PIN CODE (Compact I)	812:	SELECT COUNTRY
		813:	HOTEL OPERATION (Hotel Application)
718:	MY AREA CODE	815:	CUSTOMER DATABASE COPY
720:	COPY KEY PROGRAMMING	818:	PROGRAM DOWNLOAD
721:	SAVE STATION KEY PROGRAMMING	819:	SM FILE CONTROL
722:	STATION KEY PROGRAMMING	820:	ASSIGN SYSTEM LINK ID
723:	SYSTEM KEY PROGRAMMING	821:	ASSIGN NETWORKING TRUNK
724:	DIAL NUMBERING PLAN	823:	ASSIGN NETWORKING COS
725:	SMDR OPTIONS	824:	NETWORK DIAL TRANSLATION
726:	VM/AA OPTIONS	825:	ASSIGN NETWORKING OPTIONS
727:	SYSTEM VERSION DISPLAY	826:	ASSIGN SYSTEM CLOCK SOURCE
728:	CLIP TRANSLATION TABLE	829:	LAN PRINTER
730:	AA GAIN	830:	ETHERNET PARAMETERS
731:	AA RAM CLEAR	831:	VoIP PARAMETERS
732:	AA TRANSLATION TABLE	832:	VoIP CODE
733:	AA PLAN TABLE	833:	VoIP IP TABLE
734:	AA MESSAGE MATCH	834:	VoIP OPTION
735:	AA USE TABLE	835:	VoIP DSP OPTION
736:	ASSIGN AA MOH	836:	VoIP GK OPTION
737:	DECT SYSTEM CODE	850:	SYSTEM RESOURCE DISPLAY
738:	DECT CLEAR REGISTRATION	851:	ALARM REPORT
739:	BSI DOWNLOAD	852:	ASSIGN SYSTEM ALARMS
740:	STATION PAIR	853:	MAINTENANCE BUSY
741:	BSI CARD RESTART	854:	DIAGNOSTIC TIME
742:	BSI STATUS	855:	SYSTEM OPTIONS
743:	DBS STATUS	856:	PROGRAMMING LOGS
744:	DECT REGISTRATION ON/OFF	858:	ASSIGN SYSTEM EMERGENCY ALARM
745:	BSI CARRIER	859:	HARDWARE VERSION DISPLAY
746:	COSTING DIAL PLAN	860:	UCD VIEW SERVICE

2.2 Default Data (UK)

Station Programs

NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	DEFAULT
100:	STATION LOCK	Y	Y	Y	Y	Y	Y	Y	ALL STATIONS UNLOCKED
101:	CHANGE USER PASSCODE	Y	Y	Y	Y	Y	Y	Y	ALL STATION PASS-CODES=1234
102:	CALL FORWARD	Y	Y	Y	Y	Y	Y	Y	ALL STATION=0 (FWD CAN-CEL)
103:	SET ANSWER MODE	Y	Y	Y	Y	Y	Y	Y	ALL KEYSETS 'RING' RING FREQUENCY DEFAULT=5
104:	STATION NAME	Y	Y	Y	Y	Y	Y	Y	NONE
105:	STATION SPEED DIAL	Y	Y	Y	Y	Y	Y	Y	NONE
106:	STATION SPEED DIAL NAME	Y	Y	Y	Y	Y	Y	Y	NONE
107:	KEY EXTENDER	Y	Y	Y	Y	Y	Y	Y	NONE
108:	STATION STATUS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 108
109:	DATE DISPLAY	Y	Y	Y	Y	Y	Y	Y	COUNTRY: WESTERN CLOCK: 24-HOUR DISPLAY: LOWERCASE
110:	STATION ON/OFF	Y	Y	Y	Y	Y	Y	Y	SEE MMC 110
111:	KEYSET RING TONE	Y	Y	Y	Y	Y	Y	Y	SELECTION=5
112:	ALARM REMINDER	Y	Y	Y	Y	Y	Y	Y	ALARMS SET TO NOTSET
113:	VIEW MEMO NUMBER	Y	Y	Y	Y	Y	Y	Y	NO MEMOS ENTERED
114:	STATION VOLUME	Y	Y	Y	Y	Y	Y	Y	RING VOL: 4 OFF HOOK RING VOL: 4 HANDSET VOL: 4 SPEAKER VOL: 13 BGM VOL: 13 PAGE VOL: 13
115:	SET PROGRAMMED MESSAGE	Y	Y	Y	Y	Y	Y	Y	NO MESSAGES SELECTED
116:	ALARM AND MESSAGE	Y	Y	Y	Y	Y	Y	Y	ALARMS SET TO NOTSET
119:	CLIP DISPLAY	Y	Y	Y	N	Y	Y	Y	NUMBER FIRST
121:	KEYSET LANGUAGE	Y	Y	Y	Y	Y	Y	Y	ENGLISH
122:	SPOT INFOSPD	N	N	N	N	N	Y	N	0300 mS

System Programs

NO.	NAME	DCS	CII	816	408	408i	*i*DCS500	*i*DCS100	DEFAULT
200:	OPEN CUSTOMER PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	DISABLE (CLOSED) PASSCODE=1234
201:	CHANGE CUSTOMER PASSCODE	Y	Y	Y	Y	Y	Y	Y	PASSCODE =1234
202:	CHANGE FEATURE PASSCODES	Y[1]	Y	Y	Y	Y	Y	Y	SEE MMC 202
203:	ASSIGN UA DEVICE	Y	Y	Y	Y	Y	Y	Y	NONE
204:	COMMON BELL CONTROL	Y	Y	Y	Y	Y	Y	Y	CONTINUOUS
205:	ASSIGN LOUD BELL	Y	Y	Y	Y	Y	Y	Y	UNASSIGNED
206:	BARGE-IN TYPE	Y	Y	Y	Y	Y	Y	Y	NO BARGE IN
207:	ASSIGN VM/AA PORT	Y	Y	Y	Y	Y	Y	Y	NORMAL PORT
208:	ASSIGN RING TYPE	Y	Y	Y	Y	Y	Y	Y	ICM RING
209:	ASSIGN ADD-ON MODULE	Y	Y	Y	N	N	Y	Y	NONE FOR MASTER
210:	CUSTOMER ON/OFF	Y	Y	Y	Y	Y	Y	Y	SEE MMC 210
211:	DOOR RING ASSIGNMENT	Y	Y	Y	Y	Y	Y	Y	STATION GROUP 500 (or 50)
212:	ALARM RINGING STATION	Y[1]	Y	N	N	N	N	Y	ALL SENSORS RING 500
213:	ALARM MESSAGE	Y[1]	Y	N	N	N	N	Y	NONE
214:	DISA ALARM RINGING STATION	Y	Y	Y	Y	Y	Y	Y	500 (or 50)
215:	VOICE DIALLER OPTIONS	Y	Y	N	N	N	Y	Y	2CH-7USER-20BIN
216:	VOICE DIALLER ASSIGNMENTS	Y	Y	N	N	N	Y	Y	NONE
217:	TRAFFIC REPORT OPT *or* CCC OPTION	N CI only	N N	N N	N N	N N	Y N	Y N	NO REPORT NONE
219:	COMMON RELAY SERVICE TYPE	N	Y	Y	Y	Y	N	Y	EXTERNAL PAGE
220:	ISDN SERVICE TYPE	Y	Y	Y	N	Y	Y	Y	VOICE
221:	EXTENSION TYPE	Y[1]	Y	N	N	N	Y	Y	NORMAL STATION
222:	FAX PAIR	Y	Y	N	N	N	Y	Y	NONE
224:	WAKE-UP ANNOUNCEMENT	N	N	N	N	N	Y	N	NONE
300:	CUSTOMER ON/OFF PER STATION	Y	Y	Y	Y	Y	Y	Y	STN CALL PRT : OFF FWD DLY USE : OFF FWD OVERRIDE: OFF RCL TO OPER.: OFF (OTHERS SET ON)
301:	ASSIGN STATION COS	Y	Y	Y	Y	Y	Y	Y	COS 1
302:	PICKUP GROUPS	Y	Y	Y	Y	Y	Y	Y	ALL STATIONS GROUP 1
303:	ASSIGN BOSS/SECRETARY	Y	Y	Y	Y	Y	Y	Y	NONE
304:	ASSIGN STATION / TRUNK USE	Y	Y	Y	Y	Y	Y	Y	DIAL = YES ANS = YES

[1] Note: Does not include Compact I systems

NO.	NAME	DCS	CII	816	408	408i	*i*DCS500	*i*DCS100	DEFAULT
305:	ASSIGN FORCED CODE	Y	Y	Y	Y	Y	Y	Y	NONE
306:	HOT LINE	Y	Y	Y	Y	Y	Y	Y	NONE
308:	ASSIGN BACKGROUND MUSIC SOURCE	Y	Y	Y	Y	Y	Y	Y	NONE
309:	ASSIGN STATION MUSIC ON HOLD	Y	Y	Y	Y	Y	Y	Y	NONE
310:	LCR CLASS OF SERVICE	Y	Y	Y	Y	Y	Y	Y	LEAST COST ROUTING COS 1
311:	ASSIGN SIM PARAMETER	Y[1]	N	N	N	N	N	N	SEE MMC 311
312:	ALLOW CLIP	Y	Y	Y	N	Y	Y	Y	RCV=YES, SEND=YES, INFO=CO Tel
313:	ASSIGN PIN CODE	CI Only	N	N	N	N	N	N	ALL STATIONS ARE CODE #1
314:	CONFIRM OUTGOING CALL	Y[1]	Y	Y	Y	Y	Y	Y	NONE
315:	SET RELOCATION	Y[1]	Y	Y	Y	Y	Y	Y	NONE
316:	COPY STATION USABLE	Y[1]	Y	Y	N	N	Y	Y	NONE
317:	ASSIGN STATION / STATION USE	Y[1]	Y	Y	N	N	Y	Y	DIAL=YES
318:	DISTINCTIVE RING	Y	Y	Y	Y	Y	Y	Y	T=F-STN, C=F-STN
319:	BRANCH GROUP	–	–	–	–	–	–	–	NOT USED IN UK
320:	PRESET FORWARD NO ANSWER	N	N	N	N	N	Y	Y	NONE
321:	KEYSET TYPE	N	N	N	N	N	Y	N	NON-DISPLAY
323:	SEND CLIP NUMBER	N	N	N	N	N	Y	Y	NONE
400:	CUSTOMER ON/OFF PER TRUNK	Y	Y	Y	Y	Y	Y	Y	SEE MMC 400
401:	C.O./PBX LINE	Y	Y	Y	Y	Y	Y	Y	ALL TRUNKS C.O. LINE
402:	TRUNK DIAL TYPE	Y	Y	Y	Y	N	Y	Y	ALL TRUNKS DTMF
403:	TRUNK TOLL CLASS	Y	Y	Y	Y	Y	Y	Y	ALL TRUNKS F-STN
404:	TRUNK NAME	Y	Y	Y	Y	Y	Y	Y	NO NAMES ENTERED
405:	TRUNK NUMBER	Y	Y	Y	Y	Y	Y	Y	NO NUMBERS ENTERED
406:	TRUNK RING ASSIGNMENT	Y	Y	Y	Y	Y	Y	Y	ALL TRUNKS: 500 (or 50)
407:	FORCED TRUNK RELEASE	Y	Y	Y	Y	Y	Y	Y	NONE
408:	ASSIGN TRUNK MUSIC-ON- HOLD SOURCE	Y	Y	Y	Y	Y	Y	Y	TONE
409:	TRUNK STATUS READ	Y	Y	Y	Y	Y	Y	Y	FOLLOWS TRUNK
410:	ASSIGN DISA TRUNK	Y	Y	Y	Y	Y	Y	Y	SEE MMC 410
411:	ASSIGN E1 SIGNAL TYPE	–	–	–	–	–	–	–	NOT USED IN UK
412:	ASSIGN TRUNK SIGNAL	Y	Y	N	N	N	Y	Y	IMMEDIATE START
413:	VMS CALL TYPE	N	Y	N	N	N	Y	Y	AP/AT/VM=NO, AA=YES
414:	MPD/PRS SIGNAL	Y	Y	Y	Y	N	Y	Y	NONE

[1] Note: Does not include Compact I systems

NO.	NAME	DCS	CII	816	408	408i	*i*DCS500	*i*DCS100	DEFAULT
415:	REPORT TRUNK ABANDON DATA	Y	Y	Y	N	Y	Y	Y	REPORT=YES
416:	ASSIGN AC15 TRANS *or* ASSIGN E&M/DID R/D	Y N	Y N	N N	N N	N N	N Y	N Y	UNUSE DID TRANS FOLLOW INCOM DGT
417:	E1/PRI CRC4 OPTION	Y	Y	N	N	N	Y	Y	CRC4 ON
418:	CARD RESTART	Y	Y	Y	N	Y	Y	Y	NONE
419:	BRI OPTIONS	Y	Y	Y	N	Y	Y	Y	SEE MMC 419
420:	PRI OPTIONS	Y[1]	Y	N	N	N	Y	Y	SEE MMC 420
421:	MSN DIGIT	Y	Y	Y	N	Y	Y	Y	NONE
422:	ASSIGN TRUNK COS	Y	Y	Y	Y	Y	Y	Y	COS 1
423:	S/T MODE	Y	Y	Y	N	Y	Y	Y	TRUNK
424:	S0 MAPPING	Y	Y	Y	N	Y	Y	Y	NONE
426:	TRUNK GAIN CONTROL	Y[1]	Y	Y	Y	Y	Y	Y	RX=+0.0 dB, TX=+0.0 dB
427:	R2MFC SIGNAL	–	–	–	–	–	–	–	NOT USED IN UK
428:	ASSIGN TRUNK/TRUNK USE	Y[1]	Y	Y	N	N	Y	Y	DIAL=YES
433:	TRUNK COST RATE	Y	Y	N	N	N	Y	Y	ALL RATES ASSIGNED
434:	CONNECTION STATUS	N	N	N	N	N	Y	Y	NONE
500:	SYSTEM-WIDE COUNTERS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 500
501:	SYSTEM-WIDE TIMERS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 501
502:	STATION-WIDE TIMERS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 502
503:	TRUNK-WIDE TIMERS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 503
504:	PULSE MAKE/BREAK RATIO	Y	Y	Y	Y	N	Y	Y	MAKE/BREAK = 33 PULSES PER SECOND = 10
505:	ASSIGN DATE AND TIME	Y	Y	Y	Y	Y	Y	Y	FOLLOWS S/W VERSION RELEASE DATE
506:	TONE CADENCE	Y	Y	Y	Y	Y	Y	Y	SEE MMC 506
507:	ASSIGN AUTO NIGHT TM *or* ASSIGN RING PLAN TM	Y N	Y N	Y N	Y N	Y N	N Y	N Y	NONE NONE
508:	CALL COST	Y	Y	Y	Y	Y	Y	Y	UNIT COST PER MP: 200 CALL COST RATE: 100%
509:	C.O. TONE CADENCE	CI only	N	N	N	N	N	N	SEE MMC 509
510:	SLI RING CADENCE	Y	Y	Y	Y	Y	Y	Y	SEE MMC 510
511:	MW LAMP CAD	Y[1]	Y	N	N	N	Y	Y	ON: 1000MS, OFF: 1000MS
512:	ASSIGN HOLIDAY	Y[1]	Y	Y	Y	Y	Y	Y	SEE MMC 512
513:	HOTEL TIMERS	Y[1]	Y	N	N	N	Y	Y	NONE
514:	TONE SOURCE	N	N	N	N	N	Y	N	TONE
515:	DAYLIGHT ASSIGNMENT	N	N	N	N	N	Y	Y	NONE
600:	ASSIGN OPERATOR GROUP	Y	Y	Y	Y	Y	Y	Y	500 (or 50)
601:	ASSIGN STATION GROUP	Y	Y	Y	Y	Y	Y	Y	SEE MMC 601
602:	STATION GROUP NAME	Y	Y	Y	Y	Y	Y	Y	NONE

[1] Note: Does not include Compact I systems

NO.	NAME	DCS	CII	816	408	408i	*i*DCS500	*i*DCS100	DEFAULT
603:	ASSIGN TRUNK GROUP	Y	Y	Y	Y	Y	Y	Y	MODE=SEQUENTIAL
604:	ASSIGN STATION TO PAGE ZONE	Y	Y	Y	Y	Y	Y	Y	SEE MMC 604
605:	ASSIGN EXTERNAL PAGE ZONE	Y	Y	Y	Y	Y	Y	Y	NONE
606:	ASSIGN SPEED BLOCK	Y	Y	Y	Y	Y	Y	Y	SEE MMC 606
607:	UCD OPTIONS	Y	Y	Y	N	N	Y	Y	SEE MMC 607
608:	ASSIGN CLIP REVIEW BLOCK	Y	Y	Y	N	Y	Y	Y	ONE BLOCK OF 10 NOS
609:	CALL LOG BLOCK	N	N	N	N	N	Y	Y	ONE BLOCK OF 10 NOS
700:	COPY COS CONTENTS	Y	Y	Y	Y	Y	Y	Y	NONE
701:	ASSIGN COS CONTENTS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 701
702:	TOLL DENY TABLE	Y	Y	Y	Y	Y	Y	Y	ALL ENTRIES=0
703:	TOLL ALLOWANCE TABLE	Y	Y	Y	Y	Y	Y	Y	ALL ENTRIES=0
704:	ASSIGN WILD CHARACTER	Y	Y	Y	Y	Y	Y	Y	X = ALL 1 Y, Z = ALL 0
705:	ASSIGN SYSTEM SPEED DIAL	Y	Y	Y	Y	Y	Y	Y	NONE
706:	SYSTEM SPEED DIAL BY NAME	Y	Y	Y	Y	Y	Y	Y	NO NAMES
707:	AUTHORISATION CODE	Y	Y	Y	Y	Y	Y	Y	NONE
708:	ACCOUNT CODE	Y	Y	Y	Y	Y	Y	Y	NONE
709:	TOLL PASS CODE	Y	Y	Y	Y	Y	Y	Y	NONE
710:	LCR DIGIT TABLE	Y	Y	Y	Y	Y	Y	Y	DEPENDS ON S/W VER-SION
711:	LCR TIME TABLE	Y	Y	Y	Y	Y	Y	Y	SEE MMC 711
712:	LCR ROUTE TABLE	Y	Y	Y	Y	Y	Y	Y	SEE MMC 712
713:	LCR MODIFY DIGIT TABLE	Y	Y	Y	Y	Y	Y	Y	DEPENDS ON S/W VER-SION
714:	DDI NUMBER AND NAME TRANSLATION	Y	Y	Y	N	Y	Y	Y	SEE MMC 714
715:	PROGRAMMED STATION MESSAGE	Y	Y	Y	Y	Y	Y	Y	10 PRE-PROGRAMMED
716:	UK LCR OPTIONS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 716
717:	UCD AGENT ID *or* PIN CODE	N CI only	N N	N N	N N	N N	Y N	Y N	NONE NONE
718:	MY AREA CODE	–	–	–	–	–	–	–	NOT USED IN UK
720:	COPY KEY PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	NONE
721:	SAVE STATION KEY PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	RESTORE
722:	STATION KEY PRO-GRAMMING	Y	Y	Y	Y	Y	Y	Y	SEE MMC 722
723:	SYSTEM KEY PRO-GRAMMING	Y	Y	Y	Y	Y	Y	Y	SEE MMC 723
724:	DIAL NUMBERING PLAN	Y	Y	Y	Y	Y	Y	Y	SEE MMC 724
725:	SMDR OPTIONS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 725

NO.	NAME	DCS	CII	816	408	408i	*i*DCS500	*i*DCS100	DEFAULT
726:	VM/AA OPTIONS	Y	Y	Y	Y	Y	Y	Y	SEE MMC 726
727:	SYSTEM VERSION DISPLAY	Y	Y	Y	Y	Y	Y	Y	INSTALLED CARD VERSIONS
728:	CLIP TRANSLATION TABLE	Y	Y	Y	N	Y	Y	Y	NONE
730:	AA GAIN	Y[1]	Y	Y	N	N	Y	Y	+0.0 dB
731:	AA RAM CLEAR	Y[1]	Y	Y	N	N	Y	Y	NONE
732:	AA TRANSLATION TABLE	Y[1]	Y	Y	N	N	Y	Y	SEE MMC 732
733:	AA PLAN TABLE	Y[1]	Y	Y	N	N	Y	Y	SEE MMC 733
734:	AA MESSAGE MATCH	Y[1]	Y	Y	N	N	Y	Y	MSG INDEX NO.
735:	AA USE TABLE	Y[1]	Y	Y	N	N	Y	Y	PLAN 01
736:	ASSIGN AA MOH	Y[1]	Y	Y	N	N	Y	Y	NOT USE
737:	DECT SYSTEM CODE	Y	Y	N	N	N	Y	Y	AUTH CODE: FFFF SYSTEM ID: 000
738:	DECT CLEAR REGISTRATION	Y	Y	N	N	N	Y	Y	FORCED MODE
739:	BSI DOWNLOAD	Y	Y	N	N	N	N	N	NONE
740:	STATION PAIR	Y	Y	Y	N	N	Y	Y	NONE
741:	BSI CARD RESTART	Y	Y	N	N	N	Y	Y	NONE
742:	BSI STATUS	Y	Y	N	N	N	Y	Y	NONE
743:	DBS STATUS	Y	Y	N	N	N	Y	Y	NONE
744:	DECT REGISTRATION ON/OFF	Y	Y	N	N	N	Y	Y	DISABLE
745:	BSI CARRIER	Y	Y	N	N	N	Y	Y	1111111111
746:	COSTING DIAL PLAN	N	N	N	N	N	Y	Y	NONE
747:	RATE CALCULATION TABLE	Y	Y	N	N	N	Y	Y	NONE
750:	VM CARD RESTART	Y[1]	Y	N	N	N	Y	Y	DOWNLOAD=YES CARD RESTART=NO
751:	ASSIGN MAILBOX	Y[1]	Y	N	N	N	Y	Y	ALL STN=YES, ALL GRP=NO
752:	AUTO RECORD	Y[1]	Y	N	N	N	Y	Y	MB=NONE, PORT=NONE CALL=I
753:	WARNING DESTINATION	Y[1]	Y	N	N	N	Y	Y	DEST=500
754:	VM HALT	Y[1]	Y	N	N	N	Y	Y	NONE
755:	VM ALARM	Y[1]	Y	N	N	N	Y	Y	THRESHOLD=80%
756:	ASSIGN VM MOH	Y[1]	Y	N	N	N	Y	Y	NOT USE
757:	VM IN/OUT	Y[1]	Y	N	N	N	Y	Y	IN/OUT
758:	VM DAY/NIGHT	N	N	N	N	N	Y	Y	ALL RING PLANS=DAY
760:	ITEM COST	Y[1]	Y	N	N	N	Y	Y	NONE
761:	TAX RATE SETUP	Y[1]	Y	N	N	N	Y	Y	ALL RATES=%
762:	ROOM COST RATE	Y[1]	Y	N	N	N	Y	Y	ALL RATES=100%
800:	ENABLE TECHNICIAN PROGRAM	Y	Y	Y	Y	Y	Y	Y	DISABLE (CLOSED)

[1] Note: Does not include Compact I systems

NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	DEFAULT
801:	CHANGE TECHNICIAN PASSCODE	Y	Y	Y	Y	Y	Y	Y	DEFAULT PASSCODE = 4321
802:	CUSTOMER ACCESS MMC NUMBER	Y	Y	Y	Y	Y	Y	Y	SEE MMC 802
803:	ASSIGN TENANT GROUP	Y[1]	N	N	N	N	Y	N	ALL ASSIGNMENTS TEN. 1
804:	SYSTEM I/O PARAMETER	Y	Y	Y	Y	Y	Y	Y	SEE MMC 804
805:	TX LEVEL AND GAIN	Y	Y	Y	Y	Y	Y	Y	SEE MMC 805
806:	CARD PRE-INSTALL	Y	Y	Y	N	N	Y	Y	NONE
807:	VOLUME CONTROL	Y	Y	Y	Y	Y	Y	Y	SEE MMC 807
808:	T1 TRUNK CODING	–	–	–	–	–	–	–	NOT USED IN UK
809:	SYSTEM MMC LANGUAGE	Y[1]	Y	Y	Y	Y	Y	Y	ENGLISH
810:	HALT PROCESSING	Y	Y	Y	N	N	Y	Y	NONE
811:	RESET SYSTEM	Y	Y	Y	Y	Y	Y	Y	NONE
812:	SELECT COUNTRY	Y	Y	Y	Y	Y	Y	Y	NONE
813:	HOTEL OPERATION	N	N	N	N	N	Y	Y	DISABLE
815:	CUSTOMER DATABASE COPY	N	N	N	N	N	Y	Y	NO DAILY SAVE
818:	PROGRAM DOWNLOAD	N	N	N	N	N	Y	Y	NONE
819:	SM FILE CONTROL	N	N	N	N	N	Y	N	NONE
820:	ASSIGN SYSTEM LINK ID	N	N	N	N	N	Y	Y	NONE
821:	ASSIGN NETWORKING TRUNK	N	N	N	N	N	Y	Y	NORMAL
823:	ASSIGN NETWORKING COS	N	N	N	N	N	Y	Y	SEE MMC 823
824:	NETWORK DIAL TRANSLATION	N	N	N	N	N	Y	Y	NONE
825:	ASSIGN NETWORKING OPTIONS	N	N	N	N	N	Y	Y	SEE MMC 825
826:	ASSIGN SYSTEM CLOCK SOURCE	N	N	N	N	N	Y	N	SEE MMC 826
829:	LAN PRINTER	N	N	N	N	N	Y	Y	SEE MMC 829
830:	ETHERNET PARAMETERS	N	N	N	N	N	Y	Y	SEE MMC 830
831:	VOIP PARAMETERS	N	N	N	N	N	Y	Y	SEE MMC 831
832:	VoIP CODE	N	N	N	N	N	Y	Y	SEE MMC 832
833:	VoIP IP ADDRESS	N	N	N	N	N	Y	Y	TB(00)ENTRY(00)=1.1.1.1 OTHERS=0.0.0.0
834:	VoIP OPTION	N	N	N	N	N	Y	Y	SEE MMC 834
835:	VoIP DSP OPTION	N	N	N	N	N	Y	Y	SEE MMC 835
836:	VoIP GK OPTION	N	N	N	N	N	Y	Y	SEE MMC 836
850:	SYSTEM RESOURCE DISPLAY	N	N	N	N	N	Y	Y	NONE
851:	ALARM REPORT	N	N	N	N	N	Y	Y	ALARM BUFFER OVERWRITTEN

[1] Note: Does not include Compact I systems

NO.	NAME	DCS	CII	816	408	408i	*i*DCS500	*i*DCS100	DEFAULT
852:	ASSIGN SYSTEM ALARMS	N	N	N	N	N	Y	Y	ALL ALARMS OFF
853:	MAINTENANCE BUSY	N	N	N	N	N	Y	Y	ALL IDLE
854:	DIAGNOSTIC TIME	N	N	N	N	N	Y	Y	NONE
855:	SYSTEM OPTIONS	N	N	N	N	N	Y	N	NONE
856:	PROGRAMMING LOGS	N	N	N	N	N	Y	Y	NONE
858:	ASSIGN SYSTEM EMERGENCY ALARM	N	N	N	N	N	Y	Y	ALL ALARMS OFF
859:	HARDWARE VERSION DISPLAY	N	N	N	N	N	Y	N	FOLLOWS H/W VERSIONS
860:	UCD VIEW SERVICE	N	N	N	N	N	Y	Y	UCD VIEW SERVICE = DISABLE SEND AGENT STATE=YES

2.3 System Configuration: Quick Reference

Description	DCS	Compact I	Compact II	816	408	408i	*i*DCS500*	*i*DCS100
AA card port numbers	3951–8	3951–6	381–6[1]	381–4	N/A	N/A	3951–8	381–6[1]
AA Translation Tables max. entries	100 (tables 1 & 2)	100 (tables 1 & 2)	100 (tables 1 & 2)	50 (tables 1 & 2)	N/A	N/A	100 (tables 1–12)	100 (tables 1–12)
Account codes	500	250	200	200	100	100	999 (500)	500
Authorisation codes	250	100	100	30	10	10	500 (250)	250
BGM port numbers	3701–3719	371–2	371–2	371–2	371	371	3701–3706	371–2
CALL keys (max.)	8	8	5	4	2	2	8	8
Classes of Service (COS)	30	30	30	10	4	4	30	30
CLIP Translation Table max. entries	250	250	200	200	N/A	100	1500 (400)	350
Daughterboards (keyset)	KSU	Any DLI	Motherboard	N/A	N/A	N/A	Any 8DLI	Motherboard
DDI Translation Table max. entries	200	200	200	50	N/A	20	999 (400)	500
DECT ports	48	24	24	N/A	N/A	N/A	192	24
LCR Digit Table max. entries	500	500	500	300	100	100	2000 (1000)	1000
MOH port numbers	3701–3719	371–2	371–2	371–2	371	371	3701–3706	371–2
Operator Groups (part of Station Group)	1	1	1	1	1	1	1	1
Operator Group members (sequential / distributed ring)	32	30	30	16	8	8	48	32
Operator Group members (unconditional ring)	32	30	10	16	8	8	32	32
Page zones (no. of internal)	4	4	4	4	2	2	5	5

2.3 System Configuration: Quick Reference (cont'd)

Description	DCS	Compact I	Compact II	816	408	408i	*i*DCS500*	*i*DCS100
Page zones (no. of external)	4	4	4	1	1	1	4	4
Pickup Groups	20	20	20	8	4	4	99	20
S_0 bus ports	32	32	24	16	None	2	64 (32)	24
Speed dials (total)	1500	500	600	500	300	300	2500 (1500)	1500
Speed dials (system)	500	500	500	300	200	200	500	500
Station Groups (number of)	30	30	20	10	4	4	50 (30)	20
Station Group members (sequential / distributed ring)	48	30	30	16	8	8	48	32
Station Group members (unconditional ring)	32	30	10	16	8	8	32	32
Station Group numbers	500–529	500–529	500–519	500–509	50–53	50–53	500–549 (500–529)**	500–519
Trunk Groups (number of)	11	11	11	4	2	2	50 (11)	11
Trunk Group members	80	10	40	10	4	4	99	40
Trunk Group numbers	9, 80–89	9, 80–89	9, 80–89	9, 80–82	9, 8	9, 8	9, 800–848 (9, 800–809)	9, 800–809
UCD Groups	10[2]	10[2]	5[3]	3[4]	N/A	N/A	20 (10)[5]	10[5]
Voice dial card port numbers	3551–2	3551–2	355–6	N/A	N/A	N/A	N/A	N/A
Virtual Extensions	N/A	N/A	N/A	N/A	N/A	N/A	70 (14)	14
Network LCR	N/A	N/A	N/A	N/A	N/A	N/A	96 (8)	20

[1]Misc 2 card=381–4, AA card=381–6, both cards installed=381–90
[2]UCD Group can be created from any Station Group 501–529 (CI) or last 10 Station Groups 520–529 (DCS)
[3]UCD Group can only be created from last 10 Station Groups 510–519
[4]UCD Group can only be created from last three Station Groups 507–509
[5]UCD Group can be created from any Station Group

* For *i*DCS500, the figure quoted is for both M and L version systems. Where these are different, the figure in brackets is for M version systems.

** These are the values for a 3-digit configured system. If configured for 4-digit group numbers, values are 5000–5xxx.

Part 3. MMC Programs

This part contains all the MMC programs provided for your keyphone system, presented in numerical order. The following information should help you when using MMCs.

- The procedure described for a particular MMC may be slightly different on your system and some LCD displays may not be exactly as shown. For example, port numbers may be different for the system you are programming. Refer to section 2.3 System Configuration: Quick Reference in Part 2 for the relevant options for your system.

- 408 and 408i systems employ 2-digit extension and group numbers by default, unlike other systems which use 3- or 4-digit numbers by default. These dialling number plans can be changed by the system installer using MMC 724, so make sure you are aware of all dialling plans for your system.

- To identify which MMCs apply to your system, either refer to the MMC lists at the beginning of this manual, or locate the relevant MMC page (below) and refer to the header check box beneath the title: a tick (✓) next to a system name indicates that the MMC applies to that system; a cross (✗) means it does not apply.

- The procedure described for each MMC assumes you are the installer or system administrator with system-wide access via a passcode. However, MMCs 100–121 are also accessible to individual keyset users. If you are programming your own keyset at Station level, the procedure may be different and you should also refer to your *Samsung Keyset User Guide* for more information.

Always remember that the displays shown for each MMC in this manual are provided as examples, and should be used for guidance only.

Make sure the correct country is first selected in MMC 812 before carrying out any other programming.

MMC: 100 STATION LOCK

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Locks or unlocks an individual station or all stations simultaneously.

The options are:

0	UNLOCKED	Unlocks a locked station (all actions allowed)
1	LOCKED OUT	Prevents the station from accessing a C.O. line and making an external call
2	LOCKED ALL	Prevents the station from making or receiving calls

ACTION	DISPLAY
1. Open programming and select **100** Display shows	[201] STN LOCK UNLOCKED
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and use RIGHT soft key to move cursor	[205] STN LOCK UNLOCKED
OR Press ANS/RLS to select all stations	[ALL] STN LOCK ??
3. Enter 0 to unlock, 1 to lock out or 2 to lock all (e.g., 1) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[205] STN LOCK LOCKED OUT
4. Press Transfer/TRSF to save and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **All stations UNLOCKED**

Related Items: **Station user programming**

MMC: 101 CHANGE USER PASSCODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Resets keyset passcodes to their default value of "1234." (This MMC cannot display station 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, DISA access or the walking class of service function.

ACTION	DISPLAY
1. Open programming and select **101** Display shows	[201] PASSCODE PASSCODE: ✳✳✳✳
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor right	[205] PASSCODE PASSCODE: ✳✳✳✳
3. Press HOLD to reset passcode	[205] PASSCODE PASSCODE : 1234
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All station passcodes = 1234**

Related Items: **MMC 100 Station Lock**

MMC: 102 CALL FORWARD

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Programs call forward destinations for station users. Also allows call forwarding to be set after the destination has been entered.

The system allows a number of call forwarding options:

FORWARD CANCEL	NO ANSWER
ALL CALL	BUSY/NO ANSWER
BUSY	EXT (external number)

The FORWARD BUSY/NO ANSWER option allows both FORWARD BUSY and FORWARD NO ANSWER options to be activated at the same time, provided that destinations have already been entered for both.

***i*DCS500** and ***i*DCS100** systems provide additional forwarding options:

FWD DND (Do Not Disturb)	CFNR (Forward No Response—*network only*)*
CFU (Forward All—*network only*)*	CFB/CFNR (see description of Forward Busy/No Answer, above)*
CFB (Forward Busy—*network only*)*	

* Network options are for forwarding calls to destinations on another system connected to your system's network.

ACTION	DISPLAY
1. Open programming and select **102** Display shows	[201] FORWARD 0:FORWARD CANCEL
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] FORWARD 0:FORWARD CANCEL
3. Dial 0–5 to select forward type OR Press VOLUME keys to select forward type and press RIGHT soft key to move cursor	[205] FORWARD 1:ALL CALL:NONE
4. Dial destination number (e.g., 201) OR Press VOLUME keys to select destination and press RIGHT soft key to move cursor	[205] FORWARD 1:ALL CALL:201

5. Dial 1 for YES, 0 for NO
   OR
   Press VOLUME keys to select YES or NO
   and press RIGHT soft key to return to step 2

[205] FORWARD
CURENTLY SET :YES

6. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance
   to next MMC

Default Data: **All stations 0 (Forward Cancel)**

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

MMC: 103 SET ANSWER MODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Changes the answer mode of any keyset. Each keyset can have its answer mode set to one of the following:

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

1. AUTO ANSWER: After giving a short attention tone, the keyset will automatically answer internal calls on the speakerphone*. When a C.O. line is transferred to a keyset in Auto Answer mode, the screened part of the call will be auto answered, but the keyset will ring when the transfer is made unless the user has pressed the ANS/RLS key or lifted the handset.

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

* Note: To answer C.O. calls automatically on *i*DCS500 systems, also set ON the option AUTO ANS CO SET in MMC 110.

ACTION	DISPLAY
1. Open programming and select **103** Display shows	[201] ANS MODE RING MODE
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to select keyset and press RIGHT soft key to move cursor	[205] ANS MODE RING MODE
OR Press ANS/RLS to select all keysets	[ALL] ANS MODE ?
3. Dial 0, 1 or 2 to change ring mode OR Press VOLUME keys to select ring mode and press RIGHT soft key to return to step 2	[205] ANS MODE VOICE ANNOUNCE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All keysets = RING**
Ring frequency default = 5

Related Items: **MMC 111 Keyset Ring Tone**

MMC: 104 STATION NAME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enters a name, up to 11 characters, to identify an individual keyset. The name will display in the keyset's LCD.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the 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 keypad to complete your name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions).

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **104** Display shows	[201] STN NAME
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] STN NAME _
3. Enter the station name using the procedure described above and press RIGHT soft key to return to step 2	[205] STN NAME SAM SMITH_
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 105 STATION SPEED DIAL

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Programs personal speed dial numbers for stations. This may be particularly useful for single line telephones which are more difficult to program by the station user.

By default, each station has one block of speed dial locations or "bins" (numbered 00–09) assigned to it. One block can hold up to 10 numbers. However, each station can have up to five blocks of speed dial locations assigned to it—giving a total of 50 numbers (00–49)—in MMC 606, Assign Speed Block.

Each speed dial may contain a trunk or trunk group access code (e.g. 9) followed by a separator (–) and up to 24 digits to be dialled. These dialled digits can be 0–9, ✱ and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

The following keys can also be used:

"B"	Insert a flash code "F"
"C"	Insert a pause code "P"
"D"	Insert a pulse/tone conversion code "C"
"E"	Mask/unmask following digits (shows as "[" or "]")
"F"	Enter name for speed dial bin (see MMC 106)

(Refer to section 1.5.2 in Part 1 for key descriptions.)

ACTION	DISPLAY
1. Open programming and select **105** Display shows	[201] SPEED DIAL 00 :
2. Dial station number (e.g. 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] SPEED DIAL 00 :
If selected station has no speed dial blocks assigned, the display will be as shown and a new station may be selected.	[205] SPEED DIAL NO SPEED BLOCK
3. Enter speed dial number (e.g., 05) OR Press VOLUME keys to select location and press RIGHT soft key to move cursor	[205] SPEED DIAL 05: _
4. Enter trunk access code (e.g., 9) followed by the number to be dialled (e.g., 08104264100) If you make an error, press the HOLD key to clear an entire entry or use the VOLUME Down key to move the cursor back	[205] SPEED DIAL 05 : 9-08104264100_

5. Press the “F” key to access MMC 106, *Station Speed Dial Name*, to enter name
   OR
   Press the LEFT soft key to return to step 3 (and enter new speed dial no)
   OR
   Press the RIGHT soft key to return to step 2 (and enter new station number)
   OR
   Press Transfer/TRSF to save and exit
   OR
   Press SPEAKER to save and advance to next MMC

Default Data: **None**

Related Items: **MMC 106 Station Speed Dial Name**
MMC 606 Assign Speed Block

MMC: 106 STATION SPEED DIAL NAME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: 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 keyset user to select a speed dial location by viewing its name.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the 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 keypad to complete your name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **106** Display shows	[201] SPEED NAME 00:
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] SPEED NAME 00:
If selected station has no speed dial bins, the display will be as shown and a new station may be selected	[205] SPEED NAME NO SPEED BLOCK
3. Dial speed dial location (e.g., 01) OR Press VOLUME keys to scroll through location numbers and press RIGHT soft key to move cursor	[205] SPEED NAME 01:_
4. Enter the location name using the procedure described above and press RIGHT soft key to return to step 2	[205] SPEED NAME 01:SAM SMITH_
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 105 Station Speed Dial**
MMC 606 Assign Speed Block

MMC: 107 KEY EXTENDER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Views programmed key assignments and assigns extenders to programmable keys on keysets. (Extenders may also be entered in MMC 722 or MMC 723 when programming key assignments.)

You assign key extenders to those programmed keys which can have extenders to make general access feature keys more specific. For example, you may want to set a Speed Dial key to dial personal speed dial code 01 when selected (SPD01) or set a PAGE key to page zone 1 only (PAGE1). The feature keys that can have extenders are listed in the table over the page.

ACTION	DISPLAY
1. Open programming and select **107** Display shows OR For 408 and 408i systems, display shows:	[201] EXT (MAST) 01:CALL1 → OR [21] EXT EXTEND 01:DT71 →
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor	[205] EXT (MAST) 01:CALL1 →
3. Enter key number (e.g., 18) OR Press VOLUME keys 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	[205] EXT (MAST) 18:DS → _ 205] EXT (MAST) 18:DS →DS207
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

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 Copy Key Programming
MMC 721 Save Station Key Programming
MMC 722 Station Key Programming
MMC 723 System Key Programming

KEY	FUNCTION	EXTENDER				
		DCS	CII	816	408/408i	*i*DCS
AB	Absence	Station number				
ACC or ACCT	Account Code	N/A				000–999 (*i*DCS500 only)
BOSS	Boss and Secretary	1–4	1–4	1–4	1–2	1–4
CR	Call Record (Voice Mail)	Mailbox number				
CS	UCD Call Status	UCD group number				
DIR	Directory dial by name type	1–3				
DP	Directed Pick Up	Station or station group number				
DS	Direct Station Select	Station number				
EP	Established Call Pickup	N/A				Station no. (*i*DCS500 'L' only)
FWRD	Call Forward	0–5	0–5	0–5	0–5	0–4, 6–9, ✱
GPIK	Group Pick Up	01–20	01–20	01–08	01–04	01–99 (*i*DCS500), 01–20 (*i*DCS100)
IG	In/Out Group	Station group number				
MMPG	Meet Me Page	0–9, ✱	0–9, ✱	0–4, 5, ✱	0–2, 5, ✱	0–9, ✱
PAGE	Page	0–9, ✱	0–9, ✱	0–4, 5, ✱	0–2, 5, ✱	0–9, ✱
PARK	Park Orbits	0–9				
PMSG	Programmed Station Message	01–20				01–25 (*i*DCS500 'L ') 01–20 (*i*DCS500 'M' and *i*DCS100)
RP	Ring Plan	N/A				1–6
RSV	Room Status View	0–4	0–4	N/A	N/A	0–4
SG	Station Group	Station group number				
SPD	Speed Dial: Personal System	00–49 500–999	00–49, 500–999	00–49 500–799	00–49 500–699	00–49 500–999
SP	UCD Supervisor	UCD group number			N/A	UCD group no.
VG	VM group message	Station group number				
VM	VM Memo	Station or station group number				
VT	VM Transfer	VM/AA group number				

MMC: 108 STATION STATUS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

<u>Purpose</u>: (This is a read-only MMC.)

Displays the attributes (status) of a station. Use the VOLUME keys to scroll through the status displays for your system in the sequence shown in the table.

DCS	Compact II	816	408 / 408i	*i*DCS500	*i*DCS100
PORT NO: #: Cabinet (1–3) / Slot (1–7) / Port (1–16)	PORT NO: Slot (BASE, OSLI, MISC, EX1–7) / Port (1–16)	PORT NO: 8DLI (01–08) or 4SLI (01–04)	PORT NO: 4DLI (01–04) or 4SLI (01–04)	PORT NO: Cabinet (1–3) / Slot (1–9) / Port (1–16)	PORT NO: Cabinet (1–3) / Slot (1–9) / Port (1–16)
TENANT NUM-BER: 1–2	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)
TYPE: Type of phone (e.g. 12B, 24B)	PICKUP GROUP: None, 01–20	PICKUP GROUP: None, 01–08	PICKUP GROUP: None, 01–04	PICKUP GROUP: None, 01–99	PICKUP GROUP: None, 01–20
PICKUP GROUP: None, 01–20	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number
SGR: Station Group Number	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR
BOSS-SECR: None, BOSS, SECR	PAGE: Page Zone (None, 1–4, *)	PAGE: Page Zone (None, 1–4, *)	PAGE: Page Zone (None, 1–2)	PAGE: Page Zone (None, 1–4, *)	PAGE: Page Zone (None, 1–4, *)
PAGE: Page Zone (None, 1–4, *)	DAY COS NO: COS (01–30)	DAY COS NO: COS (01–10)	DAY COS NO: COS (1–4)	COS (01–30) for Ring Plans 1&2	COS (01–30) for Ring Plans 1&2
DAY COS NO: COS (01–30)	NIGHT COS NO: COS (01–30)	NIGHT COS NO: COS (01–10)	NIGHT COS NO: COS (1–4)	COS (01–30) for Ring Plans 3&4	COS (01–30) for Ring Plans 3&4
NIGHT COS NO: COS (01–30)	—	—	—	COS (01–30) for Ring Plans 5&6	COS (01–30) for Ring Plans 5&6
—	—	—	—	TENANT GROUP: 1–2	TENANT GROUP: 1–2

ACTION	DISPLAY
1. Open programming and select **108** Display shows first station (e.g. for Compact II)	[201] STN STATUS PORT NO:BASE01
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] STN STATUS PORT NO:EX1-01
3. Press VOLUME keys to scroll through status displays and press RIGHT soft key to return to step 2	
4. Press Transfer/TRSF to exit OR Press SPEAKER to advance to next MMC	

Default Data:

Port No:	**Follows hardware position**
Type:	**Follows phone type**
Tenant Number:	**1**
Pickup Group:	**01**
SGR:	**None**
Boss–Secr:	**None**
Page:	**None**
Day COS No:	**01 (or 1)**
Night COS No:	**01 (or 1)**
COS all ring plans	**01 (*i*DCS only)**

Related Items:

MMC 301 Assign Station COS
MMC 302 Pickup Groups
MMC 303 Assign Boss/Secretary
MMC 601 Assign Station Group
MMC 604 Assign Station to Page Zone
MMC 803 Assign Tenant Group

MMC: 109 DATE DISPLAY

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects the date and time display mode on a per-keyset basis or system-wide.

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

ACTION	DISPLAY
1. Open programming and select **109** Display shows	[201] DAY FORMAT COUNTRY:WESTERN
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to select keyset and press RIGHT soft key to move cursor	[205] DAY FORMAT COUNTRY:WESTERN
OR Press ANS/RLS for all keysets	[ALL] DAY FORMAT COUNTRY:?
3. Dial 0–2 to select option (e.g. Country) OR Press VOLUME keys to scroll through modes and press RIGHT soft key to move cursor	[205] DAY FORMAT COUNTRY:WESTERN
4. Dial 0 or 1 to select option format (e.g. Oriental) OR Press VOLUME keys to select format and press RIGHT soft key to return to step 2	[205] DAY FORMAT COUNTRY:ORIENTAL
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

Country:	**Western**
Clock:	**24 hour**
Display:	**Lowercase**

Related Items: MMC 505 Assign Date and Time

MMC: 110 STATION ON/OFF

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets any of the following keyset features.

AUTO HOLD	Automatically places an existing C.O. call on hold if a CALL key, trunk key or trunk route key is pressed during that call.
AUTO TIMER	Automatically starts the stopwatch timer during a C.O. call. (CALL COST option, below, should be OFF for this feature to work.)
HEADSET USE	When ON, this feature disables the hookswitch allowing a headset user to answer all calls by pressing the ANS/RLS key.
HOT KEYPAD	When ON, this feature allows the user to dial numbers on the keypad without having to first lift the handset or press the SPEAKER key.
KEY TONE	Allows the user to hear a slight tone when pressing keys on the keyset.
PAGE REJOIN	Allows the user to hear the latter part of page announcements if the keyset becomes free during a page.
RING PREFER	When OFF, requires the user to press the fast flashing key to answer a ringing call after lifting the handset.
CALL COST	If enabled (ON), LCD shows real-time call cost based on Metering Pulses arrived. (See AUTO TIMER option.)
AUTO CAMPON	If enabled (ON), station will automatically camp on to dialled extension without user pressing CAMP-ON key (*i*DCS500 'L' systems only).
AME BGM	Determines whether a station using Answering Machine Emulation will hear their personal greeting or background music (BGM) while callers are listening to the personal greeting. A BGM source must be selected for this to work. (Cadence, SVMi-8 and SVMi-4 voice mail systems only.)
AME PSWD/ PASSCODE	Sets the Answering Machine Emulation password ON or OFF. (Voice mail systems only.)
DISP SPDNAME	If enabled (ON), the speed dial name associated with a speed dial number is displayed on a keyset with LCD when using speed dialling (*i*DCS500 'L' systems only).
CID REVW ALL	If enabled (ON), saves information on all calls that ring at an extension. If disabled (OFF), saves information only on calls that were not answered at the extension or which were answered by voice mail (*i*DCS500 'L' systems only).
SECURE OHVA	If enabled (ON), OHVA calls will be heard over the handset, not over the speakerphone (*i*DCS500 'L' systems only).
NOT CONT.CID	When ON, the keyset displays the call timer for the duration of an incoming trunk call (if AUTO TIMER is ON). When OFF, the CLIP number for a call is displayed for the duration of the call. (Not applicable to 408 systems.)

AUTO ANS CO — If enabled (ON), keyset will automatically answer outside calls through the speakerphone. For this to work, the keyset must be set to Auto Answer mode in MMC 103. Calls to groups cannot be auto-answered. (*i*DCS500 systems only.)

AUTO ANS NET — If enabled (ON), keyset will automatically answer outside calls from the QSIG network. For this to work, the keyset must be set to Auto Answer mode in MMC 103. Calls to groups cannot be auto-answered. (*i*DCS500 systems only.)

Note: Keyset users can set or change these options for their own keyset (refer to your *Samsung Keyset User Guide* for details).

ACTION	DISPLAY
1. Open programming and select **110** Display shows	[201] STN ON/OFF AUTO HOLD :OFF
2. Dial station number (e.g., 205) OR Press VOLUME keys to select keyset and press RIGHT soft key to move cursor	[205] STN ON/OFF AUTO HOLD :OFF
OR Press ANS/RLS for all keysets	[ALL] STN ON/OFF AUTO HOLD :?
3. Press VOLUME keys to select option and press RIGHT soft key to move cursor	[205] STN ON/OFF HOT KEYPAD : ON
4. Dial 1 for ON or 0 for OFF OR Press VOLUME keys to select ON or OFF and press LEFT or RIGHT soft key to return to step 3	[205] STN ON/OFF HOT KEYPAD :OFF
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

AUTO HOLD	**Off**	**AME BGM**	**Off**
AUTO TIMER	**On**	**AME PSWD/CODE**	**Off**
HEADSET USE	**Off**	**DISP SPDNAME**	**Off**
HOT KEYPAD	**On**	**CID REVW ALL**	**On**
KEY TONE	**On**	**SECURE OHVA**	**On**
PAGE REJOIN	**On**	**NOT CONT.CID**	**Off**
RING PREF	**On**	**AUTO ANS CO**	**Off**
CALL COST	**Off**	**AUTO ANS NET**	**Off**
AUTO CAMPON	**Off**		

Related Items: **MMC 301 Assign Station COS**
MMC 701 Assign COS Contents

MMC: 111 KEYSET RING TONE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects the ring tone heard at each keyset.

There are eight (1–8) ring tones available. A short tone burst of the selection will be heard when a key is pressed.

ACTION	DISPLAY
1. Open programming and select **111** Display shows	[201] RING TONE SELECTION 5
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] RING TONE SELECTION 5
OR Press ANS/RLS to select all keysets	[ALL] RING TONE SELECTION ?
3. Dial 1–8 to select ring tone OR Press VOLUME keys to select ring tone and press RIGHT soft key to move cursor	[205] RING TONE SELECTION 6
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **SELECTION 5**

Related Items: **MMC 114 Station Volume**

MMC: 112 ALARM REMINDER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets or changes the alarm clock/appointment reminder feature for any station. A number of alarms may be set for each station: three (1–3) for DCS and *i*DCS systems, or two (1–2) for Compact II, 816 and 408/408i systems. Each alarm may be defined as a one-time or TODAY alarm, or as a DAILY alarm, or NOTSET as described below.

Dial 0: NOTSET Dial 1: TODAY Dial 2: DAILY

The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time.

ACTION	DISPLAY
1. Open programming and select **112** Display shows	[201] ALM CLK(1) HHMM: ➔NOTSET
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] ALM CLK(1) HHMM: ➔NOTSET
3. Dial alarm number (e.g., 2) OR Press VOLUME keys to select alarm and press RIGHT soft key to move cursor OR Press LEFT soft key to return to step 2	[205] ALM CLK(2) HHMM: ➔NOTSET
4. Enter alarm time in 24-hour clock format (e.g., 1300) Display will automatically advance to step 5	[205] ALM CLK (2) HHMM:1300➔NOTSET
5. Dial valid entry from above list for alarm type (e.g. 2, DAILY) OR Press VOLUME keys to select alarm type and press RIGHT soft key to move cursor and return to step 2	[205] ALM CLK (2) HHMM:1300➔DAILY
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Alarms set to NOTSET**

Related Items: **None**

MMC: 113 VIEW MEMO NUMBER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enters memos on stations. Up to three memos can be entered, depending on your system. MMC 116 (Alarm and Message) can be programmed to remind the keyset user to read the memo(s).

Each memo can be up to 13 characters long and is entered using the dial keypad. For example, press "6" twice to enter the letter "M", and press "3" three times for an "E". Continue selecting characters from the keypad to complete the memo. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **113** Display shows	[201] VIEW MEMO 1:
2. Dial the keyset number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] VIEW MEMO 1:
3. Dial memo number (1–3) OR Press VOLUME keys to select and press RIGHT soft key to move cursor	[205] VIEW MEMO 1:_
4. Press RIGHT soft key to move cursor and add memo using above procedure	[205] VIEW MEMO 1:CALL TOM
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 116 Alarm and Message**

MMC: 114 STATION VOLUME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets volume levels for keysets.

0	RING VOLUME	Set a level for 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 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 listening 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 listening volume for conversations through the speaker. There are 16 volume levels: level 1 is the lowest and level 16 the highest.
4	BGM VOLUME	Set a level for background music volume. There are 16 volume levels: level 1 is the lowest and level 16 the highest.
5	PAGE VOLUME	Set a level for listening volume for internal page through the speaker when your keyset is idle and BGM is turned on. There are 16 volume levels: level 1 is the lowest and level 16 the highest (*i*DCS500 and *i*DCS100 only).

ACTION	DISPLAY
1. Open programming and select **114** Display shows	[201] STN VOLUME RING VOLUME : 4
2. Dial keyset number (e.g. 205)	[205] STN VOLUME RING VOLUME : 4
3. Dial option number (e.g. 1) OR Press VOLUME keys to select option and press RIGHT soft key	[205] STN VOLUME OFF-RING VOL: 4
4. Dial volume level using keypad (you will hear a brief tone for the level you select) and system returns to step 3 OR Press VOLUME keys to select volume (you will hear a brief tone for each level) and press RIGHT soft key to return to step 3	[205] STN VOLUME OFF-RING VOL: 3
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:	**Ring Volume**	**4**
	Off-Hook Ring Volume	**4**
	Handset Volume	**4**
	Speaker Volume	**13**
	BGM Volume	**13**
	Page Volume	**13**

Related Items: **MMC 111 Keyset Ring Tone**

MMC: 115 SET PROGRAMMED MESSAGE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets or cancels a programmed message at individual or all keysets.

There are up to 20 or 30 programmed messages available (01–20 or 01–30) depending on the system you are using. These messages are as set up in MMC 715, Programmed Station Message.

ACTION	DISPLAY
1. Open programming and select **115** Display shows	[201] PGMMSG(00) CANCEL PGM MSG
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] PGMMSG(00) CANCEL PGM MSG
OR Press ANS/RLS to select all keysets	[ALL] PGMMSG(??)
3. Dial 01–20 to select message number (e.g., 05) OR Press VOLUME keys to select message and press RIGHT soft key to return to step 2 OR Select 00 to cancel a previously set message	[205] PGMMSG(05) PAGE ME
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **No messages selected**

Related Items: **MMC 715 Programmed Station Message**
MMC 722 Station Key Programming
MMC 723 System Key Programming

MMC: 116 ALARM AND MESSAGE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets or changes the alarm clock/appointment reminder feature for individual or all keysets.

For DCS and *i*DCS systems, three alarms (1–3) can be set for each station. For other systems, two alarms (1–2) can be set. Each alarm may be defined as a one-time or TODAY alarm, as a DAILY alarm, or NOTSET as described below. The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time. It is also possible to set a message to display when the alarm is sounded.

Dial	Alarm Type
0	NOTSET
1	TODAY
2	DAILY

Messages are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the message is "MEETING", press the number "6" once to get the letter "M". Now press the number "3" twice to get the letter "E" Continue selecting characters from the keypad to complete your message. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **116** Display shows	[201] ALM REM(1) HHMM: ➔ NOTSET
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] ALM REM(1) HHMM: ➔ NOTSET
OR Press ANS/RLS to select all stations	[ALL] ALM REM(1) HHMM: ➔ NOTSET
3. Dial alarm number (e.g., 2) OR Press VOLUME keys to select alarm and press RIGHT soft key to move cursor	[205] ALM REM(2) HHMM: ➔ NOTSET

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

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

5. Dial valid entry from above list for alarm type (e.g. 2, DAILY)
   OR
   Press VOLUME keys to select alarm type and press RIGHT soft key to move cursor

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

6. Enter message using above method and press RIGHT soft key to return to step 2

```
[205]        ALM REM(2)
Meeting
```

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **Alarms set to NOTSET**

Related Items: **None**

MMC: 119 CLIP DISPLAY

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Changes the order in which CLIP information is displayed on a keyset LCD.

CLIP display options are:

0	NO DISPLAY	No CLIP data is displayed.
1	NUMBER FIRST	CLIP number received from central office is displayed first.
2	NAME FIRST	CLIP name is displayed first (if set in MMC 728)

ACTION	DISPLAY
1. Open programming and select **119** Display shows	[201] CLIP DISP. NUMBER FIRST
2. Enter keyset number (e.g. 204) OR Press VOLUME keys to scroll through stations and press RIGHT soft key to select a station	[204] CLIP DISP. NUMBER FIRST
OR Press ANS/RLS to select all keysets	[ALL] CLIP DISP. ?
3. Dial display option 0, 1 or 2 (e.g. 2) Press VOLUME keys to select option and press RIGHT or LEFT soft key to return to step 2	[204] CLIP DISP. NAME FIRST
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to save and advance to next MMC	

Default Data : **NUMBER FIRST**

Related Items: **MMC 728 CLIP Translation Table**

MMC: 121 KEYSET LANGUAGE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns an LCD display based on a keyset user's own language. Options include some or all of the following, depending on your system:

ENGLISH	ITALY
GERMAN	SPANISH
PORTUGAL	SWEDISH
NORSK (NORWAY)	SPANISH / USA
DANISH	FRENCH / CANADA
DUTCH	

ACTION	DISPLAY
1. Open programming and select **121** Display shows	[201] LANGUAGE ENGLISH
2. Dial keyset number (e.g., 205) OR Press VOLUME KEYS to select keyset and press RIGHT soft key OR Press ANS/RLS to select all keysets	[205] LANGUAGE ENGLISH [ALL] LANGUAGE ?
3. Press VOLUME keys to select language and press RIGHT soft key.	[205] LANGUAGE GERMAN
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **ENGLISH**

Related Items: **MMC 809 System MMC Language**

MMC: 122 SPOT INFOSPD

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (***i*DCS systems only.)**

Regulates the speed at which messages scroll across keyset displays when the INFDSP key is pressed. The INFDSP key is assigned in either MMC 722 or MMC 723. Values are set between 0300 mS (fastest speed) and 1 second (lowest speed).

Note: INFDSP refers to the information display associated with the EasySet and *i*DCS News applications available from Samsung. Contact your dealer for more details.

ACTION	DISPLAY
1. Open programming and select **122** Display shows	[201] CALL SPEED 03→
2. Dial keyset number (e.g., 205) OR Press VOLUME KEYS to select keyset and press RIGHT soft key OR Press ANS/RLS to select all keysets	[205] CALL SPEED 03→_ [ALL] CALL SPEED 03→_
3. Enter value 03–10 (two digits) e.g. 07	[205] CALL SPEED 03→07
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **0300 mS**

Related Items: **MMC 722 Station Key Programming**
MMC 723 System Key Programming

MMC: 200 OPEN CUSTOMER PROGRAMMING

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Opens (enables) or closes (disables) customer-level programming.

If programming is not opened and an attempt is made to access a customer-level MMC, the error message [NOT PERMIT] will be displayed. A four-digit passcode is required to enable customer programming (by default this is 1234, but can be changed in MMC 201, if required). Each digit can be 0–9. When opened, this MMC allows access to all MMCs specified by the system installer in MMC 802, Customer Access MMC Number.

ACTION	DISPLAY
1. Press **Transfer/TRSF 200** Display shows	ENABLE CUS.PROG. PASSCODE:_
2. Enter passcode	ENABLE CUS.PROG. PASSCODE: ✳✳✳✳
Correct code shows	ENABLE CUS.PROG. DISABLE
Incorrect code shows	ENABLE CUS.PROG. PASSWORD ERROR
3. Dial 1 for ENABLE or 0 for DISABLE OR Press VOLUME keys to select ENABLE or DISABLE and press RIGHT soft key	ENABLE CUS.PROG. ENABLE
4. Press SPEAKER to advance to MMC entry level and press VOLUME keys to select MMC (e.g. 212) OR Enter MMC number and press RIGHT soft key to enter MMC	212:ALARM RING SELECT PROG. ID
5. Press Transfer/TRSF to exit	

Default Data: **DISABLE (closed)**
Passcode=1234

Related Items: **MMC 201 Change Customer Passcode**
MMC 501 System-Wide Timers
MMC 802 Customer Access MMC Number

MMC: 201 CHANGE CUSTOMER PASSCODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Changes the passcode allowing access to MMC 200, Open Customer Programming, from its current value.

ACTION	DISPLAY
1. Open programming and select **201**	CUST. PASSCODE NEW CODE:_
2. Enter new passcode (maximum four digits)	CUST. PASSCODE NEW CODE: ✳✳✳✳
3. Re-enter new passcode for verfification	CUST. PASSCODE VERIFY : ✳✳✳✳
If verification is successful you see: (now go to step 4)	CUST. PASSCODE VERIFY :SUCCESS
OR If verification fails you see: and system returns to step 2	CUST. PASSCODE VERIFY :FAILURE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Passcode = 1234**

Related Items: **MMC 200 Open Customer Programming**

MMC: 202 CHANGE FEATURE PASSCODES

DCS	✓	CI	✗	CII	✓	816	✓	408i	✓	408	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Changes the passcode for the following features.

RING PLAN (*i*DCS only)
DAY/NIGHT (not *i*DCS)
DISA ALARM
ALARM CLR (Alarm Clear)
AA RECORD
DECT (BSI) REGISTER
DELETE ('Delete' code for Hotel billing—refer to your Hotel documentation)

Note: The passcode is four digits long. Each digit can be 0–9.

ACTION	DISPLAY
1. Open programming and select **202** Display shows	CHANGE PASSCODE DAY/NIGHT :0000 OR CHANGE PASSCODE RING PLAN :0000
2. Press VOLUME keys to make selection Press RIGHT soft key to move cursor to passcode entry	CHANGE PASSCODE ALARM CLR :8765
3. Enter new passcode via digits from keypad	CHANGE PASSCODE ALARM CLR :9999
4. Press RIGHT soft key to return to step 2 to change other passcodes OR 5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

RING PLAN	**0000**	**AA RECORD**	**4321**
DAY/NIGHT	**0000**	**DECT REGISTER**	**4321**
DISA ALARM	**5678**	**DELETE**	**9999**
ALARM CLR	**8765**		

Related Items:

MMC 212 Alarm Ringing Station
MMC 214 DISA Alarm Ringing Station
MMC 410 Assign DISA Trunk
MMC 507 Assign Ring Plan Time (*i*DCS systems)
MMC 507 Assign Auto Night Time (Other systems)
MMC 737 DECT System Code
MMC 744 DECT Registration On/Off

MMC: 203 ASSIGN UA DEVICE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

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

DIRECTORY NUMBER (DN)	UA DEVICE TYPE
Station Number	STATION (Keyset or SLT)
Station group number	STATION GROUP
Ring over page number	RING PAGE
Common bell number	COMMON BELL

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

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

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

MMC: 204 COMMON BELL CONTROL

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

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

By default, all common bell relay pairs are assigned as:

DCS	Compact II	816	408 / 408i	*i*DCS500	*i*DCS100
380x	363–365	362	361	380x	363–365

ACTION	DISPLAY
1. Open programming and select **204** Display shows current setting	[3801]COM. BELL CONTINUOUS OR [363] COM/LD BELL CONTINUOUS
2. Dial common bell number OR Press VOLUME keys to make selection of common bell numbers and press RIGHT soft key to advance cursor	
3. Dial 0 for continuous or 1 for interrupted operation OR Press VOLUME keys to scroll through options Press RIGHT soft key to return to step 2	[3801]COM. BELL INTERRUPTED OR [363] COM/LD BELL INTERRUPTED
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Continuous**

Related Items:
MMC 203 Assign UA Device
MMC 219 Common Relay Service Type
MMC 601 Assign Station Group

MMC: 205 ASSIGN LOUD BELL

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Designates the station that controls the loud bell ring output. This output depends on your system, as follows.

DCS	Trunk A card. Each Trunk A card has one loud bell output; these outputs are given a Directory Number of 3901–3920 as a default value to enable them to be assigned.
Compact II	Misc card (assigned in MMC 219, Common Relay Service Type).
816 and 408/408i	Base board (assigned in MMC 219, Common Relay Service Type).
***i*DCS500**	Misc card. Each Misc card has one loud bell output; these outputs are given a Directory Number of 390x as a default value to enable them to be assigned.
***i*DCS100**	Misc card (assigned in MMC 219, Common Relay Service Type).

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

ACTION	DISPLAY
1. Open programming and select **205** Display shows current setting	[361] LOUD BELL RING PAIR : NONE
2. Dial loud bell number (e.g., 362) OR Press VOLUME keys to scroll through loud bell numbers and press RIGHT soft key to move the cursor	[362] LOUD BELL RING PAIR : NONE
3. Enter station number (e.g., 201) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[362] LOUD BELL RING PAIR :201
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE (Unassigned)**

Related Items: **MMC 219 Common Relay Service Type**

MMC: 206 BARGE-IN TYPE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: The Barge-In feature allows selected keysets to intrude on other stations which are not set as secure from barge in. This MMC sets the type of barge-in that is permitted.

DIAL	TYPE OF BARGE-IN	DESCRIPTION
0	NO BARGE IN	Barge-in feature is unavailable. Station cannot barge in, regardless of another station's barge-in status.
1	WITH TONE	Barge-in will have an intrusion tone and display at the barged-in on station.
2	WITHOUT TONE	There is no barge-in tone or display at the barged-in on station and the barging-in station will be muted.

ACTION	DISPLAY
1. Open programming and select **206** Display shows	BARGE IN TYPE NO BARGE IN
2. Dial 0–2 to select barge-in type (e.g., 2) OR Press VOLUME keys to select barge-in type and press RIGHT soft key	BARGE IN TYPE WITHOUT TONE
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NO BARGE IN**

Related Items: **MMC 301 Assign Station COS**
MMC 701 Assign COS Contents

MMC: 207 ASSIGN VM/AA PORT

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: 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 as this will return them to a single line port and stop voice mail integration. VMAA ports have the equivalent of data protect written in the program and are protected against tones.

Note: This MMC is not used to assign voice mail card ports. Voice mail card ports are assigned as voice mail ports automatically when the system detects a Cadence, SVMi-4 or SVMi-8 card.

ACTION	DISPLAY
1. Open programming and select **207** Display shows	[209] VMAA PORT NORMAL PORT
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] VMAA PORT NORMAL PORT
3. Dial 1 or 0 to select port type (1=VMAA, 0=NORMAL) OR Press VOLUME keys to select option and press RIGHT soft key	[205] VMAA PORT VMAA PORT
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NORMAL PORT**

Related Items: **MMC 601 Assign Station Group**
MMC 726 VM/AA Options

MMC: 208 ASSIGN RING TYPE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows programming of SLTs to have ICM ringing, C.O. ringing and data secure.

With the many types of external ringing devices, all configurations can be met. DATA RING also has a positive disconnect signal. Do not make VM/AA ports data as this will return them to a single line port and stop voice mail integration.

OPTIONS

0 ICM RING
1 C.O. RING
2 DATA RING

ACTION	DISPLAY
1. Open programming and select **208** Display shows	[209] RING TYPE ICM RING
2. Dial SLT station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] RING TYPE ICM RING
3. Dial 0, 1 or 2 to select port type (e.g. 2) OR Press VOLUME keys to select option and press LEFT or RIGHT soft key to return to step 2	[205] RING TYPE DATA RING
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **ICM RING**

Related Items: **None**

MMC: 209 ASSIGN ADD-ON MODULE

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Designates to which keyset an add-on module (AOM) is assigned.

ACTION	DISPLAY
1. Open programming and select **209** Display shows first AOM	[301] AOM MASTER MASTER:NONE
2. Dial AOM number OR Press VOLUME keys to scroll through AOM numbers and press RIGHT soft key to move the cursor	[301] AOM MASTER MASTER:NONE
3. Enter keyset number, (e.g., 201) OR Press VOLUME keys to select station numbers	[301] AOM MASTER MASTER:201
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **MASTER = NONE**

Related Items: **None**

MMC: 210 CUSTOMER ON/OFF

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets system features on or off. Not all features are available on all systems. Refer to the table over the page for features (a "✓ " means "available").

ACTION	DISPLAY
1. Open programming and select **210** Display shows	TEN. ON AND OFF DISA PSWD :ON
2. Dial option number (e.g. 01) OR Press VOLUME keys to select option and press RIGHT soft key to move cursor	TEN. ON AND OFF LCR ENABLE :OFF
3. Dial 1 for ON or 0 for OFF OR Press VOLUME keys to make selection and press RIGHT soft key	TEN. ON AND OFF LCR ENABLE :ON
4. Repeat steps 2-3 for other options OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: (See table below for option descriptions)

DISA PSWD	**On**	**SGR INC BUSY**	**Off**	**PERI UCD SIO**	**Off**
LCR ENABLE	**On**	**TRSF CANCEL**	**Off**	**AUTO CLEANED**	**Off**
SMDI VMS SET	**Off**	**RECALL DISC**	**Off**	**REDIAL REVW**	**Off**
PERI UCD SET	**Off**	**ARD TONE CHK**	**On**	**ISDN KEYFAC**	**Off**
CID CODE INS	**Off**	**VPN ENABLE**	**Off**	**PROG.2 ALERT**	**Off**
DISA MOH	**Off**	**ISDNTRK BUSY**	**Off**	**VOIP VIR RBT**	**On**
TRANSFER MOH	**On**	**IN TOLL CHK**	**Off**	**PRESET BUSY**	**Off**
DSP SSPDNAME	**Off**	**ISDN PROGCON**	**Off**		
DID BSY ROUT	**Off**	**INCLUDE VAT**	**Off**		
DID NOT ROUT	**On**	**DSS KEY DPU**	**On**		
ALARM MOH	**On**	**BEGN DGT DSP**	**Off**		
ALL PICK UP	**Off**	**ONE TCH FACC**	**On**		
RECALL PIKUP	**Off**	**SGR ALL OUT**	**Off**		
ICM EXT FWD	**Off**	**CHAIN FWD**	**Off**		
SEC 2 BOS AA	**On**	**TRK MONITOR**	**On**		
DID ERR TONE	**Off**	**VOIP MFRALOC**	**Off**		
KTS DISC ALM	**Off**	**NTWK AUTOTMR**	**On**		
OFF HOOK ALM	**Off**	**USE EURO**	**Off**		
SL SELF RING	**Off**	**NO STAFF COD**	**Off**		

Related Items: **None**

FEATURE	DESCRIPTION	SYSTEM			
		DCS/CII	816	408/408i	*i*DCS
DISA PSWD	Determines whether outside customers are required to enter DISA passcode (Yes=ON, No=OFF).	✓	✓	✓	✓
LCR ENABLE	Enables LCR feature in the system.	✓	✓	✓	✓
SMDI VMS SET	Allows SMDI integration through RS-232 port for the external PC-based Voice Mail system	✓	✗	✗	✗
PERI UCD RPT (*i*DCS only) or PERI UCD SET (other systems)	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 (see MMC 501– PERI UCD REPORT timer option). This allows extended manipulation of the information by an external third-party-provided software package. (For *i*DCS systems, refer to PERI UCD SIO option, below.)	✓	✓	✗	✓
CID CODE INS	Allows the digit '1' to be automatically inserted for a toll call. (Not used in UK.)	✓	✓	408i only	✓
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.	✓	✓	✓	✓
TRANSFER MOH	Callers who have been transferred from an extension or UCD group or AA group will hear MOH, until answered by the called extension, instead of ring back tone.	✓	✓	✓	✓
DSP SSPDNAME	LCD displays programmed name of system speed bin if it has been programmed in MMC 706; otherwise, it shows digits programmed in MMC 705 (even if this option is set to ON). [Note: *i*DCS500 'L' systems use DISP SPDNAME option in MMC 110.]	✓	✓	✓	*i*DC500 'M' & *i*DC100 only
DID BSY ROUT	DDI calls to a busy extension can be routed to an assigned destination, in MMC 406, before the call is dropped.	✓	✓	408i only	✓
DID NOT ROUT	DDI calls with no mapping in MMC 714 can be routed to an assigned destination in MMC 406.	✓	✓	408i only	✗
ALARM MOH	If the Wake-up Announcement feature (MMC 224) is not programmed but this option is turned ON, the user will hear the station Music-On-Hold source as a wake-up alarm.	✗	✗	✗	✓
ALL PICK UP	Independent pickup group; can pick up all calls.	✗	✓	✓	✗
RECALL PIKUP	When ON, a call recalling to a station can be picked up using Direct Station Pickup, Group Pickup and My Group Pickup features. This applies to held calls and transferred calls recalling to a station.	✗	✗	✗	✓
ICM EXT FWD	When ON, call forward external is allowed when internal calls are placed to a station that has Call Forward External programmed and set.	✗	✗	✗	✓

FEATURE	DESCRIPTION	DCS/CII	816	408/408i	iDCS
SEC 2 BOS AA	Allows or denies calls from a secretary to a boss station being auto answered by the boss station. The default setting is ON allowing auto answer when a secretary calls a boss via an assigned boss key.	✗	✗	✗	✓
DID ERR TONE	Provides error tone when an invalid DID number is received.	✗	✗	✗	✓
KTS DISC ALM	When ON, generates system alarm when a keyset plug is connected or disconnected.	✗	✗	✗	✓
OFF HOOK ALM	When ON, generates system alarm when a phone maintains off-hook condition longer than timer (First Digit timer in MMC 501)	✗	✗	✗	✓
SL SELF RING	When ON, generates a 10-second ring when a single line phone dials its own number and hangs up (testing).	✗	✗	✗	✓
SGR INC BUSY	When ON, generates busy tone when all station group members are busy for a group call.	✗	✗	✗	✓
TRSF CANCEL	When OFF, an SLT will be able to handle two calls simultaneously using hookflash to toggle between them. When ON, an SLT will be able to connect to the second call, but pressing hook flash will not toggle between the two calls; it will disconnect the second call and reconnect the SLT to the first call.	✗	✗	✗	✓
RECALL DISC	When ON, the system disconnects a transferred call when it recalls.	✗	✗	✗	✓
ARD TONE CHK	When system detects CO BUSY TONE from Central Office, it returns to autoredial state.	✓	✓	✓	✓
VPN ENABLE	Allows use of VPN (Virtual Private Network) feature linked with network. (For future use.)	✓	✓	408 only	✓
ISDNTRK BUSY	Allows return of busy tone to incoming DDI calls to station group if all group members are busy. (Sequential or Distribute groups only.)	✓	✓	408i only	✗
IN TOLL CHK	If ON, toll restriction applies to incoming calls (useful for DISA calls breaking out of system)	✓	✓	✓	✓
ISDN PROGCON	If OFF, the system ignores ISDN progress message.	✓	✓	408i only	✓
INCLUDE VAT	When ON, an “Inclusive VAT of” line is printed on Hotel invoices (Hotel application).	✓	✗	✗	✓
DSS KEY DPU	When ON, pressing a DSS key will pick up a call at the ringing station	✗	✗	✗	✓
BEGN DGT DSP	When ON, and an outside call of more than 16 digits is dialled, then only the first 16 digits dialled are shown on the keyset display. When OFF, only the last 16 digits dialled are shown (*i*DCS500 ‘L‘ systems only.)	✗	✗	✗	*i*DC500 ‘L’ only
ONE TCH FACC	Must be set ON in order for keyset users to be able to use one-touch account code key	✗	✗	✗	*i*DC500 ‘L’ only

FEATURE	DESCRIPTION	DCS/CII	816	408/408i	*i*DCS
SGR ALL OUT	Normally, a group member cannot leave a group unless there is a member still in the group. If this option is set ON, the last member is also able to leave the group.	✗	✗	✗	✓
CHAIN FWD	If ON, an incoming call forwarded from a station to another station may then be forwarded to the mailbox of the second station, if the latter is set for 'forward to voice mail'. If this option is OFF, the call may only be forwarded to the mailbox of the first station.	✗	✗	✗	*i*DC500 'L' only
TRK MONITOR	If ON, the system will monitor the trunk supervision signalling. That is, if a disconnection signal is received from the exchange, the call will be cleared and the extension will go back on hook.	✓	✓	✓	✓
VOIP MFRALOC	If ON, this allocates a DTMF receiver for a VOIP tandem caller breaking out on another trunk group.	✗	✗	✗	✓
NTWK AUTOTMR	If OFF, the call timer in the phone display will not function if the call is from a network connection (Q-Sig)	✗	✗	✗	✓
USE EURO	If ON, the unit of currency shown in call displays and on SMDR reports will be Euros (€). (This will also display on Hotel application invoices.)	✓	✗	✗	✓
NO STAFF CODE	(Hotel application.) If ON, no staff codes will be required for Hotel administration.	✓	✗	✗	✓
PERI UCD SIO	If set OFF, periodic UCD report will print to port set as PERI UCD in MMC 804 If set ON, periodic UCD report will print to port set as PERI UCD in MMC 804. If there is no PERI UCD port, periodic UCD report will print to port set as UCD REPT or SMDR/UCD.	✗	✗	✗	✓
AUTO CLEANED	If ON, any room checked out will be automatically flagged with status "Cleaned". (Hotel application.)	✓	✗	✗	✓
REDIAL REVW	If ON, when the Redial or LNR key is pressed, keyset users can review previously dialled numbers in the display and select numbers to redial.	✗	✗	✗	✓
ISDN KEYFAC	If ON, allows Keypad Facility messages to be sent to the exchange to invoke network features	✓	✓	408i only	✓
PROG.2 ALERT	Converts a received Progress message to an Alert message when tandem switching.	✗	✗	✗	✓
VOIP VIR RBT	If ON, the local system will generate Ring Back tone when the remote system sends the Alerting message.	✗	✗	✗	✓
PRESET BUSY	If ON, will change the preset Forward condition in MMC 320 from Forward No Answer to Forward Busy/No Answer.	✗	✗	✗	✓

MMC: 211 DOOR RING ASSIGNMENT

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Designates which devices will ring when a doorphone button is pressed. Options can be selected for ring plans (1–6) on *i*DCS systems, or for day and night mode on other systems. Two types of device can ring: a station or a station group.

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **211** Display shows first doorphone (If there is no doorphone interface module, you see "DOOR NOT EXIST")	[201] DOOR RING D:500 N:500
2. Dial doorphone number (e.g., 210) OR Press VOLUME keys to scroll through doorphone numbers and use the RIGHT soft key to move cursor OR Press ANS/RLS to select all doorphones	[210] DOOR RING D:500 N:500
3. Enter day selection (e.g. 301) OR Press VOLUME keys to make selection and press RIGHT soft key	[210] DOOR RING D:301 N:500
4. Enter night selection (e.g. 302) OR Press VOLUME keys to make selection and press RIGHT soft key	[210] DOOR RING D:301 N:302
5. Press RIGHT soft key to return to step 2 OR Press LEFT soft key to return to step 3 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Station group 500 for day and night (group 50 for 408/408i systems)**

Related Items: **None**

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **211** Display shows first doorphone (If there is no doorphone interface module, you see “DOOR NOT EXIST”)	[201] DOOR RING 1:500 2:500
2. Dial doorphone number (e.g., 210) OR Press VOLUME keys to scroll through doorphone numbers and use the RIGHT soft key to move cursor OR Press ANS/RLS to select all doorphones	[210] DOOR RING 1:500 2:500
3. Press RIGHT soft key to move cursor Enter ring plan 1 selection (e.g. 301) OR Press VOLUME keys to make selection and press RIGHT soft key	[210] DOOR RING 1:301 2:500
4. Enter ring plan 2 selection (e.g. 302) OR Press VOLUME keys to make selection and press RIGHT soft key Repeat this step for each ring plan (1–6) required	[210] DOOR RING 1:301 2:302
5. Press RIGHT soft key to return to step 2 OR Press LEFT soft key to return to step 3 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Station group 500 (all ring plans)**

Related Items: **None**

MMC: 212 ALARM RINGING STATION

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✓

Purpose: Determines which devices will be alerted when an alarm sensor is activated. Devices can be stations or station groups.

Devices will ring like a doorphone and follow the door ring time-out. When ringing, display keysets show the display assigned in MMC 213, Alarm Message. The bottom line of the keyset display gives an option to clear the alarm. Ringing initiated by an alarm sensor is answered by going off-hook and on-hook again at a ringing keyset.

If a device such as Ring Over Page or a common bell is the only device assigned to ring, it may be answered by assigning a direct pickup key with this device as the extender. If the alarm is unanswered by the door ring time-out, ringing will cease but the display will remain until cleared by dialling the alarm clear feature code (57) and passcode (default 8765).

■ For DCS and CII systems

ACTION	DISPLAY
1. Open programming and select **212** Display shows first sensor (e.g. 3501)	[3501]ALARM RING D:500 N:500
2. Dial sensor number (e.g., 3502 or 352) OR Press VOLUME keys to scroll through sensor numbers and press RIGHT soft key to advance cursor	[3502]ALARM RING D:500 N:500
3. Enter destination for day (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor Select night destination in the same way	[3502]ALARM RING D:205 N:500
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All sensors ring 500 day/night**

Related Items: **See *Related Items*, below**

■ For *i*DCS100 systems

ACTION	DISPLAY
1. Open programming and select **212** Display shows first sensor	[352]ALARM RING 1:500 2:500
2. Dial sensor number (e.g., 352) OR Press VOLUME keys to scroll through sensor numbers and press RIGHT soft key to advance cursor	[352]ALARM RING 1:500 2:500
3. Press RIGHT soft key to move cursor Enter destination for ring plan 1 (e.g., 205) OR Press VOLUME key to make selection and press RIGHT soft key to advance cursor	[352]ALARM RING 1:205 2:500
4. Enter destination for ring plan 2 (e.g., 205) OR Press VOLUME key to make selection and press RIGHT soft key to advance cursor Repeat this step for each ring plan (1–6) required	[352]ALARM RING 1:205 2:205
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All sensors ring 500 for all ring plans**

Related Items: **MMC 213 Alarm Message**

MMC: 213 ALARM MESSAGE

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✓

Purpose: Assigns a name to an alarm sensor. Names are written using the dial keypad. Each press of a key selects a character and moves the cursor to the next position. For example, if the sensor name is "FIRE," press the number "3" three times to get the letter "F." Now press the number "4" three times to get the letter "I", and so on to complete the name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **213** Display shows (e.g. 351 for Compact II)	[351] ALARM NAME
2. Dial ALARM (e.g., 351 or 3502) OR Press VOLUME key to make selection and press RIGHT soft key to move cursor	[351] ALARM NAME _
3. Enter name using method described above and press RIGHT soft key to return to step 2	[351] ALARM NAME FIRE!
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 212 Alarm Ringing Station**

MMC: 214 DISA ALARM RINGING STATION

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns the ringing destination for the DISA alarm. It is recommended that the person who can clear the alarm also receives the notification. Valid destinations for day and night mode, or for each ring plan, are stations and station groups.

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **214** Display shows	DISA ALARM RING D:500 N:500
2. Enter day destination (e.g., 212) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	DISA ALARM RING D:212 N:500
3. Enter night destination (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	DISA ALARM RING D:212 N:205
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Day 500 (50 for 408/408i)**
Night 500 (50 for 408/408i)

Related Items: **MMC 202 Change Feature Passcodes**
MMC 410 Assign DISA Trunk

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **214** Display shows	DISA ALARM RING 1:500 2:500
2. Press RIGHT soft key to move cursor Enter destination for ring plan 1 (e.g., 212) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	DISA ALARM RING 1:212 2:500
3. Enter destination for ring plan 2 (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key Repeat this step for all ring plans (1–6) required	DISA ALARM RING 1:212 2:205
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Station Group 500 (all ring plans)**

Related Items: **MMC 202 Change Feature Passcodes**
MMC 410 Assign DISA Trunk

MMC: 215 VOICE DIALLER OPTIONS

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns the VDIAL card with two (2) channels and seven (7) users or one (1) channel and five (5) users. When changing channel size, you will be prompted to 'clear RAM'. This is only for the Voice Dialler, not the system, and will prevent accidental usage of pre-recorded names. It is advised that you clear RAM before assigning users in MMC 216, Voice Dialler Assignments.

VDIAL cards are numbered with odd numbers. For example, the first VDIAL card in the system is numbered either 3551 or 355. The second channel, if used, will be numbered 3552 (or 356).The second VDIAL card is numbered 3553 (or 357), and a second channel 3554 (or 358). If only one channel is assigned, the even number 3552 or 3554 (356 or 358) will not appear in MMC 216.

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

ACTION	DISPLAY
1. Open programming and select **215** Display shows (e.g. 355)	355:VDIALER OPTN 2CH-7USER-20BIN
2. Enter Voice Dialler number OR Press VOLUME keys to make selection Press RIGHT soft key to move cursor	355:VDIALER OPTN 2CH-7USER-20BIN
3. Select channel option by pressing VOLUME key to view selection Press RIGHT soft key to make selection	355:VDIALER OPTN 1CH-5USER-40BIN
4. Enter 0 for NO or 1 for YES OR Press VOLUME keys key to view selection Press RIGHT soft key to make selection	355:VDIALER OPTN CLEAR RAM?NO 355:VDIALER OPTN CLEAR RAM?YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **2CH-7USER-20BIN**

Related Items:
MMC 216 Voice Dialler Assignments
MMC 722 Station Key Programming
MMC 723 System Key Programming
MMC 724 Dial Numbering Plan

MMC: 216 VOICE DIALLER ASSIGNMENTS

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows a station to be assigned to a channel of the VDIAL card, to dial a personal speed dial number. The number of users assigned to this feature is controlled by MMC 215, Voice Dialler Options, which allows either two (2) channels with seven (7) users or one (1) channel with five (5) users.

ACTION	DISPLAY
1. Open programming and select **216** Display shows (e.g. 355)	355:VDIALER USER USER 1 : NONE
2. Enter Voice Dialler number (e.g. 356) OR Press VOLUME key to make selection and press RIGHT soft key to move cursor	356:VDIALER USER USER 1 : NONE
3. Enter user number (1-7/1-5) dependent on number of users allowed via MMC 215 (e.g. 5) OR Press VOLUME keys to make selection Press RIGHT soft key to move cursor	356:VDIALER USER USER 5 : NONE
4. Enter station number (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 3 to continue with entries	356:VDIALER USER USER 5 : 205
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items:
- **MMC 215 Voice Dialler Options**
- **MMC 722 Station Key Programming**
- **MMC 723 System Key Programming**
- **MMC 724 Dial Numbering Plan**

MMC: 217 TRAFFIC REPORT PRINTOUT

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with a LAN interface only. For Compact I CCC Option, see MMC 217, below.)

The system can store statistics for various types of call made throughout the day and print them as a "traffic" report when required. This MMC allows you to print a report using selected criteria. The traffic report can be printed either on demand (manually) or automatically every hour, at a programmed time each day, or for up to three separately timed shifts.

For 'on-demand' printing, select MANUAL PRINTOUT. Then select one of the following options:

PRINT AND CLEAR	A report is printed and all totals are reset to 0 (zero).
PRINTOUT ONLY	A report is printed and all the totals are saved.
CANCEL PRINTOUT	Cancels printout.

For 'automatic' printing, select AUTO PRINT OPTN. Automatic printing will always clear the totals (set them to zero) when finished. Select one of the following options:

AUTO PRINT OFF	Automatic print feature is disabled.
DAILY HHMM:	A report is printed at the programmed time each day. Enter the time in 24-hour clock format (e.g. "HHMM:2359" is 11.59pm)
EVERY HOUR MM:	A traffic report will be printed every hour at the programmed minutes past the hour (e.g. "MM:30" is 30 minutes past the hour).
THREE TIME SHIFT	Up to three separate Start and End times may be programmed to report traffic within certain times of a day. A report is printed at each End time. Shifts are displayed as 1S, 2S and 3S. For each shift required, enter a start (S) time and an end (E) time in 24-hour clock format, e.g.

TRAFFIC REPORT **1S:S:0800 E:1259**	**TRAFFIC REPORT** **2S:S:1300 E:1759**	**TRAFFIC REPORT** **3S:S:1800 E:2200**

In this example, reports are printed for three shifts, 8.00am–12.59pm, 1.00pm–5.59pm and 6.00pm–10.00pm.

When a report is printed, the totals represent call statistics accumulated between the date and time printed as "BEGINNING:" and the date and time printed as "ENDING:". (For a sample report, refer to the *Samsung General Description* manual for your system.)

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

ACTION	DISPLAY
1. Open programming and select **217** Display shows	TRAFFIC REPORT MANUAL PRINTOUT
2. Press VOLUME keys to select MANUAL or AUTO and press RIGHT soft key	TRAFFIC REPORT AUTO PRINT OPT
3. Press VOLUME keys to select option and press RIGHT soft key	TRAFFIC REPORT DAILY HHMM:_
4. Enter time (e.g. 23.59pm)	TRAFFIC REPORT DAILY HHMM:2359
5. Press Transfer/ TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **No report**

Related Items: **MMC 804 System I/O Parameter**

MMC: 217 CCC OPTION

DCS	✗	CI	✓	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: (Compact I systems only. This MMC is related to 131 Cable & Wireless service. For *i*DCS systems Traffic Report Printout, see MMC 217, above.)

Used to select Call Cost Option.

ACTION	DISPLAY
1. Open programming and select **217** Display shows	CCC OPTION OPTION : NONE
2. Use VOLUME keys to scroll through options	CCC OPTION OPTION : STATION #
3. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 313 Assign PIN Code**

MMC: 219 COMMON RELAY SERVICE TYPE

DCS	✗	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✗	*i*DCS100	✓

Purpose: Defines the function of the common relays.

Compact II and *i*DCS100: The three common relays in the Misc card (363–365)
816: The common relay in the base board (362)
408/408i: The common relay in the base board (361).

Each relay can be used for one of the following:

0 EXTERNAL PAGE
1 COMMON BELL
2 LOUD BELL
3 NOT USED

ACTION	DISPLAY
1. Open programming and select **219** Display shows (e.g. 363)	[363]RELAY TYPE EXTERNAL PAGE
2. ***Compact II & iDCS100 only*** – dial relay number (e.g. 364) OR Press VOLUME keys to scroll through numbers and press RIGHT soft key to move cursor ***816/408/408i*** – press RIGHT soft key to move cursor	[364]RELAY TYPE EXTERNAL PAGE
3. Dial relay function 0–3 (e.g. 2–see table above) OR Press VOLUME keys to scroll through options and press RIGHT soft key	[364]RELAY TYPE LOUD BELL
4. ***Compact II & iDCS100 only*** –Repeat step 2 for next relay	[364]RELAY TYPE NOT USE
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **EXTERNAL PAGE**

Related Items:
MMC 203 Assign UA Device
MMC 204 Common Bell Control
MMC 205 Assign Loud Bell
MMC 601 Assign Station Group
MMC 605 Assign External Page Zone

MMC: 220 ISDN SERVICE TYPE

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns the ISDN service type for SLT stations. Services consist of BC (Bearer Capability) and HLC (High Layer Capability).

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

ACTION	DISPLAY
1. Open programming and select **220** Display shows	[213] ISDN SRV VOICE
2. Dial station number (SLT only) (e.g., 215) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[215] ISDN SRV VOICE
3. Select service type 0 - 3 (e.g. 2) OR Press VOLUME keys to select option and press RIGHT soft key	[215] ISDN SRV AUDIO 3.1
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **VOICE**

Related Items: **None**

MMC: 221 EXTENSION TYPE

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel application only.)
Defines stations for a specific use. Each telephone can be designated as one of the six types defined below. These types can be changed by dialling the type number (0–5) or by scrolling through the types and pressing the right soft key to select the type desired.

0 NORMAL STATION
This is the default setting. The station will operate in the normal manner associated with this type of station. Ports designated as VMAA in MMC 207 must be designated as 'normal' in this MMC.

1 GUEST SMOKING
When a station is designated as this type it will appear in room status and check-in features as a smoking room.

2 GUEST NO SMOKING
When a station is designated as this type it will appear in room status and check-in features as a non-smoking room.

3 MEETING ROOM
Stations designated as Meeting Rooms will have the same attributes as guest rooms with regard to cleaning and occupied status but will not show up while scrolling through room status lists.

4 ADMINISTRATOR
Only stations designated as Administrator stations can use Hotel features such as check in, check out, billing, etc.

5 FAX STATION
When a station is designated as a fax station it can be assigned as a 'pair' station to a Guest Smoking Room or Guest No Smoking Room in MMC 222.

ACTION	DISPLAY
1. Open programming and select **221** Display shows	[201] PHONE USE NORMAL STATION
2. Dial station number (e.g., 214) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[214] PHONE USE NORMAL STATION
3. Dial 0–5 to select station type (e.g. 2) OR Press VOLUME keys to select option and press RIGHT soft key	[214] PHONE USE GUEST NO SMOKING

4. Press Transfer / TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **NORMAL STATION**

Related Items: **MMC 207 Assign VM/AA Port**
MMC 222 Fax Pair

MMC: 222 FAX PAIR

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	iDCS500	✓	iDCS100	✓

Purpose: (Hotel application only.)

Enables a guest room to have a normal phone line and fax line simultaneously. Only a Guest No Smoking Room or Guest Smoking Room can be assigned a fax pair station which is already assigned as a fax station in MMC 221.

ACTION	DISPLAY
1. Open programming and select **222** Display shows	[201] FAX PAIR NONE
2. Dial guest extension number (e.g. 205) and press RIGHT soft key to move cursor OR Press VOLUME keys to select	[205] FAX PAIR NONE
3. Dial fax station number (e.g., 301) OR Press VOLUME keys to select fax station and press RIGHT soft key to move cursor	[205] FAX PAIR 301
4. Press Transfer / TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 221 Extension Type**

MMC: 224 WAKE-UP ANNOUNCEMENT

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (Hotel Application on *i*DCS500 systems only.)

Designed to enhance the Wake-Up (alarm) feature. The feature requires that an Automated Attendant (AA) card be installed in the system if a wake-up message is to be programmed. The system can be programmed to play the recorded message when a guest answers a wake-up call. The system accesses the message selected in this MMC: it can be one of the customized messages (01-48) recorded on the AA card, or one of the pre-recorded ROM messages (49-64).

There are three options.

AA GROUP — Determines which AA group will be connected when a Wake-Up call is answered.

MESSAGE NO — Determines which message will be played when a Wake-Up call is answered. Can be a custom-recorded message, 01-48, or one of the pre-recorded messages, 49-64.

GROUP BUSY — Determines which tone source will be connected when all AA group members are busy. This destination can be NONE, TONE or external music-on-hold. If NONE is set, dial tone is connected; if TONE is set, hold tone is connected.

Note: This feature can be accessed without an AA card installed. However, rather than providing a wake-up message, you can play only music-on-hold (MOH) as a wake-up announcement. In this case, you should select MOH as the source in the Group Busy option. Assign an AA Group (with no members) and enter any Message No.

ACTION	DISPLAY
1. Open programming and select **224** Display shows	WAKE-UP ANNOUNCE AA GROUP :NONE
2. Press RIGHT soft key to move cursor Enter group number (e.g. 520)	WAKE-UP ANNOUNCE AA GROUP :520
OR Press VOLUME keys to select and press RIGHT soft key	WAKE-UP ANNOUNCE MESSAGE NO :NONE
3. Press RIGHT soft key to move cursor Enter message number 01–64 (e.g. 01)	WAKE-UP ANNOUNCE MESSAGE NO :01
OR Press VOLUME keys to select and press RIGHT soft key	WAKE-UP ANNOUNCE GROUP BUSY :NONE

4. Press RIGHT soft key to move cursor
   Enter Group Busy source (e.g. TONE)
   OR
   Press VOLUME keys to select and press RIGHT soft key

WAKE-UP ANNOUNCE
GROUP BUSY :TONE

5. Press Transfer / TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **NONE**

Related Items: **MMC 112 Alarm Reminder**

MMC: 300 CUSTOMER ON/OFF PER STATION

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows the following features to be enabled or disabled on all or individual stations. (Some may not be available on your system.)

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 keyset to be used in speakerphone mode.

OFFHOOK RING — Allows a short burst of ring tone to indicate another call.

SMDR PRINT — When this is set OFF, C.O. calls to and from 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, calls can be forwarded to voice mail.

NGT PASSCODE — Enables/disables requirement for passcode when invoking night service.

INTRCOM SMDR
or
STN CALL PRT — When set OFF, the station will not print internal calls on SMDR.

FWD DLY USE — When this feature is set to ON, calls will overflow to the Forward No Answer destination when the Forward No Answer timer expires even when the Forward No Answer feature is not activated at the called party extension.

Set the Forward No Answer destination in MMC 102, Call Forward, but do *not* enable the feature. (Alternatively, use code 603 plus the station number, then code 600 to cancel the feature.)

FWD OVERRIDE — When set ON, the station overrides the call forward feature set on a called extension. (Used for operator positions.)

RCL TO OPER — Used for an operator's extension and in conjunction with a CTI operator's console. If a transferred call from an extension is returned as unanswered, it will return to the operator group and not the extension transferring the call.

ACTION	DISPLAY
1. Open programming and select **300** Display shows	[201] CUS.ON/OFF ACCESS DIAL :ON
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station	[205] CUS.ON/OFF ACCESS DIAL :ON
OR Press ANS/RLS for all and press RIGHT soft key to move cursor	[ALL] CUS.ON/OFF ACCESS DIAL :ON
3. Press VOLUME keys to select feature and press RIGHT soft key to move cursor	[ALL] CUS.ON/OFF ACCESS DIAL :ON
4. Dial 1 for ON or 0 for OFF OR Press VOLUME keys to select ON/OFF and press RIGHT soft key	[ALL] CUS.ON/OFF ACCESS DIAL :OFF
5. Press LEFT soft key to return to step 2 Press RIGHT soft key to return to step 1 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **STN CALL PRT : OFF**
FWD DLY USE : OFF
FWD OVERRIDE: OFF
RCL TO OPER.: OFF
All other features set ON

Related Items: **LCR programming**

MMC: 301 ASSIGN STATION COS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns a class of service (COS) to each station. A number of different classes of service can be defined in MMC 701, Assign COS Contents:

30 (01–30) for DCS, Compact II and *i*DCS systems;
10 (01–10) for 816 systems;
4 (1–4) for 408/408i systems.

For iDCS systems, a COS can be assigned to any or all of the six ring plans defined in MMC 507, Ring Plan Time. *For all other systems*, a COS can be assigned to both Day and Night modes. Night mode is defined in MMC 507, Assign Auto Night Time.

(Note: There are two separate versions of MMC 507: one for *i*DCS and one for other systems.)

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **301** Display shows	[201] STN COS DAY:01 NIGHT:01
2. Dial station number (e.g., 205) OR Press VOLUME keys to scroll through stations and press RIGHT soft key to advance to step 3 to enter Day COS OR Press VOLUME keys 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	[205] STN COS DAY:01 NIGHT: 01 OR [ALL] STN COS DAY:?? NIGHT:??
3. Enter day class of service (e.g., 05) OR Press VOLUME keys to scroll through classes of service and press RIGHT soft key to advance to step 4 to enter Night COS OR Press VOLUME keys to scroll through classes of service and press LEFT soft key to return to step 2 to enter other stations	[205] STN COS DAY:05 NIGHT:01

4. Enter night class of service (e.g., 05)
   OR
   Press VOLUME keys to scroll through classes of service and press RIGHT soft key to return to step 2 to enter other stations
   OR
   Press VOLUME keys to scroll through classes of service and press LEFT soft key to return to step 3

   [205] STN COS
   DAY:05 NIGHT:05

5. Press Transfer/TRSF to save and exit
   OR
   Press SPEAKER to save and advance to next MMC

Default Data: **Day class = COS 01 (or 1)**
Night class = COS 01 (or 1)

Related Items: **See *Related Items*, below**

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **301** Display shows	[201] STN COS 1:01 2:01 3:01
2. Dial station number (e.g., 205) OR Press VOLUME keys to scroll through stations and press RIGHT soft key OR Press ANS/RLS to select all stations	[205] STN COS 1:01 2:01 3:01 OR [ALL] STN COS 1:01 2:01 3:01
3. Press RIGHT soft key to move cursor to COS field for ring plan 1	[205] STN COS 1:01 2:01 3:01
4. Enter COS number (e.g. 05) OR Press VOLUME keys to scroll through COS numbers and press RIGHT soft key The cursor moves to the next ring plan Continue entering COS numbers for the desired ring plans. Use the RIGHT soft key to move between plans 1 and 6 as required. OR	[205] STN COS 1:05 2:01 3:01
5. Press Transfer/TRSF to save and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **Ring plans 1–6 = COS 01**

Related Items: **MMC 701 Assign COS Contents**

MMC: 302 PICKUP GROUPS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns stations into call pickup groups. Maximum number of pickup groups is:

DCS / CII / *i*DCS100:	20
816:	8
408/408i:	4
***i*DCS500:**	99

An unlimited number of members can belong to each group. Stations can only be in one pickup group at any given time.

ACTION	DISPLAY
1. Open programming and select **302** Display shows	[201] PICKUP GRP PICKUP GRP :01
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station number and press RIGHT soft key OR Press ANS/RLS key to select all	[205] PICKUP GRP PICKUP GRP :01 OR [ALL] PICKUP GRP PICKUP GRP :??
3. Dial pickup group number (e.g. 04) OR Press VOLUME keys to select group number	[205] PICKUP GRP PICKUP GRP :04
4. Press RIGHT soft key to return to step 2 to enter more stations OR Press LEFT soft key to return to step 3 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All stations = pickup group 01**

Related Items:
- MMC 107 Key Extender
- MMC 722 Station Key Programming
- MMC 723 System Key Programming

MMC: 303 ASSIGN BOSS/SECRETARY

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns BOSS stations to SECRETARY stations. One BOSS station can have up to four SECRETARY stations, and one SECRETARY station can have up to 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(s).

*Note: For 408/408i systems, a BOSS station can have up to two SECRETARY stations, and vice versa.

The "F" key is used to toggle the BOSS/SECRETARY field. (See key layouts in Part 1, section 1.5.2.)

ACTION	DISPLAY
1. Open programming and select **303** Display shows (If you want to set up the boss stations for a selected secretary station, press the F key to change the display to SECR STN. The following example describes setting up secretary stations for a selected boss station, but the procedure is the same for both.)	BOSS STN:NONE SECR 1:NONE
2. Dial BOSS station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key	BOSS STN :205 SECR 1:NONE
3. Dial SECRETARY station number (e.g., 201) OR Press VOLUME keys to select station Press RIGHT soft key to return to step 3 to enter more SECR numbers	BOSS STN:205 SECR 1:201 BOSS STN:205 SECR 2:202
4. Press LEFT soft key to return to step 2 and continue entries OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 722 Station Key Programming**

MMC: 304 ASSIGN STATION /TRUNK USE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows trunks, on a per-station basis, to answer incoming calls, to dial out or to do both. If a station is set to DIAL:NO, the station will not have the ability to place a call. If the station is set to ANS:NO, the station cannot answer an incoming call.

Note: MMC 406, Trunk Ring Assignment, overrides this MMC for the Answer option.

ACTION	DISPLAY
1. Open programming and select **304** Display shows	[201] USE [701] DIAL:YES ANS:YES
2. Dial the station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key	[205] USE [701] DIAL:YES ANS:YES
3. Dial the trunk number (e.g., 704) OR Press VOLUME keys to select trunk and press RIGHT soft key	[205] USE [704] DIAL:YES ANS:YES
4. Press VOLUME keys 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	[205] USE [704] DIAL:NO ANS:YES
Press VOLUME keys to select YES/NO Option OR Dial 1 for YES or 0 for NO and press RIGHT soft key to return to step 2	[205] USE [704] DIAL:NO ANS:NO
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **DIAL = YES**
ANS = YES

Related Items:
MMC 316 Copy Station Usable
MMC 406 Trunk Ring Assignment
MMC 722 Station Key Programming
MMC 723 System Key Programming

MMC: 305 ASSIGN FORCED CODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns forced account or authorisation codes on a per-station basis or on an all-station basis. Codes are verified against a system table. However, for *i*DCS systems, forced account codes can be either verified or not verified. If verified, the entered code is checked against a system table. Codes can include digits 0–9. If unverified, the entered code is not checked against the system table. Codes can include digits 0–9, ∗ and #.

FEATURE KEYS

DIAL	DCS / CII / 816 / 408(i)	*i*DCS
0	NONE	NONE
1	AUTHORIZE CODE	AUTHORIZE CODE
2	ACCOUNT CODE	ACCT VERIFIED
3	–	ACCT NO VERIFIED

ACTION	DISPLAY
1. Open programming and select **305** Display shows	[201] FORCD CODE NONE
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor OR Press ANS/RLS to select all stations	[205] FORCD CODE NONE OR [ALL] FORCD CODE ?
3. Dial a feature option 0–2 (e.g., 2) OR Press VOLUME keys to select option and press RIGHT soft key to return step 2	[205] FORCD CODE ACCOUNT CODE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: MMC 707 Authorisation Code
MMC 708 Account Code

MMC: 306 HOT LINE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows a station to make an automatic internal or external call upon the expiration of a timer (see MMC 501, System-Wide Timers: 'Off-Hook Select Timer' option) to a predetermined number when the handset is lifted. The number can be a maximum of 18 digits including pauses, flash etc., in the dial string (the access code for a trunk is not counted).

The following keys can also be used:

"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 "]")

(Refer to section 1.5.2 in Part 1 for key descriptions.)

ACTION	DISPLAY
1. Open programming and select **306** Display shows Press RIGHT soft key to advance cursor	[201] HOT LINE NONE
2. Enter station number (e.g. 201) OR Press VOLUME keys to make selection and press RIGHT soft key	[201] HOT LINE NONE
3. Enter station number to automatically dial via keypad (e.g. 202)—or press VOLUME keys to select OR	[201] HOT LINE 202
Enter a trunk to automatically dial (e.g. 701)—or press VOLUME keys to select—then press the RIGHT soft key and enter a maximum of 18 digits to dial.	[201] HOT LINE 701-01235987654_
4. Press RIGHT soft key to return to step 2	
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 501 System-Wide Timers (*Off-Hook Select Timer*)**

MMC: 308 ASSIGN BACKGROUND MUSIC SOURCE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns a background music (BGM) source to keysets.

DCS	At least one Trunk A card must be installed. 19 music selections are possible, depending on the number of Trunk A cards. One music source is provided per card. The default directory number of a BGM source is 3701–3719. (Internal music is always the odd numbered address, e.g. 3701, 3703.)
Compact II	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a BGM source is 371–372. (Internal music is always address 371.)
816 and 408/408i	There is a music source on the base board (switch select internal/external). The default directory number of a background music source is 371.
***i*DCS100**	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a BGM source is 371–372.
***i*DCS500**	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 370x.

Additionally, for any system, you may select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the BGM source will be the message defined in MMC 736 from the port defined in this MMC.

For example, if this MMC selects the music source for station 201 as 384 (the last port on the AA card) and MMC 736 selects message 20 for the AA card, extension 201 will hear message 20 from the installed AA card.

If you have a Voice Mail System installed you may also select a VM recording as a music source. The recording must already been defined in MMC 756 and will show up here as the VM port assigned with the recording.

ACTION	DISPLAY
1. Open programming and select **308** Display shows current setting	[201] BGM SOURCE BGM SOURCE:NONE
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor OR Press ANS/RLS to select all stations	[205] BGM SOURCE BGM SOURCE:NONE OR [ALL] BGM SOURCE BGM SOURCE:?
3. Enter source number (e.g., 3701) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[205] BGM SOURCE BGM SOURCE:3701
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items:
MMC 309 Assign Station Music On Hold
MMC 408 Assign Trunk Music On Hold Source
MMC 736 Assign AA MOH
MMC 756 Assign VM MOH

MMC: 309 ASSIGN STATION MUSIC ON HOLD

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects which Music-On-Hold (MOH) source can be heard on each station. There are four possible selections: TONE, NONE, internal music, and external music (from a customer-provided music source).

DCS	At least one Trunk A card must be installed. 19 music selections are possible, depending on the number of Trunk A cards. One music source is provided per card. The default directory number of an MOH source is 3701–3719. (Internal music is always the odd numbered address, e.g. 3701, 3703.)
Compact II	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of an MOH source is 371–372. (Internal music is always address 371.)
816 and 408/408i	There is a music source on the base board (switch select internal/external). The default directory number of an MOH source is 371.
***i*DCS100**	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of an MOH source is 371–372.
***i*DCS500**	Two external music sources are provided per Misc daughterboard installed.

Additionally, for any system, you may also select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the music source will be the message defined in MMC 736 from the port defined in this MMC.

For example, if this MMC selects the MOH source for station 201as 384 (the last port on the AA card) and MMC 736 selects message 20 for the AA card, extension 201 will play message 20 from the installed AA card when holding a call.

If you have a Voice Mail System installed you may also select a VM recording as a music source. The recording must already been defined in MMC 756 and will show up here as the VM port assigned with the recording.

ACTION	DISPLAY
1. Open programming and select **309** Display shows current setting	[201] STN MOH MOH SOURCE:NONE
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor OR Press ANS/RLS to select all stations	[205] STN MOH MOH SOURCE:NONE OR [ALL] STN MOH MOH SOURCE:?
3. Enter source number (e.g., 371) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[205] STN MOH MOH SOURCE:371
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items:
MMC 308 Assign Background Music Source
MMC 408 Assign Trunk Music On Hold Source
MMC 736 Assign AA MOH
MMC 756 Assign VM MOH

MMC: 310 LCR CLASS OF SERVICE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns the LCR class of service allowed for a station.

408/408i: One of four classes (1–4) can be assigned

All other systems: One of eight classes (1–8) can be assigned

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

Default Data: **Least Cost Routing COS 1**

Related Items: **LCR programming**

MMC: 311 ASSIGN SIM PARAMETER

DCS	✓	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: (DCS systems only.)

Assigns and sets parameters for the serial interface module (SIM). Refer to Tables 1–12, below.

ACTION	DISPLAY
1. Open programming and select **311** Display shows	[256] SIM PARA SIM TYPE :DTE
2. Enter station number connected to SIM (e.g., 257) from dial keypad OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	[257] SIM PARA. SIM TYPE :DTE
3. Enter desired selection from table 1 (00–10, e.g. 01) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	[257] SIM PARA. CALL MODE:AWITH
Refer to Table 1 for your selected option and go to the table indicated (e.g. Table 3) to enter required value (e.g. 0) using dial keypad or by pressing VOLUME keys Press RIGHT soft key to move cursor	[257] SIM PARA. CALL MODE:MANUAL
4. Repeat step 3 for all required options (00–10 in table 1)	
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

TABLE 1. SIM PARAMETER

00	SIM TYPE	=	Table 2
01	CALL MODE	=	Table 3
02	ANS MODE	=	Table 4
03	AUTO BAUD	=	Table 5
04	DTR CHECK	=	Table 6
05	ECHO	=	Table 7
06	PROTOCOL	=	Table 8
07	SPEED	=	Table 9
08	CHAR LENGTH	=	Table 10
09	PARITY	=	Table 11
10	STOP BIT	=	Table 12

TABLE 2. SIM TYPE 0 HOST 1 MODEM 2 DTE 3 PRT	**TABLE 8. PROTOCOL** 0 V110 1 V120
TABLE 3. CALL MODE 0 MANUAL 1 AUTO WITH 2 AUTO WITHOUT	**TABLE 9. SPEED TABLE** 0 300 1 600 2 1200 3 2400 4 4800 5 9600 6 19200 7 38400 8 48000 9 56000
TABLE 4. ANS MODE 0 MANUAL 1 AUTO	
TABLE 5. AUTO BAUD 0 OFF 1 ON	**TABLE 10. CHAR LENGTH** 0 8 1 7 2 6 3 5
TABLE 6. DTR CHECK 0 OFF 1 ON	**TABLE 11. PARITY TABLE** 0 NONE 1 ODD 2 EVEN
TABLE 7. ECHO 0 OFF 1 ON	**TABLE 12. STOP BIT** 0 1 1 1.5 2 2

Default Data:

SIM Type = DTE
Call Mode = Manual
Ans Mode = Manual
Auto Baud = ON
DTR Check = ON
Echo = ON
Protocol = V110
Speed = 9600
Char Length = 8 Bits
Parity = None
Stop Bit = 1

Related Items: **MMC 804 System I/O Parameter**

MMC: 312 ALLOW CLIP

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Defines whether keysets will:

- allow or prevent receipt of CLIP information;
- request or restrict sending of CLIP information.

Each station can have the following options:

SND: YES - request that Caller ID be sent when outgoing call is made. *
NO - request that Caller ID not be sent when outgoing call is made.

RCV: YES - allow display of CLIP data at keyset.
NO - prevent display of CLIP data at keyset(s).

* *i*DCS systems use MMC 323 to determine what CLIP information is sent. Other systems display the following if YES is selected for the SND option, so you can choose the required CLIP information:

INFO: Select the CLIP display option from:
0 CO Tel
1 Extn. Number
2 CO + Extn. No.
3 DID Number.

ACTION	DISPLAY
1. Open programming and select **312** Display shows	[201] ALLOW CLIP RCV:YES SND:YES
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor OR Press ANS/RLS to select all	[205] ALLOW CLIP RCV:YES SND:YES OR [ALL] ALLOW CLIP RCV:YES SND:YES
3. Dial 0 (NO) or 1 (YES) to select RCV option (e.g. 1) OR Press VOLUME keys to select option and press RIGHT soft key to move cursor to SND field	[205] ALLOW CLIP RCV:YES SND:YES

4. Dial 0 (NO) or 1 (YES) to select SND option (e.g. 1)
   OR
   Press VOLUME keys to select option and press RIGHT soft key

   [205] ALLOW CLIP
   RCV:YES SND:YES

   For all systems except iDCS – If you selected YES for SND option, display shows

   [205] ALLOW CLIP
   INFO:C.O Tel.

   Dial 0–3 to select INFO option
   OR
   Press VOLUME keys to select
   Press RIGHT soft key

5. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to save and advance to next MMC

Default Data : **RCV=YES**
SND=YES
INFO=CO Tel

Related Items: **MMC 119 CLIP Display**
MMC 323 Send CLIP Number

MMC: 313 ASSIGN PIN CODE

DCS	✗	CI	✓	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: (Compact I systems only. This MMC is related to 131 Cable & Wireless service.)

Assigns individual users to PIN codes in the system. For Cable & Wireless 131 service there is a maximum of four PIN codes allocated in the system, so users must be assigned to the PIN code used when dialling out on a Cable & Wireless Network.

ACTION	DISPLAY
1. Open programming and select **313** Display shows	[201] PIN CODE PIN CODE # : NONE
2. Dial the station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to advance to step 3	[205] PIN CODE PIN CODE # : NONE
3. Enter the pin code serial number (1, 2, 3 or 4) e.g. 1	[205] PIN CODE PIN CODE # : 1
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All stations are code #1**

Related Items:
- MMC 217 CCC Option
- MMC 716 UK LCR Option
- MMC 717 Pin Code

MMC: 314 CONFIRM OUTGOING CALL

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows outgoing call restriction for all or individual stations. Calls can be disconnected or a confirmation tone sounded at a programmed time (refer to the CO Confirm timer in MMC 501).

FEATURE KEYS

0 NONE
1 CONFIRM TONE
2 DISCONNECT

ACTION	DISPLAY
1. Open programming and select **314** Display shows	[201] CO CONFIRM NONE
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] CO CONFIRM NONE
3. Dial a feature option 0-2 (e.g., 1) OR Press VOLUME keys to select option and press RIGHT soft key to return to step 2	[205] CO CONFIRM CONFIRM TONE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 501 System-Wide Timers**

MMC: 315 SET RELOCATION

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Used to exchange information associated with two stations or add-on modules (AOMs). All individual station assignments such as trunk ring, station group, station COS, station speed dial and key assignments are swapped. A user can then relocate to the new station and operate it exactly like their original station. The stations being exchanged must be idle for this program to work, and programming done from a different keyset.

There are two important rules to follow:

1. You cannot exchange DCS (Euro) keysets with *i*DCS series keysets.
2. Generally, you can only exchange keysets or AOMs of the same type (e.g. 6B with 6B, 48B with 48B).

However, there are exceptions to the second rule:

- You can exchange a Euro 12B for a Euro 24B keyset, and vice versa.[1]
- You can exchange an *i*DCS 18D for an *i*DCS 28D keyset, and vice versa.[2]
- You can exchange a DCS 48B AOM for an *i*DCS 64B AOM, and vice versa.[3]

Refer to the table, below, to determine which devices can be exchanged. Attempting to exchange incompatible devices will result in an error message display ("INVALID DATA").

Note:

[1] If you are exchanging a Euro 12B and 24B keyset, be aware that the 12B keyset will assume the key assignments for the first 12 keys on the 24B keyset. Conversely, the first 12 keys on the 24B keyset will assume the key assignments for the 12B keyset.

[2] If you are exchanging an *i*DCS 28D and 18D keyset, remember that for 18D keysets the first 10 programmable keys are numbered 01–10 and the last eight keys are numbered 21–28 (*not* 11–18). When you exchange 18D and 28D keysets you copy keys 01–10 to keys 01–10 and keys 21–28 to keys 21–28. Keys 11-20 on 28D keysets will not be copied.

[3] If you are exchanging a 48B AOM and a 64B AOM, the 48D keyset will assume the key assignments for the first 48 keys on the 64B AOM. Conversely, the first 48 keys on the 64B AOM will assume the key assignments for the 48B AOM. You must first remove any association with master stations, using MMC 209, otherwise an error message will be displayed ("ERROR:AOM MASTER").

Exchange Allowed Table	SLT	DCS (EURO) 6B	DCS (EURO) 12B	DCS (EURO) 24B	DCS 48B AOM	*i*DCS 64B AOM	*i*DCS 28D	*i*DCS 18D	*i*DCS 8D
SLT	YES	NO	NO	NO	NO	NO	NO	NO	NO
DCS (EURO) 6B	NO	YES	NO	NO	NO	NO	NO	NO	NO
DCS (EURO) 12B	NO	NO	YES	YES	NO	NO	NO	NO	NO
DCS (EURO) 24B	NO	NO	YES	YES	NO	NO	NO	NO	NO
DCS 48B AOM	NO	NO	NO	NO	YES	YES	NO	NO	NO
***i*DCS 64B AOM**	NO	NO	NO	NO	YES	YES	NO	NO	NO
***i*DCS 28D**	NO	NO	NO	NO	NO	NO	YES	YES	NO
***i*DCS 18D**	NO	NO	NO	NO	NO	NO	YES	YES	NO
***i*DCS 8D**	NO	NO	NO	NO	NO	NO	NO	NO	YES

ACTION	DISPLAY
1. Open programming and select **315** Display shows	SET RELOCATION EXT_ EXT
2. Dial the original station number (e.g. 205) OR Press VOLUME keys to select station and press RIGHT soft key	SET RELOCATION EXT205 EXT_
3. Dial the new location's station number (e.g. 210)	SET RELOCATION EXT205 EXT210
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 316 COPY STATION USABLE

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Copies station/trunk assignments set in MMCs 304 and 317 from one station (source) to another (destination). Individual or all stations can be selected as the destination.

ACTION	DISPLAY
1. Open programming and select **316** Display shows	[201] CPY USABLE FROM:NONE
2. Enter destination station number (e.g. 205) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor OR Press ANS/RLS to select all stations	[205] CPY USABLE FROM:NONE
3. Enter the source station number (e.g. 210) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	[205] CPY USABLE FROM:210
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 304 Assign Station/Trunk Use**
MMC 317 Assign Station/Station Use

MMC: 317 ASSIGN STATION / STATION USE

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Controls whether a station can dial other stations.

ACTION	DISPLAY
(In the following example, station 205 is not allowed to dial station 204.)	
1. Open programming and select **317** Display shows	[201] USE [201] DIAL:YES
2. Dial the first station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key OR Press ANS/RLS to select all stations	[205] USE [201] DIAL:YES
3. Dial the second station number (e.g., 204) OR Press VOLUME keys to select station and press RIGHT soft key	[205] USE [204] DIAL:YES
4. Dial 1 for YES or 0 for NO OR Press VOLUME keys to select YES/NO and press RIGHT soft key to move cursor	[205] USE [204] DIAL:NO
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **DIAL=YES**

Related Items: MMC 316 Copy Station Usable

MMC: 318 DISTINCTIVE RING

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets a distinctive ring for stations when calling other stations or for trunks calling stations. You can set the tone (T) for keysets to one of eight ring values (1-8), or the cadence (C) of SLTs to one of five ring values (1–5). The default for both is to follow the station ring (F-STN).

TONE	DESCRIPTION
F-STN	Calls from the programmed station or trunk will ring keysets with the keyset users' choice of ring frequency.
1–8	Calls from the programmed station or trunk will ring keysets with this ring frequency.

CADENCE	DESCRIPTION
F-STN	Calls from the programmed station or trunk will ring with the normal SLT ring cadences.
1	Calls from the programmed station or trunk will ring SLTs with the intercom ring cadence.
2	Calls from the programmed station or trunk will ring SLTs with the CO ring cadence.
3	Calls from the programmed station or trunk will ring SLTs with the DOOR ring cadence.
4	Calls from the programmed station or trunk will ring SLTs with the ALARM ring cadence.
5	Calls from the programmed station or trunk will ring SLTs with the CALLBACK ring cadence.

ACTION	DISPLAY
1. Open programming and select **318** Display shows	[201] DIST.RING T:F-STN C:F-STN
2. Dial station or trunk number (e.g., 205) OR Press VOLUME keys to select station or trunk and press RIGHT soft key to move cursor	[205] DIST.RING T:F-STN C:F-STN
3. Press VOLUME keys to select T value (e.g. 1) and press RIGHT soft key to move cursor to C field	[205] DIST.RING T:1 C:F-STN
4. Press VOLUME keys to select C value (e.g. 2)	[205] DIST.RING T:1 C:2

5. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to save and advance to next MMC

Default Data : **T: F-STN**
C: F-STN

Related Items: **None**

MMC: 319 BRANCH GROUP

Not Used in the UK / EU

MMC: 320 PRESET FORWARD NO ANSWER

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (***i*DCS systems only.)**

Assigns a default destination for Forward No Answer (FNA) to each station on the system. These destinations may be different for each station or they may be the same. A destination can be designated as valid for internal (INT) calls or external (EXT) calls, or both (BOTH). This FNA destination will be temporarily overwritten if the station user enters a different FNA destination on their phone. If the user cancels the new destination, this preset destination will once more be in effect.

Preset FNA time follows the Station No Answer Forward timer (MMC 502). Refer also to the Preset Busy option in MMC 210.

ACTION	DISPLAY
1. Open programming and select **320** Display shows	[201] PRESET FNA NONE OPT:BOTH
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor OR Press ANS/RLS for all stations	[205] PRESET FNA NONE OPT:BOTH
3. Dial destination number (e.g. 549) OR Press VOLUME keys to select destination and press RIGHT soft key	[205] PRESET FNA 549 OPT:BOTH
4. Dial 1–3 for INT, EXT or BOTH (e.g. 2) OR Press VOLUME keys to select call type	[205] PRESET FNA 549 OPT:EXT
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 102 Call Forward**
MMC 502 Station-Wide Timers

MMC: 321 KEYSET TYPE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (***i*DCS500 'L' systems only.)**

Assigns each display keyset as DISPLAY or NON-DISPLAY. In order to be able to use the Text Messaging feature, a display keyset must be programmed as a DISPLAY keyset. The Text Messaging feature allows two programmed DISPLAY keysets to send text messages between them when one is attempting to camp-on a call or voice announce to the other when the latter is busy.

ACTION	DISPLAY
1. Open programming and select **321** Display shows	[201] KTS TYPE NON DISPLAY
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor OR Press ANS/RLS for all stations	[205] KTS TYPE NON DISPLAY
3. Press VOLUME keys to select DISPLAY or NON DISPLAY and press RIGHT soft key	[205] KTS TYPE DISPLAY
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **NON-DISPLAY**

Related Items: **MMC 715 Programmed Station Message**
MMC 115 Set Programmed Message

MMC: 323 SEND CLIP NUMBER

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (***i*DCS systems only.)**

Allows a number (16-digit maximum) to be entered and associated with a station number on a per-PRI/BRI basis. When this station makes an outgoing call, the number entered will be the CLIP number sent. Numbers are entered into a table. There are four tables for an *i*DCS500 'L' system and two for other *i*DCS systems.

If no entry exists in a table for a station, the system uses the number for the trunk entered in MMC 405 Trunk Number as the CLIP number to send.

ACTION	DISPLAY
1. Open programming and select **323** Display shows	[201] SEND CLIP 1:
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] SEND CLIP 1:
3. Dial table number (e.g. 2) OR Press VOLUME keys to select table and press RIGHT soft key	[205] SEND CLIP 2:_
4. Enter CLIP number (max 16 digits) and press RIGHT soft key	[205] SEND CLIP 2:01234567891
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **None**

Related Items:
MMC 405: Trunk Number
MMC 419: BRI Options
MMC 420: PRI Options
MMC 831: VOIP Parameters

MMC: 400 CUSTOMER ON/OFF PER TRUNK

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns the following options on a per-trunk basis.

OPTIONS

0	1A2 EMULATE*	Trunk override call (NO PRIVACY)
1	TRUNK INC DND	Allows trunk to override DND (DIL)
2	TRUNK FORWARD	Allows trunk to be forwarded
3	LCR ALLOW	Allows LCR to be switched ON/OFF when a trunk is directly accessed.
4	EFWD EXT CLI	External forward external CLI number (on/off). Set **OFF**: If incoming external call includes CLI, this is sent to the external forward destination. If incoming external call does not include CLI, the CLI number of the forwarding station is sent to the external forward destination. Set **ON**: Only the CLI number of the forwarding station is sent to the external forward destination.

* Note: '1A2 Emulate' means that other stations (up to a total of four) can join an existing trunk conversation by pressing the DTS key for the trunk on their keyset

ACTION	DISPLAY
1. Open programming and select **400** Display show	[701] TRK ON/OFF 1A2 EMULATE:OFF
2. Dial trunk number (e.g. 704) OR Press VOLUME keys to select trunk OR Press ANS/RLS for all trunks and press RIGHT soft key to move cursor to options	[704] TRK ON/OFF 1A2 EMULATE:OFF OR [ALL] TRK ON/OFF 1A2 EMULATE :?
3. Dial option number from above list (0–4, e.g. 2) OR Press VOLUME keys to select option and press RIGHT soft key to move cursor	[704] TRK ON/OFF TRK FORWARD :ON

4. Dial 1 for ON or 0 for OFF
   OR
   Press VOLUME keys to select ON/OFF and press RIGHT soft key to return to step 2

[704] TRK ON/OFF
TRK FORWARD: OFF

5. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:	**1A2 EMULATE**	**Off**
	TRUNK INC DND	**Off**
	TRUNK FORWARD	**On**
	LCR ALLOW	**Off**
	EFWD EXT CLI	**On**

Related Items: **None**

MMC: 401 C.O. / PBX LINE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects the mode of the C.O. line. If 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. Options are:

0 CO LINE
1 PBX LINE

ACTION	DISPLAY
1. Open programming and select **401** Display shows	[701] PBX LINE CO LINE
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move cursor OR Press ANS/RLS to select ALL	[704] PBX LINE CO LINE OR [ALL] PBX LINE ?
3. Dial 1 for PBX or 0 for C.O. OR Press VOLUME keys to scroll through options Press RIGHT soft key to return to step 2	[704] PBX LINE PBX LINE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All trunks C.O. Line**

Related Items: **None**

MMC: 402 TRUNK DIAL TYPE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Determines the dialling type of each C.O. line. There are two options:

0 DTMF TYPE (dual tone multi frequency)

1 DIAL PULSE TYPE (rotary dial)

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

Default Data: **All trunks DTMF**

Related Items: **MMC 501 System-Wide Timers**
MMC 503 Trunk-Wide Timers

MMC: 403 TRUNK TOLL CLASS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns toll class level assignments on a per-trunk or all-trunk basis. Selections can be made for day and night mode, or for each ring plan (1–6), depending on your system. 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 available are listed below:

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)

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **403** Display shows	[701] TOLL CLASS D:F-STN N:F-STN
2. Dial trunk number (e.g.704) OR Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move the cursor OR Press ANS/RLS to select ALL	[704] TOLL CLASS D:F-STN N:F-STN OR [ALL] TOLL CLASS D:F-STN N:F-STN
3. Enter day toll class (e.g. 2 for CLS-B) OR Press VOLUME keys to scroll through toll classes and use RIGHT soft key to move the cursor	[704] TOLL CLASS D:CLS-B N:F-STN
4. Enter night toll class (e.g., 2) OR Press VOLUME keys to scroll through toll classes and use RIGHT soft key to return to step 2	[704] TOLL CLASS D:CLS-B N:CLS-B
5. Press Transfer/TRSF to store data and exit OR Press SPEAKER to store data and advance to next MMC	

Default Data: **All trunks F-STN**

Related Items: **See *Related Items* below**

■ For *i*DCS systems

1. Open programming and select **403**
   Display shows

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

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

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

   OR

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

3. Press RIGHT soft key to move the cursor

   Enter toll class for ring plan 1 (e.g. 2 for CLS-B)
   OR
   Press VOLUME keys to scroll through toll classes and use RIGHT soft key to move the cursor

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

4. Enter toll class for ring plan 2 (e.g., 2)
   OR
   Press VOLUME keys to scroll through toll classes and press RIGHT soft key

   Continue entering classes for ring plans 3–6

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

5. Press Transfer/TRSF to store data and exit
   OR
   Press SPEAKER to store data and advance to next MMC

Default Data: **All trunks F-STN**

Related Items: **MMC 301 Assign Station COS**
MMC 507 Assign Ring Plan Time (*i*DCS systems) or
MMC 507 Assign Auto Night Time (other systems)
MMC 701 Assign COS Contents
Toll Restriction

MMC: 404 TRUNK NAME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows a name, up to 11 characters, to be entered to identify an individual trunk.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the name is "TELECOMS", press the number "8" once to get the letter "T". Now press the number "3" twice to get the letter "E." Continue selecting characters from the keypad to complete the name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **404** Display shows	[701] TRUNK NAME
2. Dial trunk (e.g., 704) OR Press VOLUME keys to select trunk and press the RIGHT soft key to move the cursor	[704] TRUNK NAME _
3. Enter trunk name using the procedure described above Press RIGHT soft key to return to step 2	[704] TRUNK NAME TELECOMS
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **No names entered**

Related Items: **MMC 104 Station Name**
MMC 405 Trunk Number

MMC: 405 TRUNK NUMBER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows a number, up to 11 digits, to be entered to identify an individual trunk.

Numbers are entered using the keypad. Pressing a key selects a digit and moves the cursor to the next position.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **405** Display shows	[701] CO TEL NO.
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to select trunk and press RIGHT soft key to move the cursor	[704] CO TEL NO. _
3. Enter the identifying trunk number	[704] CO TEL NO. 3054264100
4. Press RIGHT soft key to return to step 2 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **No numbers entered**

Related Items: **MMC 404 Trunk Name**

MMC: 406 TRUNK RING ASSIGNMENT

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enables ringing to a specific station or a group of stations (or an auto attendant for systems other than 408/408i) when incoming calls are received. Destinations can be entered for both day and night modes or for each ring plan (1–6), depending on your system.

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **406** Display shows	[701] TRK RING D:500 N:500
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to scroll through trunk numbers and press the RIGHT soft key to move the cursor	[704] TRK RING D:500 N:500
3. Dial station number or station group number for day (e.g., 205) OR Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor	[704] TRK RING D:205 N:500
4. Dial station number or station group number for night (e.g., 501) OR Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor	[704] TRK RING D:205 N:501
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All trunks 500 (day and night) (50 for 408/408i)**

Related Items: **See *Related Items* below**

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **406** Display shows	[701] TRK RING 1:500 2:500
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to scroll through trunk numbers and press the RIGHT soft key to move the cursor	[704] TRK RING 1:500 2:500
3. Press the RIGHT soft key to move the cursor Dial station number or station group number for ring plan 1 (e.g., 205) OR Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor	[704] TRK RING 1:205 2:500
4. Dial station number or station group number for ring plan 2 (e.g., 501) OR Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor Continue to select destinations for ring plans 3–6 (If you do not select destinations for ring plans 2–6, the destination for ring plan 1 is used)	[704] TRK RING 1:205 2:501
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All trunks ring 500**

Related Items:
MMC 202 Change Feature Passcodes
MMC 507 Assign Ring Plan Time (*i*DCS systems) or
MMC 507 Assign Auto Night Time (other systems)
MMC 601 Assign Station Group

MMC: 407 FORCED TRUNK RELEASE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

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

ACTION	DISPLAY
1. Open programming and select **407** Display shows	[701] TRK RELS. RELEASE? Y:1,N:0
2. Dial trunk number (e.g., 704) OR Press VOLUME keys selected trunk and press RIGHT soft key OR Press ANS/RLS to select all trunks	[704] TRK RELS. RELEASE?_Y:1,N:0 [ALL] TRK RELS. RELEASE?_Y:1,N:0
3. Dial 1 for YES or 0 for NO (e.g. 1) System returns to step 2	[704] TRK RELS. RELEASE? Y:1,N:0
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 603 Assign Trunk Group**

MMC: 408 ASSIGN TRUNK MUSIC-ON-HOLD SOURCE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects which Music-On-Hold (MOH) source can be heard on each trunk. The possible selections are: TONE, NONE, internal or external (customer-provided MOH source).

DCS	At least one Trunk A card must be installed. 19 music selections are possible, depending on the number of Trunk A cards. One music source is provided per card. The default directory number of a music source is 3701–3719. (Internal music is always the odd numbered address, e.g. 3701, 3703.)
Compact II	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a music source is 371–372. (Internal music is always address 371.)
816 and 408/408i	There is a music source on the base board (switch select internal/external). The default directory number of a music source is 371.
***i*DCS100**	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a music source is 371–372.
***i*DCS500**	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 370x.

Additionally, for any system, you may also select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the music source will be the message defined in MMC 736 from the port defined in this MMC.

For example, if this MMC selects the music source for station 201as 384 (the last port on the AA card) and MMC 736 selects message 20 for the AA card, extension 201 will hear message 20 from the installed AA card.

If you have a Voice Mail System installed you may also select a VM recording as a music source. The recording must already been defined in MMC 756 and will show up here as the VM port assigned with the recording.

ACTION	DISPLAY
1. Open programming and select **408** Display shows current setting	[701] TRK MOH MOH SOURCE:TONE
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move cursor OR Press ANS/RLS to select ALL	[704] TRK MOH MOH SOURCE:TONE OR [ALL] TRK MOH MOH SOURCE:?
3. Enter source number (e.g., 3701) OR Press VOLUME keys to select option Press RIGHT soft key to return to step 2 above	[704] TRK MOH MOH SOURCE:3701
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **TONE**

Related Items: **MMC 308 Assign Background Music Source**
MMC 736 Assign AA MOH
MMC 756 Assign VM MOH

MMC: 409 TRUNK STATUS READ

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: **(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.

The options displayed are shown in the table over the page.

ACTION	DISPLAY
1. Open programming and select **409** Display shows (e.g. for Compact II)	[701] TRK STATUS PORT NO::EX1-01
2. Enter trunk number (e.g., 704) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	[704] TRK STATUS PORT NO::EX1-04
3. Enter desired option 00-19 from table OR Press VOLUME keys to make selection	[704] TRK STATUS 1A2 EMULATE:OFF
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Follows trunk**

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

Dial	DCS	COMPACT II, 816 & 408/408i	*i*DCS
00	Port Number	Port Number	Port Number
01	Tenant Number	Type: e.g. LOOP, DDI, BRI, PRI …	Type: e.g. LOOP, DDI, BRI, PRI …
02	Type: e.g. LOOP, DDI, BRI, PRI …	1A2 Emulation Status (On/Off)	1A2 Emulation Status (On/Off)
03	1A2 Emulation Status (On/Off)	Trunk Forward Status (On/Off)	Trunk Forward Status (On/Off)
04	Trunk Forward Status (On/Off)	Line Type (CO/PBX)	Line Type (CO/PBX)
05	Line Type (CO/PBX)	Dial Type (DTMF/Dial Pulse)	Dial Type (DTMF/Dial Pulse)
06	Dial Type (DTMF/Dial Pulse)	Day Toll Restriction	Ring Plan Toll Restriction (1)
07	Day Toll Restriction	Night Toll Restriction	Ring Plan Toll Restriction (2)
08	Night Toll Restriction	Day Ring Destination	Ring Plan Toll Restriction (3)
09	Day Ring Destination	Night Ring Destination	Ring Plan Toll Restriction (4)
10	Night Ring Destination	MOH Source	Ring Plan Toll Restriction (5)
11	MOH Source	DISA Status	Ring Plan Toll Restriction (6)
12	DISA Status	–	Ring Plan Ring Destination (1)
13	–	–	Ring Plan Ring Destination (2)
14	–	–	Ring Plan Ring Destination (3)
15	–	–	Ring Plan Ring Destination (4)
16	–	–	Ring Plan Ring Destination (5)
17	–	–	Ring Plan Ring Destination (6)
18	–	–	MOH Source
19	–	–	DISA Status

MMC: 410 ASSIGN DISA TRUNK

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows the system to have Direct Inward System Access (DISA). Because there is a possibility that unauthorised calls will be made via this feature, several safe-guards have been added. Users 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 ring back tone until a 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. Multiple central office calls and internal calls are possible.

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

■ For all systems except *i*DCS

DISA can be made available in day mode, night mode or both

FEATURE KEYS

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

ACTION	DISPLAY
1. Open programming and select **410** Display shows	[701] DISA LINE NORMAL
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to select trunk and press RIGHT soft key OR Press ANS/RLS key to select all trunks	[704] DISA LINE NORMAL OR [ALL] DISA LINE ?
3. Dial an option (0–3) from above table OR Press VOLUME keys to select trunk and press RIGHT soft key to return to step 2	[704] DISA LINE NIGHT
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All trunks NORMAL**

Related Items: **See *Related Items*, below**

■ For *i*DCS systems

DISA availability must be assigned to ring plans.

ACTION	DISPLAY
1. Open programming and select **410** Display shows	[701] 123456 DISA LINE:000000
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to select trunk and press RIGHT soft key OR Press ANS/RLS key to select all trunks	[704] 123456 DISA LINE:000000 OR [ALL] 123456 DISA LINE:000000
3. Press VOLUME keys to move to required ring plan (1–6) (Use UP to move right, DOWN to move back) Dial 1 to select the ring plan (or 0 to deselect) and press RIGHT soft key to return to step 2	[704] 123456 DISA LINE:001000
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All trunks=000000**

Related Items: **MMC 101 Change User Passcode**
MMC 500 System-Wide Counters
MMC 210 Customer On/Off (DISA PSWD option)

MMC: 411 ASSIGN E1 SIGNAL TYPE

Not Used in UK / EU

MMC: 412 ASSIGN TRUNK SIGNAL

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows for the assignment of AC15 cards for proper signalling. This MMC is only for analogue types of AC15 trunks. These trunks can also use the translation tables in MMC 714. The AC15 trunks are allowed the use of translation tables via MMC 416. The signalling condition types are as follows:

0 IMMEDIATE START
1 DELAYED START
2 WINK START
3 NO ANSWER BACK
4 DIRECT BACK

ACTION	DISPLAY
1. Open programming and select **412** Display shows	[701] TRK SIGNAL IMMEDIATE START
2. Enter desired trunk number (e.g., 705) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor OR Press ANS/RLS to select all trunks	[705] TRK SIGNAL IMMEDIATE START
3. Enter desired trunk type selection from above list (e.g. 2) OR Press VOLUME keys to make selection and press RIGHT soft key	[705] TRK SIGNAL WINK START
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All AC15 trunks set to IMMEDIATE START**

Related Items: **MMC 416 Assign AC15 Translation**
MMC 714 DDI Number and Name Translation

MMC: 413 VMS CALL TYPE

DCS	✗	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: **(Compact II systems operating SVM-800 Voice Mail / Auto Attendant only.)**

Sets the answering mode for the SVM-800.

OPTIONS

Options are selectable Yes/No (Y/N).

AP ANSWER PHONE
AT AUDIO TEXT
AA AUTO ATTENDANT
VM VOICE MAIL

ACTION	DISPLAY
1. Open programming and select **413** Display shows	[701] CTYPE AP:N AT:N AA:Y VM:N
2. Enter desired trunk number (e.g., 705) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor OR Press ANS/RLS to select all trunks	[705] CTYPE AP:N AT:N AA:Y VM:N
3. Press RIGHT soft key to move cursor to required option (e.g. VM) Dial 1 for Y (Yes) to select, or 0 for N (No) OR Press VOLUME keys to make selection and press RIGHT soft key	[705] CTYPE AP:N AT:N AA:Y VM:Y
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:
AP: NO
AT: NO
AA: YES
VM: NO

Related Items: **None**

MMC: 414 MPD/PRS SIGNAL

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Used on a per-trunk basis to define if a C.O. line is to be either a Metering Pulse Detection (MPD) or a Polarity Reversal Signal (PRS) trunk. (PRS is not available in the UK.)

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.

ACTION	DISPLAY
1. Open programming and select **414** Display shows	[701] TRK PRS NONE
2. Enter desired trunk number (e.g. 705) OR Press VOLUME keys to select trunk and use LEFT or RIGHT soft key to move cursor	[705] TRK PRS NONE
3. Press VOLUME keys to scroll through options and use LEFT or RIGHT soft key to return to step 2	[705] TRK PRS MPD
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 503 Trunk-Wide Timers**
MMC 508 Call Cost

MMC: 415 REPORT TRUNK ABANDON DATA

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enables or disables the reporting of abandoned C.O. calls for which CLIP information has been collected on a per-trunk basis. There are two options:

0 REPORT : NO	Abandoned call records for incoming calls with CLIP information will not be printed on SMDR or stored in the system abandoned call 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 abandoned call list. These records will also be stored in the station review list.

Note: In order for these abandoned call records to print on SMDR, use MMC 725 (SMDR Options) and set Option 11 - Abandon Call - to YES.

ACTION	DISPLAY
1. Open programming and select **415** Display shows	[701] TRK ABNDN REPORT : YES
2. Dial trunk number (e.g. 705) OR Press VOLUME keys to select trunk and use LEFT or RIGHT soft key to move cursor	[705] TRK ABNDN REPORT : YES
3. Dial 1 for YES or 0 for NO (e.g. 0) OR Press VOLUME keys to scroll through options and use LEFT or RIGHT soft key to return to step 2	[705] TRK ABNDN REPORT : NO
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data : **REPORT: YES**

Related Items:
- **MMC 119 CLIP Display**
- **MMC 312 Allow CLIP**
- **MMC 608 Assign CLIP Review Block**
- **MMC 722 Station Key Programming**
- **MMC 723 System Key Programming**
- **MMC 725 SMDR Options**
- **MMC 728 CLIP Translation Table**

MMC: 416 ASSIGN AC15 TRANSLATION

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: **(This version of MMC 416 is not valid for *i*DCS systems. Refer instead to MMC 416, Assign E&M/DID Ringdown, next.)**

Provides an AC15 tieline with the ability to use DDI translation tables. Options are:

0 UNUSE DID TRANS (Follows MMC 406)
1 USE DID TRANS (Follows MMC 714)

ACTION	DISPLAY
1. Open programming and select **416** Display shows	[701] TIE XLATE UNUSE DID TRANS
2. Enter desired trunk number (e.g., 705) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor OR Press ANS/RLS to select all trunks	[705] TIE XLATE UNUSE DID TRANS OR [ALL] TIE XLATE UNUSE DID TRANS
3. Dial 0 or 1 to select option (e.g. 1) OR Press VOLUME keys to make selection and press RIGHT soft key	[705] TIE XLATE USE DID TRANS
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **UNUSE DID TRANS**

Related Items: **MMC 406 Trunk Ring Assignment**
MMC 714 DDI Number and Name Translation

MMC: 416 ASSIGN E&M/DID RINGDOWN

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (This version of MMC 416 is not valid for systems other than *i*DCS. For other systems, refer instead to MMC 416, Assign AC15 Translation, above.)

Defines which ring destination table an E&M or DID trunk will follow for incoming calls. There are three options for each trunk:

0	FOLLOW INCOM DGT	When a trunk is set to this option calls will ring at the destination that matches the digits received from the C.O. (Follows MMC 406)
1	FOLLOW DID TRANS	When a trunk is set to this option calls will ring at the destination defined in MMC 714 that matches the digits received from the C.O.
2	FOLLOW TRK RING	Calls will ring at the destination defined in MMC 406 for that trunk. If the destination defined in MMC 406 is a VMAA port or group, the system will repeat the digits received from the C.O. to the port when it answers. If you select this option, press the right soft key and "NUM OF DGT:" will appear in the display. Enter the number of incoming digits from the C.O. (0–4).

ACTION	DISPLAY
1. Open programming and select **416** Display shows	[701] E&M TRANS FOLLOW INCOM DGT
2. Enter desired trunk number (e.g., 705) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor OR Press ANS/RLS to select all trunks	[705] E&M TRANS FOLLOW INCOM DGT OR [ALL] E&M TRANS FOLLOW INCOM DGT
3. Dial 0–2 to select option (e.g. 1) OR Press VOLUME keys to make selection and press RIGHT soft key	[705] E&M TRANS FOLLOW DID TRANS
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **FOLLOW INCOM DGT**

Related Items: **MMC 406 Trunk Ring Assignment**
MMC 714 DDI Number and Name Translation

MMC: 417 E1/PRI CRC4 OPTION

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enables or disables CRC4 generation and checking. It is useful with some networks which do not support CRC4 framing but only PCM30 framing. By default, the CRC option is ON.

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

ACTION	DISPLAY
1. Open programming and select **417** Display shows (e.g. for DCS)	[701] E1/PRI CRC ON
2. Enter first trunk number in PRI card (e.g. 701) OR Press VOLUME keys to select first trunk number and press RIGHT soft key to move cursor	[701] E1/PRI CRC ON
3. Enter 1 for ON or 0 for OFF OR Press VOLUME keys to select and press RIGHT soft key	[701] E1/PRI CRC OFF
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **CRC4 ON**

Related Items: **MMC 418 Card Restart**

MMC: 418 CARD RESTART

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	iDCS500	✓	iDCS100	✓

Purpose: Enables any changes you make in MMC 417 (E1/PRI-CRC4 Option), MMC 419 (BRI Options), MMC 420 (PRI Options) or MMC 423 (S/T Mode) and applies them, as appropriate, to each BRI or PRI card that you restart.

Note: PRI is not available on 816 or 408i systems.

ACTION	DISPLAY
1. Open programming and select **418** Display shows	[701] RESTART CARD RESTART ? NO
2. Enter first trunk number in ISDN card (e.g. 701) OR Press VOLUME keys to select first trunk number and press RIGHT soft key to move cursor	[701] RESTART CARD RESTART ? NO
3. Press VOLUME keys to select YES or NO and press RIGHT soft key (If you select NO, system returns to step 2)	[701] RESTART CARD RESTART ? YES
4. You are asked to confirm your selection Enter 1 for YES or 0 for NO OR Press VOLUME keys to select and press RIGHT soft key (If you select YES, the card is restarted)	[701] RESTART ARE YOU SURE ? YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items:
MMC 417 E1/PRI CRC4 Option
MMC 419 BRI Options
MMC 420 PRI Options
MMC 423 S/T Mode
MMC 424 S0 Mapping

MMC: 419 BRI OPTIONS

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: This MMC comprises two groups of options. One group is for the "TRUNK" ports and the other is for the "STATION" ports as set in MMC 423, S/T Mode. ***Be aware that some options may not be available on your system.***

Note:

1 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.
2 If changes are made using this MMC, the BRI card affected must be restarted using MMC 418, Card Restart.

Ports Programmed as "TRUNK" in MMC 423

Display shows "BRI-TRK". Items to select include some or all of the following: CHANNEL ANY, BRI MODE, DLSEND, BRI CODING, CLIP TABLE and NB TYPE.

- **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, the user hears busy tone.

  If CHANNEL ANY is YES, the system checks if the 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.

- **BRI MODE**

  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. The 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). Each BRI access requires its own table.

  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).

- **DLSEND**

  This field is provided to set the dial sending mode to "enblock" or "overlap" on an individual port basis. If enblock, digits are sent in a single block; if overlap, digits are sent as they dialled.

- **BRI CODING**
  A-LAW or U-LAW (A-LAW in UK)

- **CLIP TABLE**
  Used to select the CLIP number to send to the network. If NONE is selected, the trunk number set in MMC 405 (Trunk Number) is sent to the network. Otherwise, the number entered in MMC 323 (Send CLIP Number) corresponding to the number set here is sent to the network.

- **NB TYPE**
  Changes the number type field of the set-up message for the CLIP number sent to the network. Options are UNKNOWN and INT NAT (International).

Ports Programmed as "STATION" in MMC 423

Display shows "BRI-STN". Items to select include some or all of the following: CHANNEL ANY, POWER FEED and BRI CODING.

- **CHANNEL ANY**
  (See above.)

- **POWER FEED**
  This field determines if power to a BRI access will be supplied (YES or NO).

- **BRI CODING**
  A-LAW or U-LAW (A-LAW in UK)

In BRI-STN, options DLSEND and BRI MODE are not included because the system uses implicit data for these: enblock for DLSEND and P-MP for BRI MODE.

ACTION	DISPLAY
1. Open programming and select **419** Display shows	[701] BRI-TRK CHANNEL ANY : YES OR [701] BRI-STN CHANNEL ANY : YES
2. Dial BRI trunk number (e.g. 703) OR Press VOLUME keys to select the port **For TRUNK ports (TRK)**, go to step 3.a **For STATION ports (STN),** go to step 3.b	
3.a Display is as shown for TRUNK ports Use the RIGHT soft key to position the cursor under CHANNEL ANY	[703] BRI-TRK CHANNEL ANY : YES

3.a.1 Press VOLUME keys to choose item (CHANNEL ANY, BRI MODE, DLSEND, BRI CODING)
Press RIGHT soft key to move the cursor
Press VOLUME keys to select option (e.g. P-P DDI
for BRI MODE)
If you press RIGHT soft key, cursor moves under Trunk number (step 3.a)
If you press LEFT soft key, cursor returns to option (e.g. BRI MODE)

```
[703] BRI-TRK
BRI MODE:P-P DDI
```

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

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

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

3.b Display is as shown for STATION ports

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

3.b.1 Press VOLUME keys to choose item: CHANNEL ANY, POWER FEED, BRI CODING
Press RIGHT soft key to move cursor and make selection

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

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

4. Press Transfer/TRSF to store and exit
OR
Press SPEAKER to store and advance to next MMC

Default Data:

CHANNEL ANY:	**YES**
BRI MODE:	**P-P DDI**
DLSEND:	**OVERLAP**
POWER FEED:	**NO**
CLIP TABLE:	**NONE**
NB TYPE:	**UNKNOWN**
BRI CODING:	**A-LAW**

Related Items:

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

MMC: 420 PRI OPTIONS

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	iDCS500	✓	iDCS100	✓

Purpose: Allows the system DDI/NORMAL access and sets dial sending mode (DLSEND) on an individual port basis to OVERLAP or ENBLOCK. However, if you change the dial sending mode of one port, all other ports must be set to the same dial sending mode. ***Be aware that some of the following options may not be available on your system.***

OPTIONS

CHANNEL ANY: If set to YES, when a call is initiated the channel used is specified by the network; if set to NO, when a call is initiated the system will specify which channel to use.

PRI MODE: If your PRI line is not registered for DDI service at the Central Office, you can use NORMAL service (e.g. subaddress or normal trunk incoming service). If you set PRI MODE to DDI, you can service DDI (Direct Dial Inward) to a specific station or station group according to DDI NUMBER TABLE.

DLSEND: Overlap or enblock. If enblock, digits are sent in a single block; if overlap, digits are sent as they dialled.

CLIP TABLE: Used to select the CLIP number to send to the network. If NONE is selected, the trunk number set in MMC 405 (Trunk Number) is sent to the network. Otherwise, the number entered in MMC 323 (Send CLIP Number) corresponding to the number set here is sent to the network.

NB TYPE: Changes the number type field of the set-up message for the CLIP number sent to the network. Options are UNKNOWN and INT NAT (International).

Note: If changes are made using this MMC, the PRI card affected must be restarted using MMC 418, Card Restart.

ACTION	DISPLAY
1. Open programming and select **420** Display shows	[701] PRI OPTION CHANNEL ANY:YES
2. Dial PRI trunk number (e.g. 704) OR Press VOLUME keys to select the port Press the RIGHT soft key to move the cursor	[704] PRI OPTION CHANNEL ANY:YES
3. Press VOLUME keys to make selection (CHANNEL ANY, PRI MODE or DLSEND) and press RIGHT soft key to move the cursor	[704] PRI OPTION DLSEND : OVERLAP
4. Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[704] PRI OPTION DLSEND : ENBLOCK

5. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:	**CHANNEL ANY:**	**YES**
	PRI MODE:	**DDI**
	DLSEND:	**OVERLAP**
	CLIP TABLE:	**NONE**
	NB TYPE:	**UNKNOWN**

Related Items:

MMC 418 Card Restart
MMC 406 Trunk Ring Assignment
MMC 714 DDI Number and Name Translation

MMC: 421 MSN DIGIT

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns 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 a 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:

DIGITS	Digits to be received (maximum of 10).
DAY DEST*	Destination in day mode - can be a station or a station group.
NIGHT DEST*	Destination in night mode - can be a station or a station group.
CALL WAIT	Toggles YES or NO: if YES then the call will be camped-on at busy destination while NO gives busy indication.
OPTION	Accept: the selected destination party will be alerted. Reject: the call is cleared

* On *i*DCS systems these options are replaced by ring plans 1–6 so you can enter a destination for each plan.

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.

ACTION	DISPLAY
1. Open programming and select **421** Display shows	[701]MSN DGT (1) DGT:
2. Enter trunk number (e.g. 704) OR Press VOLUME keys to scroll through ports and press RIGHT soft key to move cursor	[704]MSN DGT (1) DGT:
3. Enter the location 1-8 (e.g. 4) OR Press VOLUME keys to select location and press RIGHT soft key to move cursor	[704]MSN DGT (4) DGT:_
4. Enter digits to be translated (e.g. 4603881) and press RIGHT soft key to move to the destination selection (Max. digits is 10)	[704]MSN DGT (4) DGT:4603881_
5. Enter day destination* (e.g. 204) OR Press VOLUME keys to make selection and press RIGHT soft key (* NB: *i*DCS systems show ring plans 1 and 2. Enter values for these plans and press RIGHT soft key to select destinations for ring plans 3 and 4, then plans 5 and 6, as required. Then go to step 7.)	[704]MSN DGT (4) →D:204 N:
6. Enter night destination (e.g. 202) OR Press VOLUME keys to make selection and press RIGHT soft key	[704]MSN DGT (4) →D:204 N:202
7. Enter 1 for YES or 0 for NO for Call Waiting OR Press VOLUME keys to make selection and press RIGHT soft key	[704]MSN DGT (4) CW:NO OPT:ACEPT
8. Enter 1 for ACCEPT or 0 for REJECT (for Option) OR Press VOLUME keys to make selection and press RIGHT soft key	[704]MSN DGT (4) CW:NO OPT:ACEPT
9. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 419 BRI Options**
MMC 420 PRI Options

MMC: 422 ASSIGN TRUNK COS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns a class of service (COS) to each trunk for each ring plan 1–6, or for day and night mode, depending on your system.

For DCS, Compact II and *i*DCS systems there are 30 (01–30) different classes of service. For 816 systems there are 10 (01–10). For 408/408i systems there are four (1–4). These are 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.

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **422** Display shows first trunk	[701] TRK COS DAY:01 NIGHT:01
2. Dial trunk number (e.g. 705) OR Press VOLUME keys to scroll through trunks and press RIGHT soft key OR Press ANS/RLS to select all stations	[705] TRK COS DAY:01 NIGHT: 01 OR [ALL] TRK COS DAY:?? NIGHT:??
3. Enter day class of service (e.g. 05) OR Press VOLUME keys to scroll through classes of service and press RIGHT soft key	[205] TRK COS DAY:05 NIGHT:01
4. Enter night class of service (e.g. 05) OR Press VOLUME keys to scroll through classes of service and press RIGHT soft key to return to step 2	[205] TRK COS DAY:05 NIGHT:05
5. Press Transfer/TRSF to save and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **DAY CLASS: COS 01 (1)**
NIGHT CLASS: COS 01 (1)

Related Items: **See *Related Items* below**

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **422** Display shows first trunk	[701] TRK COS 1:01 2:01 3:01
2. Dial trunk number (e.g. 705) OR Press VOLUME keys to scroll through trunks and press RIGHT soft key OR Press ANS/RLS to select all stations	[705] TRK COS 1:01 2:01 3:01 OR [ALL] TRK COS 1:01 2:01 3:01
3. Press RIGHT soft key to move cursor Enter class of service for ring plan 1 (e.g. 05) OR Press VOLUME keys to scroll through classes of service and press RIGHT soft key	[205] TRK COS 1:05 2:01 3:01
4. Enter class of service for ring plan 2 (e.g. 05) OR Press VOLUME keys to scroll through classes of service and press RIGHT soft key Continue to select COS for other ring plans as required	[205] TRK COS 1:05 2:05 3:01
5. Press Transfer/TRSF to save and exit OR Press SPEAKER to save and advance to next MMC	

Default Data: **All ring plans: COS 01**

Related Items: **MMC 301 Assign Station COS**
MMC 410 Assign DISA Trunk
MMC 701 Assign COS Contents

MMC: 423 S/T MODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects 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.

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.

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

ACTION	DISPLAY
1. Open programming and select **423** Display shows (e.g. TRUNK)	[701] S/T MODE TRUNK
2. Dial BRI trunk number (e.g. 703) OR Press VOLUME keys to select the port Use the RIGHT soft key to position the cursor under “TRUNK” (or “STATION”)	[703] S/T MODE TRUNK
3. Press VOLUME keys to make selection (TRUNK or STATION) Press RIGHT soft key to position the cursor under the port number again	[703] S/T MODE STATION
4. For other ports, repeat steps 2 and 3	
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **TRUNK**

Related Items: **MMC 418 Card Restart**
MMC 419 BRI Option
MMC 424 S0 Mapping

MMC: 424 S0 MAPPING

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Generates a table by which an ISDN terminal number is mapped onto a BRI STATION port.

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.

ACTION	DISPLAY
1. Open programming and select **424** Display shows	[7801]S0 MAPPING NONE
2. Dial an ISDN terminal number (e.g. 7803) OR Press VOLUME keys to select the number and press RIGHT soft key to move cursor	[7803]S0 MAPPING NONE
3. Dial an ISDN station number (e.g. 703) OR Press VOLUME keys to select the number and press RIGHT soft key	[7803]S0 MAPPING 703
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **MMC 419 BRI Option**
MMC 423 S/T Mode

MMC: 426 TRUNK GAIN CONTROL

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows loss levels (dB) to be adjusted on a per-trunk basis. Two adjustments are available: ”TX” is the transmit level adjustment of the trunk to the station; “RX” is the receive level adjustment of the station to the trunk.

ACTION	DISPLAY
1. Open programming and select **426** Display shows	[701] TRUNK GAIN RX : +0.0 TX : +0.0
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to select trunk and press RIGHT soft key	[704] TRUNK GAIN RX : ±0.0 TX : +0.0
OR Press ANS/RLS to select ALL trunks	OR [ALL] TRUNK GAIN RX : ±0.0 TX : +0.0
3. Press VOLUME keys to select trunk RX gain and press RIGHT soft key	[704] TRUNK GAIN RX : +1.0 TX : ±0.0
4. Press VOLUME keys to select trunk TX gain and press RIGHT soft key	[704] TRUNK GAIN RX : +1.0 TX : +1.0
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **RX=+0.0, TX=+0.0 dB for all trunks**

Related Items: **None**

MMC: 427 R2MFC SIGNAL

Not Used in UK / EU

MMC: 428 ASSIGN TRUNK / TRUNK USE

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Controls whether an incoming trunk can dial calls for specific trunks.

(In the following example, you don't want trunk 705 to dial calls for 708.)

ACTION	DISPLAY
1. Open programming and select **428** Display shows	[701] USE [702] DIAL:YES
2. Dial the incoming trunk number (e.g., 705) OR Press VOLUME keys to select trunk and press RIGHT soft key OR Press ANS/RLS to select all trunks	[705] USE [702] DIAL:YES
3. Dial the trunk number (e.g., 708) OR Press VOLUME keys to select trunk and press RIGHT soft key	[705] USE [708] DIAL:YES
4. Dial 1 for YES or 0 for NO OR Press VOLUME keys to select YES/NO and press RIGHT soft key	[705] USE [708] DIAL:NO
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **DIAL=YES**

Related Items: **None**

MMC: 433 TRUNK COST RATE

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel application only.)

The Trunk Cost Rate flags are entered for each trunk. Dial Plans are defined in MMC 746. Rate Calculation Tables are defined in MMC 747. Each trunk may be defined with up to eight cost rates. A cost rate is selected by entering a digit '1' beneath it in the display. If an entry is left with all zeros, no call costing will be calculated for that particular dial plan. Cost rate 8 is set for incoming calls only: select this cost rate for a trunk only if you want incoming call costing.

By default, all cost rates are selected. For most applications there is no need to change this default.

ACTION	DISPLAY
1. Open programming and select **433** Display shows trunk number and cost rates (CR)	[701] :12345678 CR :11111111
2. Dial trunk number (e.g., 705) OR Press VOLUME keys to select trunk OR Press ANS/RLS for ALL trunks Press right soft key to move cursor	[705] :12345678 CR :11111111
3. Dial 1 to select a cost rate (insert "1") or 0 to de-select (insert "0") (e.g. select 1 and 2 only) Press VOLUME keys to move cursor	[705] :12345678 CR :11000000
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All Cost Rates Assigned**

Related Items: **MMC 110 STATION ON/OFF (Call Cost option)**
MMC 746 COSTING DIAL PLAN
MMC 747 RATE CALCULATION TABLE

MMC: 434 CONNECTION STATUS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: **(This is a read-only MMC.)**

Confirms the connection status of stations or trunks. Display status shows the status of a station or trunk at the time requested. If a station or trunk is in an idle state the display will show "IDLE". If the station or trunk selected is not a valid selection the display will show "INVALID DATA". If the station or trunk is made busy by the CPU the display will show “MADE BUSY”. If the station is in busy state with no other connection, the display will show “BUSY” only. If a conference is in progress with the selected trunk or station, the display will show one of the conference parties and an arrow (➔). Other parties in the conference can then be displayed by pressing the RIGHT soft key.

ACTION	DISPLAY
1. Open programming and select **434** Display shows	DISPLAY STATUS 201 IDLE
2. Dial station or trunk number (e.g., 205) OR Press VOLUME keys to select In this example, 205 is busy.	DISPLAY STATUS 205 BUSY
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 108 Station Status**
MMC 409 Trunk Status Read

MMC: 500 SYSTEM-WIDE COUNTERS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets the values of the system counters. The counters are listed below with a brief description of each.

DIAL	COUNTER	DESCRIPTION
0	ALARM REMINDER	The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1–99.
1	AUTO REDIAL	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	Sets the maximum number of internal calls that can be made after accessing a DISA line. RANGE = 1–99.
3	DISA LOCK	Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE = 1–99.
4	NEW CALL	Number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1–99.
5	UCDS VISUAL ALARM*	Used to set the Visual Alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0–25.
6	UCDS AUDIO ALARM*	Used to set the Audio Alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. 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.

* Options 5–8 are not available on 408/408i systems.

ACTION	DISPLAY
1. Open programming and select **500** Display shows	ALARM REM.CNTER 05→
2. Enter number from above list (e.g., 6) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	UCDS VISUAL ALAM 00→_
3. Enter in new value If entry is valid, system will return to step 2	UCDS VISUAL ALAM 00→02
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

Alarm Reminder	**5**
Auto Redial	**5**
DISA Call	**99**
DISA Lock	**3**
New Call	**99**
UCDS Visual Alarm	**0**
UCDS Audio Alarm	**0**
UCD CS Level 1	**0**
UCD CS Level 2	**0**

Related Items: **MMC 501 System-Wide Timers**

MMC: 501 SYSTEM-WIDE TIMERS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows the adjustment of individual system timers as necessary. Some timers can be disabled by setting the time to all zeros (000). See table of timers and values, below.

ACTION	DISPLAY
1. Open programming and select **501** Display shows first timer value	AA INT DGT TIME 05 SEC →
2. Press VOLUME keys to select timer (e.g. KMMC Lock Out) and press RIGHT soft key to move cursor	KMMC LOCK OUT TM 30 SEC → _
3. Enter new value System returns to step 2	KMMC LOCK OUT TM 30 SEC → 255
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **See below**

Related Items: **None**

Timers and Values

This is a complete listing of all system timers. Note that the timers displayed will depend on the system you are using.

TIMER NAME	DEFAULT	RANGE
AA INT DGT	05 SEC	1–25 SEC
AA NO ACT	10 SEC	1–25 SEC
AA TRANS	00 SEC	0–25 SEC
ALARM	0100 MIN	0–2500 MIN
ALERT TONE	1000 MS	0–2500 MS
ALM REM.INTERVAL	25 SEC	1–255 SEC
ALM REM.RING OFF	10 SEC	1–25 SEC
ATT.RECALL	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
BOOTH TIME OUT (Hotel Application)	005 MIN	0–250 MIN
CALLBACK NO ANS	30 SEC	1–255 SEC
CAMP ON RECALL	30 SEC	1–255 SEC
CLIP DISPLAY	5 SEC	1-25 SEC
CLIP MSG RECEIVE	6 SEC	1-25 SEC
CO CLEAR	30 SEC	0–255 SEC
CO CONFIRM	3 MIN	0–255 MIN
CO–CO DISCONNECT	20 MIN	0–255 MIN
CONFER TONE INT	9900 MS	100-9900 MS
CONFIRM TONE	1000 MS	100–2500 MS
CRD TONE INT	30 SEC	1–255 SEC
DIAL PASS	5 SEC	1–25 SEC
DISA DISCONNECT	30 MIN	1–255 MIN
DISA LOCK OUT	30 MIN	1–255 MIN
DISA NOANS DISC	30 SEC	0–255 SEC
DISA PASS CHECK	30 MIN	1–255 MIN
DISPLAY DELAY	3 SEC	1–255 SEC
DOOR LOCK RELEASE	500 MS	100–2500 MS
DOOR RING DETECT	50 MS	10–250 MS
DOOR RING OFF	30 SEC	1–255 SEC
E-HOLD RECALL	45 SEC	0–255 SEC
EXT.FWD DELAY	10 SEC	1–255 SEC
FIRST DIGIT	10 SEC	1–255 SEC
HOK FLASH MAX	120 MS	20–2500 MS
HOK FLASH MIN	80 MS	20–2500 MS
HOOK OFF	200 MS	100–2500 MS
HOOK ON	200 MS	20–2500 MS
INQUIRY RELEASE	30 SEC	1–255 SEC
INTER DIGIT	10 SEC	1–255 SEC
ISDN INT DGT	07 SEC	1–15 SEC
KMMC LOCK OUT	30 SEC	10–255 SEC
LCR ADVANCE	5 SEC	1–255 SEC
LCR INTER DIGIT	5 SEC	1–255 SEC
MCL DELAY	4 SEC	1-8 SEC
MS LED ON	05 SEC	0–10 SEC
OFF HOK RING INT	15 SEC	1–255 SEC
OFF HOOK SELECT	5 SEC	1–255 SEC
OHVA ANSWER	10 SEC	1–255 SEC

OVERLAP INT DGT	7 SEC	1 - 15 SEC
PAGE TIME OUT	20 SEC	1–255 SEC
PAGE TONE	500 MS	100–2500 MS
PARK RECALL	45 SEC	0–255 SEC
PC-MMC LOCK	5 MIN	1–60 MIN
PERI UCD REPORT	5 SEC	3–99 SEC
POWER DOWN	2000 MS	1000–9900 MS
RECALL DISCONNECT	2 MIN	1–255 MIN
RECALL WAIT	15 SEC	1–255 SEC
SMDR START/DP	30 SEC	1–255 SEC
SMDR START/DTMF	15 SEC	1–255 SEC
ROUTE OPTIMISE	010 SEC	0–250 SEC
SYS HOLD RECALL	45 SEC	0–255 SEC
TRANSFER RECALL	20 SEC	0–255 SEC
TSW CONN. DELAY	00 SEC	0–10 SEC
UCDS AUDIO ALARM	0 SEC	0–255 SEC
UCDS VISUAL ALARM	0 SEC	0–255 SEC
VMS UCD MSG	5 SEC	1–99 SEC
VOICE DIAL DELAY	8 SEC	5–15 SEC
R/D RING ON (not used)	–	–
R/D SIGNAL ON (not used)	–	–

Timer Descriptions

AA INT DGT: Controls the grace period between dialling valid digits before transferring call to INVLID DEST as set in MMC 733 on a per-plan basis.

AA NO ACT: Time AA will wait for first digit for processing, after which call is transferred to the destination set in NO ACT DEST in MMC 733.

AA TRANS: After this time, compare input digit with AA translation table (MMC 732) and transfer to destination.

ALARM: The time after which the System Alarm key will start ringing again when it has been silenced (*i*DCS500 'L' systems only).

ALERT TONE: 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: Controls the time between ring attempts at a station when alarm reminder is set.

ALM REM RING OFF: Controls the length of the ring cycle when alarm reminder is set at a station.

ATT RECALL: The length of time a transfer recall will ring at a station before recalling the operator.

AUTO REDIAL INT: Controls the time between attempts after RETRY dialling is set on a station.

AUTO REDIAL RLS: 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: Controls the interval between the tones sent to the station being barged in on.

BOOTH TIME OUT: (Hotel Application) Controls the time for which a booth phone is enabled.

CALLBACK NO ANS: Controls the time before the callback is automatically cancelled when a call-back detects Ring No Answer.

CAMP ON RECALL: Controls how long a camped-on call will stay at a destination before recalling to the transferring station.

CLIP DISPLAY: 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* soft key, 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: The length of time a Direct Trunk Select key remains busy after cleardown.

CO CONFIRM: After this time, the outgoing call is disconnected or you hear the confirm tone.

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

CONFER TONE INT: Controls the intervals between the tones heard by the parties in a conference.

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

CRD TONE INT: Controls the interval of the intermittent tone presented to station users whose calls are being recorded using the Auto Record feature (see Voice Mail documentation).

DIAL PASS: 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: Controls the maximum duration of a DISA call.

DISA LOCK OUT: Controls the time period for which a DISA call is not allowed to be made after the DISA error counter has expired (MMC 500).

DISA NOANS DISC: Controls the time period after which a DISA call is disconnected if the call is not answered.

DISA PASS CHECK: Defines the time period before the system clears the incorrect passcode counter.

DISPLAY DELAY: Controls how long information is shown in the LCD. This timer also controls how long error tone is heard.

DOOR LOCK RELEASE: Controls how long the door lock relay is activated.

DOOR RING DETECT: Controls the period of time before a call is answered by the door phone.

DOOR RING OFF: Controls the duration of ringing at the door ring destination before automatically cancelling.

E-HOLD RECALL: Controls how long a call is held exclusively at a station before recalling. See *ATT Recall* timer.

EXT. FWD DELAY: Controls how long a station set to External Call Forward will ring before the call is placed on external call forwarding. (*i*DCS systems use the EFWD DELAY feature in MMC 502.)

FIRST DIGIT: 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: 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: 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: Controls the time before dial tone is sent to a single line station, or a ringing call is answered.

HOOK ON: Sets the minimum amount of time that the system will recognise as an SLT hang up. (Must be greater than HOK FLASH MAX.)

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

INTER DIGIT: Controls the grace period between dialling valid digits before dropping the call and returning the user to error tone.

ISDN INT DGT: Controls the grace period between dialling valid digits and the end of the dialling string on an ISDN call.

KMMC LOCK OUT: 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: Controls the period of time before selecting the next allowable route when a station is allowed to route advance.

LCR INTER DIGIT: Controls the grace period between dialling valid digits before dropping the call and returning the user to error tone.

MCL DELAY: Controls the time when the system should start transmitting Authorisation Code after sending MCL access code (Cable & Wireless 131 access).

MS LED ON: Controls the time for which a Manual Signalling key LED will flash when the key is pressed.

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

OFF HOOK SELECT: Controls the grace period between lifting the handset and placing an internal/external call as programmed in MMC 306. (*i*DCS systems use the OFFHK SEL feature in MMC 502.)

OHVA ANSWER: Controls the 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: 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: Controls the duration of a page announcement.

PAGE TONE: Controls the duration of tone burst heard over the page prior to the page announcement.

PARK RECALL: Controls the period of time a call is parked before recalling to the call park originator.

PC-MMC LOCK: Monitors PCMMC activity, drops the link if no action is created by PCMMC and returns the system to secure program status.

PERI UCD REPORT: Controls the interval between periodic UCD reports being output to the applicable port.

POWER DOWN: Sets the duration of disconnect signal for VM/AA ports.

RECALL DISCONNECT: The time an attendant recall rings before being disconnected. See *ATT Recall* timer.

RECALL WAIT: This is the time any recall (hold or transfer) continues to recall at your station before it recalls to the operator.

SMDR START/DP (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.

ROUTE OPTIMISE: When a call is made via Q-SIG signalling, route optimisation is activated after this time.

SYS HOLD RECALL: Determines the time calls can be left on hold before recalling the holding station. Setting timer to 000 means no recalling will take place.

TRANSFER RECALL: Determines the time that transferred calls ring before recalling. See *Recall Wait* timer.

TSW CONN. DELAY: On external call forward or tandem working, the time before the forward destination is connected to the external call. If this timer is very short, the caller hears ringback tone, dial tone and ringback tone again.

UCDS AUDIO ALARM: Determines how long the longest waiting call can be held before the system gives an audio alarm to the UCD supervisor.

UCDS VISUAL ALARM: Determines how long the longest waiting call can be held before the system gives a visual alarm to the UCD supervisor.

VMS UCD MSG: Not used in UK/EU.

VOICE DIAL DELAY: Monitors the duration of the interaction between the main software and the Voice Dialler card. If there is no response from the card within this time, the system decides that voice dialling has failed (*i*DCS500 only).

MMC: 502 STATION-WIDE TIMERS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: 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.***

0	NO ANS FWD	Controls how long the station will ring before a Forward on No Answer takes place. (Range: 001- 255 sec.)
1	DTMF DUR.	Governs the duration of DTMF digit which is transmitted to an external VM system port. It is useful for customising a voice mail system. (Range: 100 - 9900 msec.)
2	F–DGT DELY	Allows a suitable delay for generating DTMF digits, for commencing in-band integration. (Range: 100 - 9900 msec)
3	OFFHK SEL	Controls the grace period between lifting the handset and placing an internal/external call as programmed in MMC 306. (Range: 0-250 sec) (*i*DCS systems only)*
4	EFWD DELAY	Controls how long a station set to External Call Forward will ring before the call is forwarded. (Range: 1-250 sec) (*i*DCS systems only)*

* Other systems can be programmed for these options in MMC 501.

Note: It is reasonable for the system administrator to use trial and error to find a suitable value for options 1 and 2 above according to the characteristics of the selected Voice Mail system.

ACTION	DISPLAY
1. Open programming and select **502** Display shows	[201] NO ANS FWD 015 SEC →_
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key OR Press ANS/RLS to select all stations and press RIGHT soft key	[205] NO ANS FWD 015 SEC →_ OR [ALL] NO ANS FWD 015 SEC →_
3. Enter new value (must be three digits) (e.g., 020) System will return to step 2	[205] NO ANS FWD 015 SEC →020
4. Dial timer number from above list (e.g. 1) OR Press VOLUME keys to select and press RIGHT soft key to move cursor	[205] DTMF DUR. 0100 MS →_

5. Enter new timer value (must be four digits, e.g. 0200)
   System returns back to step 2

[205] DTMF DUR.
0100 MS →0200

6. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:

NO ANS FWD	**015 sec**
DTMF DURATION	**100 msec**
FIRST DGT DELAY	**600 msec**
OFFHK SEL	**015 sec**
EFWD DELAY	**010 sec**

Related Items:

MMC 102 Call Forward
MMC 207 Assign VM/AA Port
MMC 306 Hot Line
MMC 726 VM/AA Options

MMC: 503 TRUNK-WIDE TIMERS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

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

TIMER	RANGE	DEFAULT
ANS.BAK TM	0100–2500 MSEC	0600 MSEC
CLEARING	0100–2500 MSEC	2000 MSEC
CO SUPV TM	0100–2500 MSEC	0400 MSEC
DTMF DURATION	0100–2500 MSEC	0100 MSEC
FIRST DGT DELAY	0100–2500 MSEC	0600 MSEC
FLASH TIME	0100–2500 MSEC	0090 MSEC
NO RING TM	01–25 SEC	04 SEC
PAUSE TIME	01–25 SEC	03 SEC
PRS DET TM	0000–2500 MSEC	0000 MSEC
RNG DET.TM	0010–2500 MSEC	0050 MSEC
WINK TIME	0100–0300 MSEC	200 MSEC
MF/DP INT TM	0100–9900 MSEC	0800 MSEC
MFR DLY TM	00–25 SEC	00 SEC

ACTION	DISPLAY
1. Open programming and select **503** Display shows	[701] ANS.BAK TM 0600 MS →
2. Dial trunk number (e.g., 704) OR Press VOLUME keys to select trunk and press RIGHT soft key to move cursor OR Press ANS/RLS to select all trunks and press RIGHT soft key to move cursor	[704] ANS.BAK TM 0600 MS → OR [ALL] ANS.BAK TM 0600 MS →
3. Dial timer number from above list OR Press VOLUME keys to select timer and press RIGHT soft key to move cursor	[704] DTMF DUR. 0600 MS →_
4. Enter new timer value (must be four digits, e.g., 0700) System returns to step 2	[704] DTMF DUR. 0600 MS →0700
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **See table above**

Related Items: **None**

MMC: 504 PULSE MAKE/BREAK RATIO

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows the value of pulses per second and the duration of the make/break time to be changed. This only affects rotary dial trunks.

FEATURE KEYS

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

ACTION	DISPLAY
1. Open programming and select **504** Display shows	MAKE/BREAK RATIO 33 MAKE→
2. Dial 0 or 1 for option (e.g. 1) OR Press VOLUME keys for selection and press RIGHT soft key to move cursor	PULSE PER SECOND 10 PPS →_
3. Dial in new value (e.g. 20) System returns to step 2	PULSE PER SECOND 10 PPS →20
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Make/Break = 33**
Pulses Per Second = 10

Related Items: MMC 402 Trunk Dial Type

MMC: 505 ASSIGN DATE AND TIME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows the system clock date and time to be set.

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 (e.g. 02 for 2002)
HH	Hour	00–23
MM	Minute	00–59

ACTION	DISPLAY
1. Open programming and select **505** Display shows system date and time	OLD:1110299:1147 NEW:WMMDDYY:HHMM
2. Enter new date and time using above table	OLD:1110299:1147 NEW:3110501:1445
3. Verify time and date Reenter data if necessary	OLD: 3110501:1445 NEW:WMMDDYY:HHMM
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Follows software version release date**

Related Items: **None**

MMC: 506 TONE CADENCE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets and changes tone cadences on a system-wide basis. There are 14 tones available, as listed below. Tones can be set to 'interrupt' or 'continuous', and interrupt tone cadences can be customised. Some systems may require default settings to comply with local operating companies.

FEATURE KEYS

DIAL 0	INTERRUPT TONE
DIAL 1	CONTINUOUS TONE

TONES

BUSY	Busy tone
CONFM/BARGE	Confirm tone and Barge-in tone
DIAL	Dial tone
DND/NO MORE	DND tone and No More Call key tone
ERROR	Error tone
HOLD/CAMPON	Hold tone and Camp-on tone
MSGWAT	Message waiting tone
RGBACK	Ringback tone
RING	Ring over page tone (to external page port)
TRSFER	Transfer dial tone
DID RNGBACK	AC15 ringback tone (not available on 408 systems)
CO BUSY	CO Busy tone
CO RINGBACK	CO Ringback tone
CO DIAL	CO Dial tone

ACTION	DISPLAY
1. Open programming and select **506** Display shows	BUSY TONE INTERRUPT TONE
2. Press VOLUME keys to select tone (e.g.TRSFER) and press RIGHT soft key	TRSFER TONE INTERRUPT TONE
3. Dial 0 for INTERRUPT tone or 1 for CONTINUOUS tone OR Press VOLUME keys to select and press RIGHT soft key	
4. If you selected INTERRUPT tone, dial in new value(s) for interrupt times (must be four digits each – sequence on/off/on/off) Press RIGHT soft key to advance cursor Press LEFT soft key to retreat cursor If entry is valid, system returns to step 2	TRSFER TONE: 0100 0100 0100 0100

5. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:

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

Note: All times are in milliseconds.

Related Items: MMC 514 Tone Source (*i*DCS500 'L' only)

MMC: 507 ASSIGN RING PLAN TIME

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Valid for *i*DCS systems only. For other systems, see MMC 507, Assign Auto Night Time.)

Programs Ring Plan time settings. Ring Plans provide six separate ringing destinations (1–6) based on day of the week and time of day. The start time within a plan is the time the system will switch from the previous ringing destination to the one in this plan. The end time within a plan is the time the system will switch from this plan to the previous plan. If a ring plan has no time entry, the system defaults to ring plan 1. The ring plans correlate with all MMCs that program ring or termination destinations and station and trunk COS

It is helpful to also have a dedicated Ring Plan (RP) and Ring Time Override (RTO) key programmed on a keyset so the ring plan can be manually changed if needed. The RP key provides a temporary override until the next programmed ring plan start time. The RTO key provides a permanent override until the key is pressed again to disable the override. (Refer to either MMC 722, Station Key Programming, or MMC 723, System Key Programming.) A passcode is required to use these keys (see MMC 202).

When programming ring plans for any given day, it is important to remember that:

- they must be programmed in sequence (1, 2, 3, 4, 5, 6);
- a ring plan cannot be skipped (e.g. you cannot program 1, 2, 4, etc);
- a higher numbered plan cannot have a start time earlier than a lower numbered plan;
- ring plan 1 is the default plan.

Example

You might enter the following ring plans for Monday (in 24-hour clock format, e.g. 2200 is 10.00pm).

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

The system will stay in the last active ring plan from the previous day until the end time which is 23:59. Monday starts ring plan 1 at 00:00 (midnight). The system will stay in ring plan 1 until 08:00 and will stay in Ring Plan 2 until Ring Plan 3 starts (10.00). As each ring plan starts it will override the previous ring plan. If a ring plan ends and there are no subsequent ring plans, the system will default to the ring plan with an end time that extends past the expired ring plan time.

FEATURE KEYS

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

ACTION	DISPLAY
1. Open programming and select **507** Display shows	RING PLAN (SUN:1) ST: END:
2. Dial day key 0–6 (e.g. 2 for Tuesday) OR Press VOLUME keys to select tone day and press RIGHT soft key	RING PLAN (TUE:1) ST: END:
3. Dial ring plan number 1–6 (e.g. 2) OR Press VOLUME keys to select and press RIGHT soft key	RING PLAN (TUE:2) ST: _ END:
4. Enter Start time (e.g. 0800) Cursor moves to END:	RING PLAN (TUE:2) ST: 0800 END:_
5. Enter End time (e.g. 2200) System returns to step 2	RING PLAN (TUE:2) ST: 0800 END:2200
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items:
MMC 202 Change Feature Passcodes
MMC 512 Assign Holiday
MMC 722 Station Key Programming
MMC 723 System Key Programming

MMC: 507 ASSIGN AUTO NIGHT TIME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✗	*i*DCS100	✗

Purpose: (Not valid for *i*DCS systems. Refer instead to MMC 507, Assign Ring Plan 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. However, it is useful to have a dedicated key so the status can be manually changed if necessary. The start time is the time the system switches from day to night service; the end time is when it switches back from night to day service (e.g., start 1730 WED, end 0800 THUR).

All times are entered in 24-hour clock format (e.g. 1730 is 5.30pm).

FEATURE KEYS

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

ACTION	DISPLAY
1. Open programming and select **507** Display shows	NIGHT TIME (SUN) ST: END:
2. Dial day number (0–6 e.g., 3) OR Press VOLUME keys to select day and press RIGHT soft key to advance cursor	NIGHT TIME (WED) ST: END:
3. Dial 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	NIGHT TIME (WED) ST:1730 END:0800
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: MMC 722 Station Key Programming
MMC 723 System Key Programming

MMC: 508 CALL COST

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets the Call Cost attributes generated by the system during a call. This information can be displayed on the keyphone LCD during a call or as an SMDR record.

Attributes are as follows:

0 UNIT COST PER MP
When the system is configured to receive MP on a C.O. outgoing call, this is used for generating total call cost by multiplying it by the number of pulses. Allows a maximum value of 5000. The value is displayed as ECENT (Euro cents) or PENCE depending on whether the 'USE EURO' option in MMC 210 is set on or off.

1 CALL COST RATE (%)
This generates additional call cost calculated by multiplying this rate by the original call cost. Ranges from 100 to 250.

WARNING

- Changing a 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.

ACTION	DISPLAY
1. Open programming and select **508** Display shows	UNIT COST PER MP 0200 PENCE→
2. Dial 0 or 1 (e.g. 1) OR Press VOLUME keys for selection and press RIGHT soft key to move cursor	CALL COST RATE 100% →_
3. Enter new value (e.g. 110 for 110 percent) System returns to step 2	CALL COST RATE 110% →
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **UNIT COST PER MP=0200 pence / Ecent**
CALL COST RATE=100%

Related Items: **MMC 110 Station On/Off**
MMC 210 Customer On/Off
MMC 414 MPD/PRS Signal

MMC: 509 C.O. TONE CADENCE

DCS	✗	CI	✓	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: (Compact I systems only.)

Allows customising of the tone cadence provided from the analogue trunk on a system-wide basis. There are three types of tone available (see below). The control of the tone cadence may be changed from interrupt tone to continuous tone. Some systems may require default settings to comply with local operating companies. These tones are mainly used for performing Automatic Redial depending on call progress tones on request from internal users on a trunk call.

Once busy tone is detected from the Central Office, the call is automatically released and is queued for redial after expiration of the Auto Redial Interval timer (see MMC 501).

FEATURE KEYS

DIAL 0 INTERRUPT TONE

DIAL 1 CONTINUOUS TONE

TONES

BUSY TONE
RINGBACK TONE
DIAL TONE

ACTION	DISPLAY
1. Open programming and select **509** Display shows	CO BUSY TONE INTERRUPT TONE
2. Press VOLUME keys to select tone Press LEFT soft key and advance to step 3	CO RGBACK TONE CONTINUOUS TONE
3. Dial 0 for INTERRUPT tone or 1 for CONTINUOUS tone OR Press VOLUME keys to select and press RIGHT soft key	CO RGBACK TONE INTERRUPT TONE
4. If you selected INTERRUPT tone, dial in new value(s) for interrupt times (must be four digits each: sequence on/off/on/off) Press RIGHT soft key to advance cursor Press LEFT soft key to retreat cursor System returns to step 2	CO RGBACK T : 0400 0200 0400 0200
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

TONE	ON	OFF	ON	OFF
BUSY	350	350	350	350
DIAL	1000	250	1000	250
RINGBACK	400	200	400	200

Note: All times are in milliseconds

Related Items: **None**

MMC: 510 SLI RING CADENCE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets the ring cadence for SLI ports. Options are:

1	Station ring:	Ring for internal calls
2	Trunk ring:	Ring for trunk calls
3	Door ring	Ring for doorphone calls
4	Alarm ring	Ring for alarm reminder calls
5	Callback ring	Ring for callbacks

Cadence values are displayed in the sequence: on / off / on / off.

Contact Technical Support for advice before changing any of these values.

ACTION	DISPLAY
1. Open programming and select **510** Display shows	1: STN RING : 1000 3000 1000 3000
2. Dial option 1–5 (e.g. 2) OR Press VOLUME keys to select and press RIGHT soft key	2: TRK RING : 0400 0200 0400 3000
3. Enter new value(s) for cadence (4 digits per value) as required	2: TRK RING : 0400 0200 0400 2000
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

	On	Off	On	Off
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**

MMC: 511 MW LAMP CADENCE

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets the cadence (flash rate) for the message waiting LED on single line telephones, for systems which have a message waiting card (MWSLI) installed.

The cadence is set as interrupted (on/off) values. For *i*DCS systems, it may alternatively be set as Continuous.

The lowest on or off value is 0100 msec. The highest is 03000 msec.

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **511** Display shows	MW LAMP CADENCE ON: 1000 OFF:1000
2. Enter value for ON followed by value for OFF (enter all four digits)	MW LAMP CADENCE ON: 2000 OFF:2000
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **511** Display shows	MW LAMP CADENCE INTERRUPT LED
2. Press VOLUME keys to select INTERRUPT or CONTINUOUS (e.g. INTERRUPT) and press RIGHT soft key	MW LAMP CADENCE 1000 1000
3. Enter value for ON followed by value for OFF (enter all four digits) e.g. 2000 for ON	MW LAMP CADENCE 2000 1000
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **ON 1000 (msec)**
OFF 1000 (msec)

Related Items: **None**

MMC: 512 ASSIGN HOLIDAY

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns holiday dates to a station for the current year. Station will remain in Night Service for those periods assigned, or will remain in the ring plan designated. Up to 60 dates may be entered.

Date format: MMDD (Month/Day, e.g. 25th December would be "1225").

For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **512** Display shows	ASSIGN HOLIDAY 01:
2. Press VOLUME keys to select option 01–60 and press RIGHT soft key	ASSIGN HOLIDAY 01: _
3. Enter date in format MMDD	ASSIGN HOLIDAY 01: 1225
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 507 Assign Auto Night Time**

For *i*DCS systems

The procedure is to select a ring plan and enter the required holiday period(s) for which that ring plan applies.

ACTION	DISPLAY
1. Open programming and select **512** Display shows	RING PLAN FOLLOW 1
2. Press RIGHT soft key to move cursor Dial the ring plan number 1–6 that the holiday period(s) is/are to follow (e.g. 2) OR Press VOLUME keys to select and press RIGHT soft key	RING PLAN FOLLOW 1

3. Press VOLUME keys to select 'ASSIGN HOLIDAY' display and press RIGHT soft key

   Dial the entry number 01–60 (e.g. 01)
   OR
   Press VOLUME keys to select and press RIGHT soft key

ASSIGN HOLIDAY 01:

4. Enter the holiday period (e.g. 1225)

   Cursor returns to allow you to enter another entry number (01–60)

   (To select another ring plan, move the cursor back to the top line, select the RING PLAN option and follow the above procedure.)

ASSIGN HOLIDAY 01:1225

5. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **Follow ring plan 1**

Related Items: **MMC 507 Assign Ring Plan Time**

MMC: 513 HOTEL TIMERS

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel Application only.)

Sets the normal check-out and clean times for guest rooms. Also allows *i*DCS system users to set a check-in end time (see descriptions, below). These are system-wide timers that affect all rooms and are set in 24-hour clock format (e.g. 1430 is 2.30PM).

CHECK OUT TIME
If a room is occupied after the checkout time, an additional day's room charge will be automatically added to the room bill. If a room is flagged as 'occupied' but 'on hold' then the additional day's room charge will not be added.

A late check-out can be performed by setting a room status to 'Hold'.

ROOM CLEAN TIME
This is the time each day that the system will flag all occupied rooms as 'Needs Cleaning'.

CHECK IN END TIME (*i*DCS systems only)
The time entered here tells the system which rooms to automatically add an additional day's charge at the Check Out Time. For example, if you set the Check In End time as 5AM, all rooms checked in *before* 5AM will be automatically charged an extra day at the Check Out Time (which might be, say, 11AM). Rooms checked in after 5AM will not be charged extra until the next day, if still occupied at the Check Out Time.

ACTION	DISPLAY
1. Open programming and select **513** Display shows	CHECK OUT TIME HH:MM : _ :
2. Select the timer using the VOLUME keys (e.g. ROOM CLEAN TIME) and press RIGHT soft key	ROOM CLEAN TIME HH:MM : _:
3. Enter timer value (e.g. 11am)	ROOM CLEAN TIME HH:MM : 11:00
4. Verify time (and re-enter if necessary) Press RIGHT soft key to return to step 2	ASSIGN HOLIDAY 01:1225
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 514 TONE SOURCE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (*i*DCS500 'L' systems only.)

Selects a different tone source to the normal system tones for certain call types. (Refer to MMC 506.) The source can be selected as TONE (system tone) or one of the internal or external music sources.

The tones which can be changed are:

0 BUSY TONE
1 DIAL TONE
2 DND/NO MORE
3 TRANSFER TONE
4 MSG WAIT TONE
5 ERROR TONE
6 RINGBACK TONE

ACTION	DISPLAY
1. Open programming and select **514** Display shows	BUSY TONE TONE
2. Select the tone using the VOLUME keys (e.g. MSG WAIT) OR Dial 0–6 for the tone and press RIGHT soft key	MSG WAIT TONE TONE
3. Dial the tone source (e.g. 371) OR Press VOLUME keys to select	MSG WAIT TONE 371
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **TONE**

Related Items: **None**

MMC: 515 DAYLIGHT ASSIGNMENT

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (***i*DCS systems only.**)

Defines up to 10 summertime periods. The system time will automatically increase by an hour at 2 a.m on the assigned Start date and will automatically decrease by an hour at 3 a.m on the assigned End date.

The Initial display shows the following:

```
NO:YY:START:END
01:    :        :
```

Dates are entered as follows:

NO = entry number 01–10
YY = year (last 2 digits, e.g. 02 for 2002)
START = start date (MMDD, e.g. 0801 is 1st August)
END = end date (MMDD, e.g. 0910 is 10th September)

ACTION	DISPLAY
1. Open programming and select **515** Display shows	NO:YY:START:END 01: : :
2. Dial 01–10 to select entry number (e.g. 01) OR Press VOLUME keys to select and press RIGHT soft key	NO:YY:START:END 01:_ : :
3. Enter dates (see above) e.g. 02, 0801, 0910	NO:YY:START:END 01:02:0801:0910
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 507 Assign Ring Plan Time**

MMC: 600 ASSIGN OPERATOR GROUP

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns the operator group for day and night mode, or for each ring plan.

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **600** Display shows	OPERATOR GROUP D: 500 N: 500
2. Dial day operator group (e.g. 501) OR Press VOLUME keys to select and press RIGHT soft key	OPERATOR GROUP D: 501 N: 500
3. Dial night operator group (e.g. 501) OR Press VOLUME keys to select and press RIGHT soft key	OPERATOR GROUP D: 501 N: 501
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Day=500 (50 for 408/408i)**
Night=500 (50 for 408/408i)

Related Items: **See *Related Items* below**

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **600** Display shows	OPERATOR GROUP 1: 500 2: 500
2. Dial operator group for ring plan 1 (e.g. 501) OR Press VOLUME keys to select and press RIGHT soft key	OPERATOR GROUP 1: 501 2: 500
3. Dial operator group for ring plan 2 (e.g. 501) OR Press VOLUME keys to select and press RIGHT soft key	OPERATOR GROUP 1: 501 2: 501
Continue selecting group for plans 3–6, as required	
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All ring plans=500**

Related Items:
MMC 211 Door Ring Assignment
MMC 406 Trunk Ring Assignment
MMC 507 Assign Ring Plan Time (*i*DCS systems)
MMC 507 Assign Auto Night Time (Other systems)
MMC 601 Assign Station Group
MMC 602 Station Group Name

MMC: 601 ASSIGN STATION GROUP

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns stations to groups. This provides more flexibility, for example, if using Uniform Call Distribution (UCD), AA GROUP and VM/AA applications. A station, common bell, and ring page can be in more than one group, but must all be the same ring type. The maximum members per group for each system is as shown in the table.

	DCS	CI	CII	816	408/408i	*i*DCS500	*i*DCS100
Max members per group	48	30	30	16	8	48	32

Note: A device for announcement, if used, must provide a hookflash and return the call to the group.

The options to program depend on your system, but will be some or all of the following: GROUP TYPE, RING MODE, OVERFLOW, GROUP TRANSFER, NEXT PORT, MEMBER, NEXT HUNT AND GROUP BUSY.

GROUP TYPE

NORMAL GROUP	Station ring group
VMAA GROUP	Group VMAA ports designated in MMC 207—can only have distribute or sequential ringing (see Ring Modes, below)
UCD GROUP	UCD group—has wrap-up capability. See **UCD Groups**, below.
AA GROUP	AA group—can only have distribute or sequential ringing (see below)
CADENCE or BI-VMS	Voice Mail group (VM card must be installed in system). Can only have distribute or sequential ringing (see **Ring Modes**, below)
MSG	Used to group a number of extensions to serve as a message desk or message group. When one of the stations in the group leaves a message for another station, the messaged station will return the message to the message group so any member can answer the call (*i*DCS500 systems only)
S0	Allows S_0 ports to be members of a station group. Valid members are MSN numbers assigned to the S_0 bus.

Other possible entries are:

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

UCD GROUPS

Maximum number of UCD groups that can be programmed is:

DCS	10, created from last 10 station groups (520–529)
CI	10, created from any station group (501–529)
CII	5, created from the last 10 station groups (510–519)
816	3, created from the last 3 station groups (507–509)
***i*DCS500(L)**	20, created from any group
***i*DCS500(M)**	10, created from any group
***i*DCS100**	10, created from any group

Options for UCD groups are set in MMC 607.

RING MODES

0	SEQUENTIAL	The first idle station listed in the group will ring. If the first is busy, the next idle station will ring.
1	DISTRIBUTE	The first call will ring the first station listed in the group. The next call will ring the next station listed in the group.
2	UNCONDITIONAL	All the stations listed in the group will ring. (Busy stations will receive off-hook ring, if set in MMC 300.) *The maximum number of stations allowed to ring unconditionally for a group is: DCS=32, Compact II=10, 816=16, 408/408i=8, iDCS=32*

Note: When a group is called, or a caller is transferred to a group, ringback is sent to the caller. Calls to a group do not follow the call forwarding instructions of any stations in the group.

FEATURE KEY

0	TYPE	Group type
1	RING	Ring mode
2	OVERFLOW	Timer for overflow to 'Next Port'
3	GROUP TRANSFER	Timer for recall of calls transferred to group
4	NEXT PORT	Overflow port (station, group, common bell, ring over page)
5	MEMBER	Members of group (e.g. station numbers)
6	NEXT HUNT	Timer for ringing a station before hunting for next member [1]
7	GROUP BUSY	If set ON, generates busy tone when all station group members of Sequential or Distribute ring groups are busy [2] (refer to option SGR INC BUSY in MMC 210)

Note:
1 = *i*DCS500 'L' systems only
2 = *i*DCS systems only

ACTION	DISPLAY
1. Open programming and select **601** Display shows	[500] STN GROUP TYPE:NORMAL GRP
2. Dial group number (e.g., 505) OR Press VOLUME keys to select group and press LEFT soft key to move cursor to type of group	[505] STN GROUP TYPE:NORMAL GRP
3. Dial group type 0–4 (e.g., 1) OR Press VOLUME keys to make selection and press LEFT soft key to move cursor to 'TYPE'	[505] STN GROUP TYPE:VMAA
4. Dial feature option number (0–5, e.g., 1) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	[505] STN GROUP RING:SEQUENTIAL
5. Dial ring option (0–2, e.g., 1) OR Press VOLUME keys to make selection and press LEFT soft key to move cursor back to RING or press RIGHT soft key to return to step 2	[505] STN GROUP RING:DISTRIBUTE
6. Dial next feature option and continue OR Press VOLUME keys to select option OR Press LEFT soft key to return to step 2	[505] STN GROUP RING:DISTRIBUTE
7. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

Group Type: Normal	**Next Port: None**
Ring Mode: Unconditional	**Group Member 01: (first station)**
Overflow: 000 Sec	**Next Hunt: 000 Sec**
Grp Transfer: 000 Sec	**Group Busy: Off**

Related Items:

MMC 203 Assign UA Device
MMC 204 Common Bell Control
MMC 211 Door Ring Assignment
MMC 212 Alarm Ringing Station
MMC 406 Trunk Ring Assignment
MMC 602 Station Group Name
MMC 607 UCD Options

MMC: 602 STATION GROUP NAME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enters a name, up to 11 characters, to identify an individual station group. Names are written using the keypad. Pressing a key selects a character and moves the cursor to the next position. For example, if the 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 keypad to complete the name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **602** Display shows	[500] SGR NAME
2. Dial group number (e.g., 505) OR Press VOLUME keys to make selection and press LEFT or RIGHT soft key to move cursor	[505] SGR NAME _
3. Enter the name using method described above	[505] SGR NAME SAMSUNG
4. Press LEFT or RIGHT soft key to return to step 2 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items:
MMC 104 Station Name
MMC 404 Trunk Name
MMC 600 Assign Operator Group
MMC 601 Assign Station Group

MMC: 603 ASSIGN TRUNK GROUP

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns trunks to a specific trunk group or to several trunk groups. This is very useful for 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.

	No of Trunk Groups	No of Group Members
DCS	11	01–80
CI	11	01–10
CII	11	01–40
816	4	01–10
408/408i	2	1–4
***i*DCS500 'L'**	50	01–99
***i*DCS500 'M'**	11	01–99
***i*DCS100**	11	01–40

ACTION	DISPLAY
1. Open programming and select **603** Display shows (e.g. trunk group 9)	[9] TRK GROUP MODE:SEQUENTIAL
2. Enter valid trunk group (see above)(e.g. 81) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	[81] TRK GROUP MODE:SEQUENTIAL
3. Press RIGHT soft key to change mode OR Press VOLUME keys to change mode to member	[81] TRK GROUP MEMBER 01:NONE
4. Press RIGHT soft key to move cursor to number of member and enter valid member number (e.g. 04) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	[81] TRK GROUP MEMBER 04:NONE
5. Enter valid trunk number (e.g., 729) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[81] TRK GROUP MEMBER 01:729
6. Repeat steps 1–5 to remove trunk from group 9 (or group 0) if necessary	

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **MODE=SEQUENTIAL**

Related Items: **LCR programming**
Tenant programming

MMC: 604 ASSIGN STATION TO PAGE ZONE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns a keyset to any or all of the internal paging zones. The total number of keysets that can receive a page is limited to 80 (DCS), 40 (Compact II), 12 (816), 4 (408/408i), 99 (*i*DCS500), or 40 (*i*DCS100).

■ For all systems except *i*DCS

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. If "∗" is set as "1", a keyset will receive pages for all zones.

408/408i systems are assigned internal page zones 1–2 only. Therefore, only these zones can be flagged as "1". Zones 3 and 4 are flagged as "0".

ACTION	DISPLAY
1. Open programming and select **604** Display shows	ENTRY:STN :1234∗ 01:NONE: 00001
2. Enter number (01–80 or 01–40 or 01–12 or 1–4 depending on your system–see above) e.g., 04 OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	ENTRY:STN :1234∗ 04:NONE: 00001
3. Enter station number (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	ENTRY:STN :1234∗ 04:205 :00001
4. Move cursor under page zone desired (e.g. 2) by pressing VOLUME keys and enter the digit 1 under the zone Press RIGHT soft key to return to step 2 to continue with entries	ENTRY:STN :1234∗ 04:205 :01001
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **No stations assigned**
All zone ("∗") is set ("1")

Related Items: **None**

■ For *i*DCS systems

A keyset can be assigned to more than one zone. If assigned to zone 0, a keyset will receive pages for *all* internal zones.

ACTION	DISPLAY
1. Open programming and select **604** Display shows	INT. PAGE ZONE (0) MEMBER 01:NONE
2. Enter page zone number (0–4) e.g., 2 OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	INT. PAGE ZONE (2) MEMBER 01:NONE
3. Enter index number (e.g., 05) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	INT. PAGE ZONE (2) MEMBER 05:NONE
4. Enter station number (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	INT. PAGE ZONE (2) MEMBER 05:205
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **No stations assigned**

Related Items: **None**

MMC: 605 ASSIGN EXTERNAL PAGE ZONE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Determines which relays will close when one of the external page zones 5 to 8 is accessed. (816 and 408/408i systems have only one external page zone—see below.)

DCS	System must be equipped with a Trunk A card to allow external paging. Each Trunk A card is equipped with two external page relays. The page relays have default DNs of 360X (e.g. 3601)
CII	One external page zone is located on the base board. Three are located on the optional MISC card. The page relays have default DNs of 36x (e.g. 361)
816/408/408i	One external page zone (zone 5) is located on the base board. The page relay has a default DN of 361. The optional port is 362 (see MMC 219).
***i*DCS500**	System must be equipped with a MISC card for external paging
***i*DCS100**	One external page zone is located on the base board. Three are located on the optional MISC card. The page relays have default DNs of 36x (e.g. 361)

ACTION	DISPLAY
1. Open programming and select **605** Display shows first page zone (Note: Member number shows as 1 or 01 etc, depending on system)	EXT. PAGE ZONE:(5) MEMBER 1 :NONE
2. Dial page zone number (e.g., 6) OR Press VOLUME keys to select desired page zone numbers and press RIGHT soft key to move the cursor	EXT. PAGE ZONE:(6) MEMBER 1 :NONE
3. Dial member number (e.g., 3 or 03) OR Press VOLUME keys to select member numbers and press RIGHT soft key to move the cursor OR Press LEFT soft key to return to step 2	EXT. PAGE ZONE:(6) MEMBER 3 :NONE
4. Dial relay number (e.g., 362 or 3602) and press RIGHT soft key to return to step 2 OR Press LEFT soft key to return to step 3	EXT. PAGE ZONE:(6) MEMBER 3:362
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 219 Common Relay Service Type**

MMC: 606 ASSIGN SPEED BLOCK

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Adds or deletes speed dial blocks to/from the system or individual keysets. With the ability to delete a block or blocks of speed dial, these need not be wasted on such items as voice mail, SIMs and DPIMs, or on stations that do not require the ability to use speed dialling.

- The 'Free List' shows how many blocks are left to be assigned. One block has 10 entries.
- The number of blocks you can assign to system speed dials will depend on the maximum allowed per system.

DCS Maximum 1500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (100 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.

CI Maximum 500 entries (50 blocks): all of these can be allocated to system speed dials or they can be used as personal numbers with a maximum of 5 blocks per station.

CII Maximum 600 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (10 blocks) can be allocated as personal numbers with a maximum of 5 blocks per station.

816 Maximum 500 entries: a maximum of 300 (30 blocks) for system speed dials while the rest (20 blocks) can be allocated as personal numbers with a maximum of 5 blocks per station.

408/408i Maximum 300 entries: a maximum of 200 (20 blocks) for system speed dials while the rest (10 blocks) can be allocated as personal numbers with a maximum of 50 (5 blocks) per station.

***i*DCS500 'L'** Maximum 2500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (200 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.

***i*DCS500 'M'** Maximum 1500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (100 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.

***i*DCS100** Maximum 1500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (100 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.

Selectable options are:

SYSTEM (set system speed dials)

EXT (set individual extension speed dials)

ACTION	DISPLAY
1. Open programming and select **606** Display shows (for example)	FREE LIST:60 SYSTEM:20
2. Press RIGHT soft key to advance cursor	FREE LIST:60 SYSTEM:20
3. Press VOLUME keys to select SYSTEM or EXT (extension) If you select EXT, go to step 4 If you select SYSTEM, press RIGHT soft key and enter valid number of blocks to assign OR Press VOLUME keys to select and press RIGHT soft key OR Press HOLD to delete block(s) System returns to this step to make another selection (If finished go to step 6)	FREE LIST:60 SYSTEM:20
4. Enter desired EXT (extension) number (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	FREE LIST:60 EXT205:1
5. Enter valid number for blocks (0–5) OR Press VOLUME keys to make selection OR Press HOLD key to delete block(s)	FREE LIST:60 EXT205:5
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **System: 200 entries (20 blocks) (100 entries/10 blocks for 408/408i)**
Stations: One block of 10 entries

Related Items:
MMC 105 Station Speed Dial
MMC 106 Station Speed Name
MMC 705 Assign System Speed Dial
MMC 706 System Speed Dial By Name

MMC: 607 UCD OPTIONS

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets up UCD options for the UCD group assigned in MMC 601. If no UCD group has been programmed in the system, you may be presented with a warning and not allowed to enter this MMC.

Note: Some options may not be available on your system.

OPTION

FIRST MSG	First message on AA card when no agents are available to answer calls.
SECOND MSG	Second message on AA card when no agents are available to answer calls.
EXIT CODE	Routes the queued call to the Final Destination assigned in this MMC (see below). This must be dialled while 1st or 2nd MSG is active.
RETRY COUNT	Second message will be cycled with MOH until this counter value is reached.
FINAL DESTINATION	If the call is not answered by the time RETRY COUNT time is reached, it will be routed over this destination. If you press the "A" key you can enter an AA Plan number.
RING NEXT	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. If set as '0000', call will rotate between agents until answered.
UCD RECALL	Determines length of MOH between MSGs.
MOH SOURCE	Specifies MOH source to be presented to the caller.
WRAP-UP	No calls are presented to agents during this period.
AUTO LOGOUT	Turns ON or OFF the automatic logout of agents when the RING NEXT timer option is set. This setting is ignored if RING NEXT=0000.
ALLOUT→FINAL	Determines if calls forward to the Final Destination when all agents are logged out of the UCD group (ON=forward). If no Final Destination is assigned, the call will disconnect. (*i*DCS systems only)
AGENT PIN NO	If enabled, an agent PIN must be entered as part of the sequence to log into a group. The PIN must be registered in MMC 717.
GBUSY NEXT	If set ON, an incoming call is sent immediately to the final destination if all members are busy.

VALUE RANGE

FIRST MSG:	01–64
SECOND MSG:	01–64
EXIT CODE:	NONE, 0–9, *, #
RETRY COUNT:	00–99
FINAL DESTINATION :	NONE, STATION, STATION GRP, AA PLAN NO (01–12)
RING NEXT:	00–99 sec
UCD RECALL:	00–99 sec
MOH SOURCE:	TONE, NONE, Port No.
WRAP–UP:	000–250 sec
AUTO LOGOUT:	ON/OFF
ALLOUT→FINAL:	ON/OFF
AGENT PIN NO:	ON/OFF
GBUSY NEXT:	ON/OFF

ACTION	DISPLAY
1. Open programming and select **607** Display shows	[501]UCD OPTION FIRST MSG : 61
2. Dial UCD group number (e.g. 502) OR Press VOLUME keys to select number Press RIGHT soft key	[502]UCD OPTION FIRST MSG : 61
3. Dial option number from above list (e.g. 1) OR Press VOLUME keys to select option Press RIGHT soft key	[502]UCD OPTION SECOND MSG : 62
4. Enter new value using dial keypad (e.g. 01) OR Press VOLUME keys to select value Press RIGHT soft key	[502]UCD OPTION SECOND MSG : 01
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

FIRST MSG:	**61**
SECOND MSG:	**62**
EXIT CODE:	**NONE**
RETRY COUNT:	**03**
FINAL DEST:	**500**
RING NEXT:	**30 sec**
UCD RECALL:	**10 sec**
MOH SOURCE:	**TONE**
WRAP–UP:	**10 sec**
AUTO LOGOUT:	**ON**
ALLOUT→FINAL:	**OFF**
AGENT PIN NO:	**OFF**
GBUSY NEXT:	**OFF**

Related Items: MMC 601 Assign Station Group
MMC 717 UCD Agent ID

MMC: 608 ASSIGN CLIP REVIEW BLOCK

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Adds or deletes CLIP review blocks to/from an individual keyset. With the ability to delete blocks, it will not be necessary to waste these on such items as voice mail and DPIMs, or on keysets that do not have a display. The FREE value displayed shows how many numbers ("bins") are left to be assigned. The system automatically assigns 1 block of 10 bins to each keyset. Each keyset may be assigned a maximum of 5 blocks (a total of 50 numbers or bins).

ACTION	DISPLAY
1. Open programming and select **608** Display shows	[201] REVIEW BLK 10 : 1060 FREE
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] REVIEW BLK 10 : 1060 FREE
3. Press VOLUME keys to select bin number (e.g. 50) OR Press HOLD key to delete review block	[205] REVIEW BLK 50 : 1010 FREE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **One block of 10 numbers (bins)**

Related Items: **None**

MMC: 609 CALL LOG BLOCK

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (iDCS systems with LAN interface only.)

Adds or deletes Call Log blocks to/from an individual keyset. With the ability to delete blocks, it will not be necessary to waste these on such items as voice mail, DPIMs or on keysets that do not have a display. One block contains up to 10 numbers (bins). The free list will show how many bins are left to be assigned. iDCS500 'L' systems have 1500 total bins; iDCS500 'M' and iDCS100 systems have 1000 total bins. Each keyset may be assigned a maximum of 5 blocks (a total of 50 numbers or bins).

ACTION	DISPLAY
1. Open programming and select **609** Display shows	[201] LOG BLOCK 10 : 1100 FREE
2. Dial station number (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor	[205] LOG BLOCK 10 : 1100 FREE
3. Press VOLUME keys to select bin number (e.g. 50) OR Press HOLD key to delete review block	[205] REVIEW BLK 50 : 1060 FREE
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **One block of 10 numbers (bins)**

Related Items: **None**

MMC: 700 COPY COS CONTENTS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Copies a selected class of service (COS) to another COS. This is useful, for example, if you want to create a similar COS to that being copied but want to change a few selected options. This MMC allows you to enter MMC 701, *Assign COS Contents*, in order to make any changes you require. If you want to create a completely new COS, use MMC 701.

ACTION	DISPLAY
1. Open programming and select **700** Display shows	COPY COS ITEMS COS 01 → COS 01
2. Dial selected COS to copy (e.g., 05) OR Press VOLUME keys to select COS and press RIGHT soft key to move cursor	COPY COS ITEMS COS 05 → COS 01
3. Dial target COS (e.g., 06) OR Press VOLUME keys to select COS and press RIGHT soft key to move cursor back to step 2	COPY COS ITEMS COS 05 → COS 06
4. To make changes to COS options, press "F" key to advance to MMC 701 OR Go to step 5 if no changes are required	COS CONTENTS(06) TOLL LEVEL:A
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 701 Assign COS Contents**

MMC: 701 ASSIGN COS CONTENTS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Creates a new class of service (COS).

Note:
1. If you want to make a copy of an existing COS, use MMC 700.
2. If the 'unsupervised conference' feature is to be allowed in a COS, a CONF key must be programmed on keysets to allow re-entry into a conference call.

TOLL LEVEL OPTIONS

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

(The programming procedure and option tables for *i*DCS systems come after the procedure and option tables for other systems.)

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **701** Display shows	COS CONTENTS(01) TOLL LEVEL:A
2. Dial COS number (e.g., 06) OR Press VOLUME keys to select COS and press RIGHT soft key to move cursor	COS CONTENTS(06) TOLL LEVEL:A
3. Dial toll level (e.g. 2) OR Press VOLUME keys to select option	COS CONTENTS(06) TOLL LEVEL:C
4. Press RIGHT soft key to advance to COS options Use tables and data below to set options	COS CONTENTS(06) 000:AA CALER:YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

The following COS Feature Lists (1–4) are for DCS, Compact II, 816 and 408/408i systems respectively.

1. DCS : 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	CLIP abandoned
005	CLIP INQ	CLIP inquiry for review
006	CLIP INV	CLIP investigate
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	DND OVRD	DND Override
015	DOOR	Door ring answer
016	DSS	Direct station select
017	DTS	Direct trunk select
019	EXT FWD	External call forward
020	FEATURE	Feature key
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	Receive off-hook voice announcement
034	OHVAING	Make off-hook voice announcement
035	ONEA2	1A2 emulation
036	OPERATOR	Operator
037	OUT TRANSFER/TRSF	Outgoing transfer
038	OVERRIDE	Executive 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
043	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
064	STNGRP 11	Station group 11 calling

065	STNGRP 12	Station group 12 calling
066	STNGRP 13	Station group 13 calling
067	STNGRP 14	Station group 14 calling
068	STNGRP 15	Station group 15 calling
069	STNGRP 16	Station group 16 calling
070	STNGRP 17	Station group 17 calling
071	STNGRP 18	Station group 18 calling
072	STNGRP 19	Station group 19 calling
073	STNGRP 20	Station group 20 calling
074	STNGRP 21	Station group 21 calling
075	STNGRP 22	Station group 22 calling
076	STNGRP 23	Station group 23 calling
077	STNGRP 24	Station group 24 calling
078	STNGRP 25	Station group 25 calling
079	STNGRP 26	Station group 26 calling
080	STNGRP 27	Station group 27 calling
081	STNGRP 28	Station group 28 calling
082	STNGRP 29	Station group 29 calling
083	STNGRP 30	Station group 30 calling
084	–	Not used
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
091	TRKGRP05	Trunk group 05 calling
092	TRKGRP06	Trunk group 06 calling
093	TRKGRP07	Trunk group 07 calling
094	TRKGRP08	Trunk group 08 calling
095	TRKGRP09	Trunk group 09 calling
096	TRKGRP10	Trunk group 10 calling
097	TRKGRP11	Trunk group 11 calling
098	UNCO CNF	CO to CO conference
099	VM AREC	Voice mail automatic call record
100	VM AME	Voice mail answering machine emulation
101	VM REC	Voice mail manual call record
102	VM STN01	Voice mail station 01
103	VM STN02	Voice mail station 02
104	VM STN03	Voice mail station 03
105	VM STN04	Voice mail station 04
106	VM STN05	Voice mail station 05
107	VM STN06	Voice mail station 06
108	VM STN07	Voice mail station 07
109	VM STN08	Voice mail station 08
110–111	–	Not used
112	ABSENCE	Absence

2. COMPACT II : 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	CLIP abandoned
005	CLIP INQ	CLIP inquiry for review
006	CLIP INV	CLIP investigate
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	DND OVRD	DND Override
015	DOOR	Door ring answer
016	DSS	Direct station select
017	DTS	Direct trunk select
018	–	Not used

019	EXT FWD	External call forward
020	FEATURE	Feature key
021	FLASH	Trunk flash
022	FOLLOW ME	Follow Me call forward
023	FORWARD	Call forward
024	–	Not used
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	Receive off-hook voice announcement
034	OHVAING	Make off-hook voice announcement
035	ONEA2	1A2 emulation
036	OPERATOR	Operator
037	OUT TRANSFER/TRSF	Outgoing transfer
038	OVERRIDE	Executive 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
043	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
064	STNGRP 11	Station group 11 calling
065	STNGRP 12	Station group 12 calling
066	STNGRP 13	Station group 13 calling
067	STNGRP 14	Station group 14 calling
068	STNGRP 15	Station group 15 calling
069	STNGRP 16	Station group 16 calling
070	STNGRP 17	Station group 17 calling
071	STNGRP 18	Station group 18 calling
072	STNGRP 19	Station group 19 calling
073	STNGRP 20	Station group 20 calling
074–084	–	Not used
085	SYS SPD	System speed dial
086	–	Not used
087	TRKGRP01	Trunk group 01 calling
088	TRKGRP02	Trunk group 02 calling
089	TRKGRP03	Trunk group 03 calling
090	TRKGRP04	Trunk group 04 calling
091	TRKGRP05	Trunk group 05 calling
092	TRKGRP06	Trunk group 06 calling
093	TRKGRP07	Trunk group 07 calling
094	TRKGRP08	Trunk group 08 calling
095	TRKGRP09	Trunk group 09 calling
096	TRKGRP10	Trunk group 10 calling

097	TRKGRP11	Trunk group 11 calling
098	UNCO CNF	CO to CO conference
099	VM AREC	Voice mail automatic call record
100	VM AME	Voice mail answering machine emulation
101	VM REC	Voice mail manual call record
102	VM STN01	Voice mail station 01
103	VM STN02	Voice mail station 02
104	VM STN03	Voice mail station 03
105	VM STN04	Voice mail station 04
106	VM STN05	Voice mail station 05
107	VM STN06	Voice mail station 06
108	VM STN07	Voice mail station 07
109	VM STN08	Voice mail station 08
110–111	–	Not used
112	ABSENCE	Absence

3. 816 : 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	CLIP abandoned
005	CLIP INQ	CLIP inquiry for review
006	CLIP INV	CLIP investigate
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	DND OVRD	DND Override
015	DOOR	Door ring answer
016	DSS	Direct station select
017	DTS	Direct trunk select
018	–	Not used
019	EXT FWD	External call forward
020	FEATURE	Feature key
021	FLASH	Trunk flash
022	FOLLOW ME	Follow Me call forward
023	FORWARD	Call forward
024	–	Not used
025	GRP I/O	Group in/out
026	HOLD	Hold
027	HOT LINE	Hot line
028	INTERCOM	Intercom call
029	MESSAGE	Message
030	MM PAGE	Meet me page
031	NEW CALL	New call
032	OHVAED	Receive off-hook voice announcement
033	OHVAING	Make off-hook voice announcement
034	ONEA2	1A2 emulation
035	OPERATOR	Operator
036	OUT TRANSFER/TRSF	Outgoing transfer
037	OVERRIDE	Executive Override
038	PAGE 0	Page zone 0 PAGING
039	PAGE 1	Page zone 1 PAGING
040	PAGE 2	Page zone 2 PAGING
041	PAGE 3	Page zone 3 PAGING
042	PAGE 4	Page zone 4 PAGING
043	PAGE 5	Page zone 5 PAGING
044–047	–	Not used
048	PAGE ✶	Page zone ✶PAGING
049	PICKUP	Call pickup
050	SECURE	Override secure
051	SSPD TOL	System speed dial toll check
052	STN LOCK	Station locking

053	STNGRP 01	Station group 01 calling
054	STNGRP 02	Station group 02 calling
055	STNGRP 03	Station group 03 calling
056	STNGRP 04	Station group 04 calling
057	STNGRP 05	Station group 05 calling
058	STNGRP 06	Station group 06 calling
059	STNGRP 07	Station group 07 calling
060	STNGRP 08	Station group 08 calling
061	STNGRP 09	Station group 09 calling
062	STNGRP 10	Station group 10 calling
063–083	–	Not used
084	SYS SPD	System speed dial
085	–	Not used
086	TRKGRP01	Trunk group 01 calling
087	TRKGRP02	Trunk group 02 calling
088	TRKGRP03	Trunk group 03 calling
089	TRKGRP04	Trunk group 04 calling
090–096	–	Not used
097	UNCO CNF	CO to CO conference
098–099	–	Not used
100	ABSENCE	Absence

4. 408/408i : COS FEATURE LIST BY OPTION NUMBER

408	408i		
02	02	AUTO RDL	Retry on busy
03	03	CALLBACK	Callback
–	04	CLIP ABN	CLIP abandoned (408i only)
–	05	CLIP INQ	CLIP inquiry for review (408i only)
–	06	CLIP INV	CLIP investigate (408i only)
04	07	CONFER	Conference
05	08	DALM CLR	DISA alarm ring clear
06	09	DAY/NIG.	Change day/night mode
07	10	DIRECT	Directory dial
09	12	DND	Do Not Disturb
10	13	DND OVRD	DND Override
12	15	DOOR	Door ring answer
13	16	DSS	Direct station select
14	17	DTS	Direct trunk select
15	18	EXT FWD	External call forward
16	19	FEATURE	Feature key
17	20	FLASH	Trunk flash
18	21	FOLLOW ME	Follow Me call forward
19	22	FORWARD	Call forward
20	23	GRP I/O	Group in/out
21	24	HOLD	Hold
22	25	HOT LINE	Hot line
23	26	INTERCOM	Intercom call
24	27	MESSAGE	Message
25	28	MM PAGE	Meet me page
26	29	NEW CALL	New call
27	30	OHVAED	Receive off-hook voice announcement
28	31	OHVAING	Make off-hook voice announcement
29	32	ONEA2	1A2 emulation
30	33	OPERATOR	Operator
31	34	OUT TRANSFER/TRSF	Outgoing transfer
32	35	OVERRIDE	Executive Override
33	36	PAGE 0	Page zone 0 PAGING
34	37	PAGE 1	Page zone 1 PAGING
35	38	PAGE 2	Page zone 2 PAGING
–	41	PAGE 5	Page zone 5 PAGING
42	42–45	–	Not used
43	46	PAGE ✱	Page zone ✱ PAGING
44	47	PICKUP	Call pickup

408	408i		
45	48	SECURE	Override secure
46	49	SSPD TOL	System speed dial toll check
47	50	STN LOCK	Station locking
48	51	STNGRP 01	Station group 01 calling
49	52	STNGRP 02	Station group 02 calling
50	53	STNGRP 03	Station group 03 calling
51	54	STNGRP 04	Station group 04 calling
52–78	55–81	–	Not used
79	82	SYS SPD	System speed dial
80	83	TRKGRP01	Trunk group 01 calling
81	84	TRKGRP02	Trunk group 02 calling
82–90	85–93	–	Not used
91	94	UNCO CNF	CO to CO conference
92	95	ABSENCE	Absence

Default Data: **Toll Level: all COS=A**
Features: OVERRIDE=NO, all others=YES

Related Items: **See *Related Items*, below**

■ For *i*DCS systems

Options are 0: TOLL LEVEL, 1: USABLE FEATURE, 2: CALL STN GROUP, 3: CALL TRK GROUP, and 4: CALL BIVMS STN.

ACTION	DISPLAY
1. Open programming and select **701** Display shows	COS CONTENTS(01) TOLL LEVEL:A
2. Dial COS number (e.g., 06) OR Press VOLUME keys to select COS and press RIGHT soft key to move cursor	COS CONTENTS(06) TOLL LEVEL:A
3. Dial 0–4 to select option, e.g. 1 (USABLE FEATURE) OR Press VOLUME keys to select	COS CONTENTS(06) 00: AA CALER :YES
4. Dial feature number (e.g. 02) (see tables, below) OR Press VOLUME keys to select	COS CONTENTS(06) 02: ALM CLR :YES
5. Dial 0 for NO or 1 for YES OR Press VOLUME keys to select and press RIGHT soft key to return to step 3 Use tables and data below to set other options	COS CONTENTS(06) 02: ALM CLR :NO
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

1. USABLE FEATURE option:

1. *i*DCS: COS FEATURE LIST BY NUMBER

00	AA CALER	Auto answer control by caller
01	ABSENCE	Absence
02	ALM CLR	Alarm sensor ring answer
03	AUTO RDL	Retry on busy
04	CALLBACK	Callback
05	CLIP ABN	CLIP abandoned
06	CLIP INQ	CLIP inquiry for review
07	CLIP INV	CLIP investigate
08	CONFER	Conference
09	DALM CLR	DISA alarm ring clear
10	DIRECT	Directory dial
11	DISA	Allow DISA
12	DND	Do Not Disturb
13	DND FWRD	Forward on DND
14	DND OVRD	DND Override
15	DOOR	Door ring answer
16	DSS	Direct station select
17	DTS	Direct trunk select
18	EXT AREC	Internal call automatic record (Voice Mail SVM-800)
19	EXT FWD	External call forward
20	FEATURE	Feature key
21	FLASH	Trunk flash
22	FOLLOW ME	Follow Me call forward
23	FORWARD	Call forward
24	FORWARDTOVMS	Call forward to voice mail
25	GRP I/O	Group in/out
26	HOLD	Hold
27	HOT LINE	Hot line
28	INTERCOM	Intercom call
29	MCID	Malicious Call ID trace (*i*DCS500 'L' systems only)
30	MESSAGE	Message
31	MM PAGE	Meet me page
32	NEW CALL	New call
33	OHVAED	Receive off-hook voice announcement
34	OHVAING	Make off-hook voice announcement
35	ONEA2	1A2 emulation
36	OPERATOR	Operator
37	OUT TRSF	Outgoing transfer
38	OVERRIDE	Executive Override
39	PAGE 0	Page zone 0 PAGING
40	PAGE 1	Page zone 1 PAGING
41	PAGE 2	Page zone 2 PAGING
42	PAGE 3	Page zone 3 PAGING
43	PAGE 4	Page zone 4 PAGING
44	PAGE 5	Page zone 5 PAGING
45	PAGE 6	Page zone 6 PAGING
46	PAGE 7	Page zone 7 PAGING
47	PAGE 8	Page zone 8 PAGING
48	PAGE 9	Page zone 9 PAGING
49	PAGE *	Page zone * PAGING
50	-	Not used
51	PICKUP	Call pickup
52	PRB	Privacy release bridge (*i*DCS500 'L' systems only)
53	REM. HOLD	Remote hold
54	RING PLAN	Ring mode
55	SECURE	Override secure
56	SET RLOC	Set relocation
57	SSPD TOL	System speed dial toll check
58	STN LOCK	Station locking
59	SYS SPD	System speed dialling

60	TRK AREC	Trunk call automatic record (SVM-800 Voice Mail)
61	TRK EHLD	Trunk call exclusive hold
62	UNCO CNF	Unsupervised conference
63	VM AREC	Auto record (voice mail)
64	VM AME	Answering machine emulation (voice mail)
65	VM REC	Call record (voice mail)
66	VMS PSWD	VMS password (SVM-800)
67	VMS REC	VMS call record (SVM-800)

2. CALL STN GROUP, 3. CALL TRK GROUP and 4. CALL BIVMS STN options:

	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100	
STN GROUP	01–50	01–30	01–20	Station group xx calling
TRK GROUP	01–50	01–11	01–11	Trunk group xx calling
BIVMS STN	01–16	01–16	01–08	VM port xx calling

Default Data:

Toll Level: all COS=A

USABLE FEATURES: DND OVRD, EXT AREC, OVERRIDE, SET RLOC, TRK AREC, VM AREC, VM AME, VM REC = NO (ALL OTHERS = YES)

CALL STN GROUP = YES
CALL TRK GROUP = YES
CALL BIVMS STN = YES

Related Items:

MMC 700 Copy COS Contents
MMC 702 Toll Deny Table
MMC 703 Toll Allowance Table
Toll Restriction

MMC: 702 TOLL DENY TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets up the Toll Deny table (call barring).

	DCS	CII / 816	408/408i	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100
No. of entries in table	500 (001–500)	200 (001–200)	100 (001–100)	500 (001–500)	250 (001–250)	250 (001–250)

Each entry, up to 12 digits, can be assigned to a class of service. With the use of wild cards (see 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 internal calls only by default.

WILD CARD KEYS

Wild card characters (X, Y, and Z) can be entered using the dedicated keys on your keyset as shown in the table.

Keyset Type	Key Number	Wild Card
DCS (Euro)	19 (24B) or 7 (12B) or 1 (6B)	X
	20 (24B) or 8 (12B) or 2 (6B)	Y
	21 (24B) or 9 (12B) or 3 (6B)	Z
*i*DCS	21 (28D and 18D) or 1 (8D)	X
	25 (28D and 18D) or 2 (8D)	Y
	22 (28D and 18D) or 5 (8D)	Z

Refer to section 1.5 in Part 1 for a description of key numbers for your keyset.

ACTION	DISPLAY
1. Open programming and select **702** Display shows	DENY(001):BCDEFG :000000
2. Dial entry number (e.g., 005) OR Press VOLUME keys 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) and press RIGHT soft key to move cursor to COS options	DENY(005):BCDEFG _ :000000 DENY(005):BCDEFG 212 :000000 DENY(005):BCDEFG 21X :000000
3. Press VOLUME keys to move cursor along line until under toll class mark (e.g., E) Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1 OR Press LEFT soft key to return to step 2	DENY(001):BCDEFG 212 :000100
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All entries are set to 0**

Related Items:
MMC 301 Assign Station COS
MMC 701 Assign COS Contents
MMC 703 Toll Allowance Table
MMC 704 Assign Wild Character

MMC: 703 TOLL ALLOWANCE TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets up the Toll Allowance table.

	DCS	CII / 816	408/408i	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100
No. of entries in table	500 (001–500)	200 (001–200)	100 (001–100)	500 (001–500)	250 (001–250)	250 (001–250)

Each entry, up to 12 digits, can be assigned to a class of service. With the use of wild cards (see 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 internal calls only by default.

WILD CARD KEYS

Wild card characters (X, Y, and Z) can be entered using the dedicated keys on your keyset. (Refer to the table in MMC 702.)

ACTION	DISPLAY
1. Open programming and select **703** Display shows	ALOW(001):BCDEFG :000000
2. Dial entry number (e.g., 005) OR Press VOLUME keys to select index and press RIGHT soft key to move cursor and enter toll pattern (e.g., 212) OR Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options.	ALOW(005):BCDEFG _ :000000 ALOW(005):BCDEFG 212 :000000 ALOW(005):BCDEFG 21X :000000
3. Press VOLUME keys to move cursor along line until under toll class mark (e.g., E) Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1 OR Press LEFT soft key to return to step 2	ALOW(001):BCDEFG 212 :000100
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All entries are set to 0**

Related Items:
MMC 301 Assign Station COS
MMC 701 Assign COS Contents
MMC 702 Toll Deny Table
MMC 704 Assign Wild Character

MMC: 704 ASSIGN WILD CHARACTER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

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

ACTION	DISPLAY
1. Open programming and select **704** Display shows	:0123456789***#** X:111111111111
2. Press VOLUME keys to select X, Y, or Z and press RIGHT soft key to advance cursor to option line	:0123456789***#** X:111111111111
3. Press VOLUME keys to move cursor to digit(s) desired (0–#, e.g. 5) and enter 1 or 0 as required Press LEFT or RIGHT soft key to return to step 2 to make more selections if required	:0123456789***#** X:111110111111
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **X = all '1'**
Y & Z = all '0'

Related Items: MMC 702 Toll Deny Table
MMC 703 Toll Allowance Table

MMC: 705 ASSIGN SYSTEM SPEED DIAL

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns system speed dialling numbers.

	DCS / CII	816	408/408i	*i*DCS
No. of speed dials	500	300	200	500
Speed dial numbers	500–999	500–799	500–699	500–999

Refer to MMC 606, Assign Speed Block. Each speed dial number consists of a trunk or trunk group access code (e.g. 9) followed by a separator (–) and up to 24 digits to be dialled. These dialled digits can be 0–9, ✱ and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

FEATURE KEYS

"B"	Insert a flash code "F"
"C"	Insert a pause code "P"
"D"	Insert a pulse/tone conversion code "C"
"E"	Mask/unmask following digits - shows as "[" or "]"
"F"	Toggle to MMC 706 and enter name for speed dial no.

(Refer to section 1.5.2 in Part 1 for a description of feature keys.)

ACTION	DISPLAY
1. Open programming and select **705** Display shows	SYS SPEED DIAL 500:
2. Enter the speed dial required (e.g., 505) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	SYS SPEED DIAL 505:
3. Enter access code (e.g., 9) plus the phone number up to 24 digits (digits will scroll under)	SYS SPEED DIAL 505:9–121223456789
4. Press "F" key to toggle to MMC 706 (step 3) to enter a speed name for this number OR Press RIGHT soft key to return to step 2 to enter another speed dial number	SYS SPEED NAME 505:_
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 606 Assign Speed Block**
MMC 706 System Speed Dial By Name

MMC: 706 SYSTEM SPEED DIAL BY NAME

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows a name, up to 11 characters, to be entered for each system speed dial number you set up in MMC 705. This name enables the number to be located when using the directory dial feature. The directory dial feature allows the display keyset user to select a speed dial number by searching for the name.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the 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 keypad to complete your name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

The "F" key can be used to toggle to MMC 705 during programming.

ACTION	DISPLAY
1. Open programming and select **706** Display shows	SYS SPEED NAME 500:
2. Dial system speed entry number (e.g., 505) OR Press VOLUME keys to select entry number and press RIGHT soft key to move cursor	SYS SPEED NAME 505:
3. Enter name using dial keypad and press RIGHT soft key to return to step 2 OR Press the "F" key to return to MMC 705 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	SYS SPEED NAME 505:TELECOMS SYS SPEED DIAL 505:

Default Data: **No names**

Related Items: **MMC 606 Assign Speed Block**
MMC 705 Assign System Speed Dial

MMC: 707 AUTHORISATION CODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets up authorisation codes on a per-class of service basis.

	DCS	CI / CII	816	408/408i	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100
No. of entries	250 (001–250)	100 (001–200)	30 (01–30)	10 (01–10)	500 (001–500)	250 (001–250)	250 (001–250)
No. of digits	4	4	4	4	4–10	4	4

ACTION	DISPLAY
1. Open programming and select **707** Display shows	AUTHOR.CODE(001) CODE: COS:01
2. Dial code entry number (see above) including any leading zeros (e.g., 05 or 005) OR Press VOLUME keys to selected index number and press RIGHT soft key to move cursor	AUTHOR.CODE(005) CODE:_ COS:01
3. Enter authorisation code (maximum four digits) (e.g., 1234) and press RIGHT soft key to move cursor	AUTHOR.CODE(005) CODE:1234 COS:01
4. Enter class of service number 01–30 (e.g., 05) OR Press VOLUME keys to select COS and press RIGHT soft key to select and return to step 2	AUTHOR.CODE(005) CODE:1234 COS:05
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 305 Assign Forced Code**

MMC: 708 ACCOUNT CODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets up account codes.

	DCS	CI	CII / 816	408/408i	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100
No. of entries	500 (001–250)	250 (001–250)	200 (001–200)	100 (001–100)	999 (001–999)	500 (001–500)	500 (001–500)
No. of digits	12	12	12	12	12	12	12

ACTION	DISPLAY
1. Open programming and select **708** Display shows	ACCOUNT CODE 001:
2. Dial code entry number (see above) (e.g., 005) OR Press VOLUME keys to selected index number and press RIGHT soft key to move cursor	ACCOUNT CODE 005:
3. Enter account code (maximum 12 digits)	ACCOUNT CODE 005:123456789012
4. Press RIGHT soft key to move cursor back to step 2 to enter another code OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 305 Assign Forced Code**

MMC: 709 TOLL PASS CODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets codes and numbers valid for the following options:

0 PBX CODE
Identifies 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 option). A maximum of five entries is allowed (two for 408/408i systems). Toll restriction is applied only to trunks flagged as PBX in MMC 401 when these codes are dialled.

1 SPECIAL CODE
Identifies the access codes needed to work toll restriction when operating special C.O.-provided functions (SPECIAL CODE option)—a maximum of 10 entries is allowed, each up to four digits.

***i*DCS** systems also provide the following options:

2 TOLL OVERRIDE
This table of eight entries is used to identify numbers that will bypass all dialling restrictions including toll restriction, trunk access and forced authorisation and account codes. Each entry in the table can be up to 14 digits long.

3 OVRD USE TRK GRP
Designates the trunk group to use if a toll override number is dialled.

ACTION	DISPLAY
1. Open programming and select **709** Display shows	PBX ACCESS CODE 1:
2. Dial option 0 or 1 (or 0–3 for *i*DCS) e.g. 0 OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	PBX ACCESS CODE 1:
3. Enter code index number (e.g., 2) OR Press VOLUME keys to make selection Press RIGHT soft key to move cursor	PBX ACCESS CODE 2:_
4. Enter the desired access/feature code (max. 4 digits, e.g., 9)	PBX ACCESS CODE 2:9

5. Press RIGHT soft key to return to step 3 and enter another index number
   OR
   Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **None**

Related Items:
MMC 304 Assign Station/Trunk Use
MMC 305 Assign Forced Code
MMC 401 CO/PBX Line
MMC 702 Toll Deny Table
MMC 703 Toll Allowance Table

MMC: 710 LCR DIGIT TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: The LCR DIGIT TABLE contains all numerical digits for the completion of out-going call placement. This table works in conjunction with MMC 711 (LCR Time Table), MMC 712 (LCR Route Table), and MMC 713 (LCR Modify Digit Table).

Maximum number of entries is:

DCS & CII	816	408 & 408i	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100
500	300	100	2000	1000	1000

Digit string length is 10 digits. This system automatically maintains entered digit strings in numerical order. The characters ✱ and # are also accepted for use with feature codes.

ACTION	DISPLAY
1. Open programming and select **710** Display shows	LCR DIGIT (001) DIGIT:
2. Dial LCR entry (e.g., 005 or 0005) OR Press VOLUME keys to select entry and press RIGHT soft key to move cursor	LCR DIGIT (005) DIGIT: _
3. Enter LCR digit string 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 01–16 (01–32 for *i*DCS500 'L') 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 Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Depends on software version**

Related Items:
MMC 210 Customer On/Off
MMC 400 Customer On/Off Per Trunk
MMC 711 LCR Time Table
MMC 712 LCR Route Table
MMC 713 LCR Modify Digit Table

MMC: 711 LCR TIME TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: This table gives 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.

FEATURE KEYS

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

TIME BAND	DIAL
A	0
B	1
C	2
D	3

LCRT	DIAL
LCRT	1
LCRT	2
LCRT	3
LCRT	4

ACTION	DISPLAY
1. Open programming and select **711** Display shows	LCR TIME (SUN:A) HHMM: 0000 LCRT:1
2. Dial day of week (SUN–SAT, e.g., WED) OR Press VOLUME keys to make day selection and press RIGHT soft key	LCR TIME (WED:A) HHMM: 0000 LCRT:1
3. Dial time band (A–D, e.g., B) OR Press VOLUME keys to make selection and press RIGHT soft key	LCR TIME (WED:B) HHMM: 0000 LCRT:1
4. Dial time via keypad (24-hour clock format, e.g. 0800) Cursor moves to LCRT	LCR TIME (WED:B) HHMM:0800 LCRT:1
5. Dial entry 1–4 OR Press VOLUME keys to select entry and press RIGHT soft key	LCR TIME (WED:B) HHMM:0800 LCRT:2
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

DAY	TIME BAND	TIME	LCRT
SUN–SAT	A	0000	1
	B	2359	1

Related Items:

MMC 210 Customer On/Off
MMC 400 Customer On/Off Per Trunk
MMC 710 LCR Digit Table
MMC 712 LCR Route Table
MMC 713 LCR Modify Digit Table

MMC: 712 LCR ROUTE TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: The LCR ROUTE TABLE is responsible for selecting a specific trunk group in the completion of an outgoing call. This table works in conjunction with MMC 310 (LCR Class Of Service), MMC710 (LCR Digit Table), MMC711 (LCR Time Table), and MMC713 (LCR Modify Digit Table). After the user dials a valid digit string, the system uses the LCR Route Table to select a specific predetermined trunk group. A maximum of 16 routes are available (except for *i*DCS500 'L' systems which have 32) beginning with route number 01. 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.

ACTION	DISPLAY
1. Open programming and select **712** Display shows	LCR ROUTE (01:1) C:1 G:9 M:001
2. Dial LCR ROUTE index number 1–16 (e.g., 05) OR Press VOLUME keys to selected index and press RIGHT soft key to move cursor	LCR ROUTE (05:1) C:1 G:9 M:005
3. Dial TIME BAND index number 1–4 (e.g., 2) OR Press VOLUME keys to selected index and press RIGHT soft key to move cursor	LCR ROUTE (05:2) C:1 G:NONE M:---
4. Dial LCR COS number 1–8 (e.g., 4) OR Press VOLUME keys to selected COS and press RIGHT soft key to move cursor	LCR ROUTE (05:2) C:4 G:NONE M:---
5. Dial TRUNK GROUP access code (e.g., 9) OR Press VOLUME keys to selected access code and press RIGHT soft key to move cursor	LCR ROUTE (05:2) C:4 G:9 M:---
6. Dial MODIFY DIGITS index number 001–100 (or 001–200 for *i*DCS500 'L') (e.g., 050) OR Press VOLUME keys to selected index number and press RIGHT soft key to move cursor	LCR ROUTE (05:2) C:4 G:9 M:050
OR Press RIGHT soft key to leave entry unchanged	LCR ROUTE (05:2) C:4 G:9 M:---
7. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

ROUTE	TIME BAND	COS	TRK GRP	MODIFY TBL INDEX
01–16	1	1	9	001–016
17–32	1	1	NONE	NONE

Related Items:

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

MMC: 713 LCR MODIFY DIGIT TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Also referred to as Outdial Rules, this enables the system to add or delete a digit string or single digit, if needed, to complete a call (e.g. adding a digit "1"). The characters ✱ and # can also be entered.

Option	Max No. 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

ACTION	DISPLAY
1. Open programming and select **713** Display shows	LCR MODIFY (001) NOF DEL DGT:00
2. Enter index number 001–100 (or 001–200 for *i*DCS500 'L') (e.g., 005) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	LCR MODIFY (005) NOF DEL DGT:00
3. Enter number of digits to delete (e.g. 2) OR Press RIGHT soft key to skip step and move cursor to step 4	LCR MODIFY (005) NOF DEL DGT:02
4. Enter digits to be inserted (e.g., 10288) OR Press RIGHT soft key to skip step or to store information and advance to step 5	LCR MODIFY (005) I:10288
5. Enter digits to be appended (e.g., 45678) OR Press RIGHT soft key to skip step or to store information and return to step 2	LCR MODIFY (005) A:45678_
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Depends on software version**

Related Items:
MMC 710 LCR Digit Table
MMC 711 LCR Time Table
MMC 712 LCR Route Table

MMC: 714 DDI NUMBER AND NAME TRANSLATION

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns an incoming DDI call through ISDN to a specific station, if you have specified DDI service with your Network Carrier. DDI numbers can be matched to specific stations depending on day or night mode, or ring plan. You 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. A call waiting option allows a second DDI number to be received. *i*DCS500 'L' system administrators can also define a Music-On-Hold source for callers to specific DDI numbers.

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 the DDI NUMBER TABLE, the system routes the call to the operator group (by default) or to the destination assigned in MMC 406.

Maximum number of entries is:

DCS & CII	816	408 & 408i	*i*DCS500 'L'	*i*DCS500 'M'	*i*DCS100
200	50	20	999	400	500

Each entry consists of the following fields.

DIGITS (DGT) Digits to be received (max. 12 digits). Wild card (✱) is a valid entry

MOH SOURCE (*i*DCS500 'L' systems only) Music-On-Hold source for DDI calls put on hold. There is a total of six possible music selections. In addition to "TONE", you may select an internal or external music source. Other sources can be:

- An Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last AA port on the AA card (3958). If selected, the Music-on-Hold will be the message defined in MMC 736.
- A Voice Mail card to select a recording as a music source. The recording must already be defined in MMC 756 and will show up here as the voice mail port associated with the recording.

DESTINATION Destination can be a station, a station group, a trunk or trunk group. A destination can be selected for both day and night mode, or for each ring plan for *i*DCS systems. (The character "B" is acceptable to bypass.)

CALL WAIT (CW) Allow a second DDI call to be received. Toggles YES or NO.

DELETE 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).

NAME Gives a name to an individual entry (11 characters maximum). Names are written using the keypad in the same way as speed dial names (see MMC 706).

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **714** Display shows	DID DIGIT (001) DGT:2✱✱
2. Enter valid entry number (e.g. 005 or 05) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) DGT:
3. Enter the DDI number (e.g. 4603831) and press RIGHT soft key to move cursor (Max. digits is 12)	DID DIGIT (005) DGT:4603831
4. Enter day destination (e.g. 204) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) →D:204 N:B
5. Enter night destination (e.g. 204) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) →D:204 N:204
6. Enter 1 for YES (call waiting) or 0 for NO (no call waiting) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) CW: NO DELETE:0
7. Enter digits to be deleted (e.g. 3) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) CW: NO DELETE:3
8. Enter name using above table and press RIGHT soft key to return to step 2	DID DIGIT (005) NAME:_
9. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

	001	002	003	004
DIGITS*	**2✱✱**	**3✱✱**	**5✱✱**	**7✱✱✱**
DAY DEST	**B**	**B**	**B**	**B**
NIGHT DEST	**B**	**B**	**B**	**B**
CALL WAIT	**NO**	**NO**	**NO**	**NO**
DELETE	**0**	**0**	**0**	**0**
NAME	**None**	**None**	**None**	**None**

***For 816 systems, default DIGITS are:**

01	02	03
2✱✱	5✱✱	7✱✱✱

(Other defaults apply.)

For 408i systems, default DIGITS are:

01	02	03
2✱	5✱	7✱✱✱

(Other defaults apply.)

Related Items: **See *Related Items*, below**

■ For *i*DCS systems

ACTION	DISPLAY
1. Open programming and select **714** Display shows	DID DIGIT (001) DGT:
2. Enter valid entry number (e.g. 005 or 05) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) DGT:
3. Enter the DDI number (e.g. 4603831) and press RIGHT soft key to move cursor (max. 12 digits) For *i*DCS500 'L' systems only, now go to step 4. For others, now go to step 5	DID DIGIT (005) DGT:4603831
4. Enter Music-on-Hold source (e.g. 372) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) MOH SOURCE:372
5. Enter destination for ring plan 1 (e.g. 501) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor Continue selecting destinations for ring plans 2–6, as required using RIGHT soft key to move cursor	DID DIGIT (005) →1: 501 2:
6. At CW (call waiting) prompt: Enter 1 for YES or 0 for NO OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) CW: NO DELETE:0

7. Enter digits to be deleted (e.g. 3)
   OR
   Press VOLUME keys to make selection and press RIGHT soft key to move cursor

```
DID DIGIT        (005)
CW: NO    DELETE:3
```

8. Enter name using above table and press RIGHT soft key to return to step 2

```
DID DIGIT        (005)
NAME:_
```

9. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:

DIGITS:	**None**
DESTN:	**B (all ring plans)**
CALL WAIT:	**NO**
DELETE:	**0**
NAME:	**NONE**

Related Items:

MMC 419 BRI Options
MMC 420 PRI Options
MMC 421 MSN Digit

MMC: 715 PROGRAMMED STATION MESSAGE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows customised messages, up to 16 characters each, to be programmed. You can also edit any of the 10 pre-programmed (default) messages, if necessary, to suit your working environment.

These messages can be selected by a station user to inform other users of their current status (e.g. “In a Meeting”). The message displays on the user‘s keyset and also on any calling keyset which has a display.

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 “In the Showroom,” press key number “4” three times to get the letter “I.” Then press key number “6” twice to get the letter “N” and press the VOLUME UP key to move the cursor right. Continue selecting characters from the keypad to complete your message. Press the programmable ”A” key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

■ For all systems except *i*DCS

There are 20 messages allowed in total (01–20). Messages 01–10 are pre-programmed (see below) but can be changed by deleting and/or typing in new text. Messages 11–20 are blank by default (“EMPTY MESSAGE” may be displayed if one of these is selected, or the display is blank).

01. IN A MEETING
02. OUT ON A CALL
03. OUT TO LUNCH
04. LEAVE A MESSAGE
05. PAGE ME
06. OUT OF TOWN
07. IN TOMORROW
08. RETURN AFTERNOON
09. ON VACATION
10. GONE HOME

■ For *i*DCS systems

***i*DCS500 'L'**	***i*DCS500 'M' & *i*DCS100**
30 possible messages (**01–30**) Messages **01–10** are pre-programmed as follows, but can be changed: 01 GIVE ME THE CALL 02 TAKE A MESSAGE 03 ASK THEM TO HOLD 04 SEND TO MY VOICE MAIL 05 TRSF TO MY SECY 06 LEAVE A MESSAGE 07 PAGE ME 08 OUT OF TOWN 09 IN A MEETING 10 I WILL CALL BACK Messages **11–25** are blank for new messages to be created (up to 16 characters). Messages **26–27** are pre-programmed as follows, but can be changed: 26 RETURN AT ✻✻✻✻✻ 27 RETURN ON ✻✻✻✻✻ (Station users can select these messages and insert times or dates as required into the message) Messages **28–30** are blank for new messages to be created (up to 9 characters). These have the same format as messages 26–27 and allow station users to insert times or dates as required into the message.	20 possible messages (**01–20**) Messages **01–10** are pre-programmed as follows, but can be changed: 01 GIVE ME THE CALL 02 TAKE A MESSAGE 03 ASK THEM TO HOLD 04 SEND TO MY VOICE MAIL 05 TRSF TO MY SECY 06 LEAVE A MESSAGE 07 PAGE ME 08 OUT OF TOWN 09 IN A MEETING 10 I WILL CALL BACK Messages **11–18** are blank for new messages to be created (up to 16 characters). Messages **19–20** are pre-programmed as follows, but can be changed: 19 RETURN AT ✻✻✻✻✻ 20 RETURN ON ✻✻✻✻✻ (Station users can select these messages and insert times or dates as required into the message)

ACTION	DISPLAY
1. Open programming and select **715** Display shows (message may be different)	PGM.MESSAGE(01) GIVE ME THE CALL
2. Enter message number (e.g., 11) OR Press VOLUME arrow to make selection and press RIGHT soft key to move cursor	PGM.MESSAGE(11) Blank Message
3. If “EMPTY MESSAGE” or “Blank Message” is displayed, you can press HOLD to delete this text. However, this is optional as any new message you type will simply overwrite the displayed text. Enter new message (maximum 16 characters), e.g. “In the Showroom”	PGM.MESSAGE(11) In the Showroom
4. Press RIGHT soft key to return to step 2 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **See above**

Related Items: **MMC 115 Set Programmed Message**

MMC: 716 UK LCR OPTION

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Provides UK Least Cost Routing options.

Caution: Before using this MMC, run MMC 812 to make sure the correct country option (e.g. "UK") has been selected.

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 network.
2	CCC OPTION	Selects Cost Centre Code (1: NONE or STATION NUMBER)
3	STATION PIN NO	Assigns individual users to selected PIN codes in the system.

ACTION	DISPLAY
1. Open programming and select **716** Display shows	NETWORK CODE 01:1703 USE:CCC
2. Dial item number (e.g., 2) OR Press VOLUME keys to make selection and press RIGHT soft key.	CCC OPTION STATION NUMBER
3. Dial 0 or 1 for CCC option (e.g., 0) OR Press VOLUME keys to make selection and press RIGHT soft key	CCC OPTION STATION NUMBER
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

NETWORK CODE:	**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 Select Country

Default Data:

NETWORK CODE:	**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 Select Country

MMC: 717 UCD AGENT ID

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Valid only for *i*DCS systems. For Compact I refer instead to MMC 717, PIN Code, next.)

Enter PIN numbers for UCD agents.

*i*DCS500 'L' systems cater for 300 PINs (001–300); *i*DCS500 'M' and *i*DCS100 systems cater for 100 PINs (001–100)

ACTION	DISPLAY
1. Open programming and select **717** Display shows	AGENT PIN (001) ID: GRP:NONE
2. Dial PIN number (e.g., 002) OR Press VOLUME keys to make selection and press RIGHT soft key.	AGENT PIN (002) ID: _ GRP:NONE
3. Enter ID (four digits), e.g. 5555, and press RIGHT soft key	AGENT PIN (002) ID:5555 GRP:NONE
4. Enter the group number (e.g. 515) OR Press VOLUME keys to make selection and press RIGHT soft key to enter and return to step 2	AGENT PIN (002) ID:5555 GRP:515
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: MMC 607 UCD Options

MMC: 717 PIN CODE

DCS	✗	CI	✓	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: **(Valid only for Compact I systems. For *i*DCS systems refer instead to MMC 717, UCD Agent ID, above.)**

Assign the PIN code used when a call is routed to the secondary 131 Cable & Wireless network.

ACTION	DISPLAY
1. Open programming and select **717** Display shows	PIN CODE 1:
2. Enter index number (e.g., 2) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	PIN CODE 2:
3. Enter the desired access code (e.g., 3040506) Press RIGHT soft key to enter and return to step 2 and enter another number	PIN CODE 2:3040506
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items:
MMC 210 Customer On/Off
MMC 313 Assign PIN Code
MMC 716 UK LCR Option

MMC: 718 MY AREA CODE

Not Used in the UK / EU

MMC: 720 COPY KEY PROGRAMMING

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: For duplicating key assignments 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. A limitation is that the original and target keysets must have the same number of keys, e.g. both 24B keysets or both 12B keysets. A further condition is that a Euro keyset can only be copied to another Euro keyset, and an *i*DCS series keyset only to another *i*DCS series keyset.

ACTION	DISPLAY
1. Open programming and select **720** Display shows	[201] COPY KEY FROM:NONE
2. Enter the station number to copy to (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	[205] COPY KEY FROM:NONE
3. Enter station number to copy from (e.g., 203) (Cursor returns to step 2) OR Press VOLUME keys to make selection	[205] COPY KEY FROM:203
4. Press RIGHT soft key to return to step 2 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items:
- MMC 107 Key Extender
- MMC 721 Save Station Key Programming
- MMC 722 Station Key Programming
- MMC 723 System Key Programming

MMC: 721 SAVE STATION KEY PROGRAMMING

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Prevents the loss of programmable keys on keysets when testing or replacement is required. 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 keyset type is used.

Options are SAVE and RESTORE.

Note: This program is not to be confused with MMC 315 (Set Relocation). MMC 721 is for saving and restoring the same device type at a port.

ACTION	DISPLAY
1. Open programming and select **721** Display shows	[201] SAVE KEY RESTORE
2. Enter desired station number (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key	[205] SAVE KEY RESTORE
3. Press VOLUME keys to select function (e.g., SAVE)	[205] SAVE KEY SAVE
4. Press RIGHT soft key to enter and return to step 2 OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **RESTORE**

Related Items: MMC 107 Key Extender
MMC 722 Station Key Programming
MMC 723 System Key Programming

MMC: 722 STATION KEY PROGRAMMING

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Customises programmable keys on individual keysets and add-on modules (AOMs). All systems are provided with default functions for some keys to provide basic operation. For example, keys 1 and 2 are set as CALL keys by default because it is recommended that these keys should always function as CALL keys. A keyset will not operate correctly unless it has at least one CALL key programmed (but see note, below).

Other keys can be programmed as described here. You can use the VOLUME keys to scroll through the selectable functions when programming keys (see table at the end of this MMC).

Functions can also be entered via the dial keypad. For example, to assign the OHVA function, key number 6 can be pressed three times. If the BOSS function is required, press 2 twice for the first letter B, and then use the VOLUME keys to change the selection from BARGE to BOSS.

Note: 408/408i systems do not support AOMs and default key functions are different from other systems. For example, keys 1 and 2 are not set as CALL keys by default as these are not required.

ACTION	DISPLAY
1. Open programming and select **722** Display shows	[201] KEY (MAST) 01:CALL1 →
OR For 408/408i systems, display shows (The programming procedure is, however, the same)	OR [21] KEY PROG 01:DT71 →
2. Enter station number (e.g., 205) OR Press VOLUME keys to make selection and press RIGHT soft key	[205] KEY (MAST) 01:CALL1 →
3. *If you have a 408/408i system, or if selected station has no AOM pair, go to step 4* Enter 0 for MAST, 1 for AOM1 or 2 for AOM2. OR Press VOLUME keys to make selection and press RIGHT soft key	[205] KEY (MAST) 01:CALL1 →
4. Enter key number (e.g., 18) OR Press VOLUME keys to make selection and press RIGHT soft key OR Press programmable key	[205] KEY (MAST) 18:NONE →_

5. Press dial key pad number to make selection
   OR
   Press VOLUME keys to make selection and press RIGHT soft key to advance cursor to step 6 to enter extender, if required, or to return to step 2

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

6. If required, enter extender (e.g., 03)
   OR
   Press VOLUME keys to make selection and press RIGHT soft key to return to step 2

```
[205]  KEY  (MAST)
18:NONE →GPIK03
```

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: For all systems (except 408/408i), programmable keys 1 and 2 are set as CALL keys. You are advised not to change these. Defaults for 408/408i systems are shown in the *Samsung DCS 408 & 408i Installation Manual.* Each programmable key can be reprogrammed with one of the functions listed below.

Programmable Key Function Assignments
(✗ means a function is not available on a system)

KEY	DESCRIPTION	DCS & CII	816	408	408i	*i*DCS 500 (L)	*i*DCS 500 (M)	*i*DCS 100
AAPLAY:	AUTO ATTND MESSAGE PL AY[1]	✓	✓	✗	✗	✓	✓	✓
AAREC:	AUTO ATTND MESSAGE RECORD[1]	✓	✓	✗	✗	✓	✓	✓
AB:	ABSENCE	✓	✓	✓	✓	✓	✓	✓
ABAND	ABANDON DATA	✓	✓	✗	✓	✓	✓	✓
ABW:	AGENT BUSY WRAP-UP (UCD)	✗	✗	✗	✗	✓	✓	✓
ACCT:	ACCOUNT	✓	✓	✓	✓	✓	✓	✓
ALARM:	ALARM RING ANSWER	✓	✓	✗	✓	✓	✓	✓
AN/RLS	ANSWER/RELEASE	✓	✓	✓	✓	✓	✓	✓
BARGE:	BARGE-IN	✓	✓	✓	✓	✓	✓	✓
BILL:	HOTEL BILLING[6]	✓	✗	✗	✗	✓	✓	✓
BLOCK:	OHVA BLOCK	✓	✓	✓	✓	✓	✓	✓
BOOTH:	HOTEL BOOTH[6]	✗	✗	✗	✗	✓	✓	✓
BOSS:	BOSS / SECRETARY	✓	✓	✓	✓	✓	✓	✓
CAD:	CALL ACTIVITY DISPLAY[4]	✗	✗	✗	✗	✓	✓	✓
CALL:	CALL KEY	✓	✓	✓	✓	✓	✓	✓
CAMP:	STATION CAMP ON	✓	✓	✓	✓	✓	✓	✓
CANMG:	MESSAGE CANCEL	✓	✓	✓	✓	✓	✓	✓
CBK:	CALLBACK	✓	✓	✓	✓	✓	✓	✓
CHIN:	HOTEL CHECK IN[6]	✓	✗	✗	✗	✓	✓	✓
CHOUT:	HOTEL CHECK OUT[6]	✓	✗	✗	✗	✓	✓	✓
CHOICE:	DISABLE KEYSET	✗	✗	✗	✗	✓	✓	✓
CLIP:	CLIP[1]	✓	✓	✗	✓	✓	✓	✓
CONF:	CONFERENCE	✓	✓	✓	✓	✓	✓	✓
CONP:	CONNECTED NAME DISPLAY[5]	✗	✗	✗	✗	✓	✓	✓
CR:	CALL RECORD[2]	✓	✗	✗	✗	✓	✓	✓
CREDIT:	HOTEL CREDIT[6]	✓	✗	✗	✗	✓	✓	✓
CS:	UCD CALL WAITING STATUS	✓	✓	✗	✗	✓	✓	✓
CSNR:	CLIP SAVE NUMBER REDIAL	✓	✓	✗	✓	✓	✓	✓

KEY	DESCRIPTION	DCS & CII	816	408	408i	iDCS 500 (L)	iDCS 500 (M)	iDCS 100
DGPALM:	WAKE-UP ALARM	✗	✗	✗	✗	✓	✓	✓
DICT:	DICTATION	✓	✓	✓	✓	✓	✓	✓
DIR:	DIRECTORY	✓	✓	✓	✓	✓	✓	✓
DLOCK:	DOOR LOCK	✓	✓	✓	✓	✓	✓	✓
DND:	DO NOT DISTURB	✓	✓	✓	✓	✓	✓	✓
DNDO:	DND OVERRIDE	✗	✗	✗	✗	✓	✓	✓
DP:	DIRECT PICK UP	✓	✓	✓	✓	✓	✓	✓
DROP:	TRANSFER CALL DROP	✓	✓	✓	✓	✓	✓	✓
DS:	DIRECT STATION SELECT	✓	✓	✓	✓	✓	✓	✓
EP:	ESTABLISHED CALL PICKUP[3]	✗	✗	✗	✗	✓	✗	✗
DT:	DIRECT TRUNK SELECT	✓	✓	✓	✓	✓	✓	✓
EXTMIC:	EXTERNAL MICROPHONE	✓	✓	✓	✓	✓	✓	✓
FAUTO:	FORCED AUTO ANSWER	✓	✓	✓	✓	✓	✓	✓
FLASH:	FLASH	✓	✓	✓	✓	✓	✓	✓
FWRD:	CALL FORWARD	✓	✓	✓	✓	✓	✓	✓
GPIK:	GROUP PICK UP	✓	✓	✓	✓	✓	✓	✓
HDSET:	HEADSET MODE ON/OFF	✓	✓	✓	✓	✓	✓	✓
HLDPK:	HOLD PICK UP	✓	✓	✓	✓	✓	✓	✓
HOLD:	HOLD	✗	✗	✗	✗	✓	✓	✓
HOTEL	HOTEL[6]	✓	✗	✗	✗	✓	✓	✓
IG:	IN/OUT OF GROUP	✓	✓	✓	✓	✓	✓	✓
INFDSP:	INFORMATION DISPLAY	✗	✗	✗	✗	✓	✓	✓
INQIRE:	CLIP INQUIRE	✓	✓	✗	✓	✓	✓	✓
ISPY:	CLIP SPY	✓	✓	✗	✓	✓	✓	✓
LANREQ:	LAN REQUEST[4]	✗	✗	✗	✗	✓	✓	✓
LCR:	LEAST COST ROUTING	✓	✓	✓	✓	✓	✓	✓
LISTN:	GROUP LISTENING	✓	✓	✓	✓	✓	✓	✓
LNR:	LAST NUMBER REDIAL	✓	✓	✓	✓	✓	✓	✓
LOG:	CALL LOGGING[4]	✗	✗	✗	✗	✓	✓	✓
MMPA:	MEET ME PAGE ANSWER	✓	✓	✓	✓	✓	✓	✓
MMPG:	MEET ME PAGE	✓	✓	✓	✓	✓	✓	✓
MS:	MANUAL SIGNALLING	✗	✗	✗	✗	✓	✗	✗
MSG:	MESSAGE	✓	✓	✓	✓	✓	✓	✓
MUTE:	MUTE	✓	✓	✓	✓	✓	✓	✓
MW:	MESSAGE WAIT[3]	✗	✗	✗	✗	✓	✗	✗
NEW:	NEW CALL	✓	✓	✓	✓	✓	✓	✓
NIGHT:	NIGHT SERVICE	✓	✓	✓	✓	✗	✗	✗
NND:	CLIP NAME/NUMBER/DATE	✓	✓	✗	✓	✓	✓	✓
NOCLIP:	NO OUTGOING CLIP	✗	✗	✗	✗	✓	✓	✓
NXT:	CLIP NEXT	✓	✓	✗	✓	✓	✓	✓
OHVA:	OFF-HOOK VOICE ANNOUNCE	✓	✓	✓	✓	✓	✓	✓
OPER:	OPERATOR	✓	✓	✓	✓	✓	✓	✓
PAGE:	PAGE	✓	✓	✓	✓	✓	✓	✓
PAGPK:	PICKUP PAGE HOLD	✓	✓	✓	✓	✓	✓	✓
PARK:	CALL PARK/RETRIEVE	✓	✓	✓	✓	✓	✓	✓
PAUSE:	PAUSE	✓	✓	✓	✓	✓	✓	✓
PMSG:	PROGRAMMED STATION MESSAGE	✓	✓	✓	✓	✓	✓	✓
PRB:	PRIVACY RELEASE BRIDGE[3]	✗	✗	✗	✗	✓	✗	✗
PROG:	PROGRAM[3]	✗	✗	✗	✗	✓	✗	✗
PTHR:	PATH REPLACEMENT[5]	✗	✗	✗	✗	✓	✗	✗
RB:	HOTEL REMOTE BILLING[6]	✓	✗	✗	✗	✓	✓	✓

KEY	DESCRIPTION	DCS & CII	816	408	408i	*i*DCS 500 (L)	*i*DCS 500 (M)	*i*DCS 100
REJECT:	OHVA REJECT	✓	✓	✓	✓	✓	✓	✓
RETRY:	AUTO REDIAL ON BUSY	✓	✓	✓	✓	✓	✓	✓
REVW:	REVIEW (CLIP)	✓	✓	✗	✓	✓	✓	✓
RP:	RING PLAN	✗	✗	✗	✗	✓	✓	✓
RSV:	HOTEL ROOM STATUS VIEW[6]	✓	✗	✗	✗	✓	✓	✓
RTO:	RING TIME OVERRIDE	✗	✗	✗	✗	✓	✓	✓
SETDND:	SET DO NOT DISTURB[3]	✗	✗	✗	✗	✓	✗	✗
SETMG:	SET MESSAGE W/O RING	✓	✓	✓	✓	✓	✓	✓
SG:	STATION GROUP	✓	✓	✓	✓	✓	✓	✓
SLOCAT:	HOTEL STAFF LOCATOR[6]	✗	✗	✗	✗	✓	✓	✓
SNR:	SAVED NUMBER REDIAL	✓	✓	✓	✓	✓	✓	✓
SP:	SUPERVISOR OF UCD	✓	✓	✗	✗	✓	✓	✓
SPD:	SPEED DIAL	✓	✓	✓	✓	✓	✓	✓
SPKR:	SPEAKER	✓	✓	✓	✓	✓	✓	✓
STORE:	STORE (CLIP)	✓	✓	✗	✓	✓	✓	✓
SYSALM:	SYSTEM ALARMS[4]	✗	✗	✗	✗	✓	✓	✓
TG:	TRUNK GROUP	✓	✓	✓	✓	✓	✓	✓
TIMER:	TIMER	✓	✓	✓	✓	✓	✓	✓
TRARPT:	TRAFFIC REPORT[4]	✗	✗	✗	✗	✓	✓	✓
TRSF:	TRANSFER	✓	✓	✓	✓	✓	✓	✓
UA:	UNIVERSAL ANSWER	✓	✓	✓	✓	✓	✓	✓
VDIAL:	VOICE DIALLER ACCESS	✓	✓	✓	✓	✓	✓	✓
VG:	VOICE MAIL GROUP	✓	✗	✗	✗	✓	✓	✓
VM:	VOICE MAIL MEMO[2]	✓	✗	✗	✗	✓	✓	✓
VMADM:	VOICE MAIL ADMINISTRATION[2]	✓	✗	✗	✗	✓	✓	✓
VMAME:	VOICE MAIL ANSWERING MACHINE EMULATION[2]	✓	✗	✗	✗	✓	✓	✓
VMMSG:	VOICE MAIL MESSAGE[2]	✓	✗	✗	✗	✓	✓	✓
VMSCMT:	VMS COMMENT (SVM-800)	CII only	✗	✗	✗	✓	✓	✓
VMSMSG:	VMS MESSAGE (SVM-800)	CII only	✗	✗	✗	✓	✓	✓
VMSOUT:	VMS OUT CALL (SVM-800)	CII only	✗	✗	✗	✓	✓	✓
VMSREC:	VMS RECORD (SVM-800)	CII only	✗	✗	✗	✓	✓	✓
VMSVAC:	VMS VACANT (SVM-800)	CII only	✗	✗	✗	✓	✓	✓
VREC:	RECORD KEY FOR VOICE DIALLER	✓	✗	✗	✗	✓	✓	✓
VT:	VOICE MAIL TRANSFER	✓	✓	✓	✓	✓	✓	✓
WAKEUP:	HOTEL WAKE UP[2]	✓	✗	✗	✗	✓	✓	✓
XCHIN:	HOTEL EXPRESS CHECK IN[2]	✓	✗	✗	✗	✓	✓	✓

Notes

1 Requires additional hardware
2 Requires a Cadence/SVMi-4/SVMi-8 card
3 *i*DCS500 'L' version systems only
4 Accessible only with LAN interface
5 Network related feature
6 Hotel Application feature

Related Items:

MMC 107 Key Extender
MMC 720 Copy Key Programming
MMC 721 Save Station Key Programming
MMC 723 System Key Programming

MMC: 723 SYSTEM KEY PROGRAMMING

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Refer to the description in MMC 722, Station Key Programming, but note that MMC 723 allows you to program keys for **all** stations rather than individual stations.

Programming in MMC 723 is also done on the basis of keyset type (12-button, 24-button, etc) as shown in the following table.

KEYSET TYPE

Dial	DCS/CII/816	408/408i	*i*DCS
0	24-BTN	24-BTN	24-BTN
1	12-BTN	24-BTN EURO	12-BTN
2	6-BTN	12-BTN	–
3	–	6-BTN	6-BTN
4	48-BTN AOMS	28-BTN	–
5	–	18-BTN	48/64-BTN AOMS
6	28-BTN	8-BTN	20-BTN
7	18-BTN	24B SIMPLE	28-BTN
8	8-BTN	–	18-BTN
9	–	–	8-BTN

ACTION	DISPLAY
1. Open programming and select **723** Display shows	TYPE:24 BTN SETS 01:CALL1 →
OR For 408/408i systems, display shows (The programming procedure is, however, the same)	OR TYPE:24 BTN SETS 01:DT71 →
2. Enter keyset type using table above (e.g.,1) OR Press VOLUME keys to make selection and press RIGHT soft key	TYPE:12 BTN SETS 01:CALL1 →
3. Enter key number (e.g., 12) OR Press VOLUME keys to make selection and press RIGHT soft key	TYPE:12 BTN SETS 12:DS →
4. Press dial keypad to select function OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor to step 5 to enter extender, if required OR Press LEFT soft key to return to step 3	TYPE:12 BTN SETS 12:DS →GPIK

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

TYPE:12 BTN SETS
12:DS →GPIK03

6. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **See notes and table of programmable key functions in MMC 722.**

Related Items:
MMC 107 Key Extender
MMC 720 Copy Key Programming
MMC 721 Save Station Key Programming
MMC 722 Station Key Programming

MMC: 724 DIAL NUMBERING PLAN

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: The system comes with a range of acceptable numbering plans and feature codes set as defaults. This MMC allows you to customise these dialling plans and feature codes. An error message is also provided in case an access/feature code is duplicated.

Note: An *i*DCS500 system can be pre-programmed with a default 3- or 4-digit numbering plan for stations, station groups and trunk numbers depending on the position of the DIP switches on the MCP card.

The following options can be selected. (N/A=not applicable.)

Option	Description	Dial			
		DCS/CII	816	408/408i	*i*DCS
STN DIAL NO.	Determines the station port dialling numbers	0	0	0	00
TRK DIAL NO.	Determines the trunk port dialling numbers	1	1	1	01
AA/VD DIAL NO. (or AA DIAL NO.)	Determines the auto attendant / voice dialler port dialling numbers	2	2	N/A	02
MISC DIAL NO.	Determines the miscellaneous port dialling numbers (e.g. MOH)	3	3	2	03
STNG DIAL NO.	Determines the station group dialling numbers	4	4	3	04
TRKG DIAL NO.	Determines the trunk group dialling numbers	5	5	4	05
FEAT DIAL NO.	Determines the feature codes	6	6	5	06
S0 STN DIAL NO.	Determines the S0 station dialling number	7	7	6*	07
DECT STN DIAL NO.	Determines the DECT station dialling numbers	8	N/A	N/A	08
NTWK LCR DIAL NO	Additional LCR access codes if two or more *i*DCS systems are networked together	N/A	N/A	N/A	09
VIRT EXT DIAL NO	Assigns or changes virtual station directory numbers	N/A	N/A	N/A	1

* 408i systems only

If changing feature codes using the FEAT DIAL NO option, you can use the VOLUME keys to scroll through selectable features. Features can also be entered via the dial keypad. For example, for OHVA, the number 6 would be pressed three times. If Block Code is required, press 2 twice for BARGE and then use the VOLUME UP key to select BLOCK. **The example shown below describes the use of the FEAT DIAL NO option.**

ACTION	DISPLAY
1. Open programming and select **724** Display shows (e.g. for Compact II)	STN DIAL NUMBER BASE01:201 →
2. Enter option number 0-8 (e.g. FEAT DIAL NO.) OR Press VOLUME keys to make selection and press RIGHT soft key.	FEAT DIAL NUMBER ABAND: 64→
3. Use dial keypad to select feature (e.g. DICT) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	FEAT DIAL NUMBER DICT :NONE→_
4. Enter digits (e.g., 68)	FEAT DIAL NUMBER DICT :NONE→68
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 (change) OR 0 for NO (no change)	SAME DIAL EXIST CHANGE? Y:1,N:0
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: Feature codes (some may not be available on your system)

ABAND	**64**	**DLOCK**	**13**	**OPER**	**0 (9)**	**VMSCMT**	**None**
ABS	**None**	**DND**	**40**	**PAGE**	**55**	**VMSMSG**	**None**
ABW	**None**	**DNDO(VER)**	**None**	**PAGPK**	**10**	**VMSOUT**	**None**
ACCT	**47**	**FAUTO**	**14**	**PARK**	**None**	**VMSREC**	**None**
ALMCLR	**57**	**FLASH**	**49**	**PAUSE**	**None**	**VMSVAC**	**None**
AUTH	**✱**	**FWD**	**60**	**PMSG**	**48**	**VREC**	**682**
BARGE	**None**	**GRPK**	**66**	**PTHR**	**None**	**WAKEUP**	**18**
BILL	**None**	**HDSET**	**None**	**RB**	**None**	**WCOS**	**59**
BLOCK	**None**	**HLDPK**	**12**	**REJECT**	**None**		
BOSS	**None**	**HOLD**	**11**	**RSV**	**None**		
CAMP	**45**	**HOTEL**	**None**	**RTO**	**None**		
CANMG	**42**	**IG**	**53**	**SELFID**	**None**		
CBK	**44**	**INFDSP**	**None**	**SETMG**	**41**		
CHIN	**None**	**LCR**	**#**	**SLOCAT**	**None**		
CHOUT	**None**	**LISTN**	**None**	**SLTALM**	**None**		
CHOICE	**None**	**LNR**	**19**	**SLTMMC**	**15**		
CONF	**46**	**LOG**	**None**	**SNR**	**17**		
CONP	**None**	**MMPA**	**56**	**SPEED**	**16**		
CR	**None**	**MMPG**	**54**	**SRELOC**	**None**		
CREDIT	**None**	**MSG**	**43**	**UA**	**67**		
DGPALM	**None**	**MYGRPK**	**None**	**VDIAL**	**681**		
DICT	**None**	**NEW**	**None**	**VMADM**	**None**		
DIR	**None**	**NIGHT**	**None**	**VMAME**	**None**		
DIRPK	**65**	**NOCLIP**	**None**	**VMMEMO**	**None**		
DISALM	**58**	**OHVA**	**None**	**VMMSG**	**None**		

Related Items: **All programs and features**

MMC: 725 SMDR OPTIONS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects the information to be printed on SMDR reports. Some or all of the following options may be selected, depending on your system. All have YES/NO options (YES=print) except where a new value or directory name is required.

Two options, HOTEL PAGE FEED and HOTEL START LINE, relate to the optional Hotel application and are provided for setting up the required printer output for invoices (port set to service type HM REPT in MMC 804).

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.
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.
INCOMING CALL	Determines whether incoming calls print on SMDR.
OUTGOING CALL	Determines whether outgoing calls print on SMDR.
AUTHORISE CODE	Determines whether authorisation codes print on SMDR.
SMDR START TIME	Determines whether valid calls will include the minimum call time in total call duration (set in MMC 501).
IN/OUT GROUP	Allows a message, IN GROUP or OUT GROUP, to be printed in the Digits Dialled column each time a station enters or leaves a group.
DND CALL	Allows a message, DND ON or DND OFF, to be printed in the Digits Dialled column each time a station enters or leaves DND.
WAKE-UP CALL	Determines whether stations receiving an alarm reminder call print on SMDR.
DIRECTORY NAME	Allows the system administrator to enter a 16-character name which will appear on the SMDR header.
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. (Not available on 408 systems.)
ABANDON CALL	If this option is set to YES, unanswered calls will print on SMDR. (Not available on 408 systems.)
NO. OF DIAL MASK	Number of dialled digits not to be printed (00–18)
INCOMING ANSWER	If set to YES, the duration of calls ringing before being answered prints on SMDR.
INTERCOM CALL	Determines whether internal calls print on SMDR.
KEY MMC IN/OUT	If set to YES, the SMDR will show programming being opened and closed (*i*DCS 500 'L' systems only).
HOTEL PAGE FEED	Determines where a page feed is inserted in Hotel invoice print. (Start, End or Both)
HOTEL START LINE	Determines number of blank lines to print on Hotel invoice print.

DID NUM/NAME	Determines whether DDI number and name print on SMDR. (Not available on 408 or *i*DCS systems.)

The DIRECTORY NAME that appears on the SMDR header is written using the keypad. Pressing a key selects a character and 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 keypad to complete the name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, and enter the new character.

The # key can be used for the following special characters (in sequence of key presses):

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

Example 1: Switching options on (yes=print) or off (no=do not print)

ACTION	DISPLAY
1. Open programming and select **725** Display shows	PAGE HEADER PRINT : YES
2. Dial the option number (e.g. 00) OR Use the VOLUME keys to scroll through options and press RIGHT soft key	PAGE HEADER PRINT : YES
3. Use the VOLUME keys to select YES or NO and press the RIGHT soft key to save the data and return to step 2	PAGE HEADER PRINT : NO
4. After all desired options have been selected and set, press Transfer/TRSF to exit OR Press SPEAKER to exit and advance to next MMC	

Example 2: Changing no. of lines per page

ACTION	DISPLAY
1. Open programming and select **725** Display shows	PAGE HEADER PRINT : YES
2. Dial the option number 01 OR Use the VOLUME keys to select and press RIGHT soft key	LINE PER PAGE 66 LINE / PAGE
3. Enter the number of lines per page in the range 01–99 (e.g., 50) OR Use the VOLUME keys to change the number of lines and press the RIGHT soft key to save the data and return to step 2	LINE PER PAGE 50 LINE / PAGE
4. After all desired options have been selected and set, press Transfer/TRSF to exit OR Press SPEAKER to exit and advance to next MMC	

Default Data:

Page Header:	**Yes**	**Caller ID Data:**	**Yes**
Line Per Page:	**66**	**Abandon Call:**	**Yes**
Outgoing Call:	**Yes**	**No. of Dial Mask:**	**00**
Incoming Call:	**Yes**	**Incoming Answer**	**Yes**
Authorise Code:	**Yes**	**Intercom Call**	**Yes**
SMDR Start Time:	**Yes**	**Key MMC In/Out**	**No**
In/Out Group:	**Yes**	**Hotel Page Feed**	**End**
DND Call:	**Yes**	**Hotel Start Line**	**0 Line**
Wake-Up Call:	**Yes**	**DID Num/Name:**	**Yes**
Directory Name:	**None**		

Related Items: **MMC 300 Customer On/Off Per Station**

MMC: 726 VM/AA OPTIONS

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets 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 which 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 which 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	*DID CALL*	A DDI call has called the VM/AA port.
8	*MESSAGE CALL*	A message key 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

0. DIAL TONE
1. BUSY TONE
2. RINGBACK TONE
3. DND NO MORE
4. HDSET ANSWER
5. SPKER ANSWER

Note: For DCS and CII, the call progress tones will automatically be set to the default values if the SMDI VMS SET option in MMC 210 is set ON.

FEATURE KEYS

"A"	Insert DTMF digit "A"
"B"	Insert DTMF digit "B"
"C"	Insert DTMF digit "C"

(Refer to section 1.5.2 in Part 1 for key descriptions.)

ACTION	DISPLAY
1. Open programming and select **726** Display shows	EXT FOR DN1 YES
2. Enter the option number from above list (e.g., 4 — for other options, see steps 4 to 11) OR Press VOLUME keys to make selection Press LEFT soft key to move cursor	SEPARATOR NO
3. Enter 1 for YES or 0 for NO OR Press VOLUME keys for selection Press RIGHT soft key to return to step 2	SEPARATOR YES
4. If option 0 is selected at step 2	EXT FOR DN1 YES
5. If option 1 is selected at step 2	TRK FOR DN1 YES
6. If option 2 is selected at step 2	EXT FOR DN2 NO
7. If option 3 is selected at step 2	TRK FOR DN2 NO
8. If option 4 is selected at step 2 (A valid entry consists of digits 0–9 or alpha characters A–C)	SEPARATOR NO

9. If option 5 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C)

DISCONECT SIGNAL
C

10. If option 6 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C)
See above list under 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 table of Tones under PROGRESS TONE ID

PROGRESS TONE ID
DIAL TONE :NO

12. Press Transfer/TRSF to store and exit
OR
Press SPEAKER to store and advance to next MMC

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 CALL	***9***

PROGRESS TONE ID = No (for all)

Related Items: **MMC 207 Assign VM/AA Port**

MMC: 727 SYSTEM VERSION DISPLAY

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: (**This is a read-only MMC**.)

Used for system card version and date display only. Press VOLUME keys to scroll display for version of each card installed.

Version display takes the format:

"YY.MM.DD Version #"
or "YYYY.MM.DD Version #"

Where YY (or YYYY) = Year, MM = Month, DD = Day, Version # = version number (e.g. V6.25, L1.22, etc)

ACTION	DISPLAY
1. Open programming and select **727** Display shows date and version	ROM VERSION ′01. 02. 16. V6.25 OR MCP VERSION 2001.10.01 L1.22
2. Press VOLUME keys to select other installed cards (e.g. Misc card)	MISC. VER:MISC '96. 10. 02 V3.0
3. Press Transfer/TRSF to exit OR Press SPEAKER to advance to next MMC	

Note: If a particular card is not installed, the LCD shows either 'NO {card type} CARD' or 'NO INSTALL CARD.' If there is no version data, you see 'NO VERSION DATA'.

Default Data: **Installed card version and date**

Related Items: **None**

MMC: 728 CLIP TRANSLATION TABLE

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Associates 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.

DCS	Translation table consists of 250 entries, each comprising a telephone number up to 11-digits and a name up to 16-digits
CII and 816	Translation table consists of 200 entries, each comprising a telephone number up to 16-digits and a name up to 16-digits
408i	Translation table consists of 100 entries, each comprising a telephone number up to 14-digits and a name up to 16-digits
***i*DCS500**	Translation table consists of 1500 entries ('L' systems) or 400 entries ('M' systems), each comprising a telephone number up to 14 digits and a name up to 16-digits
***i*DCS100**	Translation table consists of 350 entries, each comprising a telephone number up to 14 digits and a name up to 16-digits

Names are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the 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 keypad to complete your name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions.)

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **728** Display shows	CLIP XLAT (001) DGT: OR CLIP XLAT (0001) DGT:
2. Dial entry number (3 or 4 digits depending on system type) e.g., 005 OR Press VOLUME keys to select and press RIGHT soft key	CLIP XLAT (005) DGT:_
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	CLIP XLAT (005) DGT:3054264100
4. Enter associated name as described above and press RIGHT or LEFT soft key to return to step 2 OR Press SPEAKER to save and advance to next MMC OR Press Transfer/TRSF to save and exit programming	CLIP XLAT (005) SAMSUNG TELECOMS

Default Data: **None**

Related Items: **None**

MMC: 730 AA GAIN

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Controls AA record gain. On *i*DCS systems there is also an option to control play gain. Note that AA card port numbers differ between systems (see Part 2, section 2.3, System Configuration: Quick Reference).

■ For all systems except *i*DCS

ACTION	DISPLAY
1. Open programming and select **730** Display shows (e.g. for Compact II / 816)	[381] AAREC.GAIN REC.GAIN:+0.0
2. Dial AA number (first port in card, e.g 385) OR Press VOLUME keys to select and press RIGHT soft key	[385] AAREC.GAIN REC.GAIN:+0.0
3. Press VOLUME keys to select record gain and press RIGHT soft key	[385] AAREC.GAIN REC.GAIN:+1.0
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC.	

■ For *i*DCS systems

1. Open programming and select **730** Display shows	[3951] AA GAIN REC:+0.0 PL:+0.0
2. Dial AA number (first port in card, e.g 3959) OR Press VOLUME keys to select and press RIGHT soft key	[3959] AA GAIN REC:+0.0 PL:+0.0
3. Press VOLUME keys to select record gain (dB), e.g. 1.9, and press RIGHT soft key	[3959] AA GAIN REC:+1.9 PL:+0.0
4. Press VOLUME keys to select play gain (dB), e.g. 1.9, and press RIGHT soft key	[3959] AA GAIN REC:+1.9 PL:+1.9
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC.	

Default Data: **+0.0 dB**

Related Items: **None**

MMC: 731 AA RAM CLEAR

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Clears AA RAM on a per-AA card basis. The system only accepts the first port as a port field and the LCD shows its selection. This will erase all messages previously programmed on the selected card.

Note that AA card port numbers differ between systems (see Part 2, section 2.3, System Configuration: Quick Reference).

ACTION	DISPLAY
1. Open programming and select **731** Display shows (e.g. for Compact II / 816)	[381] RAM CLEAR CLR RECORDED?NO
2. Dial AA number (e.g. 381) OR Press VOLUME keys to make selection and press RIGHT soft key	[381] RAM CLEAR CLR RECORDED?NO
3. Dial 0 (No) or 1 (Yes) OR Press VOLUME keys to make selection and press RIGHT soft key	[381] RAM CLEAR CLR RECORDED?YES
4. Dial 0 (No) or 1 (Yes) to confirm selection OR Press VOLUME keys to make selection and press RIGHT soft key	[381] RAM CLEAR ARE YOU SURE?YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 732 AA TRANSLATION TABLE

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: AA translation tables are responsible for routing calls based on digits dialled. There are 12 Translation tables. Each table can be assigned to one or more AA plans in MMC 733, AA Plan Table.

Number of Table Entries

***i*DCS systems** Translation tables 01–12 have up to100 entries each.

Other systems Translation Tables 01 and 02 have up to 100 entries each (or 50 each on 816 systems). Tables 03–12 have up to 25 entries.

Each entry comprises two fields: the digits dialled and the destination. Destinations can be a station number, station group, Change Greeting Message Code, or an AA plan table.

In the digits dialled field, "✱" can be used to represent any digit.

FEATURE KEYS

The keys "A–D" can be pressed in the destination field. (Refer to section 1.5.2 in Part 1 for key descriptions.)

- If you press the "A" key, you can enter an AA plan table 01–12. (The display shows "P".)
- If you press the "B" key, the destination will be the same as the digits dialled by the caller.
- If you press the "C" key, you can enter CHANGE GREETING MESSAGE CODE.
- If you press the "D" key, this takes the call to voice mail

For *i*DCS Systems and DCS/Compact II Systems Operating Version 7.x Software:

Entries in the translation table will also provide the following features which are useful if a mailbox owner does not have a telephone in the system, but does have a voice mailbox.

- A caller dialling **# + nnn** can leave a message in the mailbox specified by nnn.
- A caller dialling **✱ + nnn** will log into the mailbox specified by nnn.

Changing Ring Plans and Greeting Message

- When the system changes ring plans (or day/night mode), the AA greetings will also change as programmed in MMC 733.
- If the AA change greeting message code is entered, a caller can select the alternative greeting message or change the ring plan (or day/night mode):

- ***i*DCS:** To implement ring plan changes and/or the alternative greeting, the caller must enter the number (passcode) that implements the special program. The passcode must be followed by two digits: the first digit (1-6) selects the desired ring plan to select (or can be 0 for no change); the second digit can be 1 for the alternative greeting or 0 for no alternative.
- **DCS/CII:** To change day/night mode and/or the alternative greeting, the caller must enter the number (passcode) that implements the special program. The passcode must be followed by digit 1–3: 1 selects day, 2 selects night and 3 selects the alternative greeting.

- If an **RP** (Ring Plan) key is programmed in an *i*DCS system, it will flash to show that the ring plan has the alternative message set. (The normal status of this light in a ring plan is on steady.) If an **RTO** (Ring Time Override) key is available this will also flash
- If the greeting message is not changed but the ring plan is changed, the system will remain in the selected ring plan until the next scheduled ring plan change. If the greeting message is changed the system will remain in the existing ring plan or the selected ring plan until the alternative greeting is manually changed back

Example (*i*DCS): Caller dials into the system and is answered by the AA card. Caller enters the passcode then dials 3, to select ring plan 3, followed by 1 to turn on the alternative greeting. The system now rings according to ring plan 3. Ring plan 3 is directed to the AA card and the caller is now answered by the alternate greeting.

ACTION	DISPLAY
1. Open programming and select **732** Display shows	AA TRANS TB (01) 001:0 → 500
2. Dial TABLE number (01–12, e.g. 02) OR Press VOLUME keys to select and press RIGHT soft key	AA TRANS TB (02) 001: →NONE
3. Dial entry number (see Number of Table Entries, above), e.g. 002 OR Press VOLUME keys to select and press RIGHT soft key	AA TRANS TB (02) 002: →NONE
4. Enter Dial DIGIT (e.g. 2**) Press RIGHT soft key	AA TRANS TB (02) 002:2**_ →
5. Dial Destination (e.g. B) OR Press VOLUME keys to select and press RIGHT soft key	AA TRANS TB (02) 002:2** → B
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Table 01 set for transfers to station, group and plan nos. Other tables are empty**

Related Items: **MMC 733 AA Plan Table**

MMC: 733 AA PLAN TABLE

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Calls up customer-recorded and pre-recorded messages into plans compiled in MMC 732, AA Translation Table. Pre-recorded messages listed below can be applied and destinations can be programmed as required. Specific ports are programmed in MMC 735, AA Use Table.

There are a total of 64 messages on an AA card:
- 48 (01-48) messages are to be recorded by the user
- 16 (49-64) messages are pre-recorded in ROM on the card

Options are as follows:

Option	Description	Dial		Value
		*i*DCS Systems	Other Systems	
PLAN MSG1–6	Introduction message during ring plans 1–6	00–05	–	01-64
DAY MSG	Introduction message during Day Mode	–	00	01-64
NIGHT MSG	Introduction message during Night Mode	–	01	01-64
ALTER MSG	Emergency message	06	02	01-64
INVLID MSG	Message when an invalid digit is dialled	07	03	01-64
NO ANS MSG	Message when there is no reply from the destination	08	04	01-64
XFER MSG	Transfer notifying message	09	05	01-64
BUSY MSG	Message on busy reply	10	06	01-64
NO STN MSG	Message on retrial	11	07	01-64
NO ACT MSG	Message on no action	12	08	01-64
CAMP ON	Allow camp-on to busy extension	13	09	On/Off
ANS DELAY	Answer Delay	14	10	01-10[1]
RETRY CNT	No of times the AA will try to connect before routing to final destination.	15	11	0-5[1]
TRANS TABLE	Assigning associated Trans Table	16	12	01-12[2]
BUSY DEST	Alternative destination on busy	17	13	Dest.[3]
NO ANS DEST	Alternative destination on no answer	18	14	Dest.[3]
NO ACT DEST	Default destination on no action	19	15	Dest.[3]
INVLID DEST	Default destination on invalid action	20	16	Dest.[3]

Note:
[1] ANS DELAY and RETRY CNT for *i*DCS systems both have values of 00–99
[2] There is a total of 12 tables (01-12) in the system, but not all tables have to be used.
[3] Destination =Station, Station Group, or AA Plan No.

ACTION	DISPLAY
1. Open programming and select **733** Display shows	AA PLAN PROG(01) DAY MSG :49 OR AA PLAN PROG(01) PLAN MSG1 :49
2. Dial AA PLAN TABLE number 01 – 12 (e.g. 02) OR Press VOLUME keys to select and press RIGHT soft key	AA PLAN PROG(02) DAY MSG :49
3. Dial option number from above table (e.g. 01) OR Press VOLUME keys to select and press RIGHT soft key	AA PLAN PROG(02) NIGHT MSG :49
4. Dial value (e.g. 01) OR Press VOLUME keys to select and press RIGHT soft key	AA PLAN PROG(02) NIGHT MSG :01
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

PLAN MSG1–6	**: 49**
DAY MSG	**: 49**
NIGHT MSG	**: 49**
ALTER MSG	**: 49**
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 (03)**
TRANS TABLE	**: 01**
BUSY DEST	**: 500**
NO ANSWER DEST	**: 500**
NO ACT DEST	**: 500**
INVALID DEST	**: 500**

Related Items:

MMC 406 Trunk Ring Assignment
MMC 507 Assign Ring Plan Time (*i*DCS systems)
MMC 507 Assign Auto Night Time (Other systems)
MMC 732 AA Translation Table
MMC 734 AA Message Match

MMC: 734 AA MESSAGE MATCH

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows up to five recorded messages to be grouped together into a single transmission with its own identification number.

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

ACTION	DISPLAY
1. Open programming and select **734** Display shows	AA MSG MATCH(01) 01
2. Dial the desired MSG identification number 01-64 (e.g. 05) OR Press VOLUME keys to select and press RIGHT soft key	AA MSG MATCH(01) 05+
3. Dial MSG numbers (01 - 64) recorded in AA card (up to 5) OR Press VOLUME keys to select and press RIGHT soft key (MMC will automatically insert '+' as a delimiter)	AA MSG MATCH(01) 05+07+13+16+64
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **MSG index number**

Related Items: MMC 607 UCD Options
MMC 733 AA Plan Table
MMC 736 Assign AA MOH

MMC: 735 AA USE TABLE

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

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

AA Plan Numbers are in the range 01 to 12.

Note that AA card port numbers differ between systems (see Part 2, section 2.3, System Configuration: Quick Reference).

ACTION	DISPLAY
1. Open programming and select **735** Display shows (e.g. for Compact II)	[381]AA PLAN PLAN NO : 01
2. Dial AA number or AA group pilot number (e.g. 382) OR Press VOLUME to select and press RIGHT soft key	[382]AA PLAN PLAN NO : 01
3. Dial AA PLAN number (e.g. 02) OR Press VOLUME keys to select and press RIGHT soft key	[382]AA PLAN PLAN NO : 02
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC.	

Default Data: **All ports and groups=Plan 01**

Related Items: **MMC 601 Assign Station Group**
MMC 733 AA Plan Table

MMC: 736 ASSIGN AA MOH

DCS	✓	CI	✗	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows an AA MSG to be used as a Music-On-Hold (MOH) source.

Note that AA card port numbers differ between systems (see Part 2, section 2.3, System Configuration: Quick Reference).

ACTION	DISPLAY
1. Open programming and select **736** Display shows (e.g. for DCS)	[3958]SET AAMOH MOH MSG: NOT USE
2. Press RIGHT soft key to select MOH message	[3958]SET AAMOH MOH MSG: NOT USE
3. Dial AA message number for MOH 01 – 64 (e.g. 20)	[3958]SET AAMOH MOH MSG: 20
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NOT USE**

Related Items:
MMC 309 Assign Station Music On Hold
MMC 408 Assign Trunk MOH Source
MMC 607 UCD Options

MMC: 737 DECT SYSTEM CODE

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Identifies your DECT system and the handsets you register with your system.

The DECT System Code for your system is made up of two fields: the *System ID* which is three hexadecimal digits in the range 001 to 999; and the *Auth Code* (short for Authentication Code) which is four hexadecimal digits in the range 0000 to 9999. The default values are 000 and FFFF respectively.

Important:
You must use this MMC to change the default values for the values you have been provided with by your supplier. If you do not change the defaults you will not be able to register handsets.

Once you have entered your new System ID and Auth Code using this MMC you can then begin registering your handsets with the Auth Code. The system checks the Auth Code entered for each handset against the DECT Auth Code. If it is the same, the registration procedure continues; otherwise, the DCS rejects the registration procedure.

Caution: Only the system administrator and/or installer should be allowed access to change the DECT System Code and register handsets.

ACTION	DISPLAY
1. Open programming and select **737** Display shows	DECT SYSTEM CODE AUTH CODE : FFFF
2. Press RIGHT soft key to move cursor and enter AUTH CODE (e.g. 1234)	DECT SYSTEM CODE AUTH CODE : 1234
3. Press RIGHT soft key and press VOLUME keys to select SYSTEM ID	DECT SYSTEM CODE SYSTEM ID : 000
4. Press RIGHT soft key to move cursor and enter SYSTEM ID (e.g. 567)	DECT SYSTEM CODE SYSTEM ID : 567
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Auth Code FFFF**
System ID 000

(These values must be changed by the installer)

Related Items:
MMC 738 DECT Clear Registration
MMC 739 BSI Download
MMC 741 BSI Card Restart
MMC 742 BSI Status
MMC 743 DBS Status
MMC 744 DECT Registration On/Off
MMC 745 BSI Carrier

MMC: 738 DECT CLEAR REGISTRATION

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Deletes previously registered information for DECT handsets. This MMC has two modes:

- **FORCED**: When this mode is programmed, the system clears the registered information by force.
- **NORMAL**: Whenever the system wants to clear the registration of a DECT handset, the deletion must be confirmed from the handset. If the confirmation is successful, the system clears the registered information. (If the confirmation fails, the system cannot clear the information.)

ACTION	DISPLAY
1. Open programming and select **738** Display shows	[7901]DECT CLEAR MODE: FORCED
2. Enter the number of the DECT handset to clear and press the RIGHT soft key to move the cursor	[7901]DECT CLEAR MODE: FORCED
3. Select the de-registration (clear) mode using VOLUME keys (e.g. Normal) and press the RIGHT soft key to move the cursor	[7901]DECT CLEAR MODE: NORMAL
4. Enter 1 for YES (or 0 for NO) for DECT CLEAR OR Press VOLUME keys to select	[7901]DECT CLEAR DECT CLEAR:YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Forced mode**

Related Items:

MMC 737 DECT System Code
MMC 739 BSI Download
MMC 741 BSI Card Restart
MMC 742 BSI Status
MMC 743 DBS Status
MMC 744 DECT Registration On/Off
MMC 745 BSI Carrier

MMC: 739 BSI DOWNLOAD

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✗	*i*DCS100	✗

Purpose: Downloads a new version of the DECT base station (DBS) software when you upgrade to a new version of BSI ROM.

(NB: This operation is performed automatically when new ROM is installed, so normally you should not need to run this MMC.)

ACTION	DISPLAY
1. Open programming and select **739** Display shows	BSI SLOT:2 DBS:1 DOWNLOAD? :NO
2. Select the slot number using VOLUME keys, e.g. 3	BSI SLOT:3 DBS:1 DOWNLOAD? :NO
3. Select the DBS number using VOLUME keys, e.g. 1	BSI SLOT:3 DBS:1 DOWNLOAD? :NO
4. Press VOLUME keys to select download and confirm download	BSI SLOT:3 DBS:1 DOWNLOAD? :YES
	BSI SLOT:3 DBS:1 ARE YOU SURE?YES
When downloading is in progress, the display shows	BSI SLOT:3 DBS:1 DOWNLOADING
However, if a downloading failure occurs, the display shows	BSI SLOT:3 DBS:1 DOWNLOAD FAIL
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items:

MMC 737 DECT System Code
MMC 738 DECT Clear Registration
MMC 741 BSI Card Restart
MMC 742 BSI Status
MMC 743 DBS Status
MMC 744 DECT Registration On/Off

MMC: 740 STATION PAIR

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows a station (such as a DECT handset) to be assigned as a 'secondary' to a 'primary' keyphone station 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.

ACTION	DISPLAY
1. Open programming and select **740** Display shows	[201] PRIMARY SECONDARY:NONE
2. Enter the primary station number (e.g. 201) OR Press VOLUME keys to select and press RIGHT soft key	[201] PRIMARY SECONDARY:NONE
3. Enter the secondary station number (e.g. 205) OR Press VOLUME keys to select and press RGHT soft key	[201] PRIMARY SECONDARY:205
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NONE**

Related Items: **None**

MMC: 741 BSI CARD RESTART

DCS	✓	CI	✓	CII	✓	816	✗	408i	✗	408	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Restarts a BSI card or DECT base station (DBS). The DBS/BSI card will be restarted automatically.

ACTION	DISPLAY
1. Open programming and select **741** Display shows	BSI SLOT : 1 DBS : 1 RESTART ? NO
2. Select the specific BSI slot number or press the RIGHT soft key and select the specific DBS (using the keypad or the VOLUME keys) (If you want to restart **all** DBSs, you must select "A" instead of a DBS number by pressing the ANS/RLS key) Press the RIGHT soft key	BSI SLOT : 2 DBS : 1 RESTART ? NO
3. Press VOLUME keys to select YES or NO and press RIGHT soft key	BSI SLOT : 2 DBS : 1 RESTART ? YES
4. Confirm whether you want to restart by selecting YES or NO using the VOLUME keys, and press RIGHT soft key	BSI SLOT : 2 DBS : 1 ARE YOU SURE ? YES
5. Press Transfer/TRSF to exit OR Press SPEAKER to advance to next MMC	

Default Data: **None**

Related Items:

MMC 737 DECT System Code
MMC 738 DECT Clear Registration
MMC 739 BSI Download
MMC 742 BSI Status
MMC 743 DBS Status
MMC 744 DECT Registration On/Off
MMC 745 BSI Carrier

MMC: 742 BSI STATUS

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Shows the status of the BSI card(s).

ACTION	DISPLAY
1. Open programming and select **742**	
Display shows: ***For Compact II or iDCS100*** **-** "SUCC" (successful) if status of BSI card is good, or "FAIL"	BSI STATUS SUCC
OR	OR
For DCS **-** "M" = Master, "S" = Slave (not used) "SUCC" (successful) if status of BSI card is good, or "FAIL"	BSI STATUS M:SUCC S:NONE
OR	OR
For iDCS500 **-** "SUCC" (successful) if status of BSI card is good, or "FAIL", or "NONE" if no card, for up to three cards (Note: 'M' systems support one BSI card only — same display as shown for DCS)	BSI STATUS M:NONE-SUCC-NONE
2. Press Transfer/TRSF to exit OR Press SPEAKER to advance to next MMC	

Default Data: **None**

Related Items:

MMC 737 DECT System Code
MMC 738 DECT Clear Registration
MMC 739 BSI Download
MMC 741 BSI Card Restart
MMC 743 DBS Status
MMC 744 DECT Registration On/Off
MMC 745 BSI Carrier

MMC: 743 DBS STATUS

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Checks status of DECT base stations (DBS).

ACTION **DISPLAY**

1. Open programming and select **743**

   The status of each DBS is displayed:
   If status is good, "1" is displayed
   If status is not good, "0" is displayed

   For DCS **-** (DBS 1-8)

   ```
   DBS : 12345678
   STS :  11101100
   ```

   OR

   OR

   For Compact II or iDCS100 **-** (DBS 1-3)

   ```
   DBS STATUS
   1:1    2:1    3:0
   ```

   OR

   OR

   For iDCS500 **-** (DBS 1-8)
   Up to three BSI cards (S:1, S:2, S:3)

   ```
   DBS : 12345678   S:1
   STS :  11101100
   ```

   (Note: 'M' systems support one BSI card only)

   Press VOLUME keys to scroll cards 1–3 and view status

2. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **None**

Related Items:
- MMC 737 DECT System Code
- MMC 738 DECT Clear Registration
- MMC 739 BSI Download
- MMC 741 BSI Card Restart
- MMC 742 BSI Status
- MMC 744 DECT Registration On/Off

MMC: 744 DECT REGISTRATION ON/OFF

DCS	✓	CI	✓	CII	✓	816	✗	408i	✗	408	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Enables DECT handset registration on a keyphone system. If this MMC is not opened and an attempt is made to register a DECT handset, an error message will be displayed. The default passcode for registration can be changed using MMC 202, Change Feature Passcodes.

Caution: When you have finished registering handsets, run this MMC again to set the registration mode to DISABLE. This will prevent unauthorised access to this feature.

ACTION	DISPLAY
1. Open programming and select **744** Display shows	ENABLE DECT REG. PASSCODE:
2. Enter passcode	ENABLE DECT REG. PASSCODE:✱✱✱✱
If the correct code is entered the display shows	ENABLE DECT REG. DISABLE
An incorrect code entry shows	ENABLE DECT REG. PASSCODE ERROR
If the SYSTEM ID in MMC 737 (*DECT System Code*) has not been set, this message will be displayed:	ENABLE DECT REG. NO REG. SYSTEM ID
3. Dial 1 for ENABLE or 0 for DISABLE OR Press VOLUME keys to select and press RIGHT soft key	ENABLE DECT REG. ENABLE
4. Press Transfer/TRSF to exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **DISABLE**

Related Items:
- **MMC 202 Change Feature Passcodes**
- **MMC 737 DECT System Code**
- **MMC 738 DECT Clear Registration**
- **MMC 739 BSI Download**
- **MMC 741 BSI Card Restart**
- **MMC 742 BSI Status**
- **MMC 743 DBS Status**
- **MMC 745 BSI Carrier**

MMC: 745 BSI CARRIER

DCS	✓	CI	✓	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: A DECT base station uses one of 10 channels (FDMA technology). This MMC is used to allow or deny the use of each channel (carrier). By default, all carriers can be used by a base station.

Options: 1 Carrier can be used

0 Carrier cannot be used

ACTION	DISPLAY
1. Open programming and select **745**	
The display shows the status of each carrier (0–9):	CARS:0123456789 SELS: 1111111111
If '1' is shown below a carrier, this carrier can be used by the base station	
If '0' is shown below a carrier, this carrier cannot be used by the base station	
2. Dial 1 or 0 for each carrier as required	CARS:0123456789 SELS: 1101111111
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **1111111111 (all carriers selected)**

Related Items:

- MMC 202 Change Feature Passcodes
- MMC 737 DECT System Code
- MMC 738 DECT Clear Registration
- MMC 739 BSI Download
- MMC 741 BSI Card Restart
- MMC 742 BSI Status
- MMC 743 DBS Status
- MMC 744 DECT Registration On/Off

MMC: 746 COSTING DIAL PLAN

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: The Costing Dial Plan is used to analyse the leading dialled digits of a number and determine what Dial Plan it is to follow. The entries are as follows.

COST DP: Up to 500 entries can be made.

DIGITS: Each entry can be up to 10 digits. These are the entries that will be searched to find a match with the digits dialled by the station making the call. This is a leading digits table and the system will look for the exact leading digits in the table that match the number dialled. For example, if a user dials 1305 and the Costing Dial Plan contains 1, 1308 and 1312, the dialled digits will be matched to 1 because 1308 and 1312 do not form a complete match. When this table is created or when any new entries are added, the system automatically places all entries in numerical order.

No number conflicts (e.g., 142 and 1429) are allowed. Wild cards (X, Y, Z) can be used to represent any digit and are defined in MMC 704. When all entries are used, [LAST ENTRY] is displayed.

CALL RATE:.This is one of eight (1–8) cost rates used by MMC 433 (Trunk Cost Rate), to determine the correct billing according to MMC 747 (Rate Calculation Table).

Examples

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

Whenever a new entry is added, the system will sort all entries in numerical order because this is the logical order in which the system analyses digits. Wild cards are checked after exact digits. If 1813 and 18XX are entered, the system will check 1813 first. If no match is found, it will check 18XX.

ACTION	DISPLAY
1. Open programming and select **746**	COST DP (001) DIGIT:
2. Dial Call Cost entry (e.g., 005) OR Press VOLUME keys to select entry and press RIGHT soft key to move cursor	COST DP (005) DIGIT:_
3. Enter digit string via the dial keypad (e.g. 1305) and press RIGHT soft key	COST DP (005) DIGIT:1305
4. Enter Dial Plan 1–8 e.g. 7 and press LEFT soft key to return to step 3 or RIGHT soft key to return to step 2	COST DP (005) CALL RATE: 7
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 202 Change Feature Passcodes**
MMC 433 Trunk Cost Rate
MMC 747 Rate Calculation Table

MMC: 747 RATE CALCULATION TABLE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Defines the billing charges for each phone call cost rate. There are eight call cost rates. Each rate has the following data fields.

First Interval Duration: The amount of time at the beginning of each call to which a fixed cost is applied. The range is 0 to 999 seconds; for example, 180 seconds (three minutes).

First Interval Cost: The cost for the first interval duration. The range is 0–999 pence (or cents if the 'Use Euro' option is set on in MMC 210). For example, 100 is £1.00 or 1 Euro.

Second Interval Duration: The duration of each billing increment after the first interval has expired. The range is 0–999 seconds; for example, 006 seconds (six seconds).

Second Interval Cost: The cost for each billing increment. The range is 0–999 pence (or cents if the 'Use Euro' option is set on in MMC 210). For example, 025 is £0.25 or 25 Ecents

Surcharge: This is a one-time charge applied to a call over and above the time charges. The range is 0–999 pence (or Ecents).

ACTION	DISPLAY
1. Open programming and select **747**	COST RATE (1) 1ST DUR :000 SEC
2. Dial Cost Rate number 1–8 (e.g., 3) OR Press VOLUME keys to select and press RIGHT soft key OR Press ANS/RLS for ALL rates	COST RATE (3) 1ST DUR :000 SEC
3. Enter First Interval Duration in seconds, e.g. 060 (one minute) and press VOLUME Up key	COST RATE (3) 1ST DUR:060 SEC
4. Enter First Interval Cost, e.g. 125 using the keypad and press VOLUME Up key	COST RATE (3) 1ST COST:125
5. Enter Second Interval Duration in seconds, e.g. 006 (six seconds) and press VOLUME Up key	COST RATE (3) 2ND DUR:006 SEC
6. Enter Second Interval Cost, e.g. 030 using the keypad and press VOLUME UP key	COST RATE (3) 2ND COST:030

7. Enter SURCHARGE, e.g., 100

```
COST RATE    (3)
SURCHARGE :100  C
```

8. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **None**

Related Items: **MMC 110 Station On/Off (Call Cost option)**
MMC 433 Trunk Cost Rate
MMC 746 Costing Dial Plan

MMC: 750 VM CARD RESTART

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Determines whether mailboxes are set up according to the data set in MMC 751, Assign Mailbox, when the Voice Mail card is restarted. There are two options available in this MMC: Download and Card Restart.

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

CARD RESTART
If this option is set to YES, the card will immediately restart according to the Download option specified above.

ACTION	DISPLAY
1. Open programming and select **750** Display shows	VM CARD RESTART DOWNLOAD ? YES
2. Dial 1 for YES or 0 for NO (download) OR Press VOLUME keys to select and press RIGHT soft key	VM CARD RESTART CARD RESTART?NO
3. Dial 1 for YES or 0 for NO (restart) OR Press VOLUME keys to select and press RIGHT soft key	VM CARD RESTART CARD RESTART?YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **DOWNLOAD=YES**
CARD RESTART=NO

Related Items: **MMC 751 Assign Mailbox**

MMC: 751 ASSIGN MAILBOX

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Assigns mailboxes to each station or station group. Mailboxes are assigned to all stations or groups flagged as YES in this MMC if DOWNLOAD=YES is set in MMC 750 during VM card start-up.

New boxes can be added through Voice Mail administration or by using this MMC.

ACTION	DISPLAY
1. Open programming and select **751** Display shows	ASSIGN MAIL BOX [301] YES
2. Dial station or group number (e.g. 302) OR Press VOLUME keys to select station and press RIGHT soft key	ASSIGN MAIL BOX [302] YES
3. Dial 0 for NO or 1 for YES OR Press VOLUME keys to select and press RIGHT soft key to return to step 2	ASSIGN MAIL BOX [302] YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All stations=YES**
All groups=NO

Related Items: **MMC 750 VM Card Restart**

MMC: 752 AUTO RECORD

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Specific stations can be assigned to automatically record conversations. Options for recording are:

Station number (STN)
Mailbox (MB)
Voice Mail port
Call type: all incoming calls (I), all outgoing calls (O), or both incoming and outgoing calls (B).

A maximum of eight stations can be assigned at any one time.

Caution: Samsung Telecoms is not responsible for any illegal use of this feature.

ACTION	DISPLAY
1. Open programming and select **752** Display shows	AUTO RECORD STN: 301 MB: NONE
2. Dial station number (e.g. 302) OR Press VOLUME keys to select station and press RIGHT soft key	AUTO RECORD STN: 302 MB: NONE
3. Dial mailbox number (e.g. 341) OR Press VOLUME keys to select mailbox and press RIGHT soft key	AUTO RECORD STN: 302 MB: 341
4. Dial Voice Mail port number (e.g. 519) OR Press VOLUME keys to select port and press RIGHT soft key	AUTO RECORD PORT: 519 CALL:I
5. Press VOLUME keys to select call type I, O or B (e.g. B) and press RIGHT soft key	AUTO RECORD PORT: 519 CALL:B
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **MB=NONE** **PORT=NONE** **CALL=I**

Related Items: **None**

MMC: 753 WARNING DESTINATION

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Provides an emergency destination for calls to Voice Mail if the card is removed or off-line. The destination can be a station number or a group number. Any station call that is forwarded to Voice Mail will remain ringing at the forwarding station until answered.

Note: The destination is the same as the VM ALARM mailbox in MMC 755.

ACTION	DISPLAY
1. Open programming and select **753** Display shows default destination	WARNING DEST. DEST:500
2. Dial destination number (e.g., 213) OR Press VOLUME keys to scroll to number	WARNING DEST. DEST:213
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **WARNING DESTINATION = 500**

Related Items: **MMC 500 System-Wide Counters (Alarm Reminder Counter)**

MMC: 754 VM HALT

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Takes the Voice Mail card off-line. This MMC ensures that there are no calls on the card when it is taken off-line. You cannot halt the card using MMC 810 (Halt Processing).

ACTION	DISPLAY
1. Open programming and select **754** Display shows	VM HALT STATUS:PROC
2. Dial 1 to halt (HALT) or 0 not to halt (PROC) OR Press VOLUME keys to select Press RIGHT soft key	VM HALT STATUS:HALT
3. Press VOLUME keys to select YES or NO (YES will take the card off-line) Press RIGHT soft key	VM HALT ARE YOU SURE?YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 755 VM ALARM

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Generates an alarm message in a mailbox, defined in MMC 753, when the Voice Mail card hard disk drive or flash memory reaches a selected 'threshold' (percentage of capacity). You select the threshold in this MMC—the range is 00–99%.

For example, if you select a threshold of 70, an alarm message is generated if more than 70% of capacity is reached. Refer to your Voice Mail documentation for more information.

ACTION	DISPLAY
1. Open programming and select **755** Display shows	VM ALARM THRESHOLD:80
2. Enter new threshold value using keypad (e.g. 85) OR Press VOLUME keys to select threshold value Press RIGHT soft key	VM ALARM THRESHOLD:85
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **THRESHOLD=80%**

Related Items: **MMC 753 Warning Destination**

MMC: 756 ASSIGN VM MOH

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Assigns a Voice Mail port as a Music-On-Hold (MOH) source. The source will be one of the sound files stored in the card's memory. Once assigned, the port cannot be used for VM/AA applications. Refer to your Voice Mail documentation for more information.

ACTION	DISPLAY
1. Open programming and select **756** Display shows	SET VMMOH 717 : NOT USED
2. Press VOLUME keys to select port and press RIGHT soft key	SET VMMOH 717 : NOT USED
3. Press VOLUME keys to select MOH file number (00–99*) and press RIGHT soft key	SET VMMOH 717 : 01
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

* Note: nos. 00–99 are equivalent to Voice Mail card file nos. 5000–5099

Default Data: **NOT USED**

Related Items: **None**

MMC: 757 VM IN/OUT

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail—Cadence, SVMi-4, SVMi-8, SVM-400.)

Defines which VM ports are used for incoming calls, outgoing calls, or both. Options are:

IN
OUT
IN/OUT

Any port set as an MOH port in MMC 756 will display as "MOH" in MMC 757 and cannot be changed in this MMC.

ACTION	DISPLAY
1. Open programming and select **757** Display shows	VM IN/OUT 717 : IN/OUT
2. Dial port number (e.g. 718) OR Press VOLUME keys to select Press RIGHT soft key	VM IN/OUT 718 : IN/OUT
3. Press VOLUME keys to select option (e.g. IN) and press RIGHT soft key	VM IN/OUT 718 : IN
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **IN/OUT**

Related Items: **None**

MMC: 758 VM DAY/NIGHT

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Voice Mail card on *i*DCS systems only.)

The Voice Mail (VM) card can operate in either a DAY or NIGHT mode. The mode will determine what main menu greetings and options are played to callers.

The mode can change automatically (if enabled in the VM card) according to the setting in this MMC. The option for DAY or NIGHT is entered for each ring plan 1–6 as required.

Refer to your Voice Mail documentation for more information.

ACTION	DISPLAY
1. Open programming and select **758** Display shows	VM DAY/NIGHT RING 1 : DAY
2. Press VOLUME keys to select ring plan (e.g. 2) and press RIGHT soft key	VM DAY/NIGHT RING 2 : DAY
3. Press VOLUME keys to select option DAY/NIGHT (e.g. NIGHT)	VM DAY/NIGHT RING 2 : NIGHT
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All ring plans=DAY**

Related Items: **MMC 507 Assign Ring Plan Time**

MMC: 760 ITEM COST TABLE

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel Application only.)

Assigns a code to all Hotel items along with a name (up to 10-characters) for each item. There is a maximum of 100 entries (00–99) in the table. Items 00 and 01 are reserved as the codes for deposits, and items 89–99 reserved for other PMS stream items (see *Pre-defined Codes*, below). All other codes (02–88) can be assigned here. All item codes, with the exception of codes 93 to 99, will appear on the guest's bill at checkout and will serve to identify what each charge on the bill is for. The room bill, when printed, will also show telephone calls with an item designation of TEL and the name field will show the number dialled. In addition to the name, up to eight of the tax codes or rates defined in MMC 761 can be applied to each item.

Refer to your Hotel documentation for more details.

PREDEFINED CODES

Item	Description	Use
00	RM Deposit	Used for room pre-pay deposits
01	PH Deposit	Used for phone pre-pay deposits
89	W/UP SET	A wake up call was set
90	W/UP ANS	A wake up call was answered
91	W/UP N/ANS	A wake up call was not answered
92	W/UP CANCL	A wake up call was cancelled
93	Check In	A guest has checked into a room
94	Check out	A guest has checked out of a room
95	Available	Room flagged as Available
96	Occupied	Room flagged as Occupied
97	Clean Room	Room flagged as Needs Cleaning
98	Fix Room	Room flagged as Needs Maintenance
99	Hold	Room flagged as on Hold

OTHER CODES

Codes 02–88 can be defined as, for example, Double (room), Single (room), Room Service, etc.

ITEM NAMES

Names for items are written using the keypad. Each key press moves the cursor and enters the selected character.* For example, if the item name is "ROOM COST", press the number "7" three times to get the letter "R". Now press the number "6" three times to get the letter "O" Continue selecting characters from the keypad to complete your name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to section 1.5.2 in Part 1 for key descriptions).

* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

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

ACTION	DISPLAY
1. Open programming and select **760** Display shows	ITEM CODE (00) NAME:RM Deposit
2. Enter code number, e.g., 05 OR Press VOLUME keys to select code and press RIGHT soft key	ITEM CODE (05) NAME:_
3. Enter item name (e.g. ROOM COST)	ITEM CODE (05) NAME:ROOM COST
4. Press RIGHT soft key to move cursor to tax entry	ITEM CODE (05) TAXES:00000000
5. Enter the tax rates that apply to this item (enter "1" for each) and press RIGHT soft key to return to step 2	ITEM CODE (05) TAXES:11000000
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 221 Extension Type**
MMC 761 Tax Rate Setup

MMC: 761 TAX RATE SETUP

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel Application only.)

Sets up the eight tax rates used in MMC 760. Each tax rate can be defined as described below. In addition, a name (up to 10-characters) may be used to define the purpose of the tax. The options are:

TAX RATE: The number assigned to this tax rate. The tax rates are numbered 1 to 8 to match the rate field in MMC 760, counting from left to right.

TYPE: The type of tax. Defines if the value is added as a percentage (%) of the cost of an item, is included as a percentage of the cost of the item (I) or is added as a fixed currency value to an item (C). For example, % = service charge, I = VAT, C = admin.

VALUE: The actual tax rate that will be applied to the item cost.

NAME: The name (up to 10-characters) that will be displayed on the room bill alongside the tax (e.g. VAT, Service Charge).

Names are entered using the keypad. (Refer to the description "Item Names" in MMC 760.)

ACTION	DISPLAY
1. Open programming and select **761** Display shows	TAX RATE (1) TYPE:% VAL:00.00
2. Enter valid tax rate number (1–8) OR Press VOLUME keys to select number and press RIGHT soft key	TAX RATE (1) TYPE:% VAL:00.00
3. Dial 0 for '%' or 1 for 'C' or 2 for 'I' (e.g. 2) OR Press VOLUME keys to select type and press RIGHT soft key	TAX RATE (1) TYPE:I VAL:00.00
4. Enter the tax rate value via the keypad (e.g. 17.5) If entry is valid, the system advances cursor	TAX RATE (1) TYPE:I VAL:17.50
5. Enter tax name (e.g. VAT) and press right soft key to return to step 2	TAX RATE (1) NAME:VAT
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All rates=%**

Related Items: **MMC 760 Item Cost Table**

MMC: 762 ROOM COST RATE

DCS	✓	CI	✗	CII	✓	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel Application only.)

Sets up room cost rates for each day of the week. Each room cost rate can be assigned with the percentage of the room cost from Sunday to Saturday.

For Example:

In this MMC you set SAT=150%, SUN=150%, MON=090%, TUE–FRI=100%

During the check-in procedure for a guest, if you set £100 for the room cost, the real room cost will be £150 on Saturday and Sunday, £90 on Monday and £100 from Tuesday to Friday.

ACTION	DISPLAY
1. Open programming and select **762** Display shows	RM COST RAT (SUN) 100% :
2. Dial day number (0-6 for SUN–SAT, e.g., 2) OR Press VOLUME keys to select day and press right soft key	RM COST RAT (TUE) 100% :_
3. Enter room cost rate (001–999, e.g. 090)	RM COST RAT (TUE) 100% :090
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All rates=100%**

Related Items: **MMC 760 Item Cost Table**

MMC: 800 ENABLE TECHNICIAN PROGRAM

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Opens and closes system-level (technician) 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 4-digit passcode is required to access this MMC (which can be changed in MMC 801). When opened, this MMC enables access to all MMCs.

The procedure below describes how to open programming.

ACTION	DISPLAY
1. Press **Transfer/TRSF 800** Display shows	ENABLE TECH.PROG PASSCODE:
2. Enter passcode	ENABLE TECH.PROG PASSCODE: ****
DCS and iDCS500 only – Correct code shows (allows you to select a tenant)	ENABLE TECH.PROG DISABLE TENANT:1
OR	OR
Other systems – Correct code shows	ENABLE TECH.PROG DISABLE
If you enter an incorrect code, you see this display and you return to the passcode entry display so you can try again	ENABLE TECH.PROG PASSCODE ERROR
3. Enter 1 to enable or 0 to disable OR Press VOLUME keys to select	ENABLE TECH.PROG ENABLE TENANT:1 OR ENABLE TECH.PROG ENABLE
DCS and iDCS500 only **-** Press RIGHT soft key to move to TENANT field and enter number (1–2)	ENABLE TECH.PROG ENABLE TENANT:2
4. Press SPEAKER to advance to MMC entry level	801:TEC.PASSCODE SELECT PROG.ID

5. Enter the MMC required and begin programming.
   Follow the instructions for that MMC.

Disabling (Closing) Programming Mode

If you wish to immediately close programming mode when you have finished programming:

- Return to MMC 800. The display shows that programming is enabled.
- Use the VOLUME keys to select DISABLE and press Transfer/TRSF to exit.

If you do not close programming using MMC 800, programming mode will be automatically disabled if you do not carry out any programming tasks within the time set in the system timer KMMC LOCK OUT (see MMC 501, System-Wide Timers).

Default Data: **DISABLE (closed)**
Passcode=4321

Related Items: **MMC 801 Change Technician Passcode**

MMC: 801 CHANGE TECHNICIAN PASSCODE

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Changes the passcode which allows access to MMC 800 (Enable Technician Program) from its current value.

Note: The passcode is four digits long. The current or "old" passcode is required for this MMC.

ACTION	DISPLAY
1. Open programming and select **801**	TECH. PASSCODE NEW CODE:_
2. Enter new passcode	TECH. PASSCODE NEW CODE:****
3. Enter new passcode again to verify	TECH. PASSCODE VERIFY :****
4. If verification is correct, press RIGHT soft key to continue and enter desired MMC	TECH. PASSCODE VERIFY :SUCCESS
If verification is incorrect display shows "Failure" and system returns to step 2	TECH. PASSCODE VERIFY :FAILURE
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to advance to MMC	

Default Data: **Default passcode = 4321**

Related Items: **MMC 800 Enable Technician Program**

MMC: 802 CUSTOMER ACCESS MMC NUMBER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Allows the installer to designate to which MMCs the system administrator (or "customer") has access. For example, it is advised that the customer has access to MMC 102, *Call Forward*, for call forwarding but it is not advised that the customer has access to MMC 710, *LCR Digit Table*, for LCR dial plans. (MMC 802 is for both tenants on DCS and *i*DCS500 systems.)

ACTION	DISPLAY
1. Open programming and select **802** Display shows *DCS and iDCS500 systems only—go to step 2* *Other systems—go to step 3*	CUSTOMER ACCESS 100:STN LOCK:YES OR CUST.USE MMC : (1) 100:STN LOCK:YES
2. Enter desired tenant number (1–2) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	CUST.USE MMC : (1) 100:STN LOCK:YES
3. Enter desired MMC number (e.g. 102) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	CUSTOMER ACCESS 102:CALL FWD:YES
4. Enter 1 for YES or 0 for NO OR Press VOLUME keys to make selection and press LEFT soft key to return to step 3 to make additional entries	CUSTOMER ACCESS 102:CALL FWD:NO
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Customers have default access to the following MMCs:**

100–119, 121, 201, 202, 209, 211–14, 216, 300–306, 308, 309, 312, 315, 317, 404–406, 408–412, 414–416, 421, 500, 502, 505, 508, 512, 600–602, 604, 606, 607, 705–708, 714, 715, 720–722, 725, 727, 728.

Related Items: **All MMCs 100–761**

MMC: 803 ASSIGN TENANT GROUP

DCS	✓	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: Assigns tenant groups on a per-cabinet, slot and port basis. The simple rule is Cabinet-Slot-Port=Tenant. The only information needed is the correct correlation of entries.

ACTION	DISPLAY
1. Open programming and select **803** Display shows	TENANT GROUP C:1 S:1 P:01 T:1 OR TENANT GROUP C:1 S:1 –01 T:1
2. Enter cabinet (C) number (if no change, press RIGHT soft key to move cursor)	TENANT GROUP C:1 S:1 P:01 T:1
3. Enter slot (S) number (if no change, press RIGHT soft key to move cursor)	TENANT GROUP C:1 S:1 P:01 T:1
4. Enter port (P) number (if no change, press RIGHT soft key to move cursor)	TENANT GROUP C:1 S:1 P:01 T:1
5. Enter tenant (T) number (if no change, press RIGHT soft key to return to step 2)	TENANT GROUP C:1 S:1 P:01 T:1
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All assignments tenant 1**

Related Items: **Tenant group**

MMC: 804 SYSTEM I/O PARAMETER

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets parameters for the system I/O ports to work with one of the following:

- a personal computer (PC)
- Station Message Detail Recording (SMDR)
- UCD statistics report/periodic UCD information (except 408/408i)
- Computer-Telephony—TSAPI—Interface (CTI)

System	No. of I/O Ports
DCS, CII, 816	Two ports (Ports 1 and 2)
408/408i	One port (Port 1)
*i*DCS500	Up to five ports available on an *i*DCS500 with a LAN module. The fifth port is used for internal modem control. If no LAN module is installed, three ports are available and the third port is used for internal modem control.
*i*DCS100	Up to three ports available on an *i*DCS100. Two are supplied on the MISC 1 or MISC 2 card and one on a MEM4 card.

Use the tables below to customise I/O ports.

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 or SIM Pair	DSR Check on/off (all systems except DCS) No. of the station connected to the Serial Interface Module (SIM) (DCS systems only)

SERVICE TYPE

Each port can be set to one of the following service types. Note that the services available depend on the type of system being programmed. No two ports can be programmed with the same service type.

Type	Description
PC-MMC	PC application
SMDR	SMDR report (call logging)
UCD REPT	UCD report on request by the supervisor, or daily
UCD/SMDR	Both SMDR and UCD report will be generated
CTI	Dedicated Switch Link Interface
CTI/SMDR	CTI and SMDR
CTI/UCD	CTI and UCD
CTI/S/U	CTI, SMDR and UCD
VM TRACE	Voice Mail monitoring

TRAFFIC	Traffic report
TRF/SMDR	Traffic report and SMDR
ALARM	Alarm report
ALM/TRAF	Alarm report and Traffic report
PERI UCD	Periodic UCD report
HM REPT	Hotel report
PMS	PMS report
PMS SMDR	PMS report and SMDR
BD-PMS	Bi-directional PMS
UCD VIEW	UCD view
UV/SMDR	UCD view and SMDR
UV/CTI	UCD view and CTI
REMO M/A	Remote Maintenance & Administration*
NOT USE	Not used

* NOT remote PCMMC

SPEED (BPS)

Speed	Dial Key			
	DCS/CII/816	408/408i	*i*DCS500	*i*DCS100
600	0	–	–	–
1200	1	2	–	0
2400	2	3	–	1
4800	3	4	0	2
9600	4	5	1	3
19200	5	–	2	4*
38400	–	–	3	–

* System with LAN interface only

CHARACTER LENGTH

Dial 7	7 bits
Dial 8	8 bits

PARITY

Dial 0	None
Dial 1	Odd
Dial 2	Even

RETRY COUNT

01–99

STOP BIT

Dial 1	1 bit
Dial 2	2 bit

WAIT TIME

0000–3600 msec

DSR CHECK

ON/OFF

ACTION	DISPLAY
1. Open programming and select **804** Display shows	SYS I/O PORT (1) SERVICE:PC-MMC
2. Enter port number (e.g. 2) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	SYS I/O PORT (2) SERVICE:SMDR
3. Enter parameter option from the above option list (e.g. 1) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	SYS I/O PORT (2) BAUD:9600 BPS
4. Enter desired value (e.g. 19200 bps) OR Press VOLUME keys to display value and press RIGHT soft key to return to step 2	SYS I/O PORT (2) BAUD:19200 BPS
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

Option	DCS/CII/816	408/408i	*i*DCS500	*i*DCS100
Service Type	**1 PCMMC 2 SMDR**	**1 SMDR**	**1 PCMMC 2 SMDR 3 (to 5) NOT USED**	**1 PCMMC 2 SMDR (3 NOT USED)**
Baud Rate (bps)	**9600**	**9600**	**19200**	**19200**
Char Length (bits)	**8**	**8**	**8**	**8**
Parity	**None**	**None**	**None**	**None**
Retry Count	**03**	**03**	**03**	**03**
Stop Bit	**1**	**1**	**1**	**1**
Wait Time (msec)	**3000**	**3000**	**3000**	**3000**
DSR Check	**Off (not DCS)**	**Off**	**Off**	**Off**
SIM Pair	**None (DCS)**	**–**	**–**	**–**

Related Items: MMC 725 SMDR Options

MMC: 805 TX LEVEL AND GAIN

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets the base level of TX volume and the TSW gain control for time-switch connect types.

There are eight (8) volume levels which are controlled by the VOLUME keys on the key-set. However, there are 11 possible levels in a DCS or Compact II system, nine in an 816 system, four in a 408/408i system and 10 in an *i*DCS system. With this MMC, you can select the desired levels.

Options are:

TX LEVEL CONTROL
TSW GAIN CONTROL

*i*DCS500 systems also provide a MISC TSW gain control option for Background Music and Music-On-Hold.

Caution—You should only change the default values under the supervision of Technical Support.

ACTION	DISPLAY
1. Open programming and select **805** Display shows	TX LEVEL CONTROL LEVEL 0 → 1
2. Press VOLUME keys to select TX LEVEL CONTROL or TSW GAIN CONTROL (or MISC TSW GAIN) OR Press RIGHT soft key to select If you selected TX, goto step 3 If you selected TSW, goto step 4 If you selected MISC TSW, goto step 6	TX LEVEL CONTROL LEVEL 0 → 1
3. Press RIGHT soft key to go to the volume level OR Press VOLUME keys to go to next volume level	TX LEVEL CONTROL LEVEL 1 → 2
Enter desired volume level OR Press VOLUME keys to scroll data (00-10) (Go to step 7 if finished)	TX LEVEL CONTROL LEVEL 1 → 3

4. Press RIGHT soft key to go to the TSW GAIN CONTROL type
   OR
   Press VOLUME keys to go to next TSW type

```
TSW GAIN CONTROL
SLT → SLT:+0.0
```

5. Press VOLUME keys to select TSW gain data
   Press RIGHT soft key to go back to step 4 or go to step 7 if finished

```
TSW GAIN CONTROL
SLT → SLT:+2.0
```

6. Press RIGHT soft key to go to the volume level
   Enter the value 0–7 (system returns to step 2)
   OR
   Press VOLUME keys to select and press RIGHT soft key to return to step 2

```
MISC TSW GAIN
BGM/MOH  :1
```

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **Depends on system**

Related Items: **None**

MMC: 806 CARD PRE-INSTALL

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Pre-programmes a slot for a specific card. For example, after the system is installed and a new card is added, you should run this program for the system to accept the card. Programming of ports, extensions, trunks etc, must be done in MMC 724.

The procedure differs slightly for each type of system, as described below.

■ *DCS PROCEDURE*

ACTION	DISPLAY
1. Open programming and select **806** Display shows	C1–01 :INSTALL PRITRK →PRITRK
2. Enter cabinet number (e.g., 3) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	C3–01 :INSTALL PRITRK →PRITRK
3. Enter slot number (e.g., 5) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	C3–05 :INSTALL DLI → DLI
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

■ *COMPACT II & iDCS100 PROCEDURE*

ACTION	DISPLAY
1. Open programming and select **806** Display shows	O.SLI SLOT O.2SLI →O.2SLI
2. Press VOLUME keys to select slot number	EXP.1 SLOT 6DLI →8DLI
3. Press RIGHT soft key to change previous card type	EXP.1 SLOT 8DLI →8DLI
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

■ *816 PROCEDURE*

ACTION	DISPLAY
1. Open programming and select **806** Display shows	EXP. SLOT NONE →NONE
2. Press RIGHT soft key to change previous card type	EXP. SLOT NONE →8TRK
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

■ *iDCS500 PROCEDURE*

The MMC also displays the power supply unit feeding the card (P).

ACTION	DISPLAY
1. Open programming and select **806** Display shows	C:1–S:1 P:N[00] PRITRK →PRITRK
2. Enter cabinet number (e.g., 1) OR Press VOLUME keys to make selection and press RIGHT soft key to move cursor	C:1–S:1 P:N[00] 16 DLI →16 DLI
3. Enter slot number (e.g., 3) OR Press VOLUME keys to make selection and press RIGHT soft key	C:1–S:3 P:N[00] 4 TRK →4 TRK
4. Press VOLUME keys to select YES (or NO)	C:1–S:3 P:N[00] RESET CARD ? YES
5. Press VOLUME keys to select YES (or NO) to confirm	C:1–S:3 P:N[00] ARE YOU SURE? YES
6. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 724 Dial Numbering Plan**

MMC: 807 VOLUME CONTROL

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Sets the volume levels for the following keyset features:

KEY TONE	NOISE THRES
SIDETONE	ALC THRES
HANDSET TX	TX/RX THRES
MIC TX LEVEL	TX/RX COMP
NOISE GUARD	MIN RX VOL*

* *i*DCS 28D keysets only

Caution
You should only change these values under the supervision of Technical Support.

ACTION	DISPLAY
1. Open programming and select **807** Display shows (e.g. DCS)	VOL.CONTROL:DGP KEY TONE VOL :1
2. Press RIGHT soft key to move cursor	VOL.CONTROL:DGP KEY TONE VOL :1
3. Press VOLUME keys to select feature (e.g. SIDE TONE VOL) and press RIGHT soft key	VOL.CONTROL:DGP SIDE TONE VOL:1
4. Press VOLUME keys to select volume and press LEFT soft key	VOL.CONTROL:DGP SIDE TONE VOL:2
5. Repeat step 3 to select and change other volume levels OR Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

KEY TONE VOL	**1**	**NOISE THRES.**	**1**
SIDETONE VOL	**1**	**ALC THRES.**	**7**
HANDSET TX	**3**	**TX/RX THRES.**	**3**
MIC TX LEVEL	**3**	**TX/RX COMP.**	**5**
NOISE GUARD	**8**	**MIN RX VOL**	**6**

Related Items: **None**

MMC: 808 T1 TRUNK CODING

Not Used in the UK / EU

MMC: 809 SYSTEM MMC LANGUAGE

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Assigns an LCD display based on the system programming language. Your system supports some or all of the following languages:

ENGLISH	DANISH
GERMAN	DUTCH
PORTUGUESE	SPANISH

ACTION	DISPLAY
1. Open programming and select **809** Display shows	SYS.MMC LANGUAGE ENGLISH
2. Press VOLUME keys to make selection and press RIGHT soft key	SYS.MMC LANGUAGE GERMAN
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **ENGLISH**

Related Items: **MMC 121 Keyset Language**

MMC: 810 HALT PROCESSING

DCS	✓	CI	✓	CII	✓	816	✓	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Used only in the event that all data processing needs to be stopped in either a single cabinet or slot, or in the entire system. The procedure differs slightly between systems.

Note: You do not need to enable system programming (MMC 800) in order to run this program but you will still require the technician's passcode.

■ *DCS & iDCS500 PROCEDURE*

ACTION	DISPLAY
1. Open programming and select **810** Display shows	HALT/PROCESSING C:ALL S:ALL→PROC
2a. Enter cabinet number OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	HALT/PROCESSING C:3 S:ALL→PROC
2b. Press ANS/RLS to select all cabinets and all slots	HALT/PROCESSING C:ALL S:ALL→PROC
3. Enter slot number OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	HALT/PROCESSING C:3 S:5 →PROC
4. Enter 1 for HALT or 0 to PROC OR Press VOLUME keys to make selection and press RIGHT soft key to enter data and return to step 2	HALT/PROCESSING C:3 S:5 →HALT
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

■ *COMPACT II, 816 & iDCS100 PROCEDURE*

ACTION	DISPLAY
1. Open programming and select **810** Display shows	HALT/PROCESSING SLOT NO:ALL→PROC
2. Enter slot number (e.g. 5) OR Press VOLUME keys to make selection and press RIGHT soft key to advance cursor	HALT/PROCESSING SLOT NO:5 →PROC
OR Press ANS/RLS to select all slots	HALT/PROCESSING SLOT NO:ALL→PROC
3. Enter 1 for HALT or 0 to PROC OR Press VOLUME keys to make selection and press RIGHT soft key to enter data and return to step 2	HALT/PROCESSING SLOT NO:5 →HALT
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 811 RESET SYSTEM

DCS	✓	CI	✓	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Provides two methods of restarting the system. The first method (CLEAR MEMORY) restarts the system and clears all memory. The second method (RESET SYSTEM) restarts the system only. If CLEAR MEMORY is selected, system data will return to default values.

Note: You do not need to enable system programming (MMC 800) in order to run this program but you will still require the technician's passcode.

WARNING: Extreme care should be taken when using this MMC

If the system is restarted, all voice/data connections are dropped.

If memory is cleared, all customer data is deleted and the system returns to default status.

ACTION	DISPLAY
1. Open programming and select **811** Display shows	SYSTEM RESTART RESET SYSTEM?NO
2. Press VOLUME keys to make selection (RESET SYSTEM or CLEAR MEMORY) After selection is made, press RIGHT soft key to move cursor to YES/NO option	SYSTEM RESTART CLEAR MEMORY?NO
3. Press VOLUME keys to make selection and press RIGHT soft key	SYSTEM RESTART CLEAR MEMORY?YES
4. Press VOLUME keys to make selection and press RIGHT soft key ***Warning*: Selecting CLEAR MEMORY will erase all data in the system and return default values** If RESET SYSTEM is selected, system will return to normal programmed status	SYSTEM RESTART ARE YOU SURE?YES

Default Data: **None**

Related Items: **None**

MMC: 812 SELECT COUNTRY

DCS	✓	CI	✗	CII	✓	816	✓	408	✓	408i	✓	*i*DCS500	✓	*i*DCS100	✓

Purpose: Selects country for correct programming and operation.

IMPORTANT

This MMC should be run before any other programming is done to ensure that the correct software for your country has been selected, or to change the selection if required.

When using this MMC, the system is restarted and memory cleared to make the selection effective.

Note: You do not need to enable system programming in MMC 800 in order to run this program but you will still require the technician's passcode.

ACTION	DISPLAY
1. Open programming and select **812** Display shows the country selected by the installer (e.g. UK). To accept this setting, go to step 4.	SELECT COUNTRY U.K.
2. Press VOLUME keys to select a different country and press RIGHT soft key	SELECT COUNTRY DENMARK
3. Press VOLUME keys to select YES or NO and press RIGHT soft key **Warning: if you select YES, this will clear the memory and restart the system**	DEFAULTING SYSTM ARE YOU SURE?YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **All MMCs**

MMC: 813 HOTEL OPERATION

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (Hotel Application only.)

Enables and disables Hotel Application operation and features.

Note: *i*DCS100 systems require a MEM4 card in order to operate Hotel features.

ACTION	DISPLAY
1. Open programming and select **813** Display shows	HOTEL OPERATION DISABLE
2. Press VOLUME keys to select enable/disable	HOTEL OPERATION ENABLE
3. Press VOLUME keys to select YES (or NO) and press RIGHT soft key	HOTEL OPERATION ARE YOU SURE?YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **DISABLE**

Related Items: **All Hotel MMCs**

MMC: 815 CUSTOMER DATABASE COPY

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Enables the onboard customer database (SRAM) to be copied to the SMDB (*i*DCS500 SmartMedia card database) or the FLDB (*i*DCS100 Flash Memory database), and also allows a saved SMDB or FLDB database to be copied to the SRAM.

A daily save can be programmed to automatically save the SRAM to the SMDB or FLDB. This ensures that an up to date database is always available in case of a system failure. A daily save time of 00:00 means this option is disabled. It is recommended that you CLEAR the SMDB or FLDB before the SRAM is copied to it. When the SRAM is copied to the SMDB or FLDB there is no interruption in service. If the SMDB or FLDB is copied to the SRAM the system will reset to accept the new data.

Note:
1 *i*DCS100 systems require a MEM4 card which contains the SRAM.
2 The SRAM is on the MCP card in *i*DCS500 systems.

If the SmartMedia card or Flash Memory is in use when you run this program, a message “SMART IS BUSY” or “FLASH IS BUSY” is displayed.

ACTION	DISPLAY
To copy SRAM to SMBD or FLBD	
1. Open programming and select **815** Display shows Display is date (MM/DD/YY) and time (HH:MM) of last save	CUST.DBASE: SMDB S:10/18/02 01:00 OR CUST.DBASE: FLBD S:10/18/02 01:00
2. Press RIGHT soft key and then press VOLUME keys to select CLEAR option Press RIGHT soft key	CUST.DBASE: SMBD CLEAR SMBD :NO
3. Press VOLUME keys to select YES (or NO) and press RIGHT soft key	CUST.DBASE: SMBD CLEAR SMBD :YES
4. Press VOLUME keys to select YES (or NO) and press RIGHT soft key Selecting YES will clear the database	CUST.DBASE: SMBD ARE YOU SURE? :YES
5. Press VOLUME keys to select SRAM option and press RIGHT soft key	CUST.DBASE: SRAM DAILY SAVE: 01:00

6. Enter Daily Save time e. g. 0200

```
CUST.DBASE: SRAM
DAILY SAVE: 02:00
```

7. Press RIGHT soft key to move cursor and press VOLUME keys to select COPY TO SMBD (or COPY TO FLDB) option

```
CUST.DBASE: SRAM
COPY TO SMBD:NO
```

8. Press RIGHT soft key to move cursor

   Press VOLUME keys to select YES to copy, and press RIGHT soft key

```
CUST.DBASE: SRAM
COPY TO SMBD:YES
```

9. Press VOLUME keys to select YES, and press RIGHT soft key to copy SRAM

```
CUST.DBASE: SRAM
ARE YOU SURE?YES
```

10. Press Transfer/TRSF to store and exit
    OR
    Press SPEAKER to store and advance to next MMC

Default Data: **No Daily Save**

Related Items: **None**

MMC: 818 PROGRAM DOWNLOAD

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Changes the program version by downloading the program stored on the SmartMedia card (*i*DCS500) or in Flash Memory on the MEM4 card (*i*DCS100) to:

- the MCP, LAN and TEPRI cards on *i*DCS500 systems (including the LCP/SCP cards on *i*DCS500 'L' systems), or
- the TEPRI card on *i*DCS100 systems.

ACTION	DISPLAY
1. Open programming and select **818** Display shows	PGM DOWNLOAD MCP:MCPL1021.E
Press VOLUME keys to select card, e.g. LAN and press RIGHT soft key	PGM DOWNLOAD LAN:LAN2V108.PGM
2. Press VOLUME keys to select program and press RIGHT soft key	PGM DOWNLOAD LAN:LAN2V108.PGM
3. Press VOLUME keys to select YES and press RIGHT soft key to begin download If you selected the MCP program download, the system will restart.	LAN PGM DOWNLOAD NOW?YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 819 SM FILE CONTROL

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (*i*DCS500 systems only.)

Displays the size (in bytes) of various system program files on the SmartMedia card. You can also delete a file by selecting the file and pressing the HOLD key.

ACTION	DISPLAY
1. Open programming and select **819** Display shows	STARTUP.SYS sz:65279 byte
2. Press VOLUME keys to scroll through programs (Press HOLD key to delete a program file)	MCPL1021.E sz:2603496 byte
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 820 ASSIGN SYSTEM LINK ID

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Assigns the system link ID for Q-SIG networking. This is sent by the system on setting up calls and is used by the system when receiving calls. For Q-SIG networking it is mandatory to insert a value in SELF.

Note: *i*DCS100 systems require a MEM4 card.

ACTION	DISPLAY
1. Open programming and select **820** Display shows	SYSTEM LINK ID SELF :200
2. Press VOLUME keys to select SELF or NO. (01–19) and press RIGHT soft key	SYSTEM LINK ID SELF :200
3. Enter new value (1–10 digits) e.g. 217	SYSTEM LINK ID SELF :217
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 821 ASSIGN NETWORKING TRUNK

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Assigns TEPRI cards to use the Q-SIG protocol.

Note: *i*DCS100 systems require a MEM4 card.

ACTION	DISPLAY
1. Open programming and select **821** Display shows	[701] Q-SIG TRK NORMAL
2. Press VOLUME keys to select trunk number (e.g. 701) and press RIGHT soft key	[701] Q-SIG TRK NORMAL
3. Press VOLUME keys to select NORMAL trunk or Q-SIGNALING trunk and press RIGHT soft key to return to step 2	[701] Q-SIG TRK Q-SIGNALING
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **NORMAL**

Related Items: **Q-SIG Networking**

MMC: 823 ASSIGN NETWORKING COS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Assigns the classes of service for networking.

Note: *i*DCS100 systems require a MEM4 card.

Options are:

Dial	Option	Description	Default
01	CALL OFFER	Call Offer	
03	CC PATH RSV	CC Path Reservation	Y
04	CC SIG CONN	CC Retention of Signal Connection	Y
05	CC SVC RETN	CC Service Retention	Y
06	CCBS	Call Completion to Busy Subscriber	Y
07	CCNR	Call Completion on No Reply	Y
08	CFB	Call Forward Busy	Y
09	CFNR	Call Forward No Reply	Y
10	CFU	Call Forward Unconditional	Y
11	CI	Call Intrusion	Y
12	CI CAPABIL	Intrusion Capability Level (1–3)	2
14	CI PROTECT	Intrusion Protection Level (0–3)	2
15	CLIP	Calling Line Identification Presentation	Y
16	CLIR	Calling Line Identification Restriction	N
17	CNIP	Calling Name Identification Presentation	Y
18	CNIR	Calling Name Identification Restriction	N
19	CNIRO	Calling Name Identification Restriction Override	Y
20	COLP	Connected Line Identification Presentation	Y
21	COLR	Connected Line Identification Restriction	N
22	CONP	Connected Name Identification Presentation	Y
23	CONP LEVEL	CONP Level (0–3)	3
24	CONR	Connected Name Identification Restriction	N
25	CONRO	Connected Name Identification Restriction Override	Y
26	CT RE-ROUTE	Transfer By Rerouting	N
27	DND TONE	DND Announcement	N
28	DNDO	Do Not Disturb Override	N
29	DNDO CAPABL	DNDO Capability Level (0–3)	2
30	DNDO PROTEC	DNDO Protection Level (1–3)	2
31	PATH REPL.	Path Replacement	Y
32	PATH RETEN	Path Retention	Y

ACTION	DISPLAY
1. Open programming and select **823** Display shows	NETWORK COS (01) 01:CALL OFFER :Y
2. Dial class of service e.g. 02 OR Press VOLUME keys to select and press RIGHT soft key	NETWORK COS (02) 01:CALL OFFER :Y
3. Dial option number e.g. 08 OR Press VOLUME keys to select and press RIGHT soft key	NETWORK COS (01) 08:CFB :Y
Dial 0 for NO or 1 for YES OR Press VOLUME keys to select and press RIGHT soft key	NETWORK COS (01) 08:CFB :N
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **See table above**

Related Items: **None**

MMC: 824 NETWORK DIAL TRANSLATION

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Assigns the digit translation table used for Q-SIG networking. Generally, to call an extension on another node of a network, the station user must dial the node ID and extension number. This MMC provides a simple digit translation so that the user need only dial the extension number to call the station on the other node. The access digit needs to be programmed in MMC 724 (NTWK LCR DIAL NO. option) first.

The number of entries for the network dial translation table is:

*i*DCS500 'L' = 96 *i*DCS500 'M' = 16 *i*DCS100 = 20

Note: *i*DCS100 systems require a MEM4 card.

In the following example, extensions in node 200 need to call 3-digit extensions in node 300.

ACTION	DISPLAY
1. Open programming and select **824** Display shows access digit programmed in MMC 724 (e.g. 3)	01: 3 → SZ:0 MAX:00 MB:N
2. Dial entry number e.g. 01 OR Press VOLUME keys to select and press RIGHT soft key	01: 3 →_ SZ:0 MAX:00 MB:N
3. Dial digit string for access to node (e.g. 300) followed by the access digit ('3' in this example) (Press RIGHT soft key to move cursor to SZ field, if necessary)	01: 3 →3003 SZ:0 MAX:00 MB:N
4. Enter digit size: the number of digits the user will dial ('3' in this example, for 3-digit extension) OR Press VOLUME keys to select and press RIGHT soft key	01: 3 →3003 SZ:3 MAX:00 MB:N
5. Enter maximum digits to be dialled by system ('6' in this example—digit string for access, plus number of extension digits=300xxx) OR Press VOLUME keys to select and press RIGHT soft key	01: 3 →3003 SZ:3 MAX:06 MB:N

6. Press VOLUME keys to select whether to automatically assign a mailbox on the calling system node for this range of extensions (Y/N)

   (Requires SVMi Voice Mail card on calling system node)

   Press RIGHT soft key

```
01:  3      →3003
SZ:3  MAX:06   MB:Y
```

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data: **None**

Related Items: **MMC 710 LCR Digit Table**
MMC 724 Dial Numbering Plan
MMC 820 Assign System Link ID

MMC: 825 ASSIGN NETWORKING OPTIONS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with LAN interface only.)

Assigns the following networking options:

ADD NUMBER TO NAME	Include the extension number in the name field of Q-SIG message (select Yes/No).
USE REMOTE VM	Use remote VM (select Yes/No).
REMOTE VM NUMBER	Access number of remote VM when the remote VM is used (enter remote VM number).
REMOTE CID NUMBER	Select Yes/No.

ACTION	DISPLAY
1. Open programming and select **825** Display shows	ADD NUMB TO NAME YES
2. Press VOLUME keys to select option and press RIGHT soft key	USE REMOTE VM NO
3. Press VOLUME keys to select YES or NO and press RIGHT soft key	USE REMOTE VM YES
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:
ADD NUMB TO NAME: YES
USE REMOTE VM: NO
REMOTE VM NUMBER: None
REMOTE CID NUMBER: YES

Related Items:
MMC 710 LCR Digit Table
MMC 724 Dial Numbering Plan
MMC 820 Assign System Link ID

MMC: 826 ASSIGN SYSTEM CLOCK SOURCE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (*i*DCS500 systems only.)

The system clock may be synchronized with an external clock source from a TEPRI card or may use the internal clock source. In this MMC, you can select to use the internal clock source or assign the system clock source priority when the external clock source is used. Options are:

PRIORITY 1–3
C1: S1–S9, SELF
C2: S1–S9, SELF
C3: S1–S9, SELF

ACTION	DISPLAY
1. Open programming and select **826** Display shows	REFERENCE CLOCK PRIORITY 1:C1-S1
2. Dial priority number 1–9 (e.g. 2) OR Press VOLUME keys to select and press RIGHT soft key	REFERENCE CLOCK PRIORITY 2:C2-S2
3. Dial cabinet/slot option number 0–9 OR Press VOLUME keys to select and press RIGHT soft key	REFERENCE CLOCK PRIORITY 2:C2-S3
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **PRIORITY 1 C1–S1**
PRIORITY 2 C1–S2
PRIORITY 3 C1–S3

Related Items: **None**

MMC: 829 LAN PRINTER

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Allows you to view and set options for network printer(s). Up to eight (01–08) printers can be connected and configured here. Options for each printer are:

DATA TYPE	Displays setting of SIO port to which printer is attached, e.g. SMDR (see table, below)
CURR STATUS	Current status (read only)
EMPTY BUFF	Empty buffer on LAN/MEM4 card (Yes/No)
UPDATE LAN	Apply new values set in this MMC (Yes/No)
DESTINATION	PC/Printer/Both/None

The following options also appear but are currently not used:

PRINTER IP	Printer IP address
PRINTER TCP	Printer port number (5 digits)
LAN TCP	Port number of LAN/MEM4 card (5 digits)
RETRY COUNT	No. of retries to print (00–10)
RETRY WAIT	Wait time between retries (005–250 secs)
PJL ENABLE	True/False (to match printer)
LANGUAGE	RAW/PCL/PS (to match printer)
PAPER SIZE	A4/Letter
FONT TYPE	Courier/Times New Roman
DUPLEX ENAB	True/False (to match printer)
ORIENTATION	Portrait/Landscape
PRINT TRAY	Default/Tray 1/Tray 2/Manual
RESOLUTION	300/600 dpi
LINE/PAGE	Lines per page (00–99)

DATA TYPES AND PORT NUMBERS

DATA TYPE	PORT NO.
SMDR	5100
UCD REPORT	5101
TRAFFIC REPORT	5102
ALARM REPORT	5103
UCD VIEW	5104
PERIODIC UCD	5105
HOTEL REPORT	5106
PMS	5107

ACTION	DISPLAY
1. Open programming and select **829** Display shows printer data type, e.g. SMDR	[01] DATA TYPE SMDR
2. Dial printer number 01–08 (e.g. 02) OR Press VOLUME keys to select Press RIGHT soft key	[02] DATA TYPE UCD REPORT
3. Press VOLUME keys to select option (e.g. RETRY COUNT)	[02] RETRY COUNT 03
4. To change the value for selected option press RIGHT soft key, then enter new value using dial keypad or by scrolling with VOLUME keys Press RIGHT soft key	[02] RETRY COUNT 05
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

DATA TYPE:	**Setting of SIO port**
CURR STATUS:	**Current Status**
EMPTY BUFF:	**NO**
UPDATE LAN:	**NO**
DESTINATION:	**None**
PRINTER IP:	**200. 1. 1. 1**
PRINTER TCP:	**10010**
LAN TCP:	**10020**
RETRY COUNT:	**03**
RETRY WAIT:	**010 SEC**
PJL ENABLE:	**FALSE**
LANGUAGE:	**RAW**
PAPER SIZE:	**A4**
FONT TYPE:	**COURIER**
DUPLEX ENAB:	**FALSE**
ORIENTATION:	**PORTRAIT**
PRINT TRAY:	**DEFAULT**
RESOLUTION:	**300**
LINE/PAGE:	**60**

Related Items: None

MMC: 830 ETHERNET PARAMETERS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Assigns the Ethernet parameters for the LAN interface. If the LAN IP address, Subnet Mask or Gateway data are changed, the LAN card must be restarted to apply the changed items. The LAN MAC address is available to view only.

ACTION	DISPLAY
1. Open programming and select **830** Display shows	LAN : IP ADDRESS 10. 0. 0. 2
2. Press VOLUME keys to select option and press RIGHT soft key	LAN : SUBNET MASK 255. 255. 255. 0
3. Enter new data as required	
4. You are asked if you want to reset the card Press VOLUME keys to select YES and press RIGHT soft key	LAN : CARD RESET ARE YOU SURE?YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

LAN IP ADDRESS	**10. 0. 0. 2**	
LAN SUBNET MASK	**255.255.255.0**	
LAN GATEWAY	**10.0.0.1**	
LAN MAC.ADDR	**0000F03A07B9**	
PCMMC ADDRESS	**10.0.0.101**	**Not used**
REMOTE M/A ADDR	**10.0.0.102**	
TAPI SERVER ADDR	**10.0.0.103**	
TRACE ADDRESS	**10.0.0.116**	

Related Items: **None**

MMC: 831 VoIP PARAMETERS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with ITM3 card installed.)

Applies the Internet Protocol (IP) address to the ITM3 card. This MMC also assigns the number of channels that can be used for IP faxes. The CLIP tables allow the calling station number to be received at another ITM3 location. Options are:

IP ADDRESS Specifies the IP address for the ITM3 card. When changing the address, three digits must be entered for each field.

SUBNET MASK Specifies the IP subnet mask. When changing the address, three digits must be entered for each field.

GATEWAY Specifies the LAN gateway address when leaving the local network. When changing the address three digits must be entered for each field.

STS PERIOD Status Send Period designates the timed message cycle to check the remote IP status (Range: 00–60 sec.)

MAX FAX CH Maximum facsimile channels. Specifies the maximum number of ITM3 channels that will accept IP T.38 protocol IP facsimiles (max=8, default=0).

CLIP TABLE Calling Line Identification Presentation table. This provides the calling station number when calling from one ITM3 location to another. (Range=1–4 or NONE.) If set to NONE, the trunk number set in MMC 405 will be sent. Otherwise, the number set in MMC 323 will be sent.

VOIP MODE Three options are available:

FOLLOW DID TRANS (MMC 714)

FOLLOW INCOM DGT (follow incoming digit) or

FOLLOW TRK RING (MMC 406).

VERSION Displays the ITM3 card version number

ACTION	DISPLAY
1. Open programming and select **831** Display shows the first trunk on the ITM3 card.	[7001] IP ADDRESS 1. 1. 1. 1
2. Press RIGHT soft key to move cursor to IP address line	[7001] IP ADDRESS _1. 1. 1. 1
3. Enter new data as required Cursor return to top line	
4. Press VOLUME keys to select next option (Subnet Mask) and press RIGHT soft key	[7001] SUB MASK 255. 255. 255. 0
5. Enter new data as required Cursor return to top line	

6. Press VOLUME keys to select next option (Gateway), press RIGHT soft key and enter new data

   Repeat steps 4–6 for each remaining option

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:

IP ADDRESS	**: 1.1.1.1**
SUB MASK	**: 255.255.255.0**
GATEWAY	**: 1.1.1.1**
STS PERIOD	**: 00 SEC**
MAX FAX CH	**: 0**
CLIP TABLE	**: NONE**
VOIP MODE	**: FOLLOW DID TRANS**
VERSION	**: Version no.**

Related Items:

MMC 323 Send CLIP Number
MMC 405 Trunk Number
MMC 714 DDI Number and Name Translations
MMC 832 VoIP Code
MMC 833 VoIP IP Table
MMC 834 VoIP Option
MMC 835 VoIP DSP Option
MMC 836 VoIP GK Option

MMC: 832 VoIP CODE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (ITM3 card must be installed.)

Sets the ITM3 internal numbering plan for dialling and conversion.

ACCESS CODE	Once the ITM3 is accessed, the access code directs a call based on the routing tables. An access code table references an access code. Codes are a maximum of 8 digits. There are 63 access code entries (00–62)
CODE LENGTH	This field requests the number of digits (0–8) that are expected to be received to make up the access code
DEL LENGTH	The number of digits (0–8) to delete after receiving the access code. If no digits are deleted the access code will be sent as part of the call to the destination to continue routing at the destination
INSERT CODE	The code to insert for routing at the destination. This can be used when different numbering plans exist or if a 'dial 9' access is needed to be inserted in the dialled digits (max 8 digits)
IP TABLE 1	The first table referenced for routing the access code to an IP address. The system has 31 IP tables (00–30) with 32 entries (00–31) in each table.
IP TABLE 2	The second table (00–30) referenced as a look up for an IP address to route the call based on the access code.
IP START	This entry indicates where in a table to start looking for an IP code to associate with the access code. This can be used to manage where to start looking for an IP address in high traffic ITM3 applications. For example: if IP address routing to the desired destination is known to be in the last 7 entries of a table, the IP START location would be 25. IP address searching would start at entry 25.
GK USE	Connection through Gatekeeper (YES/NO).

ACTION	DISPLAY
1. Open programming and select **832** Display shows	(00) ACCESS CODE 0
2. Dial an entry number (e.g. 01) OR Press VOLUME keys to select and press RIGHT soft key	(01) ACCESS CODE 1
3. Press RIGHT soft key and enter access code (max 8 digits) and press RIGHT soft key	(01) ACCESS CODE 12345678
4. Press VOLUME keys to select next option (Code Length) and press RIGHT soft key	(01) CODE LENGTH 1
5. Enter Code Length (e.g. 8) and press RIGHT soft key	(01) CODE LENGTH 8

6. Press VOLUME keys to select next option (DEL. LENGTH), press RIGHT soft key and enter new data

   Repeat steps 4–6 for each remaining option

7. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

Default Data:

ACCESS CODE:	**00–09=digits 0–9; 10–62=None**
CODE LENGTH:	**1**
DELETE LENGTH :	**1**
INSERT CODE:	**None**
IP TABLE 1:	**00**
IP TABLE 2:	**None**
IP START:	**None**
GK USE:	**No**

Related Items:

MMC 831 VoIP Parameters
MMC 833 VoIP IP Table
MMC 834 VoIP Option
MMC 835 VoIP DSP Option
MMC 836 VoIP GK Option

MMC: 833 VoIP IP TABLE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with ITM3 card installed.)

This MMC provides the IP addresses in tables pointed to by the access code entry. There are 31 tables with up to 32 entries each. The destination IP address is required to route dialled digits based on the access code and digits dialled. The IP entry field is divided into four sections allowing modification of separate IP address fields.

Note: All IP address entries must 3-digit entries. For example: IP address 105.52.10.201 must be entered as 105.052.010.201.

ACTION	DISPLAY
1. Open programming and select **833** Display shows	TB(00) ENTRY(00) 1. 1. 1. 1
2. Dial table (TB) number (e.g. 01) OR Press VOLUME keys to select and press RIGHT soft key	TB(01) ENTRY(00) 1. 1. 1. 1
3. Dial table entry number (e.g. 01) OR Press VOLUME keys to select and press RIGHT soft key	TB(01) ENTRY(01) _ 0. 0. 0. 0
4. Enter IP address	TB(01) ENTRY(01) 105. 052. 010. 201
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **TB(00) ENTRY(00)=1.1.1.1**
Others=0.0.0.0

Related Items:
MMC 831 VoIP Parameters
MMC 832 VoIP Code
MMC 834 VoIP Option
MMC 835 VoIP DSP Option
MMC 836 VoIP GK Option

MMC: 834 VoIP OPTION

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with ITM3 card installed.)

Provides various VoIP support options. *The options set in this MMC are system wide.*

H.323 FAST START SETUP	Enables or disables the H.323 Fast Start call method.
GATEWAY CALL ID	A numeric entry that identificaties the system via the ITM3 connection. Maximum entry is four digits.
BILLING TYPE	Standard.
CALLER ID TYPE	This option controls the calling party identification type. There are three possible selections: ANI which shows the calling station number when the call is an ITM3 to ITM3 call; IP which shows the calling ITM3 IP address; and GW (Gateway) ID which is a 4-digit pre-programmed ID.
INCOMING CHANNEL	Selects whether the incoming channel is Sequential or Distributed.
DTMF GENERATION	Allows four different transport types of DTMF: In-band, Q931, H.245 Signal, and H.245 Numeric.
FAX SIGNAL TYPE	Selects the facsimile standard to use when transporting faxes via the ITM3. Selections are T.38 or the proprietary Samsung formats. Default is T.38.
SWITCH TO H.245	Enables switching to the H.245 protocol at the time of Fast Start
DEFAULT DIL NO.	Allows programming of the default DIL number when digits are not included on an incoming call.
SIGNALLING PORT	Indicates the port number for H.323 signalling and sets a range of numbers allowed by firewall equipment. The IP path or port used is 10000.
STATUS PORT	Port number for the exchange of status information between ITM3 cards. The IP path or port used in 20000.
WCS PORT	Proprietary Samsung Web Call Service. The IP path or port used is 20010.
SIGK ACCESS PORT	Samsung Internet Gatekeeper. The IP path or port used is 20020.
MAKE DEFAULT DB	This option permits defaulting of the ITM3 card program parameters. *CAUTION: This option is system wide and defaults all ITM3 cards in the system!* Card must be restarted to take affect.
EARLY H245 MODE	Set to YES if H.323 FAST START SETUP is enabled.
RING BACK TONE	Generates Ring Back tone. 0 DISABLE: Do not use Ring Back tone 1 SETUP: Use Ring Back tone when sending set-up 2 ALERT: Use Ring Back tone when receiving Alert
Q931 NO ANS TIME	Timer used to disconnect call on no answer.
ISP TYPE	Used when connecting to ITSP (NORMAL / UNITEL / RUSSIA)
FACILITY TYPE	NORMAL / NO REQ

ACTION	DISPLAY
1. Open programming and select **834** Display shows	H.323 FAST SETUP ENABLE
2. Press RIGHT soft key Press VOLUME keys to select ENABLE/DISABLE and press RIGHT soft key	H.323 FAST SETUP ENABLE
3. Press VOLUME keys to select next option and press RIGHT soft key	GATEWAY CALL ID 1234
4. Enter required data and press RIGHT soft key Repeat steps 3–4 for each option as required	
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

H.323 FAST SETUP: DISABLE
GW CALL ID: 1234
BILLING TYPE: STANDARD
CALLER ID TYPE: ANI
INCOMING CHANNEL: DISTRIBUTE
DTMF GENERATION: H.245 SIGNAL
FAX SIGNALLING TYPE: T.38
SWITCH TO H.245: ENABLE
DEFAULT DIL: None
SIGNALLING PORT: 10000
STATUS PORT: 20000
WCS PORT: 20010
SIGK ACCESS PORT: 20020
MAKE DEFAULT DB: NO
EARLY H245 MODE: YES
RING BACK TONE: DISABLE
Q931 NO ANS TIME: 090 SEC
ISP TYPE: NORMAL
FACILITY TYPE: NORMAL

Related Items:

MMC 831 VoIP Parameters
MMC 832 VoIP Code
MMC 833 VoIP IP Table
MMC 835 VoIP DSP Option
MMC 836 VoIP GK Option

MMC: 835 VoIP DSP OPTION

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with ITM3 card installed.)

Provides various VoIP DSP options. *The options set in this MMC are system wide.*

AUDIO CODEC	Selects which audio codec compression to use. Selections are G.711 (64K), G.723.1 (6.4K), G.729A (8K) and G.729.
ECHO CANCEL	Enables or disables echo cancellation (0: disable, 1:enable). This function removes echo that is generated by voice reflection and packet delay.
SILENCE SUPPRESS	Determines whether silence suppression is used (0: disable, 1: enable). This prevents transmission during the silence period of a call.
INPUT FILTER	Selects input filtering of the DSP (0: disable, 1: enable). This should be set to ON.
OUTPUT FILTER	Selects output filtering of the DSP (0: disable, 1: enable). This should be set to ON.
INPUT GAIN	PCM input gain value of DSP. The range is -31dB to 31dB (0–63). This sets the volume of PCM voice from the VOIP DSP to the site.
VOICE VOLUME	Selects the voice volume. The range is -31dB to 31dB (0–63).
MULTIFRAME COUNT	This option selects the number of frames the ITM3 will consolidate in the packet message. The voice packets are buffered to the set number and sent as a single packet. The range is 1–12.
JITTER OPTION	Selects the dynamic jitter specific value. Value determines whether the focus is on packet loss or packet delay. The range is 00–12.
RTP DELAY LIMIT	Value of the delay limit. The status will change when this limit is exceeded. The value is measured in milliseconds (ms). This is used to determine network error.
RTP LOSS LIMIT	Value of the loss limit value. The status will change when this limit is exceeded. The value is measured in percent (%). The range is 00–25 %. This is used to determine network error.
RTP CHECK PERIOD	Packet loss estimated base period measured in seconds. The range is 00–25 seconds. This is used to determine network error.
RTP OVER COUNT	Limit/loss limit excess count. The range is 0–3. This is used to determine network error.
MAX JITTER DELAY	Sets maximum value for jitter buffer.
MIN JITTER DELAY	Sets minimum value for jitter buffer.
DTMF TRANS ROUTE	Enabled/Disabled
FAX ERROR CORRECT	Yes/No

ACTION	DISPLAY
1. Open programming and select **835** Display shows	AUDIO CODEC G.723.1
2. Press VOLUME keys to select option (e.g. ECHO CANCEL) and press RIGHT soft key	ECHO CANCEL ENABLE
3. Press VOLUME keys to select enable/disable and press RIGHT soft key	ECHO CANCEL DISABLE
4. Repeat steps 2–3 for each option as required (to enable/disable or enter value)	
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

AUDIO CODEC:	**G.723.1**
ECHO CANCEL:	**ENABLE**
SILENCE SUPPRESS:	**ENABLE**
INPUT FILTER:	**ENABLE**
OUTPUT FILTER:	**ENABLE**
INPUT GAIN:	**31**
VOICE VOLUME	**31**
MULTI FRAME COUNT:	**02**
JITTER OPTION:	**04**
RTP DELAY LIMIT:	**500**
RTP LOSS LIMIT:	**10 %**
RTP CHECK PERIOD:	**30 SEC**
RTP OVERCOUNT LIMIT:	**1**
MAX JITTER DELAY:	**150 mS**
MIN JITTER DELAY:	**070 mS**
DTMF TRANS ROUTE:	**ENABLE**
FAX ERROR CORRECT:	**ENABLE**

Related Items:

MMC 831 VoIP Parameters
MMC 832 VoIP Code
MMC 833 VoIP IP Table
MMC 834 VoIP Option
MMC 836 VoIP GK Option

MMC: 836 VoIP GK OPTION

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with ITM3 card installed.)

Sets the ITM3 Gatekeeper options for identification to a network Gatekeeper. The setting are selectable for each ITM3 card installed.

GK CONNECT	Determines if the ITM3 is to connect to a Gatekeeper. The option are disable or enable.
GK TYPE	Determines if connected to a Samsung SIGK or other type of Gatekeeper.
GK IP ADDR	The Gatekeeper's IP address.
GK NAME	Name identifier of the Gatekeeper. The name comprises nine alphanumeric characters with a space followed by a Gatekeeper identifier (up to 16 characters).
GW: H.323 ID	The H.323 identifier of the ITM3 that is registered with the Gatekeeper (up to 16 characters).
GW: E164 NO	The E.164 identifier of the ITM3 that is registered with the Gatekeeper (up to 16 digits).
RAS MANUAL	Selects automatic or manual registration of Gatekeeper.
GK ROUTING	Selects if Gatekeeper is routing call.

ACTION	DISPLAY
1. Open programming and select **836** Display shows	[7001]GK CONNECT G.723.1
2. Press VOLUME keys to select ITM3 card and press RIGHT soft key	[7001]GK CONNECT G.723.1
3. Press VOLUME keys to select option and press RIGHT soft key	[7001]GK TYPE SIGK
4. Press VOLUME keys to select option and press RIGHT soft key	[7001]GK TYPE OTHER SIGK
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data:

GK CONNECT:	**DISABLE**
GK TYPE:	**SIGK**
GK IP ADDR:	**0.0.0.0**
GK NAME:	**None**
GW:H.323 ID:	**None**
GW:E164 NO:	**None**
RAS MANUAL:	**DISABLE**
GK ROUTING:	**DISABLE**

Related Items:

MMC 831 VoIP Parameters
MMC 832 VoIP Code
MMC 833 VoIP IP Table
MMC 834 VoIP Option
MMC 835 VoIP DSP Option

MMC: 850 SYSTEM RESOURCE DISPLAY

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (This is a read-only MMC.)

Displays used and free resources. Options are:

0. DTMFR DSPs
1. CID DSPs (*i*DCS500 only)
2. R2MFC DSPs (*i*DCS500 only)
3. CONF GROUPS

ACTION

1. Open programming and select **850**
   Display shows

2. Press VOLUME keys to select option

3. Press Transfer/TRSF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC

DISPLAY

```
DTMFR DSP'S
USE:000  FREE:032
```

```
CID DSP'S
USE:000  FREE:000
```

Default Data: **None**

Related Items: **None**

MMC: 851 ALARM REPORT

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with LAN interface only.)

Views, stores, prints or clears system alarms. Two levels of faults are displayed: major alarms and minor alarms. Major alarms are usually service-affecting and require a certified technician to determine the fault. A minor alarm indicates a fault that may or may not be service-affecting and usually does not seriously degrade the system's operating capabilities. The alarm buffer will hold up to 100 alarms on a first in/first out (FIFO) basis.

Alarms provide a date and time stamp based on the system time. If applicable, the hardware cabinet, port, and/or slot will be displayed. If an ALARM I/O port is programmed in MMC 804, alarm information can be printed on demand and also as alarm information is provided.

ALARM REPORTING OPTIONS

VIEW ALARM	View alarm buffer (see Alarm Code Table, below)	
OVERFLOW CONTROL:	**– OVERWRITTEN:**	When buffer is full, the oldest entry in buffer overwritten.
	– STOP RECORDING:	When buffer is full, stop recording alarms.
CLEAR ALARM BUF	Clears alarm buffer.	
PRINT ALARM BUF	Prints contents of alarm buffer to the assigned alarm I/O port.	

Procedure to View Alarms

ACTION	DISPLAY
1. Open programming and select **851** Display shows	SYS ALARM REPORT VIEW ALARMS
2. Press VOLUME keys to select	[00] 10/23 12:27 MJC14 C1–S10
3. Press VOLUME keys to select alarm e.g. 01 Displays date and time (C=cabinet S=slot P=port)	[01] 10/23 12:27 MJC14 C1–S10
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Procedure to Print or Clear Alarms

ACTION	DISPLAY
1. Open programming and select **851** Display shows	SYS ALARM REPORT VIEW ALARMS
2. Press VOLUME keys to select CLEAR or PRINT	SYS ALARM REPORT CLEAR ALARM BUF
3. Press RIGHT soft key	SYS ALARM REPORT ARE YOU SURE:NO
4. Press VOLUME keys to select YES/NO and press RIGHT soft key	SYS ALARM REPORT ARE YOU SURE:YES
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Alarm Buffer Overwritten**

Related Items: **MMC 852 Assign System Alarms**

ALARM CODE TABLE
(Your system may not support all the codes listed here.)

ALM CODE	ALARM	DEFINITION
MJA01	POR Restart	MCP restart process has been executed via power on restart (POR).
MJA02	Soft Restart	MCP restart process has been executed via button reset.
MJA03	Mem Reset	The system RAM has been cleared via manual programming (PCMMC or KMMC) resulting in a system reset.
MJA04	MCP Reset	The MCP has reset. Alarm data = Reason - BUS ERR: Restart Bus Error - ADDR.ERR: Restart Address Error - ILLEGAL: Restart Illegal opcode - ZERO DIVID: Restart Zero divide - PRIVILEGE: Restart Privilege Violation - VECTOR 1: Restart Auto Vector Level 1 - DTACK RD: Restart Auto Vector Level 2 - DTACK WR: Restart Auto Vector Level 3 - VECTOR 4: Restart Auto Vector Level 4 - VECTOR 5: Restart Auto Vector Level 5 - VECTOR 6: Restart Auto Vector Level 6 - WR PROTECT: Restart Auto Vector Level 7 - ENDL LOOP: Restart Endless Loop
MJA05	LCP Reset	The SCP or LCP has reset Alarm data = Cabinet (1, 2 or 3)
MJB02	Memory Alarm 1	A RAM diagnostic check error has occurred in the MCP.
MJB03	Memory Alarm 2	A RAM diagnostic check error has occurred in the SCP.
MJB04	Memory Alarm 3	A RAM diagnostic check error has occurred in the LCP 1.
MJB05	Memory Alarm 4	A RAM diagnostic check error has occurred in the LCP 2.

ALM CODE	ALARM	DEFINITION
MJB06	IPC MSGQ Over	IPC TX queue full error has occurred in the MCP. Alarm data = IPC Queue type (MCP-LAN, MCP-SCP, MCP-LCP1, MCP-LCP2)
MJB06	IPC MSGQ Under	IPC TX queue under error has occurred in the MCP. Alarm data = IPC Queue type (MCP-LAN, MCP-SCP, MCP-LCP1, MCP-LCP2)
MJB07	Task MSGQ Over	Task MSG queue full error has occurred in the MCP. Alarm data = Error Task Kind (CNFG, ERRH, NPER, MSGH, DIGH, SMART, CALL, PPER, SMDR, TMMC, IDLE)
MJB07	Task MSGQ Under	Task MSG queue under error has occurred in the MCP. Alarm data = Error Task Kind (CNFG, ERRH, NPER, MSGH, DIGH, SMART, CALL, PPER, SMDR, TMMC, IDLE)
MJC01	DTMF Fault	An abnormal interrupt has occurred in the system DTMF resources. Alarm data = DTMF Receiver number (BASE, MISC)
MJC02	Tone Fault	An abnormal interrupt has occurred in the system tone resources, ie busy, ringback, error, no more calls etc. Alarm data = TONE Receiver number (BASE, MISC)
MJC10	AA-DTMF Fault	An abnormal fault reported in one of the systems AA card DTMF resources. Alarm data = Cabinet, Slot, Port (Cx–Syy-Pzz)
MJC11	AA-MFR Rec	An abnormal fault reported in one of the systems AA card DTMF resources has recovered. Alarm data = Cabinet, Slot, Port (Cx–Syy-Pzz)
MJC12	E911 Restart	The E911 card has restarted. Alarm data = Cabinet, Slot (Cx–Syy)
MJC13	E911 Block	The E911 card has restarted because the system detected the card does not work correctly. Alarm data = Cabinet, Slot (Cx–Syy)
MJC14	VoIP Restart	The ITM3 card has restarted. Alarm data = Cabinet, Slot (Cx–Syy)
MJC15	VoIP Block	The ITM3 card has restarted because the system detect the card does not work correctly. Alarm data = Cabinet, Slot (Cx–Syy)
MJD01	Sync Failure	Clocking on TEPRI cards has become asynchronous.
MJD02	Sync Recovery	Clocking on TEPRI cards has become synchronous.
MJD03	Red Alarm	Locally detected loss of PCM carrier on TEPRI card for more than 250 ms. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD04	Red Alarm Rec	PCM carrier detected locally on TEPRI cards. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on TEPRI card. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on TEPRI card. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD07	Blue Alarm	All 1's being transmitted on facility on TEPRI card. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. Alarm Data = Cabinet, Slot (Cx-Syy)

ALM CODE	ALARM	DEFINITION
MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds 1x10-6 errors. Note: 1x10-6 is threshold for minor alarm, 1 x 10-3 is threshold for major alarm errors on E1, PRI or BRI. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD10	NTWRK Event	An Implausible event has occurred on the PRI or BRI Network digital line. Protocols do not match or subscriber ID mismatch. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD11	SPID Init Error	The BRI received an error from the network Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD12	SPID Init Rec	The BRI has recovered from an error on the network Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD13	LPBK Error	Internal on-demand loopback failed. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD14	LPBK Recovery	Internal on-demand loopback test passed. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD15	BRI DL Unavail	A BRI data link is out of service. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD16	BRI DL Recovery	A BRI data link is back in service. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD17	RAM Error	An error has occurred in the TEPRI or BRI card RAM. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD18	E1 Restart	The E1 card has restarted Alarm Data = Cabinet, Slot (Cx-Syy)
MJD19	PRI Restart	The PRI card has restarted Alarm Data = Cabinet, Slot (Cx-Syy)
MJD20	BRI Restart	The BRI card has restarted Alarm Data = Cabinet, Slot (Cx-Syy)
MJD21	PCM Loss	Loss of PCM coding on a digital facility. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD22	PCM Recovery	Recovery of PCM coding on a digital facility. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF01	Card Out	A circuit card mounted in a universal slot has been removed from service or is not recognized by the system Alarm Data = Cabinet,Slot (Cx-Syy)
MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF03	IPC Error	Inter processor communication error has occurred. Alarm Data = Cabinet-Slot (Cx-Syy)
MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF05	Trunk Recovery	Out of service trunk detected via loop detected as out of service is now operational. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)

ALM CODE	ALARM	DEFINITION
MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF08	SIO TxQ Over	SIO Tx Queue full error has occurred in the MCP. Alarm Data = SIO number (SIO:x)
MNF09	SIO TxQ Under	SIO Tx Queue under error has occurred in the MCP. Alarm Data = SIO number (SIO:x)
MNF10	E1 Out Of Srv	E1 Digital line status has been changed to out of service. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF11	E1 In Service	E1 Digital line has been restored to normal service. Alarm Data = Cabinet,Slot (Cx-Syy)
MNF12	SIO Out	IO port has lost DTR Alarm Data = SIO number (SIO:x)
MNF13	SIO In	IO port has regained DTR. Alarm Data = SIO 1 through 3
MNF14	TODC Error	Time of Day Clock in the MCP has erred.
MNF15	TSW Over Alarm	TSW has been requested to exceed the capacity of available time slots. Maximum 192 per cabinet. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF16	PSU Alarm	Indicates there are over 56 ports in a cabinet with a single PSU and more power is required. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF17	PSU Alarm Rec	A second PSU has been recognized when added after alarm condition of: Alarm Data = Cabinet, Slot (Cx-Syy)
MNF18	SLI Fault	An SLI card has been detected as out of service via an internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF19	SLI Recovery	An SLI card detected as out of service has been detected as recovered and is in service via internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF20	PSUB Alarm	Indicates there are over 120 ports in a cabinet with two PSUs. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF21	DSS Alarm	System capacity of 64-button DSS modules has been exceeded.
MNF22	Phone Disconnect	Indicates the Keyset is disconnected. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF23	Phone Connect	Indicates the Keyset is connected. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF24	NOT USED	FUTURE USE
MNF25	NOT USED	FUTURE USE
MNF26	SIO RxQ Over	SIO Rx Queue full error has occurred in the MCP. Alarm Data = SIO number (SIO:x)
MNF27	SIO RxQ Under	SIO Rx Queue under error has occurred in the MCP. Alarm Data = SIO number (SIO:x)

MMC: 852 ASSIGN SYSTEM ALARMS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with LAN interface only.)

Assigns system alarms to ring and display on stations that have a System Alarm key programmed in MMC 722. System Alarm key programming is tenant-wide on *i*DCS500 systems (tenants 1 and 2). Alarms not programmed to report to the System Alarm key will still be retained in the maintenance alarm buffer for alarm reporting (MMC 851).

The alarm buffer holds up to 100 alarms on a First In/First Out (FIFO) basis. Pressing the System Alarm key and the ANS/RLS key will silence the audible alarm until another alarm is generated by the system. Alarm conditions that have multiple causes (e.g. E1 errors and synchronization loss) will print all associated alarm information if an SIO port is programmed as an ALARM port in MMC 804. The specific fault alarm data can be displayed via MMC 851.

Note: Alarm Notification Off/On (0/1) determines if the alarm provides a visual and audible notification to the System Alarm key station(s). Pressing the System Alarm key and the ANS/RLS key will silence the audible alarm only at the station at which these keys were pressed.

Refer to the Alarm Code Table in MMC 851. Codes MJA01 to MNF27 are designated numbers 01–87 respectively in MMC 852, and each is selectable ON/OFF.

ACTION	DISPLAY
1. Open programming and select **852** Display shows	01:MJA01 ACT:OFF POR Restart
2. Press VOLUME keys to select alarm number and press RIGHT soft key	01:MJA01 ACT:OFF POR Restart
3. Press VOLUME keys to select alarm ON/OFF (e.g. ON) and press RIGHT soft key	01:MJA01 ACT:ON POR Restart
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All alarms OFF**

Related Items

MMC 501 System Timers
MMC 722 Station Key Programming
MMC 723 System Key Programming
MMC 851 Alarm Report
MMC 853 Maintenance Busy

MMC: 853 MAINTENANCE BUSY

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems only.)

Puts stations, trunks and common resource equipment in a 'maintenance busy' condition. This can be used to isolate suspected intermittent problem equipment. A station placed in maintenance busy will behave like a station in DND when called. The station's display and any calling station's display (if equipped) will show "MADE BUSY". Stations receiving DDI or E&M type calls will receive a DND/No more calls tone. The station display will still function with station name, time and date. When a busy station is called, it will function like a locked-out station. Trunks made busy cannot originate calls. Ringdown type trunks will still ring the programmed destination. Common resource equipment such as DSPs and CID DSPs, and miscellaneous equipment such as page ports, AA ports or voice mail card ports, can also be placed in a maintenance busy state.

MAINTENANCE BUSY OPTIONS

0. TRK = Trunks
1. STN = Stations
2. PAGE = Page Ports
3. AA = Auto Attendant card ports
4. DTMFR = DTMF Receiver (4 / DSP)
5. CID = CID Receiver (14 / DSP) (*i*DCS500 only)
6. R2MFC = R2MFC Receiver (8 / DSP) (*i*DCS500 only)
7. CONF = GRP #01–24 (*i*DCS500) or #01–06 (*i*DCS100)

Selectable states are 0:Idle and 1:Busy. (Display will show IDLE if an option—e.g. CID DSP—is not available.)

ACTION	DISPLAY
1. Open programming and select **853** Display shows	MAINTENANCE BUSY TRK :NONE →
2. Press VOLUME keys to select option (e.g. STN) and press RIGHT soft key	MAINTENANCE BUSY STN :NONE →
3. Press VOLUME keys to select alarm ON/OFF (e.g. OFF) and press RIGHT soft key	MAINTENANCE BUSY STN :211 →IDLE
4. Dial 0 or 1 for IDLE/BUSY (e.g. BUSY) OR Press VOLUME keys to select and press RIGHT soft key	MAINTENANCE BUSY STN :211 →BUSY
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All IDLE**

Related Items: **MMC 851 Alarm Report**
MMC 852 Assign System Alarms

MMC: 854 DIAGNOSTIC TIME

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with LAN interface only.)

Sets the Diagnostic Time. The system diagnostics tests include memory audits, internal loop-back tests on digital trunks, and DSP and AA DSP tests. Additional tests include CO-DEC tests on analogue trunk and station cards and tone tests. If the diagnostics cannot complete the tests because of system traffic, the system will abort the test and retry during the next programmed diagnostic time. It is recommended that you assign the diagnostic time during non-peak traffic periods.

DIAL PAD DAY SELECTION

0= Sunday
1= Monday
2 = Tuesday
3 = Wednesday
4 = Thursday
5 = Friday
6 = Saturday

ACTION	DISPLAY
1. Open programming and select **854** Display shows	DIAGNOSTIC TIME SUN: :
2. Dial day selection 0–6 (e.g. MON) OR Press VOLUME keys to select day and press RIGHT soft key	DIAGNOSTIC TIME MON: _ :
3. Enter hour in 24-hour clock format (e.g. 23 is 11pm)	DIAGNOSTIC TIME MON: 23 :_
4. Enter minutes in 24-hour clock format (e.g. 30) (In this example, testing will start at 11.30pm on Monday) System returns to step 2	DIAGNOSTIC TIME MON: 23 :30
5. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 852 Assign System Alarms**

MMC: 855 SYSTEM OPTIONS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (This is a read-only MMC for *i*DCS500 systems only.)

Displays the common hardware installed in the system, including processor cards and daughterboards. This enables the technician to review the available hardware without having to dismantle or power down the system to confirm if the hardware is installed.

***i*DCS500 'L'**

Display	Description
MCP D-BD 1	Shows MCP daughterboard #1
MCP D-BD 2	Shows MCP daughterboard #2
MCP D-BD 3	Shows MCP daughterboard #3
MCP SW	Shows DIP switch status of MCP
C1 POWER-B	Shows second power supply in Cabinet #1 (yes/no)
SCP D-BD 1	Shows SCP daughterboard #1
SCP D-BD 2	Shows SCP daughterboard #2
SCP D-BD 3	Shows SCP daughterboard #3
LCP1 ONLINE	Shows connection status of LCP1
C2 POWER-B	Shows second power supply in Cabinet #2 (yes/no)
LCP1 D-BD 1	Shows LCP1 daughterboard #1
LCP1 D-BD 2	Shows LCP1daughterboard #2
LCP1 D-BD 3	Shows LCP1 daughterboard #3
LCP2 ONLINE	Shows connection status of LCP2
C3 POWER-B	Shows second power supply in Cabinet #3 (yes/no)
LCP2 D-BD 1	Shows LCP2 daughterboard #1
LCP2 D-BD 2	Shows LCP2 daughterboard #2
LCP2 D-BD 3	Shows LCP2 daughterboard #3
CxSy VPM	Shows VPM board status of Voice Mail card.
CxSy SW	Shows DIP switch status of TEPRI card.

***i*DCS500 'M'**

Display	Description
MCP D-BD 1	Shows MCP daughterboard #1
MCP D-BD 2	Shows MCP daughterboard #2
MCP D-BD 3	Shows MCP daughterboard #3
C1 POWER-B	Shows second power supply in Cabinet #1 (yes/no)
CxSy VPM	Shows VPM board status of Voice Mail card.
CxSy SW	Shows DIP switch status of TEPRI card.

ACTION	DISPLAY
1. Open programming and select **855** Display shows In this example, daughterboard 1 on the MCP card is an ESM card	SYSTEM OPTIONS MCP D–BD 1 :ESM
2. Press VOLUME keys to scroll through options	SYSTEM OPTIONS MCP D–BD 2 :IPM
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **None**

MMC: 856 PROGRAMMING LOGS

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with LAN interface only.)

Lists the date, time and entry location of the last eight technician-level and customer-level programming accesses. This allows you to determine if there was unauthorised access to system programming and where this access occurred.

There are four types of access location information:

NNN(N) The extension number of a keyset that accessed programming (e.g. 211)

MODEM Indicates that programming was accessed by PCMMC via the integrated V90 modem attached to the IOM board (*i*DCS500) or MISC card (*i*DCS100).

LAN Indicates that programming was accessed by PCMMC via the LAN connection on the IOM board (*i*DCS500) or MEM4 card (*i*DCS100).

SIOx Indicates that programming was accessed by PCMMC via one of the SIO connections on the IOM board (*i*DCS500) or MISC / MEM4 card (*i*DCS100), where x is the number (1–4) of the SIO port that was used.

ACTION	DISPLAY
1. Open programming and select **856** Display shows entry (1) with the start programming time and date (MM/DD/HH/MM) on the top line and the access location (e.g. station 211) and end date and time of programming on the lower line	(1) 10/14 10.17 → 211 : 10/14 10.18
2. Press VOLUME keys to scroll through options 1–8	(2) 10/24 14.17 → 211 : 10/24 14.18
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **None**

Related Items: **MMC 200 Open Customer Programming**
MMC 800 Enable Technician Program

MMC: 858 ASSIGN SYSTEM EMERGENCY ALARM

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: (*i*DCS systems with LAN interface only.)

Assigns the alarms to be sent to the Remote M&A (remote maintenance and administration) PC via the LAN interface. Options are selectable ON/OFF.

Refer to the Alarm Code Table in MMC 851. Codes MJA01 to MNF27 are designated numbers 01–87 respectively in MMC 858, and each is selectable ON/OFF.

ACTION	DISPLAY
1. Open programming and select **858** Display shows	01:MJA01 ACT:OFF POR Restart
2. Press VOLUME keys to select alarm number and press RIGHT soft key	01:MJA01 ACT:OFF POR Restart
3. Press VOLUME keys to select alarm ON/OFF (e.g. ON) and press RIGHT soft key	01:MJA01 ACT:ON POR Restart
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **All alarms OFF**

Related Items: **MMC 851 Alarm Reporting**
MMC 852 Assign System Alarms

MMC: 859 HARDWARE VERSION DISPLAY

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✗

Purpose: (This is a read-only MMC for *i*DCS500 systems only.)

Displays system hardware EPLD versions.

***i*DCS500 'L'**

Display	Description
MCP CARD	Shows MCP card version
MCP B1	Shows MCP daughterboard #1 version
MCP B2	Shows MCP daughterboard #2 version
MCP B3	Shows MCP daughterboard #3 version
C1 M-BOARD	Shows motherboard version
SCP B1	Shows SCP daughterboard #1 version
SCP B2	Shows SCP daughterboard #2 version
SCP B3	Shows SCP daughterboard #3 version
C2 M-BOARD	Shows motherboard version
LCP1 B1	Shows LCP1 daughterboard #1 version
LCP1 B2	Shows LCP1 daughterboard #2 version
LCP1 B3	Shows LCP1 daughterboard #3 version
C3 M-BOARD	Shows motherboard version
LCP2 B1	Shows LCP2 daughterboard #1 version
LCP2 B2	Shows LCP2 daughterboard #2 version
LCP2 B3	Shows LCP2 daughterboard #3 version

***i*DCS500 'M'**

Display	Description
C2 M-BOARD	Shows motherboard version
MCP CARD	Shows MCP card version
MCP B1	Shows MCP daughterboard #1 version
MCP B2	Shows MCP daughterboard #2 version
MCP B3	Shows MCP daughterboard #3 version

ACTION	DISPLAY
1. Open programming and select **859** Display shows	H/W EPLD VERSION MCP CARD :V03
2. Press VOLUME keys to scroll through options	H/W EPLD VERSION MCP B1 :ESM :V01
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **Hardware versions**

Related Items: **None**

MMC: 860 UCD VIEW SERVICE

DCS	✗	CI	✗	CII	✗	816	✗	408	✗	408i	✗	*i*DCS500	✓	*i*DCS100	✓

Purpose: Determines the information to send in real time to the SIO port regarding the UCD queue status or UCD agent status.

The options are: UCD VIEW SERVICE (enable/disable) and SEND AGENT STATE (yes/no).

Note: To use this information, a special PC application is needed. This is not supplied by Samsung.

ACTION	DISPLAY
1. Open programming and select **860** Display shows	UCD VIEW SERVICE DISABLE
2. Press VOLUME keys to select option (e.g. SEND AGENT STATE) and press RIGHT soft key	SEND AGENT STATE YES
Press VOLUME keys to select Yes/No and press RIGHT soft key	SEND AGENT STATE NO
3. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

Default Data: **UCD VIEW SERVICE: DISABLE**
SEND AGENT STATE: YES

Related Items: **None**

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