

# DCS-408/DCS-408i Digital Keyphone System

## Programming Guide

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The DCS-408/DCS-408i digital keyphone system can easily change system settings by using the keyset. An MMC (Man Machine Code) is a program, which sets up the system according to your needs. This chapter explains how to use a keyphone MMC program. It consists of four parts as follows.

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

## Introduction to Programming

An MMC program is a program to change the value of data which the system operating program uses. There are three levels of MMC program: technician (or system), customer and station levels. Technician and customer level programs require passcodes before they can be used to make changes, but station level programs do not.

### Technician (System) level program

This level can access all MMCs for programming. Any station within the system can be used for programming, but programming should only be done on one station at a time.

### Customer level program

This level can access only those programs that the technician has set up in MMC 802 (Customer Access MMC Number). Any station can be used for programming, but programming should only be done on one station at a time.

### Station level program

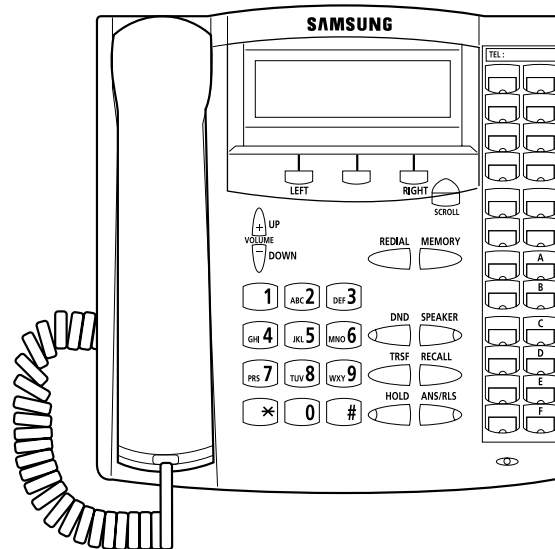
This level can only access programs which do not require a passcode.

# Precautions Before Starting Programming

This section explains how to use the keyset buttons and what precautions to take before starting an MMC program.

## The Function of Keyset Buttons

The DCS-408/DCS-408i digital keyphone system can be connected to digital keyset as follows.



The first button among the three soft buttons below the LCD denotes 'LEFT'. This button is used to save the changed data while programming, or to move the cursor to the left on the LCD.

The third button among the three soft buttons denotes 'RIGHT'. This button is used to save the changed data while programming, or to move the cursor to the right .

The last six buttons among those buttons available for programming represent 'A' ~ 'F'. They are used for specific purposes while programming. For general use, they fulfill specific functions which the user has allocated to each button.

- The UP and DOWN volume keys are used to scroll through available options.
- The SPK key is used to save data and allow you to start a new MMC.
- The TRSF key is used to save data and exit programming mode.

The functions of other buttons used when MMC programming are as follows.

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

## Precautions When Programming

- Programming is available only when the phone is properly hung up.
- Programming is available on any station (digital telephone).
- Programming is available only on digital telephones not on analog ones.
- If using digital telephones without an LCD you don't use the [▲ ▼] button. You can dial numbers specified in this user guide but some programs are unavailable because your digital telephone is without soft buttons. Therefore, in using telephones without an LCD you can only use customer level programs.
- 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 changes the display for the next step.
- Programming halts if you have not pressed a button for a certain period of time (30 seconds by default).
- Programming halts if you pick up the handset whilst programming.
- If you press the [SPK] or [TRSF] key without entering the changed data to confirm (press the left key from the soft button and the right key) or you pick up the handset to have programming process stopped or the telephone plug is pulled out, newly entered data are saved as the same data seen in the LCD.

# Programming Procedures

The DCS-408/DCS-408i digital keyphone system can be connected to digital keysets as follows. This section explains the programming procedure to follow before you begin to use the MMCs as described in the next section.

The programming procedure is as follows.

## 1. Make system available for programming.

- ① Press [TRSF] button when the program is on pause.
- ② Enter the MMC program number 200 (for system level programming) or 800 (for technician level programming).
- ③ Enter the system-level passcode or the technician-level passcode.
- ④ Press the dial button '1' and make the programming mode 'ENABLE'.

## 2. Prepare to select the program number.

Press [SPK] button to have the program selection mode appear.

Or

press [TRSF] button to halt programming.

## 3. Select the program.

Enter the program number.

Or

select the program number with the [UP] or [DOWN] button and press the [SPK] button.

Or

in the state of pause press [TRSF] button and enter the program number.

## 4. Start programming.


# Programming LIST

100	STATION LOCK	121	KEYSET LANGUAGE
101	CHANGE USER PASSCODE		
102	CALL FORWARD	200	OPEN CUSTOMER PROGRAMMING
103	SET ANSWER MODE	201	CHANGE CUSTOMER PASSCODE
104	STATION NAME	202	CHANGE FEATURE PASSCODES
105	STATION SPEED DIAL	203	ASSIGN UA DEVICE
106	STATION SPEED DIAL NAME	204	COMMON BELL CONTROL
107	KEY EXTENDER	205	ASSIGN LOUD BELL
108	STATION STATUS	206	BARGE-IN TYPE
109	DATE DISPLAY	207	ASSIGN VM/AA PORT
110	STATION ON / OFF	208	RING TYPE
111	KEYSET RING TYPE	210	CUSTOMER ON/OFF
112	ALARM REMINDER	211	DOOR RING ASSIGNMENT
113	VIEW MEMO NUMBER	214	DISA ALARM RINGING STATION
114	KEYSET VOLUME	219	COMMON RELAY SERVICE TYPE
115	SET PROGRAMMED MESSAGE	220	ISDN SERVICE TYPE
116	ALARM AND MESSAGE		
119	CLIP DISPLAY		

300	CUSTOMER ON/OFF PER STATION	604	ASSIGN INTERNAL PAGE ZONE
301	ASSIGN STATION COS	605	ASSIGN EXTERNAL PAGE ZONE
302	PICKUP GROUPS	606	ASSIGN SPEED BLOCK
303	ASSIGN BOSS/SECRETARY	608	CLIP BLOCK
304	ASSIGN EXTENSION/TRUNK USE		
305	ASSIGN FORCED CODE	700	COPY COS CONTENTS
306	HOT LINE	701	ASSIGN COS CONTENTS
308	ASSIGN BACKGROUND MUSIC SOURCE	702	TOLL DENY TABLE
309	ASSIGN STATION MUSIC ON HOLD	703	TOLL ALLOWANCE TABLE
310	LCR CLASS OF SERVICE	704	ASSIGN WILD CHARACTER
312	ALLOW CLIP	705	ASSIGN SYSTEM SPEED DIAL
314	CONFIRM OUTGOING CALL	706	SYSTEM SPEED DIAL BY NAME
315	SET RELOCATION	707	AUTHORIZATION CODE
318	DISTINCTIVE RING	708	ACCOUNT CODE
319	BRANCH GROUP	709	TOLL PASS CODE
		710	LCR DIGIT TABLE
400	CUSTOMER ON/OFF PER TRUNK	711	LCR TIME TABLE
401	C.O./PBX LINE	712	LCR ROUTE TABLE
402	TRUNK DIAL TYPE	713	LCR MODIFY DIGIT TABLE
403	TRUNK TOLL CLASS	714	DID DIGIT
404	TRUNK NAME	715	PROGRAMMED STATION MESSAGE
405	TRUNK NUMBER	716	UK LCR OPTION
406	TRUNK RING ASSIGNMENT	718	MY AREA CODE
407	FORCED TRUNK RELEASE	720	COPY KEY PROGRAMMING
408	ASSIGN TRUNK MUSIC ON HOLD	721	SAVE STATION KEY PROGRAMMING
409	TRUNK STATUS READ	722	STATION KEY PROGRAMMING
410	ASSIGN DISA TRUNK	723	SYSTEM KEY PROGRAMMING
414	MPD/PRS SIGNAL	724	DIAL NUMBERING PLAN
415	TRUNK ABANDON	725	SMDR OPTIONS
418	BRI CARD RESTART	726	VM/AA OPTIONS
419	BRI OPTION	727	SYSTEM VERSION DISPLAY
421	MSN DIGIT	728	CLIP XLATION
422	ASSIGN TRUNK COS		
423	S/T MODE	800	ENABLE TECHNICIAN PROGRAM
424	S0 MAPPING	801	CHANGE TECHNICIAN PASSCODE
426	TRUNK GAIN CONTROL	802	CUSTOMER ACCESS MMC NUMBER
		804	SYSTEM I/O PARAMETER
502	STATION-WIDE TIMERS	805	TX LEVEL AND GAIN
503	TRUNK-WIDE TIMERS	807	VOLUME CONTROL
504	PULSE MAKE/BREAK RATIO	809	SYSTEM MMC LANGUAGE
505	ASSIGN DATE AND TIME	811	RESET SYSTEM
506	TONE CADENCE	812	COUNTRY CODE
507	ASSIGN AUTO NIGHT TIME		
508	CALL COST	900	CLEAR PASSCODE
510	SLI RING CANENCE		
512	ASSIGN HOLIDAY		

# Programming Using MMCs

This section explains how to program using the MMCs. You should read the instructions for each program carefully before starting the program.  
First, decide what changes are required to the system, and therefore which MMCs you need to use. Then, “ENABLE” the keyset (as described above) and follow the procedure for your selected program(s).

 **NOTE**

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

100

STATION LOCK

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

- |   |            |   |
|---|------------|---|
| 0 | UNLOCKED   | Unlocks a locked station.                         |
| 1 | LOCKED OUT | Not allowed to access C.O line for dial out       |
| 2 | LOCKED ALL | Not allowed to initiate any action with this mode |

## DEFAULT DATA

ALL STATIONS UNLOCKED

## ACTION

- Press TRSF 100  
Display shows
- Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and use RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all stations.
- Enter 0 to unlock or 1 or 2 to lock (e.g., 1)  
OR  
Use UP and DOWN key to make selection and press RIGHT soft key to return to step 2
- Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

## DISPLAY

[21] STN LOCK  
UNLOCKED

[24] STN LOCK  
UNLOCKED

[ALL] STN LOCK  
?

[21] STN LOCK  
LOCKED OUT

## RELATED ITEMS

STATION USER PROGRAMMING

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

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

**NOTE**

Default passcode cannot be used for toll restriction override.

DEFAULT DATA

ALL STATION PASSCODE                      1234

ACTION

- 1. Press TRSF 101  
Display shows
- 2. Dial station number (e.g., 24)  
OR  
Use UP or DOWN to scroll through keyset numbers and press  
RIGHT soft key to move the cursor right
- 3. Press HOLD to reset passcode
- 4. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] PASSCODE  
PASSCODE:\*\*\*\*

[24] PASSCODE  
PASSCODE:\*\*\*\*

[24] PASSCODE  
PASSCODE:1234

RELATED ITEMS

MMC 100                                      STATION LOCK



102

CALL FORWARD

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

The DCS-408/DCS-408i digital keyphone system allows five types of call forwarding:

- 0. FORWARD CANCEL
- 1. ALL CALL
- 2. BUSY
- 3. NO ANSWER
- 4. BUSY/NO ANSWER
- 5. EXT

If you select “BUSY/NO ANSWER”, the phone call will be forwarded to the station selected for condition 2 or 3 according to the user’s requirements. You can select the expected number only when all the numbers to be forwarded are already set up. If “FORWARD : OFF” is set in MMC 701, (ASSIGN COS CONTENTS), call forwarding will be cancelled. External call forwarding can be set up only when both “FORWARD” and “EXT FWD” are set as “ON” in MMC 701.

DEFAULT DATA

ALL STATION 0. FORWARD CANCEL

ACTION

- 1. Press TRSF 102  
Display shows
- 2. Dial station number (e.g., 24)  
OR  
Press UP or DOWN to select station and press RIGHT soft key to move cursor
- 3. Dial 0-5 to select forward type  
OR  
Press UP or DOWN to select forward type and press RIGHT soft key to move cursor
- 4. Dial destination number (e.g., 21)  
OR  
Press UP or DOWN to select destination and press RIGHT soft key to move cursor
- 5. Dial 1 for YES or 0 for NO  
OR  
Press UP or DOWN to select YES or NO and press RIGHT soft key to return to step 2
- 6. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] FORWARD  
0:FORWARD CANCEL

[24] FORWARD  
0:FORWARD CANCEL

[24] FORWARD  
1:ALL CALL:None

[24] FORWARD  
1:ALL CALL:21

[24] FORWARD  
CURRENTLY SET :NO

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## RELATED ITEMS

MMC 301

MMC 501

MMC 502

MMC 701

MMC 722

MMC 723

ASSIGN STATION COS

SYSTEM-WIDE TIMERS

STATION TIMERS

ASSIGN COS CONTENTS

STATION KEY PROGRAMMING

SYSTEM KEY PROGRAMMING



Allows the system administrator or technician to enter a name (up to 11 characters) to identify an individual station.

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



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

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

The # key can be used for the following special characters:

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

## DEFAULT DATA

NONE

## PROGRAM KEYS

AKey #19; acts as toggle between upper case and lower case

## ACTION

1. Press TRSF 104  
Display shows

## DISPLAY

[21] STN NAME

—

2. Dial station number (e.g., 24)

OR

Use UP and DOWN to select station and press RIGHT soft key to move cursor

[24] STN NAME

—

3. Enter the station name using the procedure described above  
Press the RIGHT soft key to return to step 2

[24] STN NAME  
SAM SMITH

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

## RELATED ITEMS

MMC 404

TRUNK NAME

## 105

## STATION SPEED DIAL

Allows the system administrator or technician to program the personal speed dial locations assigned to a station. This must be done for single line telephones because these stations cannot access programming. Each station may have up to 50 locations or bins assigned to it in MMC 606 (Assign Speed Block). The speed dial bins are numbered 00-49. Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 24 digits to be dialed. These dialed digits may consist of 0-9, \* and #. If the system recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

## DEFAULT DATA

NONE

## PROGRAM KEYS

- B Used to insert a flash code "F"
- C Used to insert a pause code "P"
- D Used to insert a pulse/tone conversion code "C"
- E Used to mask/unmask following digits (shows as "["or"]")
- F Used to enter name for speed dial bin (see MMC 106)

## ACTION

1. Press TRSF 105  
Display shows
  
- 2a. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press RIGHT soft key to move cursor  
OR  
Press LEFT soft key to go to step 4
  
- 2b. If selected station has no speed dial bins, the display will be as shown and a new station may be selected
  
3. Dial location number (e.g., 05)  
OR  
Press UP or DOWN to select location and press RIGHT soft key to move cursor  
OR  
Press LEFT soft key to return to step 2

## DISPLAY

[21] SPEED DIAL  
00:

[24] SPEED DIAL  
00:

[24] SPEED DIAL  
SPDBLK NOT EXIST

[24] SPEED DIAL  
05: \_

4. Enter trunk access code (e.g., 9) followed by the number to be dialed (e.g., 2153711)

OR

Press the RIGHT soft key to return to step 2

OR

Press LEFT soft key to return to step 3

Press HOLD button to clear an entry

If an error is made, use DOWN arrow to step back

5. Press “F” button to access MMC 106 Station Speed Dial by name

OR

Press TRSF to save and exit

OR

Press SPK to save and advance to next MMC

[24] SPEED DIAL  
Q5:9-P2153711

## RELATED ITEMS

MMC 106

MMC 606

STATION SPEED DIAL NAME

ASSIGN SPEED BLOCK

## 106

## STATION SPEED DIAL NAME

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 display keyset user's to select a speed dial location by viewing its name.

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



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

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

The # key can be used for the following special characters:

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

## DEFAULT DATA

NONE

## PROGRAM KEYS

AKey #19; acts as toggle between upper case and lower case

## ACTION

1. Press TRSF 106  
Display shows

## DISPLAY

[21] SPEED NAME  
00:

2. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press RIGHT soft key to move cursor

[24] SPEED NAME  
00:



3. Dial speed dial location (e.g., 05)  
Use UP and DOWN to scroll through location numbers and use the RIGHT soft key to move the cursor  
OR  
Press the LEFT soft key to return to step 2
4. Enter the location name using the procedure described above and press RIGHT soft key to return to step 2  
OR  
Press LEFT soft key to return to step 3 to continue entries
5. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

[24] SPEED NAME  
05:\_

[24] SPEED NAME  
05: SAM SMITH

#### RELATED ITEMS

MMC 105  
MMC 606

STATION SPEED DIAL  
ASSIGN SPEED BLOCK

Use this program to view the programmable keys assigned to the keyset station. In addition, it allows the system administrator to assign key extenders to some keys that will make a general access feature key more specific. The feature keys that can have extenders are listed below.

FEATURE KEYEXTENDER

BOSS	Boss and Secretary (1-2)
DIR	Directory dial by name type (1-3)
DP	Direct Pickup (extension or station group number)
DS	Direct Station Select (station number)
FWRD	Call Forward (0-5)
GPIK	Group Pickup (01-04)
IOG	In/Out Group (Station Group Number)
MMPG	Meet Me Page (0~ 2,5,*)
PAGE	Page (0~ 2,5,*)
SG	Station Group (50-53)
SPD	Speed Dial (00-49, 500-699)
PGM	Programmed Station Message (01-20)
VT	Voice Mailing Transfer (Station Group Number)

DEFAULT DATA

NONE

ACTION

1. Press TRSF 107  
Display shows first station
2. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to scroll through station numbers and press RIGHT soft key to move the cursor
3. Enter key number (e.g., 22)  
Use Up and DOWN to scroll through keys and use the RIGHT soft key to move the cursor  
OR  
Use above table to select desired extender  
system will return to this stop
4. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] EXT EXTEND  
01:DT71 →

[24] EXT EXTEND  
01:DT71 →

[24] EXT EXTEND  
22:DS →

[24] EXT EXTEND  
22:DS → DS27



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.

## RELATED ITEMS

MMC 720  
MMC 721  
MMC 722  
MMC 723

COPY KEY PROGRAMMING  
SAVE STATION KEY PROGRAMMING  
STATION KEY PROGRAMMING  
SYSTEM KEY PROGRAMMING

## 108

## STATION STATUS

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

0	PORT NO	Port Number
1	TYPE	Keyset Type
2	PICKUP GROUP	None, 01-04
3	SGR	Station Group Number
4	BOSS-SECR	None, 1-2
5	PAGE	None, Page zone (1-2)
6	DAY COS NO	Class of Service
7	NIGHT COS NO	Class of Service

## DEFAULT DATA

PORT NO	FOLLOWS HARDWARE POSITION
TYPE	FOLLOWS PHONE TYPE
PICKUP GROUP	01
SGR	NONE
BOSS-SECR	NONE
PAGE	NONE
DAY COS NO	1
NIGHT COS NO	1

## ACTION

1. Press TRSF 108  
Display shows
2. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press RIGHT soft key to move cursor
3. Dial 0-7 to select station status type  
OR  
Press UP or DOWN to select station status and press RIGHT soft key to return to step 2
4. Press TRSF to save and exit  
OR Press SPK to save and advance to next MMC

## DISPLAY

[21] STN STATUS  
PORT NO:4DLI01

[24] STN STATUS  
PORT NO:4DLI04

[24] STN STATUS  
PICKUP GROUP:01

## RELATED ITEMS

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

109

DATE DISPLAY

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

- 0

COUNTRY

Sets overall display format and has two options  
0 = ORIENTAL MM/DD DAY    HH : MM  
1 = WESTERN DAYDD MON    HH : MM
- 1

CLOCK

Sets format of clock display and has two options  
0 = 12 CLOCK    Displays 1 P.M as 01:00  
1 = 24 CLOCK    Displays 1 P.M as 13:00
- 2

DISPLAY

Sets format of DAY and MONTH display and has two options  
0 = UPP. CASE    Displays Friday as FRI and March as MAR  
1 = LOW. CASE    Displays Friday as Fri and March as Mar

DEFAULT DATA

COUNTRY	WESTERN
CLOCK	24 CLOCK
DISPLAY	LOWERCASE

ACTION

1. Press TRSF 109  
Display shows
2. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press RIGHT soft key  
to move cursor  
OR  
Press ANS/RLS for all keysets
3. Dial 0-2 to select mode  
OR  
Use UP and DOWN to scroll through modes and press RIGHT  
soft key to move cursor
4. Use UP and DOWN to scroll through  
formats and press RIGHT soft key to return to step 2  
OR  
Press LEFT soft key to return to step 3
5. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] DAY FORMAT  
COUNTRY: WESTERN

[24] DAY FORMAT  
COUNTRY:WESTERN

[ALL] DAY FORMAT  
COUNTRY: WESTERN

[24] DAY FORMAT  
CLOCK :12 CLOCK

[24] DAY FORMAT  
CLOCK :24 CLOCK

RELATED ITEMS

- MMC 505
- ASSIGN DATE AND TIME

## 110

## STATION ON / OFF

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

0	AUTO HOLD	Automatically places an existing C.O. call on hold if a CALL button, trunk key or trunk route key is pressed during that call.
1	AUTO TIMER	Automatically starts the stop watch timer during a C.O call.
2	HEADSET USE	When on, this feature disables the hook switch allowing a headset user to answer all calls by pressing the ANS/RLS button.
3	HOT KEYPAD	When on, this feature allows the user to dial directory numbers without having to first lift the handset or press the SPK button.
4	KEY TONE	Allows the user to hear a slight tone when pressing buttons on their keyset.
5	PAGE REJOIN	Allows the user to hear the latter part of page announcements if the keyset becomes free during a page.
6	RING PREF.	When off, requires the user to press the fast flashing button to answer a ringing call after lifting the handset.
7	CALL COST	Displays the call cost on the keyset or SMDR report.

## DEFAULT DATA

AUTO HOLD	OFF
AUTO TIMER	ON
HEADSET USE	OFF
HOT KEYPAD	ON
KEY TONE	ON
PAGE REJOIN	ON
RING PREF	ON
CALL COST	OFF

## ACTION

- Press TRSF 110  
Display shows
- Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press the RIGHT soft key to move cursor  
OR  
Press ANS/RLS for all keysets

## DISPLAY

[21] STN ON/OFF  
AUTO HOLD :OFF

[24] STN ON/OFF  
AUTO HOLD :OFF

[ALL] STN ON/OFF  
AUTO HOLD :OFF

3. Dial the option number from above list (e.g., 3)  
OR  
Press UP or DOWN to select the option and press the RIGHT  
soft key to move the cursor

[24] STN ON/OFF  
AUTO HOLD :OFF

[24] STN ON/OFF  
HOT KEYPAD :ON

4. Press UP or DOWN to select ON or OFF  
Press the LEFT or RIGHT soft key to return to step 2  
OR  
Dial 1 for ON or 0 for OFF

[24] STN ON/OFF  
HOT KEYPAD :OFF

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

RELATED ITEMS

MMC 301                      ASSIGN STATION COS  
MMC 701                      ASSIGN COS CONTENTS

111

KEYSET RING TONE

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

DEFAULT DATA

SELECTION 5

ACTION

- 1. Press TRSF 111  
Display shows
  
- 2. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press the RIGHT soft key to move cursor  
OR  
Press ANS/RLS for all keysets
  
- 3. Dial 1-8 to select ring tone  
OR  
Press UP or DOWN to select ring tone and press RIGHT soft key to move cursor and return to step 2
  
- 4. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] RING TONE  
SELECTION 5

[24] RING TONE  
SELECTION 5

[ALL] RING TONE  
SELECTION ?

[24] RING TONE  
SELECTION 3

RELATED ITEMS

MMC 114

OFF-HOOK RING VOLUME



112

ALARM REMINDER

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

Entry	Alarm Type
1	NOTSET
2	TODAY
3	DAILY

DEFAULT DATA

ALARMS ARE NOTSET

ACTION

1. Press TRSF 112  
Display shows
2. Dial station number (e.g., 24)  
OR  
Use UP and DOWN to select station and press the RIGHT soft key to move cursor  
OR  
Press ANS/RLS for all keysets
3. Dial 1-2 to select alarm (e.g., 2)  
OR  
Press UP or DOWN to select alarm and press the RIGHT soft key to move cursor  
OR  
Press LEFT soft key to return to step 2
4. Enter alarm time in 24 hour clock  
format, e.g., 1300  
Display will automatically advance to step 5
5. Dial valid entry from above list for alarm type  
OR  
Press UP or DOWN to select alarm type and  
press the RIGHT soft key to move cursor and return to step 2
6. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] ALM CLK(1)  
HHMM: →NOTSET

[24] ALM CLK(1)  
HHMM: →NOTSET

[24] ALM CLK(1)  
HHMM: →NOTSET

[24] ALM CLK(2)  
HHMM:1300 NOTSET

[24] ALM CLK(2)  
~~HHMM~~:1300

RELATED ITEMS

NONE

## 113

## VIEW MEMO NUMBER

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



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

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

The # key can be used for the following special characters:

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

## DEFAULT DATA:

NO memos entered

## PROGRAM KEYS

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

## ACTION

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

## DISPLAY

[21] VIEW MEMO  
1:

[21] VIEW MEMO  
1:NEED BREAD

## RELATED ITEMS

NONE

## 114

## KEYSET VOLUME

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

0	RING VOLUME	This is the volume setting for the keyset ringer. (1-8)
1	OFF-RING VOL	This is the volume of the alert tone that tells you there is a call camped on to a keyset. (1-8)
2	HANDSET VOL	This is the volume setting for conversations on the handset receiver. (1-8)
3	SPEAKER VOL	This is the receive volume setting for conversations on the speaker phone of a keyset. (1-16)
4	BGM VOLUME	This is the volume at which you will hear background music (BGM) over the keyset speaker when your keyset is idle and BGM is turned on. (1-16)

## DEFAULT DATA

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

## ACTION

1. Press TRSF 114  
Display shows

2. Dial station number (e.g., 24)

- 3.a.Press UP or DOWN to select next volume

- 3.b.Press UP or DOWN to select next volume

- 3.c.Press UP or DOWN to select next volume

- 3.d.Press UP or DOWN to select next volume

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

## DISPLAY

[21] STN VOLUME  
RING VOLUME 4

[24] STN VOLUME  
RING VOLUME 4

[ALL] STN VOLUME  
OFF-RING VOL 4

[24] STN VOLUME  
HANDSET VOL :4

[24] STN VOLUME  
SPEAKER VOL :13

[24] STN VOLUME  
BGM VOLUME :13

RELATED ITEMS

MMC 111

KEYSET RING TONE

115

SET PROGRAMMED MESSAGE

Allows the system administrator to set a programmed message at any or all keysets. There are 20 messages available. 10 are pre-programmed and 10 can be customized in MMC 715 (Programmed Station Message).

DEFAULT DATA

NO MESSAGES SELECTED

ACTION

- 1. Press TRSF 115  
Display shows
- 2. Dial station number (e.g., 24)  
OR  
Press UP or DOWN to select station and press the RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select All
- 3. Dial 01-20 to select message number (e.g., 01)  
OR  
Press UP or DOWN to select message  
Press the RIGHT soft key to return to step 2
- 4. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] PGMMMSG(00)  
CANCEL PGM MSG

[24] PGMMMSG(00)  
CANCEL PGM MSG

[ALL] PGMMMSG(??)

[24] PGMMMSG(01)  
IN A MEETING

RELATED ITEMS

MMC 715  
MMC 722  
MMC 723

PROGRAMMED STATION MESSAGE  
STATION KEY PROGRAMMING  
SYSTEM KEY PROGRAMING

## 116

## ALARM AND MESSAGE

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. This should be done by the system administrator or technician for single line telephones. Two alarms may be set for each station and each alarm may be defined as a one-time or TODAY alarm or as a DAILY alarm as described below. The TODAY alarm is automatically canceled after it rings while the DAILY alarm rings every day at the same time. Alarm numbers are 1 and 2.

Entry	Alarm Type
1	NOTSET
2	TODAY
3	DAILY

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

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

## DEFAULT DATA

ALARMS are NOTSET

## PROGRAM KEYS

AKey #19; acts as toggle between upper case and lower case

## ACTION

- Press TRSF 116  
Display shows
- Dial station number (e.g., 24)  
OR  
Press UP or DOWN to select station and press the RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all stations

## DISPLAY

[21] ALM REM(1)  
HHMM: →NOTSET

[24] ALM REM(1)  
HHMM: →NOTSET

[ALL] ALM REM(1)  
HHMM: →NOTSET

3. Dial 1-2 to select alarm (e.g., 2)  
OR  
Press UP or DOWN to select alarm and press the RIGHT soft key to move cursor  
OR  
Press the LEFT soft key to return to step 2
4. Enter alarm time in 24 hour clock format (e.g., 1600)  
Display automatically advances to step 5
5. Dial valid entry from above list for alarm type  
OR  
Press UP or DOWN to select alarm type and press the RIGHT soft key to move cursor
6. Enter message using above table and press the RIGHT soft key to return to step 2
7. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

[24] ALM REM(2)  
HHMM:1300→TODAY

[24] ALM REM(2)  
HHMM:1600 TODAY

[24] ALM REM  
HHMM:1600 DAILY

[24] ALM REM  
SAM SMITH

## RELATED ITEMS

NONE

119

SET CLIP DISPLAY



This feature is for DCS-408i digital keyphone system only.

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

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

PROGRAM KEYS

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

ACTION

1. Press TRSF 119  
Display shows
2. Enter station number (e.g., 24)  
OR  
Press UP or DOWN to select station and press the RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all stations
3. Dial display option 0,1,2 (e.g., 2)  
Press UP or DOWN to select option and press the RIGHT soft key to move cursor  
OR  
Press the LEFT soft key to return to step 2
4. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] CLIP DISP.  
NUMBER FIRST

[24] CLIP DISP.  
NUMBER FIRST

[24] ALM REM(2)  
HHMM:1300→TODAY

[24] ALM REM(2)  
HHMM:1600 TODAY

DEFAULT DATA

NUMBER FIRST

RELATED ITEMS

NONE

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

- 0 ENGLISH
- 1 PORTUGAL
- 2 DANISH
- 3 DUTCH
- 4 ITALY



As soon as changes are made in a programming language, the changed language is displayed.

DEFAULT DATA

ENGLISH

ACTION

- 1. Press TRSF 121  
Display shows
  
- 2. Dial keyset number (e.g. 24)  
OR  
Press UP or DOWN to select keyset and press RIGHT soft key  
OR  
Press ANS/RLS to select All
  
- 3. Dial 0-4 for language required  
OR  
Press UP or DOWN to select language and press RIGHT soft key.
  
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] LANGUAGE  
ENGLISH

[24] LANGUAGE  
ENGLISH

[ALL] LANGUAGE  
?

[24] LANGUAGE  
PORTUGAL

RELATED ITEMS

MULTI-LANGUAGE



200

OPEN CUSTOMER PROGRAMMING

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

DEFAULT DATA  
DISABLE

ACTION

1. Press TRSF 200  
Display shows
2. Enter passcode  
Correct code shows
- Incorrect code shows
3. Press UP or DOWN arrow key to select  
ENABLE or DISABLE  
OR  
Dial 1 for ENABLE or dial 0 for DISABLE and press RIGHT  
soft key
4. Press SPK to advance to MMC entry level  
and press UP or DOWN key to select MMC  
OR  
Enter MMC number and press RIGHT soft key to enter MMC
5. To log out, press TRSF key

DISPLAY

ENABLE CUS.PROG.  
PASSCODE:\_

ENABLE CUS.PROG.  
DISABLE

ENABLE CUS. PROG.  
PASSWORD ERROR

ENABLE CUS.PROG.  
ENABLE

RELATED ITEMS

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

201

CHANGE CUSTOMER PASSCODE

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



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

DEFAULT DATA

PASSCODE = 1 2 3 4

ACTION

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

- 3. Verify new passcode via keypad

PASSCODE verified  
OR

PASSCODE failure Return to step 2

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

DISPLAY

CUST. PASSCODE  
NEW CODE : \_

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

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

CUST. PASSCODE  
VERIFY : SUCCESS

CUST. PASSCODE  
VERIFY : FAILURE

RELATED ITEMS

MMC 200

OPEN CUSTOMER PROGRAMMING

202

CHANGE FEATURE PASSCODES

Used to change the passcodes for several features as follows:

DIAL	OPTION
0	DAY/NIGHT
1	DISA ALARM



The passcode are four digits long. Each digit can be 0-9.

DEFAULT DATA

DAY/NIGHT	0000
DISA ALARM	5678

ACTION

1. Press TRSF 202  
Display shows
2. Dial 0-1 for passcodes required  
Or  
Press UP or DOWN key to make selection  
Press RIGHT soft key to move cursor to passcode entry
3. Enter new passcode via the dial keypad  
Press RIGHT soft key to return to step 2 and continue to change other passcodes
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

CHANGE PASSCODE  
DAY/NIGHT :0000

CHANGE PASSCODE  
DISA ALARM :5678

CHANGE PASSCODE  
DISA ALARM :9999

RELATED ITEMS

MMC 214	DISA ALARM RINGING STATION
MMC 410	ASSIGN DISA TRUNK
MMC 507	ASSIGN AUTO NIGHT TIME

## 203

## ASSIGN UA DEVICE

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

DIRECTORY NUMBER	DEVICE TYPE	DESCRIPTION
21-28	STATION	The UA device is a keyset or SLT.
361	ROP	Ring over page
50-53	STATION GROUP	The UA device is a station group



Only one of the above options can be selected. If the ability to ring more than one is required, a station group containing a zone code must be created.

## PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter DN of selected device
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## DEFAULT DATA

None

## ACTION

1. Press TRSF 203  
Display shows current assignment
2. Dial DN of UA device (e.g., 24)  
OR  
Use UP and DOWN keys to scroll through available devices
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

ASSIGN UA PORT  
NONE-NO UA

ASSIGN UA PORT  
24-STATION

## RELATED ITEMS

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

204

COMMON BELL CONTROL

Determines whether the common bell relay contacts have an interrupted or continuous closure when activated. If interrupted is selected, the relay follows an internal C.O. ring pattern of one second closed followed by three seconds open.  
If assigned dry contact to Common bell, common bell relay pairs are assigned as 361.

PROGRAM KEYS

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

DEFAULT DATA

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

ACTION

1. Press TRSF 204  
Display show current setting
2. Dial common bell number (361 only)  
OR  
Press UP or DOWN key to make selection of common bell numbers and press RIGHT soft key to advance cursor
3. Dial 0 for continuous or 1 for interrupted operation  
OR  
Use UP or DOWN to scroll through options  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[361] COM/LD BEL CONTINUOUS
[361] COM/LD BEL CONTINUOUS
[361] COM/LD BEL INTERRUPTED

RELATED ITEMS

- MMC 203 Assign UA Device
- MMC 219 Common Relay Service Type
- MMC 601 Assign Station Group

Designates the station that controls the loud bell ring output of a base board(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.

PROGRAM KEYS

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

DEFAULT DATA

Unassigned

ACTION

1. Press TRSF 205  
Display shows current setting
2. Dial loud bell number (361 only)  
OR  
Use UP or DOWN to scroll through loud bell numbers and press RIGHT soft key to move the cursor
3. Enter station number (e.g., 21)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[361] LOUD BELL  
RING PAIR : NONE

[361] LOUD BELL  
RING PAIR : NONE

[361] LOUD BELL  
RING PAIR : 21

RELATED ITEMS

MMC 219                  COMMON RELAY SERVICE TYPE

206

BARGE-IN TYPE

Sets the type of barge in that is permitted.

OPTION	TYPE OF BARGE	INDESCRIPTION
0	NO BARGE-IN	Barge in feature is unavailable regardless of a station's barge in status.
1	BARGE-IN WITH TONE	Barge in will have an intrusion tone and display at the barged in on station.
2	BARGE-IN WITHOUT TONE	Barge in is allowed. There is no barge in tone or display at the barged in on station and the barging-in station will be muted.

DEFAULT DATA  
NO BARGE-IN

ACTION

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

DISPLAY

BARGE-IN TYPE  
NO BARGE-IN

BARGE-IN TYPE  
WITHOUT TONE

RELATED ITEMS

- MMC 301  
MMC 701
- STATION COS  
COS CONTENTS

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

DEFAULT DATA

NORMAL PORT

ACTION

- 1. Press TRSF 207  
Display shows
- 2. Dial station number (e.g., 26)  
OR  
Press UP or DOWN to select station and press RIGHT soft key to move cursor
- 3. Dial 1 or 0 to select port type (1= VMAA and 0= NORMAL)  
OR  
Press UP or DOWN to select option and press RIGHT soft key
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[25] VMAA PORT  
NORMAL PORT

[26] VMAA PORT  
NORMAL PORT

[26] VMAA PORT  
VMAA PORT

RELATED ITEMS

- MMC 726  
MMC 601
- VM/AA OPTIONS  
ASSIGN STATION GROUP



## 208

## ASSIGN RING TYPE

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

## OPTIONS

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

## DEFAULT DATA

ICM RING

## ACTION

1. Press TRSF 208  
Display shows
2. Dial station number (e.g., 26)  
OR  
Press UP or DOWN to select station and press RIGHT soft key to move cursor
3. Dial 0, 1 or 2 to select port type  
OR  
Press UP or DOWN to select option  
Press LEFT or RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[25] RING TYPE  
ICM RING

[26] RING TYPE  
ICM RING

[25] RING TYPE  
DATA RING

## RELATED ITEMS

NONE

Allows the system administrator to enable system-wide features on a per-tenant basis.

00	DISA PSWD	Determine whether outside customers are required to enter DISA password(Yes= ON, No= OFF).
01	LCR ENABLE	This will enable the LCR feature.
04	CID CODE INS	This allows the digit 1 to be automatically inserted for a toll call ( <b>DCS-408i</b> ).
05	DISA MOH	An additional option that can be presented to outside DISA callers: a variable indication provided by an MOH source instead of fixed DISA dial tone.
06	TRANSFER MOH	Allows the transferred station to hear system MOH.
07	DSP SSPDNAME	Allows the system speed dialing station to display system speed name.
08	DID BSY ROUT	When selected station is busy, DID call can be routed to an assigned destination, in MMC 406, before the call is dropped ( <b>DCS-408i</b> ).
09	DID NOT ROUT	When not connected or invalid station number is selected, DID call can be routed to an as assigned destination, in MMC 406, before the call is dropped out ( <b>DCS-408i</b> ).
10	ALL PICK UP	Independent pick up group, can pick up all calls.
11	ARD TONE CHK	When system detects CO BUSY TONE from Central Office, returns to autoreodial state.
13	VPN ENABLE	Allows use of VPN(Virtual Private Network) feature linked with network ( <b>DCS-408</b> ).
14	IN TOLL CHK	Enables toll checking for incoming call.
17	ISDN PROGCON	This option is used to determine th call connection when the network provides 2 <sup>nd</sup> progress in message to our system instead of connect message ( <b>DCS-408i</b> ).

#### DEFAULT DATA

DISA PSWD	ON
LCR ENABLE	OFF
CID CODE INS	OFF
DISA MOH	OFF
TRANSFER MOH	OFF
DSP SSPDNAME	OFF
DID BSY ROUT	OFF
DID NOT ROUT	ON
ARD TONE CHK	ON
VPN ENABLE	OFF
ISDN PROGCON	OFF

ACTION

- 1. Press TRSF 210  
Display shows
- 2. Press RIGHT soft key to move cursor
- 3. Dial 1 for ON or 0 for OFF  
OR  
Press UP or DOWN to make selection and press  
RIGHT soft key to enter and move cursor to step 1
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

TEN. ON AND OFF  
DISA PSWD :ON

TEN. ON AND OFF  
DISA PSWD: ON

TEN. ON AND OFF  
DISA PSWD: OFF

RELATED ITEMS

NONE

211

DOOR RING ASSIGNMENT

Designates which station or group of stations will ring when a door phone button is pressed.

Door phone rings on the station (group) and selects each day/night mode. If no door phone interface module is in the system, "DOOR NOT EXIST" is displayed.

DPIM (Door Phone Interface Module) connected to the door phone can be connected to anywhere on the digital telephone port.

DEFAULT DATA

Day	50
Night	50

ACTION

- 1. Press TRSF 211  
Display shows first door phone
- 2. Dial door phone number (e.g., 22)  
OR  
Press UP or DOWN to scroll through door phones.  
Use RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select ALL door ring

DISPLAY

[22] DOOR RING  
D:50 N:50

[22] DOOR RING  
D:50 N:50

[ALL] DOOR RING  
D:50 N:50

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

[22] DOOR RING  
D:21 N:50

## RELATED ITEMS

MMC 601

ASSIGN STATION GROUP

# 214

## DISA ALARM RINGING STATION

Assigns the DISA alarm to ring at a specific phone. It is recommended that the person who can clear the alarm also receives the notification. There can be two distinct stations for notification. Both a day and a night station can be selected.

## PROGRAM KEYS

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

## DEFAULT DATA

Day	50
Night	50

## ACTION

1. Press TRSF 214  
Display shows
2. Enter in valid day destination number (e.g., 51)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor
3. Enter in valid night destination number (e.g., 21)  
OR  
Press UP or DOWN key to make selection
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

DISA ALARM RING  
D:50 N:50

DISA ALARM RING  
D:51 N:50

DISA ALARM RING  
D:51 N:21

## RELATED ITEMS

MMC 202  
MMC 410

CHANGE FEATURE PASSCODES  
ASSIGN DISA TRUNK

219

COMMON RELAY SERVICE TYPE

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

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

ACTION

1. Press TRSF 219  
Display shows
2. Press RIGHT Soft key to move the cursor  
And  
Use UP or DOWN to scroll through options
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[361] RELAY TYPE  
EXTERNAL PAGE

[361] RELAY TYPE  
COMMON BELL

[361] RELAY TYPE  
LOUD BELL

[361] RELAY TYPE  
COMMON BELL

DEFAULT DATA

EXTERNAL PAGE

RELATED ITEMS

- MMC 203 Assign UA Device
- MMC 204 Common Bell Control
- MMC 205 Assign loud bell
- MMC 605 Assign External Page Zone



This feature is for DCS-408i digital keyphone system only.

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

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

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 220  
Display shows
2. Dial Station Number (e.g.26)  
OR  
press UP or DOWN to select station  
and press RIGHT soft key to move cursor
3. Select Service (0-3)  
OR  
Press UP or DOWN to select option and press  
RIGHT soft key
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[25] ISDN SVCE  
VOICE

[26] ISDN SVCE  
Voice

[25] ISDN SVCE  
AUDIO 3.1

### DEFAULT DATA

SLT= VOICE

### RELATED ITEMS

NONE

## 300

## CUSTOMER ON/OFF PER STATION

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

0	ACCESS DIAL	Determines whether a user can select a trunk or trunk group by dialing its directory number (DN) i.e. 71, 72, etc.. when using LCR.
1	MICROPHONE	Allows all 12- and 24-button keysets to be used in the speakerphone mode.
2	OFFHOOK RING	Will allow a short burst of ring tone to indicate another call.
3	SMDR PRINT	When the station is set for no C.O. calls to and from this station, the station will not print on SMDR. This includes transferred calls or calls picked up from hold or park.
4	TGR ADV. TONE	When this feature is set to ON, a warning tone will be heard each time LCR advances to the next route.
5	VMAA FORWARD	This feature selects whether intercom calls can be forwarded to voice mail. ON = Permits forward to voice mail. OFF = No forward to voice mail.
7	STN CALL PRT	Allows print out station to station call.
8	FWD DLY USE	Set FWD No Ans. Destination in MMC 102 but do not enable the feature(alternatively use code 603+ stn no. then 600 to cancel the feature), when a call is presented to this station and the Forward no answer timer expires, the call will overflow to the station set as the forward no answer destination.

## DEFAULT DATA

ACCESS DIAL	ON
MICROPHONE	ON
OFFHOOK RING	ON
SMDR PRINT	ON
TGR ADV. TONE	ON
VMAA FORWARD	ON
STN CALL PRT	OFF
FWD DLY USE	OFF

## ACTION

- Press TRSF 300  
Display shows
- Dial station number (e.g., 22)  
OR  
Press UP or DOWN to select station  
OR  
Press ANS/RLS for ALL and press RIGHT soft key to move cursor
- Press UP or DOWN to select feature and press RIGHT soft key to move cursor

## DISPLAY

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

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

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

4. Press UP or DOWN to select ON/OFF and  
press RIGHT soft key  
OR  
Dial 1 for ON or 0 for OFF
5. Press LEFT soft key to return to step 2  
Press RIGHT soft key to return to step 1 OR Press TRSF to store  
and exit OR Press SPK to store and advance to next MMC

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

## RELATED ITEMS

LCR PROGRAMMING



## 301

## ASSIGN STATION COS

Used to assign a class of service to each keyset. There are 4 different classes of service that are defined in MMC 701 (Assign COS Contents). Classes of service are numbered 1-4. Default COS is COS 1.

## DEFAULT DATA

1

## ACTION

1. Press TRSF 301  
Display shows first station
2. Dial station number (e.g., 24)  
OR  
Use UP or DOWN to scroll through stations  
Press RIGHT soft key to advance to step 3  
OR  
Use UP or DOWN to scroll through stations and press LEFT soft key to advance to Step 4  
OR  
Press ANS/RLS to select all stations
3. Enter day class of service( [1] - [4]) (e.g., 2)  
OR  
Use UP or DOWN to scroll through classes of service and press RIGHT soft key to advance to step 4  
OR  
Use UP or DOWN to scroll through classes of service and press LEFT soft key to return to step 2
4. Enter night class of service([1] – [4]) (e.g., 1)  
OR  
Use UP or DOWN to scroll through classes of service and press RIGHT soft key to advance to step 5  
OR  
Use UP or DOWN to scroll through classes of service and press LEFT soft key to return to step 3
5. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

## DISPLAY

```
[21] STN COS  
DAY:1 NIGHT:1
```

```
[24] STN COS  
DAY:1 NIGHT:1
```

```
[ALL] STN COS  
DAY:1 NIGHT:1
```

```
[24] STN COS  
DAY:2 NIGHT:1
```

```
[24] STN COS  
DAY:2 NIGHT:1
```

## RELATED ITEMS

MMC 701

ASSIGN COS CONTENTS

## DEFAULT DATA

## ACTION

- ## DISPLAY

```
[24] PICKUP GRP
PICKUP GRP:04
```

## RELATED ITEMS

MMC 107	KEY EXTENDER
MMC 722	STATION KEY PROGRAMMING
MMC 723	SYSTEM KEY PROGRAMMING

## 303

## ASSIGN BOSS/SECRETARY

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

## DEFAULT DATA

NONE

## PROGRAM KEYS

F BUTTON	Used to toggle BOSS/SECRETARY field (button #21)
----------	--

## ACTION

1. Press TRSF 303  
Display shows

$$\text{DISPLAY}$$

```
BOSS STN:NONE
SECR 1:NONE
```

2. Dial BOSS station number (e.g., 21)  
OR  
Press UP and DOWN to select station and press RIGHT soft  
key to advance cursor

BOSS STN:21  
SECR 1:NONE

3. Dial SECRETARY station number (e.g., 22)  
OR  
Press UP and DOWN to select station and press RIGHT soft  
key to enter more secretary stations

BOSS STN:21  
SECR 1:NONE

BOSS STN:21  
SECR 2:22

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

## RELATED ITEMS

MMC 722

## STATION KEY PROGRAMMING

## 304

## ASSIGN EXTENSION/TRUNK USE

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



MMC 406 Trunk Ring Assignment will override this MMC for the Answer option.

## DEFAULT DATA

DIAL : YES

ANS : YES

## ACTION

1. Press TRSF 304  
Display shows

## DISPLAY

[21] USE [71]  
DIAL: YES ANS: YES

2. Dial the station number (e.g., 24)  
OR  
Press UP or DOWN key to select station and press RIGHT soft key

[24] USE [21]  
DIAL: YES ANS: YES

3. Dial the trunk ID number (e.g., 72)  
OR  
Press UP or DOWN key to select trunk and press RIGHT soft key

[24] USE [72]  
DIAL: YES ANS: YES

4. Press UP or DOWN key to select YES/NO option  
OR  
Dial 1 for YES or 0 for NO and press RIGHT soft key to move cursor to ANS option

[24] USE [72]  
DIAL: NO ANS: YES

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

[24] USE [72]  
DIAL: NO ANS: NO

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

## RELATED ITEMS

MMC 406  
MMC 722  
MMC 723

TRUNK RING ASSIGNMENT  
STATION KEY PROGRAMMING  
SYSTEM KEY PROGRAMMING

305

ASSIGN FORCED CODE

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

- 0 NONE
- 1 AUTHORIZE CODE
- 2 ACCOUNT CODE

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 305  
Display shows
- 2. Dial station number (e.g., 24)  
OR  
Press UP or DOWN key to select station and press RIGHT soft key to move cursor
- 3. Dial a feature option 0-2, (e.g., 2)  
OR  
Press UP or DOWN key to select option and press RIGHT soft key to return to step 2
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] FORCD CODE  
NONE

[24] FORCD CODE  
NONE

[24] FORCD CODE  
ACCOUNT CODE

RELATED ITEMS

- |         |                    |
|---------|--------------------|
| MMC 707 | AUTHORIZATION CODE |
| MMC 708 | ACCOUNT CODE       |

306

HOT LINE

Allows a station the ability to make a predetermined call, upon the expiration of a timer (see MMC 501 System-Wide Timers, *Off-Hook Selection Timer* option). A maximum of 18 digits may be dialed with pauses, flash and OCC added in the dial string(the access code for the trunk is not counted.)

DEFAULT DATA

NONE

ACTION

1. Press TRSF 306

Display shows
2. Enter station number via dial keypad

OR

Use UP or DOWN to scroll through stations

Press RIGHT soft key to move the cursor
3. Enter trunk ID(e.g.,71) followed by max 18 digits
4. Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

DISPLAY

[21] HOT LINE  
NONE

[21] HOT LINE  
22

[22] HOT LINE  
71-P0312187643

RELATED ITEMS

NONE

308

ASSIGN BACKGROUND MUSIC SOURCE

Assigns a background music source to the DCS-408/DCS-408i digital keyphone system. One music source is in the system and the telephone number is 371. The number 371 can be used both for an internal and an external music source. If “NONE” is selected as a background music source, or if a music source is not connected to the external music source port selected as the background music source, no music will be heard.

DEFAULT DATA

371

ACTION

1. Press TRSF 308  
Display shows current setting
2. Dial keyset number (e.g., 24)  
OR  
Use UP or DOWN to scroll through keyset numbers  
Press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all stations
3. Enter source number (e.g., 371)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] BGM SOURCE  
BGM SOURCE:371

[24] BGM SOURCE  
BGM SOURCE:371

[ALL] BGM SOURCE  
BGM SOURCE:?

[24] BGM SOURCE  
BGM SOURCE:371

RELATED ITEMS

- MMC 309  
MMC 408
- ASSIGN STATION MUSIC ON HOLD  
ASSIGN TRUNK MUSIC ON HOLD SOURCE

Allows the system administrator to select which Music On Hold(MOH) source can be heard on each station. There are four possible selections for each music sources : TONE, NONE, INTERNAL and EXTERNAL(customer-provided MOH source and switch select internal/external)  
There is a music source selection jumper on the baseboard(switch select internal/external). The default directory number on a background music source is 371.

DEFAULT DATA

TONE

ACTION

- 1. Press TRSF 309  
Display shows current setting
- 2. Dial keyset number (e.g., 24)  
OR  
Use UP or DOWN to scroll through keyset numbers and press RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select all stations
- 3. Enter source number (e.g., 371)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] STN MOH  
MOH SOURCE:TONE

[24] STN MOH  
MOH SOURCE:TONE

[ALL] STN MOH  
MOH SOURCE:2

[24] STN MOH  
MOH SOURCE:371

RELATED ITEMS

- MMC 308
- MMC 408
- ASSIGN BACKGROUND MUSIC SOURCE
- ASSIGN TRUNK MUSIC ON HOLD SOURCE



310

LCR CLASS OF SERVICE

Assigns the LCR class of service allowed for a station on a per-station basis. There are four classes which may be assigned. LCR class of service allows specific users to trunk advance up to a matching LCR class of service programmed in MMC 710 (LCR Digit Table).

DEFAULT DATA

LEAST COST ROUTING COS 1

ACTION

1. Press TRSF 310  
Display shows
2. Dial station number (e.g., 24)  
OR  
Press UP or DOWN to select station and press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all stations
3. Dial 1-4 to select class type  
OR  
Press UP or DOWN to select class type  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] LCR CLASS  
LCR CLASS 1

[24] LCR CLASS  
LCR CLASS 1

[ALL] LCR CLASS  
LCR CLASS ?

[24] LCR CLASS  
LCR CLASS 4

RELATED ITEMS

LCR PROGRAMMING



This feature is for DCS-408i digital keyphone system only.

Allows the system administrator or technician to either:

– allow or prevent receipt of CLIP data from the network

OR

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

Each station can have the following options:

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

## ACTION

1. Press TRSF 312  
Display shows
2. Dial station number (e.g., 22)  
OR  
Press UP or DOWN to select station  
and Press RIGHT soft key to move cursor  
OR  
Press ANS/RLS for select ALL
3. Dial 0 or 1 to select option  
OR  
Press UP or DOWN to select station  
and Press RIGHT soft key to move cursor  
OR  
Press ANS/RLS for select ALL
4. Dial 0 or 1 to select option for SND  
OR  
Press UP or DOWN to select station  
and Press RIGHT soft key to move cursor  
OR  
Press ANS/RLS for select ALL

## DISPLAY

[21] ALLOW CLIP  
RCV:YES SND:YES

[22] ALLOW CLIP  
RCV:YES SND:YES

OR

[ALL] ALLOW CLIP  
RCV:YES SND:YES

[22] ALLOW CLIP  
RCV:YES SND:YES

OR

[ALL] ALLOW CLIP  
RCV:YES SND:YES

[22] CUS.ON/OFF  
RCV:YES SND:YES

OR

[ALL] ALLOW CLIP  
RCV:YES SND:YES

5. Dial 0 to 3 to select option  
OR  
Press UP or DOWN to select station  
and Press RIGHT soft key to move cursor  
OR  
Press ANS/RLS for select ALL

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

**OR**

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

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

## DEFAULT DATA

RCV YES  
SND YES  
INFO C.O Tel.

## RELATED ITEMS

MMC 119 Set CLIP Display

Allows outgoing call restriction, disconnect or confirm with tone.

DEFAULT DATA

NONE

PROGRAM KEYS

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

FEATURE KEYS

0	NONE
1	CONFIRM TONE
2	DISCONNECT

ACTION

1. Press TRSF 314  
Display shows
2. Dial station number (e.g., 24)  
OR  
Press UP or DOWN key to select and press RIGHT soft key to move cursor
3. Dial a feature option 0-2 (e.g., 1)  
OR  
Press UP or DOWN key to select option and press RIGHT soft key to return step 2
4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] CO CONFIRM  
NONE

[ALL] CO CONFIRM  
NONE

[24] CO CONFIRM  
CONFIRM TONE

RELATED ITEMS

MMC 501 System-Wide Timers

315

SET RELOCATION

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

DEFAULT DATA

NONE

ACTION

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

DISPLAY

SET RELOCATION  
EXT\_ EXT

SET RELOCATION  
EXT21 EXT\_

SET RELOCATION  
EXT21 EXT22

RELATED ITEMS

NONE

Sets a distinctive ring for stations. You can set both tone(T:1-8) and cadence(C:1-5) to one of eight ring values or to follow the station ring(F-STN).

PROGRAM KEYS

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

DEFAULT DATA

T: F-STN	C:F-STN
----------	---------

ACTION

1. Press TRSF 318  
Display shows
2. Dial station number(e.g. 24)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Press UP or DOWN key to select T value(e.g.1)  
and press RIGHT soft key to move cursor to C field
4. Press UP or DOWN key to select C value(e.g.2)
5. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] DIST.RING  
T:F-STN C:F-STN

[24] DIST.RING  
T:E-STN C:F-STN

[24] DIST.RING  
T:1 C:E-STN

[24] DIST.RING  
T:1 C:2

RELATED ITEMS

NONE

319

BRANCH GROUP

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

PROGRAM KEYS

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

DEFAULT DATA

NONE

ACTION

1. Press TRSF 319  
Display shows
2. Dial station number (e.g., 24)  
OR  
Press UP or DOWN to select station and press right soft key to move cursor  
OR  
Press ANS/RLS to select all
3. Dial 0 or 1 to select option  
OR  
Press UP or DOWN to select group and press right soft key to save
4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[21] BRANCH GRP  
BRANCH GRP : NONE

[24] BRANCH GRP  
BRANCH GRP : NONE

[ALL] BRANCH GRP  
BRANCH GRP : ?

[24] BRANCH GRP  
BRANCH GRP : 04

OR

[ALL] BRANCH GRP  
BRANCH GRP : 04

RELATED ITEMS

NONE

## 400

## CUSTOMER ON/OFF PER TRUNK

Assigns several options on a per-trunk basis.

## OPTIONS

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

## DEFAULT DATA

1A2 EMULATE	OFF
TRK INC. DND	OFF
TRK FORWARD	ON
LCR ALLOW	OFF

## ACTION

1. Press TRSF 400  
Display shows
2. Dial trunk number (e.g., 72)  
OR  
Press UP or DOWN to select trunk  
OR  
Press ANS/RLS for all trunks and press RIGHT soft key to move cursor to options
3. Dial option number from above list (0-2)  
OR  
Press UP or DOWN key to select option and press RIGHT soft key to move cursor
4. Dial 1 for ON or 0 for OFF  
OR  
Press UP or DOWN key to select ON/OFF and press RIGHT soft key to return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

## DISPLAY

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

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

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

[72] TRK ON/OFF  
TRK FORWARD :ON

[72] TRK ON/OFF  
TRK FORWARD :OFF

## RELATED ITEMS

NONE



401

C.O./PBX LINE

Used to select the mode of the C.O. line. If the PBX mode is chosen, this allows PBX access codes to be recognized, 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.

DEFAULT DATA

All Trunks

C.O. Line

PROGRAM KEYS

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

ACTION

1. Press TRSF 401  
Display shows
2. Dial trunk number (e.g., 72)  
OR  
Use UP or DOWN to scroll through trunk number and press  
RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select ALL
3. Dial 1 for PBX or 0 for C.O.  
OR  
Use UP or DOWN to scroll through options  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[71] PBX LINE  
CO LINE

[72] PBX LINE  
CO LINE


[ALL] PBX LINE  
?

[72] PBX LINE  
PBX LINE

RELATED ITEMS

NONE

Used to determine the dialing type of each C.O. line. There are two options: pulse (rotary dial), dual tone multi-frequency (DTMF).

**NOTE**

This feature is for DCS-408 digital keyphone system only.

OPTIONS

- 0. DTMF TYPE
- 1. DIAL PULSE TYPE

PROGRAM KEYS

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

DEFAULT DATA

All trunks	DTMF
------------	------

ACTION

- 1. Press TRSF 402  
Display shows
- 2. Dial trunk number (e.g., 72)  
OR  
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select ALL
- 3. Dial for PULSE, 0 for DTMF  
OR  
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft keys to return to return to step 2
- 4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[Z1] DIAL TYPE  
DTMF TYPE

[Z2] DIAL TYPE  
DTMF TYPE

[ALL] DIAL TYPE  
2

[Z4] DIAL TYPE  
DIAL PULSE TYPE

RELATED ITEMS

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

## 403

## TRUNK TOLL CLASS

Assigns toll class level assignments on a per-trunk or all-trunk basis in a day or night condition. The options for toll level will follow either the station class or the class of service defined in MMCs 702, Toll Deny Table, and 703, Toll Allowance Table. The toll classes that are available are listed below with their entry numbers.

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

## PROGRAM KEYS

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

## DEFAULT DATA

All trunks	F-STN day/night
------------	-----------------

## ACTION

1. Press TRSF 403  
Display shows
2. Dial trunk number (e.g. 72)  
OR  
Use UP or DOWN to scroll through trunk numbers and press  
RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select ALL
3. Enter day toll class (e.g. 2 for CLS-B)  
OR  
Press UP or DOWN to scroll through toll classes and press  
RIGHT soft key to move the cursor

## DISPLAY

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

[72] TOLL CLASS  
D:E-STN N:F-STN

[ALL] TOLL CLASS  
D:E-STN N:F-STN

[72] TOLL CLASS  
D:CLS-B N:E-STN

4. Enter night toll class (e.g., 2)  
OR  
Press UP or DOWN to scroll through toll classes and press  
RIGHT soft key to return to step 3
5. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

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

#### RELATED ITEMS


MMC 301 Assign Station COS  
MMC 507 Assign Auto Night Time  
MMC 701 Assign COS Contents  
Toll Restriction

404

TRUNK NAME

Allows a name (up to 11 characters) to be entered to identify an individual trunk.

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

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

COUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

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

DEFAULT DATA

NO NAMES ENTERED

PROGRAM KEYS

AKey #19; acts as toggle between upper case and lower case

ACTION

1. Press TRSF 404  
Display shows
2. Dial trunk (e.g., 72)  
OR  
Press UP or DOWN to select trunk Press RIGHT soft key to move cursor
3. Enter trunk name using the procedure above  
Press RIGHT soft key to return to step 2

DISPLAY

[Z1] TRUNK NAME

[72] TRUNK NAME  
—

[Z2] TRUNK NAME  
SAMSUNG

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

#### RELATED ITEMS

MMC 104  
MMC 405

STATION NAME  
CO TEL NO

## 405

## TRUNK NUMBER

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

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



When the number you want appears on the same dial pad key as the previous number, press the UP key to move the cursor to the right or the DOWN key to move the cursor left. A space can be entered by using these keys. The # key will enter special digits, including a dash.

COUNT	1	2	3	4	5
DIAL0	0	Q	Z	.	)
DIAL1	1	Space	?	,	!
DIAL2	2	A	B	C	@
DIAL3	3	D	E	F	#
DIAL4	4	G	H	I	\$
DIAL5	5	J	K	L	%
DIAL6	6	M	N	O	^
DIAL7	7	P	Q	R	S
DIAL8	8	T	U	V	*
DIAL9	9	W	X	Y	Z
DIAL*	*	:	=	[	]

## DEFAULT DATA

NO NUMBERS ENTERED

## PROGRAM KEYS

AKey #19; acts as toggle between upper case and lower case

## ACTION

1. Press TRSF 405  
Display shows
2. Dial trunk (e.g., 72)  
OR  
Press UP or DOWN to select trunk and press RIGHT soft key to move the cursor
3. Enter trunk number using the procedure described above

## DISPLAY

[Z1] CO TEL NO.

[72] CO TEL NO.

—

[72] CO TEL NO.  
4264100

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

#### RELATED ITEMS

MMC 404

TRUNK NAME



406

TRUNK RING ASSIGNMENT

Enables ringing to a specific station or to a group of stations when incoming calls are received. Trunk ring rings on the station or station group.

DEFAULT DATA

ALL TRUNKS RING DEFAULT OPERATOR GROUP (50)

ACTION

1. Press TRSF 406  
Display shows
2. Dial trunk number (e.g., 72)  
OR  
Use UP or DOWN to scroll through trunk numbers and press the RIGHT soft key to move the cursor  
OR  
Press ANS/RLS for ALL
3. Dial station number or station group number  
OR  
Press UP or DOWN key to select station number or station group number and press RIGHT soft key
4. Dial station number or station group number  
OR  
Press UP or DOWN key to select station number or station group number and press RIGHT soft key
5. Press TRSF to store and exit OR Press SPK to store and advance to next MMC

DISPLAY

[71] TRK RING  
D:50 N:50

[72] TRK RING  
D:50 N:50

[ALL] TRK RING  
D:50 N:50

[72] TRK RING  
D:51 N:50

[72] TRK RING  
D:21 N:50

RELATED ITEMS

- MMC 202  
MMC 507  
MMC 601
- CHANGE FEATURE PASSCODES  
NIGHT TIME  
ASSIGN STATION GROUP

407

FORCED TRUNK RELEASE

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

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 407  
Display shows
  
- 2. Dial in trunk number (e.g., 72)  
OR  
Press UP or DOWN key to select trunk and press RIGHT soft key  
OR  
Press ANS/RLS to select all trunks
  
- 3. Dial 1 for YES  
OR  
Dial 0 for NO  
Pressing 1 or 0 will return to step 2
  
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 603                      ASSIGN TRUNK GROUP

408

ASSIGN TRUNK MUSIC ON HOLD

Allows the system administrator to select which Music On Hold (MOH) source can be heard on each trunk. There are three selections: TONE, NONE and one of the customer-provided MOH sources connected to the system. The default directory number of the MOH source is 371.

DEFAULT DATA

TONE

ACTION

1. Press TRSF 408  
Display shows current setting
2. Dial trunk number (e.g., 72)  
OR  
Use UP or DOWN to scroll through trunk numbers and press  
RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select ALL
3. Enter source number (e.g., 371)  
OR  
Press UP or DOWN key to select option Press RIGHT soft key  
to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[Z1] TRK MOH  
MOH SOURCE:TONE

[72] TRK MOH  
MOH SOURCE:TONE

[ALL] TRK MOH  
MOH SOURCE:?

[Z2] TRK MOH  
MOH SOURCE:371

RELATED ITEMS

- MMC 308
- ASSIGN BACKGROUND MUSIC SOURCE

## 409

## TRUNK STATUS READ

Allows servicing personnel to quickly identify the location of a trunk in the system and to view the most significant information about that trunk. This is a read-only MMC.

## OPTION TABLE

00	PORT NO (4TRK/2BRI)
01	TYPE
02	1A2 EMULATE
03	TRK FORWARD
04	LINE
05	DIAL
06	DAY TOLL
07	NIGHT TOLL
08	DAY RING
09	NIGHT RING
10	MOH SOURCE
11	DISA

## DEFAULT DATA

PORT NO	Trunk port number
TYPE	Trunk type
1A2 FORWARD	OFF
TRK FORWARD	ON
LINE	CO LINE
DIAL	DTMF TYPE
DAY TOLL	F-STN
NIGHT TOLL	F-STN
DAY RING	50
NIGHT RING	50
MOH SOURCE	TONE
DISA	NORMAL

## ACTION

1. Press TRSF 409  
Display shows first trunk
2. Enter trunk number via dial keypad (e.g., 72)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter desired option  
OR  
Press UP or DOWN key to make selection
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[71] TRK STATUS  
PORT NO: 4TRK01

[72] TRK STATUS  
PORT NO: 4TRK02

[72] TRK STATUS  
TYPE: LOOP TRUNK

## RELATED ITEMS

MMC 400

MMC 401

MMC 403

MMC 404

MMC 406

MMC 408

MMC 410

CUSTOMER ON/OFF PER TRUNK

C.O./PBX LINE SOURCE

TRUNK DIAL TYPE

TRUNK NAME

TRUNK RING ASSIGNMENT

ASSIGN TRUNK MUSIC ON HOLD SOURCE

ASSIGN DISA TRUNK



414

MPD/PRS SIGNAL



This feature is for DCS-408 digital keyphone system only.

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

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

- |          |   |
|----------|---|
| 0. PRS 1 | When first PRS is detected, call duration timer is started.<br>When second PRS is detected, call duration timer is stopped.<br>The call is not released until hanging on. |
| 1. PRS 2 | When first PRS is detected, call duration timer is started.<br>When second PRS is detected, call duration timer is stopped and call is released.                          |
| 2. PRS 3 | The call duration timer starts base on the timer.<br>When first PRS is detected, call duration timer is stopped and call is released.                                     |

DEFAULT DATA  
NONE

ACTION

- Press TRSF 414  
Display shows
- Enter desired trunk number (e.g., 72)  
OR  
Press UP or DOWN key to select trunk and press RIGHT soft key to move cursor
- Dial 0 for PRS1, 1 for PRS2, 2 for PRS3, 3 for MPD or 4 for NONE  
Press UP or DOWN key to scroll through options and  
Use LEFT or RIGHT soft key to return to step 2
- Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[71] TRK PRS  
NONE

[72] TRK PRS  
NONE

[72] TRK PRS  
PRS1

RELATED ITEMS

MMC 508                      CALL COST



This feature is for DCS-408i digital keyphone system only.

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

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



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

## ACTION

1. Press TRSF 415  
Display shows
2. Dial station number (e.g., 72)  
OR  
Press UP or DOWN to select trunk  
And  
Use Left/RIGHT soft key to move cursor
3. Dial 1 for YES or 0 for NO  
OR  
Press UP or DOWN to scroll through options  
and use LEFT/RIGHT soft key to return to step 2
4. Press LEFT soft key to return to step 2  
Press RIGHT soft key to return to step 1 OR Press TRSF to store  
and exit OR Press SPK to store and advance to next MMC

## DISPLAY

[Z1] TRK ABANDN  
REPORT: YES

[Z2] TRK ABANDN  
REPORT: YES

[Z2] TRK ABANDN  
REPORT: NO

## RELATED ITEMS

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



## 418

## CARD RESTART



This feature is for DCS-408i digital keyphone system only.

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

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 418  
Display shows
2. Enter first trunk number in ISDN card (e.g., 71)  
OR  
Press UP or DOWN to select and press RIGHT soft key
3. Enter 1 for YES or 0 for NO  
OR  
Press UP or DOWN to select and press RIGHT soft key  
(If you select No, system returns to step 2)
4. You are asked for confirmation :  
Enter 1 for Yes or 0 for No  
OR  
Press UP or DOWN to select and press RIGHT soft key  
(If you select Yes, the ISDN card is restarted)
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[Z1] RESTART  
CARD RESTART? NO

[Z1] RESTART  
CARD RESTART? NO

[Z1] RESTART  
CARD RESTART? NO

[Z1] RESTART  
ARE YOU SURE? NO

## DEFAULT DATA

NONE

## RELATED ITEMS

MMC 419	BRI Option
MMC 423	S/T Mode



This feature is for DCS-408i digital keyphone system only.

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



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

### Ports programmed as "TRUNK" in MMC 423

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

#### BRI MODE

- P-P NOR When BRI line is point-to-point configuration and is not a DDI line. Incoming calls are placed as set in MMC 406 (Trunk Ring Assignment).
- P-P DDI When BRI line is point-to-point configuration and is a DDI line. Incoming calls are placed as set in MMC 714 (DID 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. DCS-408i system can manage up to eight MSN numbers for each MSN BRI access. Incoming calls through P-MP MSN ports are handled as set in MMC 421 (MSN Digit). This table is effective only for one BRI access.

#### CHANNEL ANY

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

If CHANNEL ANY is NO, user hears busy tone.

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

#### DLSEND

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



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

### Ports programmed as "STATION" in MMC 423

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

#### CHANNEL ANY

See above.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 419

Display shows

2. Dial BRI trunk number (e.g.73)

OR

Press UP or DOWN to select the port

- 3.a FOR TRUNK ports, display is as shown opposite  
(for STATION ports see 3.b)

Use the RIGHT soft key to position the cursor under  
CHANNEL ANY

- 3.a.1 Press UP or DOWN key to choose item

(CHANNEL ANY, BRI MODE or DLSEND)

If you choose BRI Mode, press RIGHT soft key  
to move the cursor under YES/NO.

Use UP or DOWN key to select P-P NOR/P-P DDI/P-M NOR/  
P-M MSN

If you press RIGHT soft key, cursor moves under 703

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

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

- 3.a.3 For another port, repeat from step2

When finished, go to step 4

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

- 3.b.1 Press Up or DOWN key to choose item (CHANNEL ANY)

Press RIGHT soft key to select YES or NO

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

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

4. Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

## DISPLAY

[Z1] BRI-TRK  
CHANNEL ANY:YES

[Z3] BRI-TRK  
CHANNEL ANY:YES

[Z3] BRI-TRK  
BRI MODE:P-P NOR

[Z3] BRI-TRK  
BRI MODE:MSN

[Z3] BRI-STN  
CHANNEL ANY:YES

## DEFAULT DATA

CHANNEL ANY : YES  
BRI MODE : P-P NOR  
DLSEND : OVERLAP

## RELATED ITEMS

MMC 418	CARD RESTART
MMC 421	MSN DIGIT
MMC 423	S/T Mode
MMC 714	DDI NUMBER AND NAME TRANSLATION

## 421

## MSN DIGIT



This feature is for DCS-408i digital keyphone system only.

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

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

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

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

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



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

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 421  
Display shows
2. Enter trunk number (e.g., 73)  
OR  
Press UP or DOWN to scroll through ISDN PORT  
And Press RIGHT soft key to move cursor

## DISPLAY

[Z1] MSN DGT(1)  
DGT:

[Z3] MSN DGT(1)  
DGT:

3. Enter the location 1-8 (e.g.4)  
OR  
Press UP or DOWN key to select location and press  
RIGHT soft key to move cursor
4. Enter digits to be translated (e.g.4603881) via dial keypad  
and press RIGHT soft key to move to the  
destination selection.  
(MAX. digit is 10)
5. Enter day destination via dial keypad (e.g.24)  
OR  
Press UP or DOWN key to make selection and  
press RIGHT soft key
6. Enter night destination via dial keypad (e.g.22)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key
7. Enter 1 for YES or 0 for NO  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key
8. Enter 1 for ACCEPT or 0 for REJECT  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key
9. Press TRSF to store  
and exit OR Press SPK to store and advance to next MMC

[Z3] MSN DGT(4)  
DGT:

[Z3] MSN DGT(4)  
DGT:4603881

[Z3] MSN DGT(4)  
→D:24 N:

[Z3] MSN DGT(4)  
→D:24 N:22

[Z3] MSN DGT(4)  
CW:N0 OPT:ACCEPT

[Z3] MSN DGT(4)  
CW:N0 OPT:ACCEPT

## DEFAULT DATA

NONE

## RELATED ITEMS

MMC 419 BRI OPTION  
MMC 714 DID NUMBER AND NAME TRANSLATION

422

ASSIGN TRUNK COS

Used to assign a day and night class of service(COS) to each trunk. There are 4 different classes of service (numbered 1-4) 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. If the data for DISA PSWD(refer to MMC 210) is set to ON, the COS of the equivalent station is assigned to the trunk.

PROGRAM KEYS

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

DEFAULT DATA

1

ACTION

1. Press TRSF 422  
Display shows
2. Dial trunk number (e.g.72)  
OR  
Use UP or DOWN to scroll through trunk numbers and press  
RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select ALL
3. Enter day class of service (e.g. 4)  
OR  
Press UP or DOWN to scroll through classes of service  
And press RIGHT soft key to move the cursor
4. Enter night class of service (e.g., 2)  
OR  
Press UP or DOWN to scroll through toll classes of service  
and press RIGHT soft key to return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[71] TRK COS DAY:1 NIGHT:1
[72] TRK COS DAY:1 NIGHT:1
[ALL] TRK COS DAY:1 NIGHT:1
[72] TRK COS DAY:4 NIGHT:1
[72] TRK COS DAY:4 NIGHT:2

RELATED ITEMS

MMC 301	ASSIGN STATION COS
MMC 410	ASSIGN DISA TRUNK
MMC 701	ASSIGN COS CONTENTS



**NOTE**

This feature is for DCS-408i digital keyphone system only.

Allows the system to choose the function of 2nd BRI access. First BRI port is fixed to TRUNK so you can assign S/T mode for second BRI port. You can set a BRI access as "TRUNK" to which an ISDN C.O. line is connected, or as "STATION" to which an ISDN terminal is connected.



**NOTE**

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

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

PROGRAM KEYS

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

ACTION

1. Press TRSF 423  
Display shows
2. Dial BRI number (73 Only)  
OR  
Use UP or DOWN to select the port  
and press RIGHT soft key to move the cursor
3. Press UP or DOWN to make selection (TRUNK or STATION)  
and press RIGHT soft key to move the cursor
4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[73] S/T MODE  
TRUNK

[73] S/T MODE  
TRUNK

[73] S/T MODE  
STATION

DEFAULT DATA

TRUNK


RELATED ITEMS

MMC 418	CARD RESTART
MMC 419	BRI OPTION
MMC 424	MAPPING




424

SO MAPPING

 **NOTE** This feature is for DCS-408i digital keyphone system only.

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

 **NOTE** For 2nd BRI access, two adjacent ports are assigned. You need only map a number onto one of the two ports. You can map only one port to each number. This means you can't use the same number in more than one BRI access. However, more than one number can be mapped onto a port and used in a BRI access.

PROGRAM KEYS

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

ACTION

1. Press TRSF 424  
Display shows
2. Dial an ISDN terminal number (e.g. 7802)  
OR  
Use UP or DOWN to select the number  
and press RIGHT soft key to move the cursor
3. Dial an ISDN station number (e.g. 73)  
OR  
Use UP or DOWN to select the number  
and press RIGHT soft key to move the cursor
4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[7801] SO MAPPING  
NONE

[7802] SO MAPPING  
NONE

[7802] SO MAPPING  
73

DEFAULT DATA

NONE

RELATED ITEMS

MMC 419	BRI OPTION
MMC 423	S/T MODE

This MMC procedure allows trunk gain control.

PROGRAM KEYS

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

DEFAULT DATA

For all trunks                      RX : 0.0      TX : 0.0

ACTION

1. Press TRSF 426  
Display shows
2. Dial trunk number (e.g.72)  
OR  
Use UP or DOWN to select trunk and  
Press RIGHT soft key to move the cursor
3. Press UP or DOWN to select trunk RX gain  
And press RIGHT soft key to move the cursor
4. Press UP or DOWN to select trunk TX gain  
and press RIGHT soft key to return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

DISPLAY

[Z1] TRUNK GAIN  
RX:+0.0 TX:+0.0

[72] TRUNK GAIN  
RX:±0.0 TX:+0.0

[72] TRUNK GAIN  
RX:+1.9 TX:±0.0

[Z2] TRUNK GAIN  
RX:+1.9 TX:+1.9

RELATED ITEMS

NONE

## 500

## SYSTEM-WIDE COUNTERS

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

- 0. ALARM REM. COUNTER : This is the number of times that an alarm reminder will ring a station before canceling. RANGE = 1- 99.
- 1. AUTO RDL COUNTER : This is 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 COUNTER : Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE= 01-99
- 3. DISA LOCK COUNTER : Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE= 01-99
- 4. NEW CALL COUNTER : This is the number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1-99.

## DEFAULT DATA

ALARM REM. COUNTER	: 5
AUTO RDL COUNTER	: 5
DISA CALL COUNTER	: 99
DISA LOCK COUNTER	: 3
NEW CALL COUNTER	: 99

## ACTION

- 1. Press TRSF 500  
Display shows
- 2. Enter number from above list (e.g., 0)  
OR  
Press UP or DOWN key to make selection and press RIGHT  
soft key to move cursor
- 3. Enter new value via dial keypad  
If valid, system returns to step 2
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

ALARM REM.COUNTER  
05

ALARM REM.COUNTER  
00 \_

ALARM REM.COUNTER  
00→02

## RELATED ITEMS

MMC 501

SYSTEM-WIDE TIMERS

Allows the technician to adjust individual timers as necessary.

- 00. ALERT TONE TIME (100-2500 MSEC) : This timer sets the duration of the attention tone preceding a call to a keyset in the Voice Announce or Auto Answer mode. This tone will also precede a forced Auto Answer call.
- 01. ALM REM.INTERVAL (1-255 SEC) : This timer controls the time between ring attempts at a station when alarm reminder is set.
- 02. ALM REM.RING OFF (1-25 SEC) : This timer controls the length of the ring cycle when alarm reminder is set at a station.
- 03. ATT RECALL TIME (1-255 SEC) : This is the length of time a transfer recall will ring at a station before recalling the operator.
- 04. AUTO REDIAL INT. (1-255 SEC) : This timer controls the time between attempts after RETRY dialing is set on a station.
- 05. AUTO REDIAL RLS. (1-255 SEC) : This timer controls the duration of a Ring No Answer condition on a retry number dialed before the auto redial is automatically canceled.
- 06. BARGEIN TONE INT(100-9900MSEC): This timer controls the intervals between the tones sent to the person who is being barged in on.
- 07. CALLBACK NO ANS (1-255 SEC) : This timer controls the time before the callback is automatically canceled when a call back detects Ring No Answer.
- 08. CAMP ON RECALL (0-255 SEC) : This timer controls the time a camped-on call will stay at a destination before recalling to the transferring station.
- 09. **CLIP DISPLAY TIME (01-25SEC)**: The amount of time that the Calling Line ID information remains on the keyset's display. While on a trunk conversation, users are allowed to review received CLIP by pressing **SCROLL CLIP** softkey, but LCD will automatically go back to trunk conversation status on expiration of this timer. **(For DCS-408i Only)**
- 10. **CLIP MSG RECEIVE (01-25SEC)** : The amount of time that the system will allow a valid message from the C.O. **(For DCS-408i Only)**
- 11. **C.O. CLEAR TIME(0-255SEC)**: The length of time a DTS key remains busy after cleardown.
- 12. **CO CONFIRM TIME (0-255 MIN)** :After this time, the outgoing call is disconnected or you can hear the confirm tone.
- 13. **CO-CO DISCONNECT (1-255 MIN)** : This timer monitors the duration of an unsupervised conference; when it expires, both trunks are disconnected.
- 14. **CONFER TONE INT(100-9900MSEC)**: This timer controls the timing of intervals between the tones heard by the parties in a conference.
- 15. **CONFIRM TONE TM (100-2500 MSEC)** : The duration of tone heard when a feature is activated or deactivated.
- 18. **DIAL PASS TIME (0-25 SEC)** : This timer is the wait time for preventing the misdealing of an outgoing call. After the last digit has been dialed, the voice path is connected.

- 19. DISA DISCONNECT (1-255 MIN)** : This timer controls the maximum duration of a DISA call.
- 21. DISA LOCK OUT TM (1-255 MIN)** : This timer controls the duration of time a DISA call is not allowed to be made after the DISA error counter has expired(MMC 500)
- 22. DISA NOANS DISC (0-255 SEC)** : This timer controls the duration of time a DISA call is disconnected by force when called party is not answered.
- 23. DISA PASS CHECK (1-255 MIN)** : This timer defines the time period before the system clears the incorrect passcode counter.
- 24. DISPLAY DELAY TM (1-255 SEC)** : This timer controls the duration a display is shown in the LCD display. This timer also controls the duration of time that error tone is heard.
- 25. DOOR LOCK RELES. (100-2500 MSEC)** : This timer controls the duration of time the door lock relay will be activated.
- 26. DOOR RING DETECT (1-250 MSEC)** : This timer controls the duration of time before a call is answered by the door phone.
- 27. DOOR RING OFF TM (1-255 SEC)** : This timer controls the duration of ringing at the door ring destination before automatically canceling.
- 28. E-HOLD RECALL TM (0-255 SEC)** : This timer controls the duration of time a call is held exclusively at a station before recalling.
- 29. EXT.FWD DELAY TM (1-255 SEC)** : This timer controls the External Call Forward feature which will allow a station to ring before the call is placed on external call forwarding.
- 30. FIRST DIGIT TIME (1-255 SEC)** : This timer controls how long the system will wait for dialing to begin before dropping the dial tone and returning the user to error tone.
- 31. HOK FLASH MAX TM (20-2500 MSEC)** : This timer monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (LONGEST DURATION).
- 32. HOK FLASH MIN TM (20-2500 MSEC)** : This timer monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (SHORTEST DURATION).
- 33. HOOK OFF TIME (100-2500 MSEC)** : This timer controls the time before dial tone is sent to a single line station.
- 34. HOOK ON TIME (20-2500 MSEC)** : This timer sets the minimum amount of time that the system will recognize as an SLT hang up.
- 35. INQUIRY RELEASE (1-255 SEC)** : This timer monitors the duration of the interaction of the soft key to determine when to return the LCD back to normal status. This timer affects only display phones.
- 36. INTER DIGIT TIME (1-255 SEC)** : The timer controls the grace period between dialing valid digits before dropping the call and returning the user back to error tone.
- 37. KMMC LOCK OUT TM (10-255 SEC)** : This timer controls the grace period between programming actions while in a programming session. The timer automatically returns the system to secure programming status.
- 38. LCR ADVANCE TIME (1-255 SEC)** : This timer controls the duration of time before selecting the next allowable route when a station is allowed to route advance.

- 39. LCR INTER DIGIT (1-255 SEC)** : This timer controls the grace period between dialing valid digits before dropping the call and returning the user to error tone.
- 40. MCL DELAY TIME(1-8SEC):** This timer controls the time when the system should start transmitting Authorization code after sending MCL Access code.
- 41. OFF HOK RING INT (1-255 SEC)** : This timer controls the duration of time between ring bursts to a user who has a camped-on call.
- 42. OFF HOOK SELECT (1-255 SEC)** : This timer controls the grace period before placing a internal/external call as programmed in MMCs 306 and 307.
- 43. OHVA ANSWER TIME (1-255 SEC)** : This timer controls the time duration of an OHVA call before automatic rejection.
- 44. OVERLAP INT DGT (01-15SEC):** This timer controls the grace period between receiving address information in overlap receiving mode via BRI/PRI line. After expiration of this timer the system operator will be alerted. **(For DCS-408i Only)**
- 45. PAGE TIME OUT (1-255 SEC)** : This timer controls the duration of a page announcement.
- 46. PAGE TONE TIME (100-2500 MSEC)** : This timer controls the duration of tone burst heard over the page prior to the page announcement.
- 47. PARK RECALL TIME (0-255 SEC)** : This timer controls the duration of time a call is parked before recalling to the call park originator.
- 48. PC-MMC LOCK TIME (01-60 MIN):** This timer monitors PCMMC activity, drops the link if no action is created by PCMMC and returns the system to secure program status. **(For DCS-408i Only)**
- 49. POWER DOWN TIME (100-2500 MSEC)** : This timer monitors the power to the ROM pack to begin shutdown status.
- 50. RECALL DISCONNECT (1-255 MIN)** : This is the time an attendant recall will ring before being disconnected.
- 51. RECALL WAIT TIME (0-255 SEC)** : This is the time any recall (hold or transfer) continues to recall at your station before it recalls to the operator.
- 52. SMDR START/DP(1-255SEC):**This grace period timer starts SMDR recording for rotary dialing. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.
- 53. SMDR SRART/DTMF (1-255 SEC)** : This grace period timer starts SMDR recording for touch-tone dialing. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.
- 54. SYS HOLD RECALL (0-255 SEC)** : This timer determines the time calls can be left on hold before recalling back to the holding station. This is a system-wide timer. Setting timer to 000 means no recalling will take place.
- 55. TRANSFER RECALL (0-255 SEC)** : This timer determines the time that transferred calls ring before recalling. This is a system-wide timer.

## DEFAULT DATA

ALERT TONE TIME	: 1000MSEC
ALM REM. INTERVAL	: 25SEC
ALM REM. RING OFF	: 10SEC
ATT. RECALL TIME	: 30SEC
AUTO REDIAL INT	: 30SEC
AUTO REDIAL RLS	: 45SEC
BARGEIN TONE INT	: 9900MSEC
CALLBACK NO ANS	: 30SEC
CAMP ON RECALL	: 30SEC
CLIP DISPLAY TM	: 05SEC
CLIP MSG RECEIVE	: 06SEC
CO CLEAR TIME	: 30SEC
CO CONFIRM TIME	: 3MIN
CO-CO DISCONNECT	: 20MIN
CONFER TONE INT	: 9900MS
CONFIRM TONE TM	: 1000MSEC
DIAL PASS TIME	: 5SEC
DISA DISCONNECT	: 30MIN
DISA LOCK OUT TM	: 30MIN
DISA NOANS DISC.	: 30SEC
DISA PASS CHECK	: 30MIN
DISPLAY DELAY TM	: 3SEC
DOOR LOCK RELES	: 500MSEC
DOOR RING DETECT	: 50MSEC
DOOR RING OFF TM	: 30SEC
E-HOLD RECALL TM	: 45SEC
EXT.FWD DELAY TM	: 10SEC
FIRST DIGIT TIME	: 10SEC
HOK FLASH MAX TM	: 120MSEC
HOK FLASH MIN TM	: 80MSEC
HOOK OFF TIME	: 200MSEC
HOOK ON TIME	: 200MSEC
INQUIRY RELEASE	: 30SEC
INTER DIGIT TIME	: 10SEC
KMMC LOCK OUT TM	: 30SEC
LCR ADVANCE TIME	: 5SEC
LCR INTER DIGIT	: 5SEC
MCL DELAY TIME	: 4SEC
OFF HOK RING INT	: 15SEC
OFF HOOK SELECT	: 5SEC
OHVA ANSWER TIME	: 10SEC
OVERLAP INT DIGIT	: 07SEC
PAGE TIME OUT	: 20SEC
PAGE TONE TIME	: 500MSEC
PARK RECALL TIME	: 45SEC
PC-MMC LOCK TIME	: 05MIN
POWER DOWN TIME	: 2000MSEC
RECALL DISCONNECT	: 2MIN
RECALL WAIT TIME	: 15SEC
SMDR START/DP	: 30SEC
SMDR START/DTMF	: 15SEC
SYS HOLD RECALL	: 45SEC
TRANSFER RECALL	: 20SEC

### ACTION

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

### DISPLAY

ALERT TONE TIME  
1000 MS →

KMMC LOCK OUT TM  
030 SEC →\_

KMMC LOCK OUT TM  
030 SEC → 255

KMMC LOCK OUT TM  
255 SEC →

### RELATED ITEMS

NONE



## 502

## STATION-WIDE TIMERS

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

## OPTIONS

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



It is resonable for the system administrator to use trial and error to find a suitable value for 2 and 3 above according to the characteristics of the selected VM system.

## DEFAULT DATA

NO ANS FWD : 15SEC  
DTMF DUR. : 100MSEC  
F-DGT DELY : 600MSEC

## ACTION

1. Press TRSF 502  
Display shows
  
2. Dial station number (e.g., 22)  
OR  
Press UP or DOWN key to select station and press RIGHT soft key  
OR  
Press ANS/RLS to select all stations and press RIGHT soft key
  
3. Enter new value(must be 3 digits) via dial keypad (e.g., 020)  
System will return to step 2
  
4. Dial station number (e.g., 22)  
OR  
Press UP or DOWN key to select station and press RIGHT soft key  
OR  
Press ANS/RLS to select all stations and press RIGHT soft key

## DISPLAY

[21] NO ANS FWD  
015 SEC →

[22] NO ANS FWD  
015 SEC →

[ALL] NO ANS FWD  
015 SEC →

[22] NO ANS FWD  
01 SEC →020

[22] DTMF DUR.WD  
0100 MS →

5. Enter new timer value(must be 4 digits) via dial keypad (e.g., 0200)  
System will return to step 2

[22] DTMF DUR.  
0100 MS →0200

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

## RELATED ITEMS

MMC 102  
MMC 207

CALL FORWARD  
ASSIGN VM/AA PORT

## 503

## TRUNK-WIDE TIMERS

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.

## DEFAULT DATA

01	ANS. BAK TM	:	600MSEC
02	CLEARING	:	2000MSEC
03	CO SUPV TM	:	400MSEC
04	DTMF DUR.	:	100MSEC
05	F-DGT DELY	:	600MSEC
06	FLASH TIME	:	70MSEC
07	NO RING TM	:	4SEC
08	PAUSE TIME	:	3SEC
09	PRS DET TM	:	0MSEC
10	RNG DET TM	:	300MSEC
11	MF/DP INT	:	800MSEC
12	MFR DLY TM	:	0SEC

## ACTION

1. Press TRSF 503  
Display shows
2. Dial trunk number (e.g., 72)  
OR  
Press UP or DOWN key to select trunk and press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all trunks and press RIGHT soft key to move cursor
3. Dial timer number from above list  
OR  
Press UP or DOWN key to select timer and press RIGHT soft key to move cursor
4. Enter new timer value (must be four digits, e.g., 2000)  
System returns to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[71] ANS. BAK TM  
0600→MS

[72] ANS. BAK TM  
0600→MS

[ALL] ANS. BAK TM  
0600→MS

[72] DTMF DUR.  
0600 MS —

[72] DTMF DUR.  
0600 MS 0700

## RELATED ITEMS

NONE



This feature is for DCS-408 digital keyphone system only.

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

OPTIONS

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

DEFAULT DATA

- Make/Break = 33  
Pulses Per Second = 10

PROGRAM KEYS

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

ACTION

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

DISPLAY

MAKE/BREAK RATIO  
33 MAKE →

PULSE PER SECOND  
10 PPS →\_

PULSE PER SECOND  
10 PPS →20

RELATED ITEMS

MMC 402 Trunk Dial Type

505

ASSIGN DATE AND TIME

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

WMMDDYY : HHMM

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

DEFAULT DATA

Depends on Software Version

ACTION

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

DISPLAY

OLD:6010184:0047

NEW:WMDDYY : HHMM

OLD:6010184:0047

NEW:3020994:1445

OLD:3020994:1445

NEW:WMDDYY : HHMM

RELATED ITEMS

NONE

## 506

## TONE CADENCE

Provides the ability to customize the tone cadence on a system-wide basis. There are 14 tone cadences available. The tone control of the cadence may be changed from interrupt tone to continuous tone. Please call Technical Support before changing any cadences as some systems may require default settings.

TONE NAME	DESCRIPTION
BUSY TONE	The called station is busy.
CONFM/BARGE	A feature has been successfully activated/cleared or a Barge In with Tone has been performed.
DIAL TONE	The system is ready to interpret key presses/dialed digit.
DND/NO MORE	The called station is in DND or has no free CALL buttons.
ERROR TONE	An error has been made.
HOLD/CAMPON	This is the system-generated hold tone.
MSGWAT TONE	This is the dial tone heard at an SLT with a message waiting.
RGBACK TONE	The called station is ringing.
RING TONE	This is the CO ring cadence.
TRSFER TONE	This is the dial tone heard when the transfer key is pressed or an SLT hook flashes.
DID RNGBACK	This is the DID ringback tone. – <b>for DCS-408i only</b>
CO BUSY	This is the CO busy tone.
CO RINGBACK	This is the CO Ringback tone.
CO DIAL	This is the CO dial tone.

## DEFAULT DATA

TONE	ON	OFF	ON	OFF
00. BUSY TONE	350	350	350	350
01. CONFM/BARGE	50	50	50	50
02. DIAL TONE	CONTINUOUS TONE			
03. DND/NO MORE	250	250	250	250
04. ERROR TONE	100	100	100	100
05. HOLD/CAMPON	500	3500	500	3500
06. MSGWAT TONE	CONTINUOUS TONE			
07. RGBACK TONE	400	200	400	2000
08. RING TONE	1000	3000	1000	3000
09. TRSFER TONE	100	100	100	100
10. DID RNGBACK	1000	3000	1000	3000
11. CO BUSY	350	350	350	350
12.CO RINGBACK	400	200	400	2000
13.CO DIAL	1000	250	1000	250

## ACTION

- Press TRSF 506  
Display shows
- Dial tone number from above list (00-12, e.g., 00)  
OR  
Press UP or DOWN key to select tone

## DISPLAY

BUSY TONE  
INTERRUPT TONE

BUSY TONE  
INTERRUPT TONE

3. Dial tone option 0 for CONTINUOUS or 1 for INTERRUPT  
OR  
Press UP or DOWN key to select tone control and press RIGHT soft key to advance to step 4  
OR  
Press LEFT soft key to return to step 2
4. Dial new value for interrupt times (must be four digits)  
Press RIGHT soft key to advance cursor  
Press LEFT soft key to retreat cursor  
If valid entry, system returns to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

BUSY TONE :0500  
0500 0500 0500

BUSY TONE  
INTERRUPT TONE

## RELATED ITEMS

NONE

## 507

## ASSIGN AUTO NIGHT TIME

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

## FEATURE KEYS

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

## DEFAULT DATA

NONE

## ACTION

1. Press TRSF 507  
Display shows
2. Dial day number (0-6, e.g., 1)  
Press UP and DOWN key to select day and press RIGHT soft key to advance cursor to step 3
3. Dial in start time for night (e.g., 1730)  
If time entered is valid, cursor moves to end time  
Enter end time(e.g.0800)  
if time entered is valid, system return to step 2

## DISPLAY

NIGHT TIME (SUN)  
ST:        END:

NIGHT TIME (MON)  
ST:\_        END:

NIGHT TIME (MON)  
ST:1730    END:0800

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

## RELATED ITEMS

MMC 722  
MMC 723

STATION KEY PROGRAMMING  
SYSTEM KEY PROGRAMMING

# 508

# CALL COST

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

Attributes are as follows:

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

## WARNING

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

## PROGRAM KEYS

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

## DEFAULT DATA

- |                  |             |
|------------------|-------------|
| UNIT COST PER MP | 200 pence   |
| CALL COST RATE   | 100 percent |

## ACTION

1. Press TRSF 508  
Display shows
2. Dial 0 or 1 (e.g. 1)  
OR  
Press UP or DOWN key for selection and press RIGHT soft key to move cursor
3. Enter new value (e.g. 110 for 110 percent)  
OR  
System returns to step 2

## DISPLAY

UNIT COST PER MP  
0200PENCE→

CALL COST RATE  
100%→\_

CALL COST RATE  
110%→\_



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

RELATED ITEMS

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

510

SLI RING CADENCE

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

CADENCE NAMEDESCRIPTION

1. STATION RINGThis is the cadence intercom calls will ring at.
2. TRUNK RINGThis is the cadence trunk calls will ring at.
3. DOOR RINGThis is the cadence door-phone calls will ring at.
4. ALARM RINGThis is the cadence alarm reminder calls will ring at.
5. CALLBACK RINGThis is the cadence call backs will ring at.

DEFAULT DATA

	ON	OFF	ON	OFF
1. STN RING	1000	3000	1000	3000
2. TRUNK RING	400	200	400	3000
3. DOOR RING	400	100	400	2000
4. ALARM RING	200	200	200	2000
5. CBK RING	200	200	200	4000

ACTION

1. Press TRSF 510
- Display shows
2. Press UP or DOWN key to select option
3. Press TRSF to store and exit
- OR
- Press SPK to store and advance to next MMC

DISPLAY

1:STN RING :1000  
3000 1000 3000

2:TRK RING :0400  
0200 0400 3000

RELATED ITEMS

NONE

512

ASSIGN HOLIDAY

Allows the ability to change the value of pulses per second and the duration of the make/break time. This Assigns holiday dates to a station for the current year. Station will remain in Night Service for those periods assigned. Up to 60 dates may be entered.

PROGRAM KEYS

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

DEFAULT DATA

NONE

ACTION

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

DISPLAY

ASSIGN HOLIDAY <u>01</u> :
ASSIGN HOLIDAY 01:_
ASSIGN HOLIDAY <u>01</u> :1225

RELATED ITEMS

NONE

600

ASSIGN OPERATOR GROUP

Used to assign operator group for day and night.

DEFAULT DATA

DAY : 50     NIGHT: 50

ACTION

1. Press TRSF 600  
Display shows
2. Dial the day operator group (e.g., 51)
3. Dial the night operator group
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

OPERATOR GROUP  
D:50 N:50

OPERATOR GROUP  
D:51 N:50

OPERATOR GROUP  
D:51 N:51

RELATED ITEMS

- MMC 211

MMC 406

MMC 601

MMC 602
- DOOR RING ASSIGNMENT

TRUNK RINGING ASSIGNMENT

ASSIGN STATION GROUP

STATION GROUP NAME

The station groups that are available in this MMC provide more flexibility. A station, common bell can be in more than one group, but must all be the same ring type. There is a maximum of 8 members per group.



A device for announcement, if used, must provide a hookflash and return the call to the group.

#### NOTE

If a station is in more than one group and attempts to use the In/Out of Group key, it will be removed from all groups.

**GROUP TYPE :** This is the type of group you are creating and can be one of the following:

- 0. NORMAL GROUP : Used to assign stations in a ring group. The members can be stations, common bell contacts.

**RING MODE :** Each group can have one of the following ring modes. This will decide how calls are sent to the group.

- 0. SEQUENTIAL : The stations listed as members (see below) will be called on a “first available” basis. Calls will first go to the first member; if the first member is busy, calls will go to the second member; if the second member is busy, calls will go to the third member, etc. This type of group is useful for placing the bulk of the incoming calls with a selected individual (the first member), with other members only getting the calls when the first member is busy.
- 1. DISTRIBUTED : The first call will go to the first member, the second call will go to the second member, the third call will go to the third member, and so on. This type of group is useful for evenly distributing the calls among all group members.
- 2. UNCONDITIONAL : Calls are placed with all group members simultaneously. This reduces the number of members of the group to 10. If a group member is busy, they can receive off hook ring if defined in MMC 300.



When a group is called, or a caller is transferred to a group, ringback is sent to the caller. A busy signal will not be returned even if all group members are busy. Calls to a group do not follow the call forwarding instructions of any stations in the group.

## FEATURE KEYS

0	TYPE	Group type (Normal)
1	RING	Ring mode (Sequential, distributed or unconditional)
2	OVERFLOW	Overflow time (000-250 sec.)
3	GRP TRSF	Group transfer time (000-250 sec.)
4	NEXT PORT	Overflow port (Any station, common bell or ring over page)
5	MEMBER	Group members

## RING MODES

- 0 SEQUENTIAL  
The first idle station listed in the group will ring. If the first is busy, the next idle station will ring.
- 1 DISTRIBUTED  
The first call will ring the first station listed in the group. The next call will ring the next station listed in the group.
- 2 UNCONDITIONAL  
All the stations listed in the group will ring. Busy stations will receive off-hook ring.

## DEFAULT DATA

TYPE : NORMAL GRP  
 RING : SEQUENTIAL  
 OVERFLOW : 000 SEC  
 GRP TRSF : 000 SEC  
 NEXT PORT : NONE  
 GROUP MEMBER: 50:FIRST STATION  
 The Others:NONE

## ACTION

1. Press TRSF 601  
Display shows
  
2. Dial group number  
OR  
Press UP or DOWN key to select group and  
Press LEFT soft key to move cursor to TYPE of group  
Dial group type(0-3,e.g.,1)  
OR  
Press UP or DOWN key to make selection and  
Press LEFT soft key to move cursor to TYPE
  
3. Dial feature option number (0-5, e.g., 1)  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to move cursor to ring value
  
4. Dial ring option (0-2, e.g., 1)  
OR  
Press UP or DOWN key to make selection  
Press LEFT soft key to take cursor back to RING or press  
RIGHT soft key to return to step 2
  
5. Dial next feature option and continue  
OR  
Press UP or DOWN key to select option  
OR  
Press LEFT soft key to return to step 2
  
6. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[50] STN GROUP  
TYPE:NORMAL GRP

[50] STN GROUP  
TYPE:NORMAL GRP

[50] STN GROUP  
TYPE: NORMAL GRP

[50] STN GROUP  
RING: DISTRIBUTE

[50] STN GROUP  
RING: DISTRIBUTE

[50] STN GROUP  
RING: DISTRIBUTE

## RELATED ITEMS

MMC 203	ASSIGN UA DEVICE
MMC 204	COMMON BELL CONTROL
MMC 211	DOOR RING ASSIGNMENT
MMC 406	TRUNK RING ASSIGNMENT
MMC 601	ASSIGN STATION GROUP
MMC 602	STATION GROUP NAME

602

## STATION GROUP NAME

Allows the system administrator or technician to enter a name (up to 11 characters) to identify an individual station group.

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



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

COUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	Space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

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

## DEFAULT DATA

NONE

## ACTION

1. Press TRSF 602  
Display shows
2. Dial group number (e.g., 52)  
OR  
Press UP or DOWN key to make selection  
Press LEFT or RIGHT soft key to move cursor
3. Enter name using above method and table
4. Press LEFT or RIGHT soft key to return to step 2  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[50] SGR NAME

[52] SGR NAME

—

[52] SGR NAME  
Business 2

## RELATED ITEMS

MMC 104

MMC 404

MMC 600

MMC 601

STATION NAME

TRUNK NAME

ASSIGN OPERATOR GROUP

ASSIGN STATION GROUP

Allows the assignment of 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 dialing plans. There are two different modes of operation: (1) sequential and (2) distribute.



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

DEFAULT DATA

MODE : SEQUENTIAL  
 MEMBER : Group 9 : ALL TRUNK  
           Remaining trunk groups : NONE

ACTION

1. Press TRSF 603  
Display shows
2. Enter valid trunk group (9, 8)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor
3. Press RIGHT soft key to change mode  
OR  
Press UP or DOWN key to change MODE to MEMBER
4. Press RIGHT soft key to move cursor to number of member and enter valid member number (1-4, e.g., 2) via dial keypad  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
5. Enter valid trunk number (e.g., 71)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
6. Repeat steps 1-5 to remove trunk from group 9 if necessary
7. Press TRSF to store and exit OR Press SPK to store and advance to next MMC

DISPLAY

[9] TRK GROUP  
MODE: SEQUENTIAL

[8] TRK GROUP  
MODE: SEQUENTIAL

[8] TRK GROUP  
MEMBER 1 :NONE

[8] TRK GROUP  
MEMBER 2 :NONE

[8] TRK GROUP  
MEMBER 2 :71

RELATED ITEMS

LCR PROGRAMMING



604

ASSIGN STATION TO PAGE ZONE

Allows the technician to assign a keyset to any of the four internal paging zones and all page (page + \*). The total number of keysets that can receive a page is limited to 4. A keyset may be assigned to more than one zone.

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

The zones assigned for DCS-408/DCS-408i is only 1,2. Due to this fact, zone 1,2 can be flagged as “1”, and 3,4 should be flagged as “0” only.

DEFAULT DATA

No Stations assigned  
All zone is set

ACTION

1. Press TRSF 604  
Display shows
2. Enter index number (1-4,e.g.,2) via dial keypad  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter station number (e.g., 21) via dial keypad  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Move cursor under page zone desired by pressing UP or DOWN key, and enter the digit ‘1’ under zone(e.g.,zone 2)  
Press RIGHT soft key to return to step 2 to continue with entries
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

ENTRY:STN :1234\*  
1:NONE:00001

ENTRY:STN :1234\*  
2:NONE :00001

ENTRY:STN :1234\*  
2:21 :00001

ENTRY:STN :1234\*  
2:NONE:00001

RELATED ITEMS

NONE

605

ASSIGN EXTERNAL PAGE ZONE

Determines which relays will close when external page zone is accessed.



One external page port and one optional port are located on the the base board. The page relay has default DNs of 362. Optional relay has 361.

DEFAULT DATA

NONE

PROGRAM KEYS

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

ACTION

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

DISPLAY

EXT.PAGE ZONE(5)  
MEMBER 1:362

EXT.PAGE ZONE(5)  
MEMBER 1:NONE

EXT.PAGE ZONE(5)  
MEMBER 1:

EXT.PAGE ZONE(5)  
MEMBER 1:361

RELATED ITEMS

MMC 723

SYSTEM KEY PROGRAMMING

606

ASSIGN SPEED BLOCK

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

DEFAULT DATA

SYSTEM : 10 BLOCKS  
STATIONS : 1 BLOCK

ACTION

1. Press TRSF 606  
Display shows
2. Press RIGHT soft key to advance to next line
3. Make a selection of SYSTEM or EXT using  
UP or DOWN key and  
Press RIGHT soft key to advance cursor
4. Enter desired EXT number via dial keypad(e.g.,21)  
OR  
Press the UP or DOWN key to make selection and  
press RIGHT soft key to advance the cursor
5. Enter in valid number for bins(e.g.,0-5 for EXT or 00-20 for  
SYSTEM)  
OR  
Press the UP or DOWN key to make selection and  
press RIGHT soft key to advance the cursor
6. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

FREE LIST:12  
SYSTEM:10

FREE LIST:12  
SYSTEM:10

FREE LIST : 12  
EXT21 :1

FREE LIST : 12  
EXT21 :1

BUSY LIST : 8  
EXT21 :5

RELATED ITEMS

MMC 705  
MMC 706

ASSIGN SYSTEM SPEED DIAL  
SYSTEM SPEED DIAL BY NAME



This feature is for DCS-408i digital keyphone system only.

Provides a means of adding or deleting CLIP review blocks to an individual keyset. With the ability to delete a block or blocks of speed dial, it will not be necessary to waste these on such items as voice mail, DPIMs or for keysets that do not have displays. The Free List shows how many bins are left to be assigned. The system automatically assigns 10 bins to each keyset. Each keyset may be assigned a maximum of 50 bins.

PROGRAM KEYS

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

ACTION

1. Press TRSF 608  
Display shows
2. Dial EXT number (e.g. 22)  
OR  
Use UP or DOWN to select station  
and press RIGHT soft key to move the cursor
3. Dial number of entries (e.g., 50)  
OR  
Press UP or DOWN to select /  
OR  
press HOLD key to delete bin(s)
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] REVIEW BLOCK 10:0060 FREE
[22] REVIEW BLOCK 10:0060 FREE
[22] REVIEW BLOCK 50:0020 FREE

DEFAULT DATA

ONE bin of ten (10) entries

RELATED ITEMS

NONE

700

COPY COS CONTENTS

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

DEFAULT DATA

NONE

PROGRAM KEYS

"F" KEY      Used to advance to MMC 701

ACTION

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

DISPLAY

COPY COS ITEMS  
COS1→ COS1

COPY COS ITEMS  
COS2→ COS1

COPY COS ITEMS  
COS2→ COS3

COS CONTENTS (3)  
TOLL LEVEL : A

RELATED ITEMS

MMC 701                                      ASSIGN COS CONTENTS

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

### COS USE Feature List by Option Number

02.	AUTO RDL	: Retry on busy
03.	CALLBACK	: Callback
04.	CLIP ABN	: CLIP abandon <b>(DCS-408i only)</b>
05.	CLIP INQ	: CLIP inquire <b>(DCS-408i only)</b>
06.	CLIP INV	: CLIP invest <b>(DCS-408i only)</b>
07.	CONFER.	: Conference
08.	DALM CLR	: DISA alarm ring clear
09.	DAY/NIG	: DAY/NIGHT Mode
10.	DIRECT	: Directory dial
12.	DND	: Do Not Disturb
13.	DND OVRD	: DND override
15.	DOOR	: Door ring answer
16.	DSS	: Direct station select
17.	DTS	: Direct trunk select
18.	EXT FWD	: External call forward
19.	FEATURE	: Feature key
20.	FLASH	: Trunk flash
21.	FOLLOW-ME	: Call forward-follow me
22.	FORWARD	: Call forwarding
23.	GRP I/O	: Group in/out
24.	HOLD	: Hold
25.	HOT LINE	: Hot line
26.	INTERCOM	: Intercom call
27.	MESSAGE	: Message
28.	MM PAGE	: Meet me page
29.	NEW CALL	: New call
30.	OHVAED	: Ohvaed
31.	OHVAING	: Ohvaing
32.	ONEA2	: 1A2 Emulation
33.	OPERATOR	: Operator
34.	OUT TRSF	: Outgoing transfer
35.	OVERRIDE	: Override
36.	PAGE 0	: Page zone 0 PAGING
37.	PAGE 1	: Page zone 1 PAGING
38.	PAGE 2	: Page zone 2 PAGING
41.	PAGE 5	: Page zone 5 PAGING
46.	PAGE *	: Page zone* PAGING
47.	PICKUP	: Call pickup
48.	SECURE	: Override secure
49.	SSPD TOL	: System speed dial toll check
50.	STN LOCK	: Station locking
51.	STNGRP01	: Station group 01 calling
52.	STNGRP02	: Station group 02 calling
53.	STNGRP03	: Station group 03 calling
54.	STNGRP04	: Station group 04 calling
82.	SYS SPD	: System Speed Dial
83.	TRKGRP01	: Trunk group 01 calling

- 84. TRKGRP02 : Trunk group 02 calling
- 94. UNCO CNF : CO to CO conference
- 95. ABSENCE : Absence

## CALL STN Group

STN Group is 01 – 04.

## CALL TRK Group

TRK Group is 01 – 02.

## DEFAULT DATA

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

## FEATURE

OVERIDE = NO  
ELSE = YES

## ACTION

- Press TRSF 701  
Display shows
- Dial COS (e.g., 2)  
OR  
Press UP or DOWN key to select COS  
Press RIGHT soft key to move cursor to toll level
- Dial toll level (e.g., 2-see above list)  
OR  
Press UP or DOWN to select new toll level  
OR  
Press RIGHT soft key to advance to COS options
- Dial COS option (e.g., 09-see option list)  
OR  
Press UP or DOWN key to select option  
Press RIGHT soft key to move cursor
- Dial 0 for NO or 1 for YES  
OR  
Press UP or DOWN key to select option  
Press LEFT soft key to return to step 4  
Press RIGHT soft key to return to step 2

## DISPLAY

COS CONTENTS(1)  
TOLL LEVEL:A

COS CONTENTS(2)  
TOLL LEVEL:A

COS CONTENTS(2)  
TOLL LEVEL:C

COS CONTENTS(2)  
09:DND :YES

COS CONTENTS(2)  
09:DND :NO

- 6. Press F key to enter MMC 700 if copy of COS to another COS is required  
(Refer to MMC 700 for copying)
- 7. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

COPY COS ITEMS  
COS1→ COS2

RELATED ITEMS

- |                  |                      |
|------------------|----------------------|
| MMC 700          | COPY COS CONTENTS    |
| MMC 702          | TOLL DENY TABLE      |
| MMC 703          | TOLL ALLOWANCE TABLE |
| TOLL RESTRICTION |                      |



## 702

## TOLL DENY TABLE

Provides a way to make toll restriction (call barring) very easy and flexible. There are 100 entries allowed in the deny table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704. There are six toll levels, B-G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as in-house only by default.

## WILD CARD KEY

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

## DEFAULT DATA

ALL ENTRIES SET TO 0

## ACTION

1. Press TRSF 702  
Display shows

## DISPLAY

DENY(Q01) : BCDEFG  
: 000000

2. Dial index number 001-100 (e.g., 005)  
OR  
Press UP or DOWN key to select index and

DENY(Q05) : BCDEFG  
: 000000

Press RIGHT soft key to move cursor and enter toll pattern via dial keypad (e.g., 212)

DENY(005) : BCDEFG  
212 : 000000

OR

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

DENY(005) : BCDEFG  
21X : 000000

3. Press UP or DOWN key to move cursor along line until under toll class mark 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 TRSF to store and exit OR Press SPK to store and advance to next MMC

## RELATED ITEMS

MMC 301  
MMC 701  
MMC 703  
MMC 704

ASSIGN STATION COS  
ASSIGN COS CONTENTS  
TOLL ALLOWANCE TABLE  
ASSIGN WILD CHARACTER

Provides a way to make toll restriction (call barring) very easy and flexible. There are 100 entries allowed in the deny table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704, Assign Wild Character), more flexibility can be built into toll restriction. There are six toll levels, B-G, which are programmable. Toll level A is set as unrestricted by default and toll level H is set as in-house only by default.

WILD CARD KEY

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

DEFAULT DATA

ALL ENTRIES SET TO 0

ACTION

1. Press TRSF 703  
Display shows
2. Dial index number 001-100 (e.g., 005)  
OR  
Press UP or DOWN key to select index and  
  
press RIGHT soft key to move cursor and enter toll pattern via  
dial keypad (e.g., 21)  
  
OR  
Enter wild card (e.g., 2X) from above list and press RIGHT soft  
key to move cursor to COS options
3. Press UP or DOWN key to move cursor along line until under  
toll class mark Enter a 1 for YES or 0 for NO and press RIGHT  
soft key to return to step 1  
OR  
Press LEFT soft key to return to step 2
4. Press TRSF to store and exit OR Press SPK to store and  
advance to next MMC

DISPLAY

ALOW(Q01)	:BCDEFG
	:000000
ALOW(Q05)	:BCDEFG
	:000000
ALOW(005)	:BCDEFG
<u>2</u> 1	:000000
ALOW(005)	:BCDEFG
2X	:000000
ALOW(001)	:BCDEFG
2X	:000 <u>1</u> 00

RELATED ITEMS

MMC 702	TOLL DENY TABLE
MMC 704	ASSIGN WILD CHARACTER

704

ASSIGN WILD CHARACTER

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.

DEFAULT DATA

ALL ENTRIES SET TO 1

ACTION

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

DISPLAY

:0123456789\*#  
X:111111111111

:0123456789\*#  
Y:111111111111

:0123456789\*#  
Y:111111011111

RELATED ITEMS

- MMC 702  
MMC 703
- TOLL DENY TABLE  
TOLL ALLOWANCE TABLE

705

ASSIGN SYSTEM SPEED DIAL

Enables the assignment of system speed dialing numbers. There are up to 200 entries available for programming.  
Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 24 digits to be dialed. These dialed digits may consist of 0-9, \* and #. If the system recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

DEFAULT DATA

NONE

PROGRAM KEYS

- B     Used to insert a flash code "F"
- C     Used to insert a pause code "P"
- D     Used to insert a pulse/tone conversion code "C"
- E     Used to mask/unmask following digits. shows as "["or"]"
- F     Used to enter name for speed dial bin (see MMC 706)

ACTION

1. Press TRSF 705  
    Display show
2. Dial desired speed index (e.g., 501)  
    OR  
    Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter access code (e.g., 9/71) plus the phone number up to 18 digits (digits will scroll under) and press RIGHT soft key to return to step 2
4. Press F key to toggle to MMC 706, step 3 to enter name
5. Press TRSF to store and exit  
    OR  
    Press SPK to store and advance to next MMC

DISPLAY

SYS SPEED DIAL

500:

SYS SPEED DIAL

501:\_

SYS SPEED DIAL

501:9-P033128097

SYS SPEED NAME

505:

RELATED ITEMS

- MMC 606

MMC 706
- ASSIGN SPEED BLOCK


SYSTEM SPEED DIAL BY NAME

706

SYSTEM SPEED DIAL BY NAME

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

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

**NOTE**

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

COUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

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

DEFAULT DATA

NO NAMES

ACTION

1. Press TRSF 706  
Display shows
2. Dial system speed entry number (e.g., 501)  
OR  
Press UP or DOWN key to select entry number and press  
RIGHT soft key to move cursor
3. Enter name using dial keypad and above table and press RIGHT  
soft key to return to step 2  
  
OR  
Press the F key to toggle to speed dial number to return to  
MMC 705, step 5

DISPLAY

SYS SPEED NAME  
500:

SYS SPEED NAME  
501:\_

SYS SPEED NAME  
501:SEC KP LAB

SYS SPEED DIAL  
505:\_

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

#### RELATED ITEMS

MMC 606  
MMC 705

ASSIGN SPEED BLOCK  
ASSIGN SYSTEM SPEED DIAL

707

AUTHORIZATION CODE

Enables the authorization feature on a per-class of service selection. There are 10 available entries.

DEFAULT DATA

NONE

ACTION

1. Press TRSF 707  
Display shows
2. Dial code index number 01-10 (e.g., 02)  
OR  
Press UP or DOWN key to select index number and press  
RIGHT soft key to move cursor
3. Enter authorization code (maximum four digits) via dial keypad  
(e.g., 3434) and press RIGHT soft key to move cursor
4. Enter class of service number 1-4 (e.g., 04)  
OR  
Press UP or DOWN key to select COS and press RIGHT soft  
key to select and return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

AUTHOR.CODE(Q1)  
CODE:        COS:1

AUTHOR.CODE(02)  
CODE:\_       COS:1

AUTHOR.CODE(02)  
CODE:3434 COS:1

AUTHOR.CODE(Q2)  
CODE:3434 COS:4

RELATED ITEMS

MMC 305

ASSIGN FORCED CODE

708

ACCOUNT CODE

Enables the account code entry feature. There are 100 available entries.

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 708  
Display shows
- 2. Dial code index number 001-100 (e.g., 010)  
OR  
Press UP or DOWN key to select index number and press  
RIGHT soft key to move cursor
- 3. Enter account code (maximum 12 digits) via dial keypad (e.g.,  
4343678) and press RIGHT soft key to move cursor back to  
step 2
- 4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

ACCOUNT CODE  
001:

ACCOUNT CODE  
010:\_

ACCOUNT CODE  
010:4343678

RELATED ITEMS

MMC 305                      ASSIGN FORCED CODE



709

TOLL PASS CODE

Provides a way to identify the access codes needed to work toll restriction (call barring) when the system is used with either a PBX or CENTREX-supplied dial ton (PBX ACCESS CODE); there is a maximum of two (2) entries allowed. Also provides a way of identifying the access codes needed to work toll restriction when the user operates special CO-provided functions (SPECIAL CODE); a maximum of ten (10) entries is allowed.

PROGRAM KEYS

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

DEFAULT DATA

NONE

ACTION

1. Press TRSF 709

Display shows
2. Enter 0 for PBX ACCESS CODE or 1 for SPECIAL CODE

OR

Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter index number (e.g., 2)

OR

Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Enter via dial keypad the desired access/feature code (e.g., 9)

and press RIGHT soft key to enter and return to step 2
5. Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

DISPLAY

PBX ACCESS CODE 1:
SPECIAL CODE 01:
PBX ACCESS CODE 2:
PBX ACCESS CODE 2:
PBX ACCESS CODE 2:9

RELATED ITEMS

- MMC 702 TOLL DENY TABLE
- MMC 703 TOLL ALLOWANCE TABLE

710

LCR DIGIT TABLE

The LCR DIGIT TABLE contains all numerical digits for the completion of outgoing call placement. This table works in conjunction with LCR ROUTE TABLE, LCR TIME TABLE and LCR MODIFY DIGITS TABLE. There is a maximum of 100 entries with a digit string length of 10 numerical digits. This system will automatically maintain entered digit strings in numerical order. The characters \* and # are also accepted for use with feature codes.

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 710  
Display shows
- 2. Dial LCR entry ([001] – [100]) (e.g., 002)  
OR  
Press UP or DOWN to select entry and press RIGHT soft key to move cursor
- 3. Enter LCR digit string via the dial keypad and press RIGHT soft key  
OR  
Press LEFT soft key to return to step 1
- 4. Enter digit length (00-31); cursor will move to RT:  
Enter route selection (1-16)  
  
OR  
Press LEFT soft key to return to length value valid entry will return you to step 1
- 5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

LCR DIGIT (001)  
DIGIT:

LCR DIGIT (002)  
DIGIT:\_

LCR DIGIT (002)  
DIGIT:305426

LCR DIGIT (002)  
LENGTH:10 RT:01

RELATED ITEMS

MMC 712

LCR ROUTE TABLE

## 711

## LCR TIME TABLE

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

TIME	BAND
A	0
B	1
C	2
D	3

LCRT	
LCRT	1
LCRT	2
LCRT	3
LCRT	4

## DEFAULT DATA

ALL DAY 0000:1

## ACTION

1. Press TRSF 711  
Display shows
2. Dial day of week (SUN-SAT, e.g., MON)  
OR  
Press UP or DOWN to make day selection and press RIGHT soft key to move cursor and advance to step 3
3. Dial time band (A-D, e.g., B)  
OR  
Press UP or DOWN to make time band selections and press RIGHT soft key to move cursor and advance to step 4
4. Dial time via keypad (24 hour format) Cursor moves to LCRT (see MMC 712) Dial entry 1-4 System returns to step 2  
OR  
Press UP or DOWN to select entry and press RIGHT soft key to return to step 1

## DISPLAY

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

LCR TIME (MON:A)  
HHMM:0000 LCRT:1

LCR TIME (MON:B)  
HHMM:\_ LCRT:1

LCR TIME (MON:B)  
HHMM:1200 LCRT:1

LCR TIME (MON:B)  
HHMM:1200 LCRT:3

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

## RELATED ITEMS

MMC 712

LCR ROUTE TABLE

## 712

## LCR ROUTE TABLE

The LCR ROUTE TABLE has the responsibility for the selection of a specific trunk group in the completion of an outgoing call. This table works in conjunction with LCR DIGIT TABLE, LCR TIME TABLE, LCR COS TABLE and LCR MODIFIED DIGITS TABLE. After the user dials a valid digit string, the system will use the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum of 16 routes available beginning with ROUTE NUMBER 1. If more than one trunk group is available for call completion, the system will use the first designated trunk group and then start to utilize succeeding trunk groups. If all trunk groups are busy in a selected route, call queue will become active and allocate trunks as they become available.

## DEFAULT DATA

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

## ACTION

1. Press TRSF 712  
Display shows
2. Dial LCR ROUTE index number 1-16  
OR  
Press UP or DOWN to select index and press RIGHT soft key to move cursor and advance to step 3
3. Dial TIME BAND index number 1-4 (e.g., 2)  
OR  
Press UP or DOWN to select index and press RIGHT soft key to move cursor and advance to step 4
4. Dial LCR COS number 1-8 (e.g., 4)  
OR  
Press UP or DOWN to select COS and press RIGHT soft key to move cursor and advance to step 5
5. Dial TRUNK GROUP access code (9,8) (e.g., 9)  
OR  
Press UP or DOWN to select access code and press RIGHT soft key to move cursor and advance to step 6
6. Dial MODIFY DIGITS index number 001-100 (01-50 for DCS-408i) (e.g., 050)  
OR  
Press UP or DOWN to select index number and press RIGHT soft key to move cursor  
OR  
Press RIGHT soft key to enter NO index number
7. Press TRSF to store and exit OR Press SPK to store and advance to next MMC

## DISPLAY

LCR ROUTE (01:1)  
C:1 G:9 M:001

LCR ROUTE (05:1)  
C:1 G:9 M:001

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

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

LCR ROUTE (05:2)  
C:4 G:9 M:---

LCR ROUTE (05:2)  
C:4 G:9 M:050

LCR ROUTE (05:2)  
C:4 G:9 M:050

## RELATED ITEMS

MMC 310  
MMC 710  
MMC 711  
MMC 713

LCR CLASS OF SERVICE  
LCR DIGIT TABLE  
LCR TIME TABLE  
LCR MODIFY DIGIT TABLE

OPTIONMAXIMUM NUMBER OF DIGIT ENTRIES

## DIGIT STRING KEY

## DEFAULT DATA

## ACTION

## DISPLAY

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

## RELATED ITEMS

LCR DIGIT TABLE

## 714

## DID NUMBER AND NAME TRANSLATION



This feature is for DCS-408i digital keyphone system only.

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

There is an extra option to adjust the number of digits to be compared by skipping the programmed counts from the first digit point provided by the Network. If there is no matching number in DDI NUMBER TABLE, the system routes this call to the operator group.

There is a total of 20 entries in the system and each entry consists of the following fields:

- 0 DIGITS                      Digits to be received (max. 12 digits). Wild card (\*) is valid entry.
- 1 DAY DEST                  Destination in day mode. Can be a station, a station group, a trunk or trunk group. Repeat (B) will be acceptable to bypass.
- 2 NIGHT DEST               Destination in day mode. Can be a station, a station group, a trunk or a trunk group. Repeat (B) will be acceptable to bypass.
- 3 CALL WAIT                Toggles YES or NO.
- 4 NOF DEL DGT              Decides the number of digits not to be translated from the first digit received. This is useful when the received digits are prefixed with the same digit(s).
- 5 NAME                       Gives a name to an individual entry (11 characters maximum).

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

COUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

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

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 714  
Display shows
2. Enter valid index number (e.g., 05) via dial keypad  
OR  
Press UP or DOWN arrow to make selection and  
Press RIGHT soft key to move cursor
3. Enter the DDI number (e.g., 4603831) via dial keypad  
and press RIGHT soft key to move cursor (Max. digit is 12)
4. Enter day destination via dial keypad (e.g., 24)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor
5. Enter night destination via dial keypad (e.g., 24)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor
6. Enter 1 for YES (call waiting) or 0 for NO (no call waiting)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor
7. Enter digits to be deleted via dial keypad  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor
8. Enter name using above table  
and press RIGHT soft key to return to step 2
9. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

DID DIGIT (01)  
DGT:

DID DIGIT (05)  
DGT:

DID DIGIT (05)  
DGT:4603831

DID DIGIT (05)  
→D:24 N:

DID DIGIT (05)  
→D:24 N:24

DID DIGIT (05)  
CW:NO DELETE:0

DID DIGIT (05)  
CW:NO DELETE:3

DID DIGIT (05)  
NAME: \_

## DEFAULT DATA

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



## RELATED ITEMS

MMC419

BRI OPTION

## 715

## PROGRAMMED STATION MESSAGE

Allows custom messages to be programmed or default messages to be changed.

Messages are written via the keypad. Each press of a key will select a character. Pressing a different key will move the cursor to the next position. For example, if the message is "Sunbathing," press the number "7" four times to get the letter "S." Now press the number "8" twice to get the letter "U." Continue selecting characters from the table below to complete your message. Pressing the "A" key will change the letter from upper case to lower case.



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

COUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

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

## DEFAULT DATA

01. IN A MEETING
02. OUT ON A CALL
03. OUT TO LUNCH
04. LEAVE A MESSAGE
05. PAGE ME
06. OUT OF TOWN
07. IN TOMORROW
08. RETURN AFTERNOON
09. ON VACATION
10. GONE HOME
- 11-20. EMPTY MESSAGES

## PROGRAM KEYS

"A" KEY Toggles from upper case to lower case

## ACTION

1. Press TRSF 715  
Display shows
2. Enter index number([01]~ [20]) (e.g., 16)  
OR  
Press UP or DOWN arrow to make selection  
Press RIGHT soft key to move cursor
3. Enter message via dial keypad using the above table (maximum 16 characters)  
Use "A" key to toggle upper case/lower case Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

PGM.MESSAGE (Q1)  
IN A MEETING

PGM.MESSAGE (16)  
EMPTY Message

PGM.MESSAGE (16)  
SUNBATHING

## RELATED ITEMS

MMC115

SET PROGRAMMED MESSAGE

## 716

## UK LCR OPTIONS

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

## DEFAULT DATA

NETWORK CODE	NONE
PIN CODE	NONE
CCC OPTION	NONE
STATION PIN NO	ALL STATIONS ARE 1

## OPTIONS

PIN CODE	NONE
0 NETWORK CODE	Provides secondary network access code when the call is routed to the secondary network. 16 entries maximum(each 10 digits maximum in length).
1 PIN CODE	Assigns PIN code used when the call is routed to secondary 131 MCL network.
2 CCC OPTION	Selects Call Cost Option and is related only to 131 Mercury Service.
3 STATION PIN NO	Assigns individual users to selected PIN codes in the system.

## ACTION

1. Press TRSF 716  
Display shows
2. Enter item number(e.g.,1)  
OR  
Press UP or DOWN key to make selection and  
press RIGHT soft key to move cursor
3. Enter index number(e.g.,3)  
OR  
Press UP or DOWN key to make selection and  
Press RIGHT soft key to move cursor back to step 2
4. Enter the desired access via dial keypad and  
press RIGHT soft key to enter and return to step 3
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

NETWORK CODE  
01:

PIN CODE  
1:

PIN CODE  
3:

PIN CODE  
3:\*\*\*\*\*\_

## RELATED ITEMS

MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE TABLE
MMC 713	LCR MODIFY DIGIT TABLE
MMC 812	COUNTRY CODE



This feature is for DCS-408i digital keyphone system only.

This MMC is used for handling CID received from ISDN line for Memory or CID Review dial use. In some situation, crude CLI from network is not the type of later dialling purpose. There is a content which identifying what type of zonal call is being progressed, i.e., Type of Number specified in ETSI. According to Specification, Types of numbers could be:

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

PROGRAM KEYS

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

ACTION

1. Press TRSF 718  
Display shows
2. Enter 0 for COUNTRY or 1 for AREA  
OR  
Press UP or DOWN to make selection and  
press RIGHT soft key to move cursor
3. Enter area code (max. 4 digits) via dial keypad (e.g.,2)  
and  
Press RIGHT soft key to move cursor back to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

MY AREA CODE  
COUNTRY :

MY AREA CODE  
AREA :

MY AREA CODE  
AREA : 2

DEFAULT DATA

COUNTRY : 44

RELATED ITEMS

- CID REVIEW SAVE/DIAL
- CID ABANDONED LIST

720

COPY KEY PROGRAMMING

Provides a tool 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 24B keyset must be copied only to 24B keyset and a 12B keyset to a 12B keyset. There is a strict limitation to copy a 24B keyset to another one : an Euro 24B keyset can be copied only to Euro 24B keyset, and none-Euro 24B keyset only to none-Euro 24B keyset. There is no limitation with 12B keyset : a 12B keyset can be copied to any kind of 12B keyset.

DEFAULT DATA

NONE

ACTION

1. Press TRSF 720  
Display shows
2. Enter station number to copy to (e.g., 22)  
OR  
Press UP or DOWN key to make selection and press RIGHT  
soft key to move cursor
3. Enter station number to copy from (e.g., 22)  
Cursor is returned to step 2  
OR  
Press UP or DOWN key to make selection
4. Press RIGHT soft key to return to step 2  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] COPY KEY  
FROM: NONE

[22] COPY KEY  
FROM: NONE

[22] COPY KEY  
FROM: 22


RELATED ITEMS

- MMC 107
- MMC 721
- MMC 722
- MMC 723
- KEY EXTENDER
- SAVE STATION KEY PROGRAMMING
- STATION KEY PROGRAMMING
- SYSTEM KEY PROGRAMMING

721

SAVE STATON KEY PROGRAMMING

Provides a service tool which will minimize the accidental loss of programmable keys on an DCS-408/DCS-408i digital keyphone system. The method of operation is simple - first the data is saved and then the station can be replaced with another station type or the keys can be reprogrammed to other features. Once testing or replacement is completed, the data can be restored to the station, providing the same type is in place.

 **NOTE** This program is not to be confused with SET RELOCATE (MMC 315). MMC 721 is for saving and restoring the same device type at that port.

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 721  
Display shows
- 2. Enter station number (e.g., 24)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key
- 3. Press UP or DOWN key to make function selection (e.g., SAVE)
- 4. Press RIGHT soft key to enter data and return to step 2  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

[21] SAVE KEY  
RESTORE

[24] SAVE KEY  
RESTORE

[24] SAVE KEY  
SAVE

RELATED ITEMS

- |         |                         |
|---------|-------------------------|
| MMC 107 | KEY EXTENDER            |
| MMC 722 | STATION KEY PROGRAMMING |
| MMC 723 | SYSTEM KEY PROGRAMMING  |

## 722

## STATION KEY PROGRAMMING

Allows the customizing of programmable keys on specific keysets on the DCS-408/DCS-408i digital keyphone system. For keysets, buttons 1 and 2 are set as CALL buttons by default. Features are entered via the dial keypad by pressing the relevant number as shown in the table below. For example, for OHVA, the number 6 is pressed three times. If the BOSS key is required, press 2 for the first letter B and then use the UP or DOWN key to change the selection from BARGE to BOSS.

## DIAL KEYPAD

COUNT	1	2	3	4
<b>DIAL 2</b>	AB	BARGE	CALL	•
<b>DIAL 3</b>	DICT	DICT	FAUTO	•
<b>DIAL 4</b>	GPIK	HDSET	IG	•
<b>DIAL 5</b>	LCR	LCR	LCR	•
<b>DIAL 6</b>	MMPA	NEW	OHVA	•
<b>DIAL 7</b>	PAGE	PAGE	REJECT	SETMG
<b>DIAL 8</b>	TG	UA	VT	•

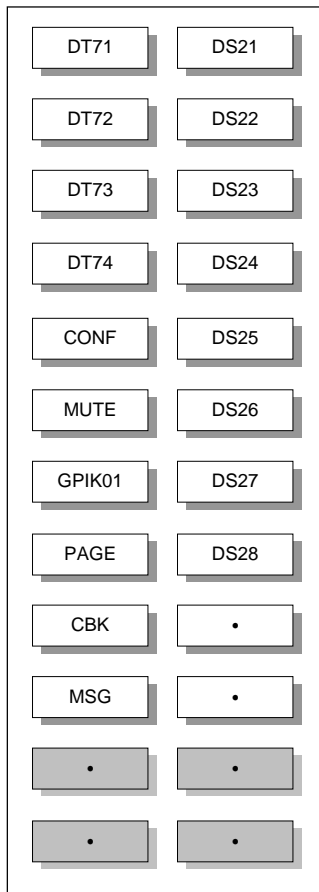
## Programmable Key Assignments

AB_	: ABSENCE
ABAND	: ABANDON <b>(DCS-408i)</b>
ACCT	: ACCOUNT
AN/RLS	: ANSWER/RELEASE
BARGE	: BARGE-IN
BLOCK	: OHVA BLOCK
BOSS_	: BOSS/SECRETARY
CALL_	: CALL BUTTON
CAMP	: STATION CAMP-ON
CANMG	: MESSAGE CANCEL
CBK	: CALLBACK
CLIP	: CLIP <b>(DCS-408i)</b>
CONF	: CONFERENCE
CSNR	: CLIP SAVED NUMBER REDIAL <b>(DCS-408i)</b>
DICT	: DICTATION
DIR_	: DIRECTORY
DLOCK	: DOOR LOCK
DND	: DO NOT DISTURB
DP_	: DIRECT PICKUP
DROP	: DROP
DS_	: DSS KEY
DT_	: DTS KEY
FAUTO	: FORCED AUTO ANSWER
FLASH	: FLASH
FWRD	: CALL FORWARD
GPIK_	: GROUP PICKUP
HDSET	: HEADSET MODE
HLDPK	: HOLD PICKUP
IG_	: IN/OUT OF GROUP
INQUIRE	: CLIP INQUIRE <b>(DCS-408i)</b>
ISPY	: CLIP SPY <b>(DCS-408i)</b>
LCR	: LEAST COST ROUTING
LISTN	: GROUP LISTENING
LNR	: LAST NUMBER REDIAL

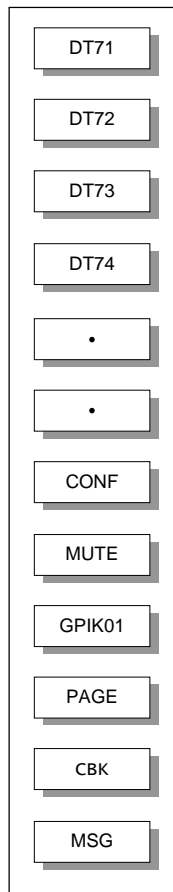
MMPA : MEET ME PAGE ANSWER  
 MMPG\_ : MEET ME PAGE  
 MSG : MESSAGE  
 MUTE : MUTE  
 NEW : NEW CALL  
 NIGHT : NIGHT SERVICE  
 NND : CLIP NUMBER/NAME/DATE **(DCS-408i)**  
 NXT : CLIP NEXT  
 OHVA : OFF-HOOK VOICE ANNOUNCES  
 OPER : OPERATOR  
 PAGE\_ : PAGE  
 PAGPK : PICKUP PAGE HOLD  
 PARK\_ : CALL PARK/RETRIEVE  
 PAUSE : PAUSE  
 PMSG\_ : PROGRAMMED STATION MESSAGE  
 REJECT : OHVA REJECT  
 RETRY : AUTO REDIAL ON BUSY  
 SETMG : SET MESSAGE W/O RING  
 STORE : CLIP STORE **(DCS-408i)**  
 REVW : CLIP REVIEW **(DCS-408i)**  
 SG\_ : STATION GROUP  
 SNR : SAVED NUMBER REDIAL  
 SPD\_ : SPEED DIAL  
 TG\_ : TRUNK GROUP  
 TIMER : TIMER  
 UA : UNIVERSAL ANSWER  
 VT : VOICEMAIL TRANSFER

## DEFAULT DATA

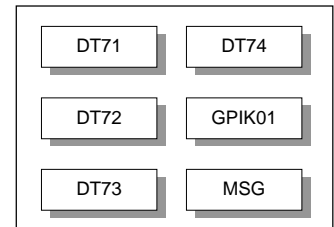
< 24B Keyset Layout >



< 12B keyset >



< 6B Keyset >





## ACTION

1. Press TRSF 722  
Display shows
2. Enter selected station number (e.g., 24)  
OR  
Press UP or DOWN key to select station  
Press RIGHT soft key to move cursor
3. Enter selected key number (e.g., 03)  
OR  
Press UP or DOWN key to select key number  
Press RIGHT soft key to move cursor
4. Using above chart, press dial keypad number to make selection  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to advance cursor to step 5 to enter extender if required or to return to step 2
5. If required, enter extender (e.g., 03)  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to return to step 2
6. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[21] KEY PROG  
01:DT71→

[24] KEY PROG  
01:DT71→

[24] KEY PROG  
03:DT73 →DT

[24] KEY PROG  
03:DT73→ GPIK\_

[24] KEY PROG  
03:DT73 →GPIK03

## RELATED ITEMS

MMC 107

KEY EXTENDER

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



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

## DIAL KEYPAD

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

## TYPE OF SET

DIAL	0	24 BTN SETS
DIAL	1	24 EURO SETS
DIAL	2	12 BTN SETS
DIAL	3	6 BTN SETS

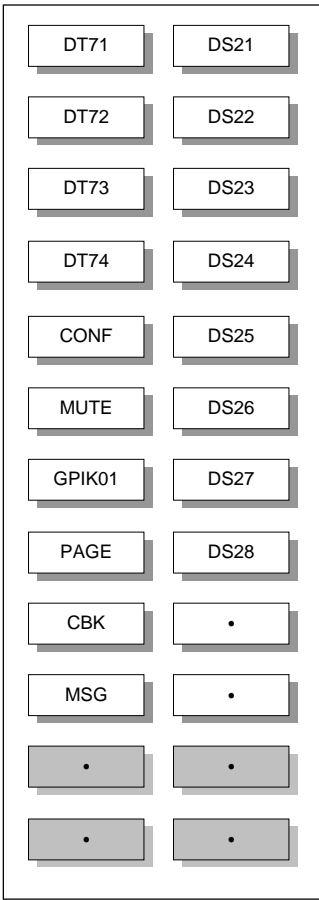
## Programmable Key Assignments

AB_	: ABSENCE
ABAND	: ABANDON <b>(DCS-408i)</b>
ACCT	: ACCOUNT
AN/RLS	: ANSWER/RELEASE
BARGE	: BARGE-IN
BLOCK	: OHVA BLOCK
BOSS_	: BOSS/SECRETARY
CALL_	: CALL BUTTON
CAMP	: STATION CAMP-ON
CANMG	: MESSAGE CANCEL
CBK	: CALLBACK
CLIP	: CLIP <b>(DCS-408i)</b>
CONF	: CONFERENCE
CSNR	: CLIP SAVED NUMBER REDIAL <b>(DCS-408i)</b>
DICT	: DICTATION
DIR_	: DIRECTORY
DLOCK	: DOOR LOCK
DND	: DO NOT DISTURB
DP_	: DIRECT PICKUP
DROP	: DROP
DS_	: DSS KEY
DT_	: DTS KEY

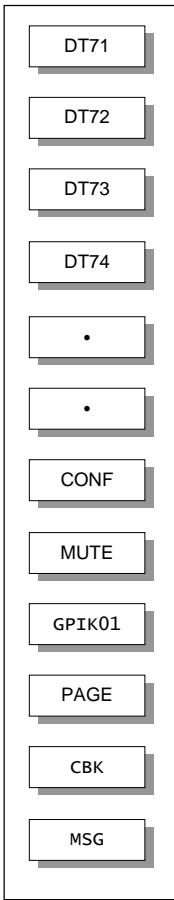
FAUTO	: FORCED AUTO ANSWER
FLASH	: FLASH
FWRD	: CALL FORWARD
GPIK_	: GROUP PICKUP
HDSET	: HEADSET MODE
HLDPK	: HOLD PICKUP
IG__	: IN/OUT OF GROUP
INQUIRE	: CLIP INQUIRE <b>(DCS-408i)</b>
ISPY	: CLIP SPY <b>(DCS-408i)</b>
LCR	: LEAST COST ROUTING
LISTN	: GROUP LISTENING
LNR	: LAST NUMBER REDIAL
MMPA	: MEET ME PAGE ANSWER
MMPG_	: MEET ME PAGE
MSG	: MESSAGE
MUTE	: MUTE
NEW	: NEW CALL
NIGHT	: NIGHT SERVICE
NND	: CLIP NUMBER/NAME/DATE <b>(DCS-408i)</b>
NXT	: CLIP NEXT <b>(DCS-408i)</b>
OHVA	: OFF-HOOK VOICE ANNOUNCE
OPER	: OPERATOR
PAGE__	: PAGE
PAGPK	: PICKUP PAGE HOLD
PARK_	: CALL PARK/RETRIEVE
PAUSE	: PAUSE
PMSG__	: PROGRAMMED STATION MESSAGE
REJECT	: OHVA REJECT
RETRY	: AUTO REDIAL ON BUSY
REVV	: CLIP REVIEW <b>(DCS-408i)</b>
SETMG	: SET MESSAGE W/O RING
SG__	: STATION GROUP
SNR	: SAVED NUMBER REDIAL
SPD__	: SPEED DIAL
STORE	: CLIP STORE <b>(DCS-408i)</b>
TG__	: TRUNK GROUP
TIMER	: TIMER
UA	: UNIVERSAL ANSWER
VT	: VOICEMAIL TRANSFER

DEFAULT DATA

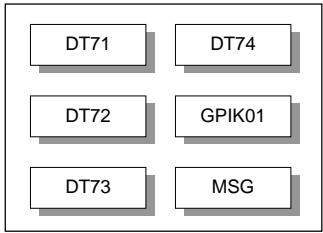
< 24B Keyset Layout >



< 12B keyset >



< 6B Keyset >



ACTION

1. Press TRSF 723  
Display shows
2. Enter the type of keyset via dial keypad (e.g., 0)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter key number to program (e.g., 03)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Using above table, press dial keypad number to make feature selection (e.g. GPIK)  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to advance cursor to step 5 to enter extender if required  
OR  
Press LEFT soft key to return to step 3

DISPLAY

TYPE:24 BTN SETS  
01:DT71 →

TYPE:24 BTN SETS  
01: DT71 →

TYPE:24 BTN SETS  
03:DT73 →DT

TYPE:24 BTN SETS  
03:DT73 →GPIK\_

5. If required, enter extender (e.g., 03)  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to return to step 2  
Press LEFT soft key to return to step 3

TYPE:24 BTN SETS  
Q3:DT73 → GPIK03

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

## RELATED ITEMS

MMC 107

KEY EXTENDER

This MMC allows the technician to change directory numbers for stations, trunks, station groups, trunk groups and feature access codes.

DIAL	OPTION	DESCRIPTION
0	STN DIAL NUMBER	This is where station directory numbers are changed or assigned.
1	TRK DIAL NUMBER	This is where trunk directory numbers are changed or assigned.
3	MISC DIAL NUMBER	This is where directory numbers for MOH, External Page and Dry Contact port are changed or assigned.
4	STNG DIAL NUMBER	This is where station group numbers are changed or assigned.
5	TRKG DIAL NUMBER	This is where trunk group numbers are changed or assigned.
6	FEAT DIAL NUMBER	This is where feature access codes are changed or assigned. Dialing codes are entered via the dial keypad by pressing the relevant number as shown in the table below. For example, for OHVA, the number 6 would be pressed three times.
7	S0 STN DIAL NO.	Determines the S0 station dialing number. - <b>DCS-408i</b> only

**NOTE**

Please remember that this program is system-wide.

## DIAL KEYPAD

COUNT→	1	2	3	4
<b>DIAL 2</b>	ABS	BARGE	CAMP	•
<b>DIAL 3</b>	DICT	DICT	FAUTO	•
<b>DIAL 4</b>	GPIK	HDSET	IG	•
<b>DIAL 5</b>	LCR	LCR	LCR	•
<b>DIAL 6</b>	MMPA	NEW	OHVA	•
<b>DIAL 7</b>	PAGE	PAGE	SEGMA	SELFID
<b>DIAL 8</b>	UA	UA	UA	•
<b>DIAL 9</b>	WCOS	WCOS	WCOS	•

ABAND : ABANDON (**DCS-408i**)  
 ABS : ABSENCE  
 ACCT : ACCOUNT  
 AUTH : AUTHORIZATION  
 BARGE : BARGE-IN  
 BLOCK : OHVA BLOCK  
 BOSS : BOSS/SECRETARY  
 CAMP : STATION CAMP-ON  
 CANMG : MESSAGE CANCEL  
 CBK : CALLBACK  
 CONF : CONFERENCE  
 DICT : DICTATION  
 DIR : DIRECTORY  
 DIRPK : DRECT PICK UP  
 DISALM : DISA ALARM CLEAR

DLOCK : DOOR LOCK  
DND : DO NOT DISTURB  
DNDOVR : DND OVERRIDE  
FAUTO : FORCED AUTO ANSWER  
FLASH : FLASH  
FWD : CALL FORWARD  
GRPK : GROUP PICKUP  
HDSET : HEADSET MODE  
HLDPK : HOLD PICKUP  
HOLD : HOLD  
IG : IN/OUT OF GROUP  
LCR : LEAST COST ROUTING  
LISTN : GROUP LISTENING  
LNR : LAST NUMBER REDIAL  
MMPA : MEET ME PAGE ANSWER  
MMPG : MEET ME PAGE  
MSG : MESSAGE  
MYGRPK : MY GROUP PICK UP  
NEW : NEW CALL  
NIGHT : NIGHT  
OHVA : OFF-HOOK VOICE ANNOUNCE  
OPER : OPERATOR  
PAGE : PAGE  
PAGPK : PICKUP PAGE HOLD  
PARK : CALL PARK/RETRIEVE  
PAUSE : PAUSE  
PMSG : PROGRAMMED STATION MESSAGE  
REJECT : OHVA REJECT  
SELFID : SELF ID  
SETMG : SET MESSAGE W/O RING  
SLTMMC : SLT PROGRAMMING  
SNR : SAVED NUMBER REDIAL  
SPEED : SPEED DIAL  
UA : UNA PICK UP  
WCOS : WALKING COS

## DEFAULT DATA

STN DIAL NUMBER : Running number from 21 according to the card installation  
4DLI (Base DLI) : 21 ~ 24  
4SLI (Base SLI) : 25 ~ 28  
TRK DIAL NUMBER : Running number from 71 according to the card installation  
4TRK/2BRI (Base TRK) : 71-74  
MISC DIAL NUMBER : BGM is 371, General-purpose relay is 361 and External Page port is 362.  
STNG DIAL NUMBER : 50~ 53  
TRKG DIAL NUMBER : 9, 8  
S0 STN DIAL NUMBER: 7801-7808

## FEAT DIAL NUMBER

ABAND : 64  
ABS : NONE  
ACCT : 47  
AUTH : \*  
BARGE : NONE

BLOCK	: NONE
BOSS	: NONE
CAMP	: 45
CANMG	: 42
CBK	: 44
CONF	: 46
DICT	: NONE
DIR	: NONE
DIRPK	: 65
DISALM	: 58
DLOCK	: 13
DND	: 40
DNDOVR	: NONE
FAUTO	: 14
FLASH	: 49
FWD	: 60
GRPK	: 66
HDSET	: NONE
HLDPK	: 12
HOLD	: 11
IG	: NONE
LCR	: NONE
LISTN	: NONE
LNR	: 19
MMPA	: 56
MMPG	: 54
MSG	: 43
MYGRPK	: NONE
NEW	: NONE
NIGHT	: NONE
OHVA	: NONE
OPER	: 0
PAGE	: 55
PAGPK	: 10
PARK	: NONE
PAUSE	: NONE
PMSG	: 48
REJECT	: NONE
SELFID	: NONE
SETMG	: 41
SLTMMC	: 15
SNR	: 17
SPEED	: 16
UA	: 67
WCOS	: 59

## ACTION

1. Press TRSF 724  
Display shows

## DISPLAY

STN DIAL NUMBER  
4DLI01:21



2. Enter option number to make selection 0-7 (e.g., 3)  
OR  
Press UP or DOWN key to make selection and press RIGHT  
soft key to advance cursor

```
FEAT DIAL NUMBER
ABS      :NONE→
```

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

```
FEAT DIAL NUMBER
DICT      :NONE→
```

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

```
FEAT DIAL NUMBER
DICT:NONE →68_
```

5. Press LEFT soft key to enter changes and  
continue to make changes  
OR  
Press RIGHT soft key to enter changes and return to step 2;

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

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

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

## RELATED ITEMS

### ALL PROGRAMS AND FEATURES

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

- 00. PAGE HEADER : This option determines whether a page header will print at the top of each page. This would normally be turned off if SMDR is being sent to a Call Accounting machine.
- 01. LINE PER PAGE : This option selects the length of each page to determine when to print the SMDR header. The number of lines may be in the range 01-99.
- 02. INCOMING CALL : This option determines whether incoming calls will print on SMDR.
- 03. OUTGOING CALL : This option determines whether outgoing calls will print on SMDR.
- 04. AUTHORIZE CODE : This option determines whether authorization codes will print on SMDR.
- 05. SMDR START TIME : Determines whether or not to print a phone call which is finished prior to SMDR start time.
- 06. IN/OUT GROUP : This option allows a message, IN GROUP or OUT GROUP, to be printed in the digits dialed column each time a station enters or leaves a group.
- 07. DND CALL : This option allows a message, IN GROUP or OUT GROUP, to be printed in the digits dialed column each time a station enters or leaves DND.
- 08. WAKE-UP CALL : This option determines whether stations receiving an alarm reminder call will print on SMDR.
- 09. DIRECTORY NAME : This option allows the system administrator to enter a 16 character name which will appear on the SMDR header.
- 10. CALLER ID 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 80 column printer set for condensed print. **(DCS-408i only)**
- 11. ABANDON CALLS : If this option is set to YES, unanswered calls will print on SMDR. **(DCS-408i only)**
- 13. NO. OF DIAL MASK : The number of digits not to be printed while dialing (maximum 18 digits)
- 14. DID NUM/NAME : Determines whether DID number and name print on SMDR. **(DCS-408i only)**

The DIRECTORY NAME that appears on the SMDR header is programmed as follows. Names are written using the dial keypad. Each press of a key will select a character. Pressing the next key will move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" four times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message.



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

OUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

## DEFAULT DATA

PAGE HEADER : YES  
 LINE PER PAGE : 66 LINE  
 INCOMING CALL : YES  
 OUTGOING CALL : YES  
 AUTHORIZE CODE : YES  
 SMDR START TIME : YES  
 IN/OUT GROUP : YES  
 DND CALL : YES  
 WAKE-UP CALL : YES  
 DIRECTORY NAME : NONE  
 CALLER ID DATA : YES  
 ABANDON CALL : YES  
 NO. OF DIAL MASK : 00  
 DID NUM/NAME : YES

## ACTION

- Press TRSF 725  
Display shows
- Dial the option number (e.g., 01)  
OR  
Use the UP or DOWN key to scroll through the options and press the RIGHT or LEFT soft key to select option
- Enter the number of lines per page in the range 01-99 (e.g., 50)  
OR  
Use UP or DOWN to change number of lines and press the RIGHT or LEFT soft key to save the data and return to step 2
- If option 0 is selected at step 2

## DISPLAY

PAGE HEADER  
PRINT: YES

LINE PER PAGE  
66 LINE / PAGE

LINE PER PAGE  
50 LINE / PAGE

OR

LINE PER PAGE  
50 LINE / PAGE

PAGE HEADER  
PRINT: YES

5. If option 2 is selected at step 2

INCOMING CALL  
PRINT: NO

6. If option 3 is selected at step 2

OUTGOING CALL  
PRINT: YES

7. If option 4 is selected at step 2

AUTHORISE CODE  
PRINT: NO

8. If option 5 is selected at step 2

SMDR SMART TIME  
PRINT: YES

9. If option 6 is selected at step 2

IN/OUT GROUP  
PRINT: NO

10.If option 7 is selected at step 2

DND CALL  
PRINT: NO

11.If option 8 is selected at step 2

WAKE-UP CALL  
PRINT: YES

12.If option 9 is selected at step 2

DIRECTORY NAME  
—

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

DIRECTORY NAME  
TELECOMS

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

DIRECTORY NAME  
TELECOMS

13.If option 11 is select at step 2

NO.OF DIAL MASK  
00

14. After all desired options have been selected, Press TRSF to exit  
OR  
Press SPK to exit and move to the next MMC

## RELATED ITEMS

MMC 300

CUSTOMER ON/OFF PER STATION

This MMC is used to define all in-band DTMF codes sent to voice mail ports. These in-band codes can be 0-9, A, B or C, and perform two functions.

## CALL AND TYPE INFORMATION

This is a DTMF signaling string sent to a voice mail port when the voice mail port answers a call. This DTMF information tells the voice mail port what type of call it is receiving and where the call is coming from e.g. call has forwarded from extension 22.

## CALL PROGRESS TONES

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

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

## CALL AND TYPE INFORMATION

The format of DTMF data sent to a VM/AA port is as follows:  
[CALL TYPE] + [DN1] + [SEPARATOR] + [DN2]

and an example of this would be  
[FORWARD ALL] from [22] on trunk [72]

Each field can be programmed individually as follows:

**0. EXTENSION FOR DN1:** If set to yes, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will send data in the DN1 field indicating that a station is ringing the VM/AA port.

If set to no, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will not send station data in the DN1 field.

**1. TRUNK FOR DN1 :** If set to yes, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will send data in the DN1 field indicating that a trunk is ringing the VM/AA port.

If set to no, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will not send trunk data in the DN1 field.

**2. EXTENSION FOR DN2 :** If set to yes, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will send data in the DN2 field indicating that an originating station is ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will not send station data in the DN2 field.

**3. TRUNK FOR DN2 :** If set to yes, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will send data in the DN2 field indicating that an originating trunk is ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the DCS-408/DCS-408i digital keyphone system will not send trunk data in the DN2 field.

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

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

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

- |    |              |  |
|----|--------------|--|
| 0. | DIRECT CALL  | A call originating directly from another station in the system.  |
| 1. | ALL FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set.       |
| 2. | BSY FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set.      |
| 3. | NOA FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set. |
| 4. | RECALL       | A call is recalling the VM/AA port after being transferred and not answered.                               |
| 5. | DIR TRK CALL | A C.O. call has gone directly to VM/AA (e.g., trunk 71 DIL to VM/AA).                                      |
| 6. | OVERFLOW     | A call has OVERFLOWED to the VM/AA port from a station group.  |
| 7. | DID CALL     | A DID call has called the VM/AA port.  |
| 8. | MESSAGE CALL | A message button or message reply feature code has been used to call the VM/AA port.                       |

#### 7. PROGRESS TONE ID

These are the DTMF codes that are sent to the VM/AA port in place of regular progress tones. For example, when a VM/AA port goes off hook to originate or transfer a call, instead of hearing normal dial tone, it will hear DTMF "BA".

Progress tones can greatly increase the efficiency of a VM/AA system because it is easier and quicker to detect DTMF than a busy, ringback or DND tone.

Progress tones can identify any of the following.

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

#### GENERAL RULES

- 21 is talking to a trunk and presses TRANSFER plus the station number, but the station is forwarded to VM/AA and VM/AA answers. When this happens, if 21 presses TRANSFER again to return to the trunk, the VM/AA port is not on hold. It is disconnected.
- A VM/AA port leaves a message indication for a station. When the station returns the message, any available port in the VM/AA group should ring, not only the one that left the message.
- A VM/AA port leaves a message for a station. When the station returns the message, the MESSAGE LED is not automatically turned off. If a VM/AA system turns on the MESSAGE LED, the VM/AA system must turn it off.
- If DTMF call progress tones are not enabled, the system sends regular call progress tones (see Item #3).
- When a VM/AA port calls a station that is in the AUTO ANSWER or VOICE ANNOUNCE mode, the keyset will be forced to ring.
- All calls to a VM/AA port or group will ring with C.O. Line ringing cadence, not intercom ring cadence.

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

In the following example, all call and type data is turned on unless otherwise stated.

X is the separator digit, all-default values are used in these examples and [ ] means an item is not used.

A DIL 71 calls a VM/AA port or group:

[\*] + [71] + [ ] + [ ]

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

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

DIL 71 calls a call-forwarded station (24):

[#] + [24] + [X] + [71]

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

[ ] + [24] + [X] + [71]

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

[ ] + [24] + [ ] + [ ]

DIL 71 calls group 51 that overflows to VM/AA:

[#] + [51] + [x] + [71]

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

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

A DID call rings the VM/AA directly:

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

9999 are the DID digits from C.O.

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

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

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

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

A station (21) transfers a C.O. call (72) to a station (22) that is Call Forward All to a VM/AA group or port. When the transferring station hangs up (blind transfer) and the VM/AA group or port answers:

[#] + [22] + [x] + [72]

A station (21) transfers a C.O. call (72) to a group (51) that overflows to a VM/AA group or port:

[#] + [51] + [X] + [72]

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

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

A station (24) calls a VM/AA port or group:

[\*] + [24] + [ ] + [ ]

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

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

A station (24) calls using MESSAGE key:

[\*] + [24] + [ ] + [ ]

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

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

A call (72) recalls back from station 22 to the VM/AA group:

[#] + [24] + [x] + [72]

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

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

## DEFAULT DATA

EXT FOR DN1 : NO  
 TRK FOR DN1 : NO  
 EXT FOR DN2 : NO  
 TRK FOR DN2 : NO  
 SEPARATOR : NO  
 DISCONNECT SIGNAL : NO

### CALL TYPE ID

DIRECT CALL : NO  
 ALL FWD CALL : NO  
 BSY FWD CALL : NO  
 NOA FWD CALL : NO  
 RECALL : NO  
 DIR TRK CALL : NO  
 OVERFLOW : NO  
 DID CALL : NO  
 MESSAGE CALL : NO

### PROGRESS TONE ID

DIAL TONE : NO  
 BUSY TONE : NO  
 RINGBAK TONE : NO  
 DND NO MORE : NO  
 HDSET ANSWER : NO  
 SPKER ANSWER : NO

## PROGRAM KEYS

- A Used to input alpha character "A"
- B Used to insert alpha character "B"
- C Used to insert alpha character "C"

## ACTION

1. Press TRSF 726  
 Display shows
2. Enter the option number from above list (e.g., 4)  
 OR  
 Press UP or DOWN key to make selection  
 Press LEFT soft key to move cursor
3. System will take you to the relevant step 4-11  
 Enter 1 for YES or 0 for NO  
 Press UP or DOWN key for selection  
 Press RIGHT soft key to return to step 2

## DISPLAY

EXT FOR DN1  
 YES

SEPARATOR  
 NO

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)

DISCONNECT 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 option list under CALL TYPE ID

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 option list under PROGRESS TONE ID

PROGRESS TONE ID  
DIAL TONE : BA

## RELATED ITEMS

MMC 207

ASSIGN VM/AA PORT

727

SYSTEM VERSION DISPLAY

This is a read-only MMC. Used only for system version display.

PROGRAM KEYS

SPK                      Used to store data and advance to next MMC

DEFAULT DATA

ROM and installed cards version & date

ACTION

- 1. Press TRSF 727  
Display shows
- 2. Press TRSF to exit  
OR  
Press SPK to advance to next MMC

DISPLAY

ROM VERSION  
'00.08.20 v1.00

RELATED ITEMS

NONE



NOTE

If no card is installed, display is NO INSTALL CARD

## 728

## CLIP TRANSLATION TABLE



This feature is for DCS-408i digital keyphone system only.

Allows the system administrator or technician to associate a CLIP number received from the central office with a name programmed in this translation table. If there is no match between a received number and a name in this table, “no CLIP name” is displayed.

The translation table consists of 100 entries, each comprising a 16–digit telephone number and a 14–digit name.

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



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

COUNT	1	2	3	4	5
DIAL0	Q	Z	.	)	0
DIAL1	space	?	,	!	1
DIAL2	A	B	C	@	2
DIAL3	D	E	F	#	3
DIAL4	G	H	I	\$	4
DIAL5	J	K	L	%	5
DIAL6	M	N	O	^	6
DIAL7	P	Q	R	S	7
DIAL8	T	U	V	*	8
DIAL9	W	X	Y	Z	9
DIAL*	:	=	[	]	*

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

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 728  
Display shows first entry
2. Dial entry number (e.g.,005)  
OR  
Press UP or DOWN arrow to select and  
Press RIGHT soft key to move cursor
3. Enter telephone number and press RIGHT soft key  
to advance to name entry  
OR  
Enter telephone number and  
press LEFT soft key to return to step 2
4. Enter associated name as described above and press  
RIGHT or LEFT soft key to return step 2  
OR  
Press SPK to save and advance to next MMC  
OR  
press TRSF to save and exit programming
5. Enter night destination via dial keypad (e.g.,24)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor

## DISPLAY

CLIP XLAT (Q01)  
DGT:

CLIP XLAT (Q05)  
DGT:

CLIP XLAT (Q05)  
825464602834

CLIP XLAT (Q05)  
SAMSUNG CO.

## DEFAULT DATA

NONE

## RELATED ITEMS

NONE

800

ENABLE TECHNICIAN PROGRAM

Used to open and close technician level programming. If programming is not opened and an attempt is made to access a system MMC, the error message "ACCESS DENIED" will be displayed.  
A four-digit passcode is required to access this MMC. Each character can be digits 0-9 or \*. When opened, this MMC enables access to all MMCs.

DEFAULT DATA  
DISABLE

ACTION

1. Press TRSF 800  
Display shows
2. Enter passcode  
Correct code shows  
  
Incorrect code shows
3. Press UP or DOWN to open or close  
OR  
Enter 1 to enable or 0 to disable
4. Press SPK to advance to MMC entry level
5. To log out and return to MMC 800, press UP or DOWN key to  
select DISABLE  
OR  
Press SPK then TRSF to return to normal display  
Programming option will time out

DISPLAY

ENABLE TECH.PROG  
PASSCODE : \_

ENABLE TECH.PROG  
DISABLE

ENABLE TECH.PROG  
PASSCODE ERROR

ENABLE TECH.PROG  
ENABLE

RELATED ITEMS

- MMC 801
- CHANGE TECHNICIAN PASSCODE


**NOTE**

## DEFAULT DATA

## ACTION

- ## DISPLAY

TECH. PASSCODE  
NEW CODE : \*\*\*\*

## RELATED ITEMS

## MMC 800

## ENABLE TECHNICIAN PROGRAM

## 802

## CUSTOMER ACCESS MMC NUMBER

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

## DEFAULT DATA

100. STN LOCK : YES  
 504. M/B RATE : NO  
 506. TONE CAD : NO  
 510. SLI RING : NO  
 511. HOLIDAY : NO  
 603. TRK GRP : NO  
 700. COPY COS : NO  
 701. COS ITEM : NO  
 702. TOL.DENY : NO  
 703. TOL.ALLOW : NO  
 704. WILD CAR : NO  
 709. TOL.PASS : NO  
 710. LCR DGT : NO  
 711. LCR TIME : NO  
 712. LCR ROUT : NO  
 713. LCR MODF : NO  
 716. UK LCR : NO  
 723. SYS KEY : NO  
 724. NUM PLAN : NO  
 726. VMAA OPT : NO  
 OTHERS : YES

## ACTION

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

## DISPLAY

CUSTOMER ACCESS  
100:STN LOCK:YES

CUSTOMER ACCESS  
 102:STN TIME:YES

CUSTOMER ACCESS  
102:STN TIME:NO

## RELATED ITEMS

NONE

Provides a means of assigning a system I/O port for use with one of the service types detailed below. There is one I/O port available on the DCS-408/DCS-408i digital keyphone system (see below).

There is 1 port in DCS-408/DCS-408i digital keyphone system, and the default value of the port is designated as 'SMDR'.

#### PARAMETER OPTIONS

Dial 0	Service	Type of Service
Dial 1	Baud Rate	Speed
Dial 2	Char Length	Character Length
Dial 3	Parity	Parity Bit
Dial 4	Retry Count	Number of Retries
Dial 5	Stop Bit	Stop Bit
Dial 6	Wait Time	Message Wait Time
Dial 7	DSR Check	DSR Check

#### SERVICE TYPE

Dial 0	PCMMC
Dial 1	SMDR
Dial 2	NOT USE

#### BAUD (SPEED)

Dial 2	1200bps
Dial 3	2400bps
Dial 4	4800bps
Dial 5	9600bps

#### CHARACTER LENGTH

Dial 7	7 bits
Dial 8	8 bits

#### PARITY

Dial 0	None
Dial 1	Odd
Dial 2	Even

#### STOP BIT

Dial 1	1 bit
Dial 2	2 bit

#### DEFAULT DATA

	PORT1
SERVICE	: SMDR
BAUD RATE	: 9600 BPS
CHAR LENGTH	: 8 BITS
PARITY	: NONE
RETRY COUNT	: 3
STOP BIT	: 1 BIT
WAIT	: 300 SEC
DSR CHECK	: ON



## ACTION

1. Press TRSF 804  
Display shows
2. Enter parameter desired via dial keypad from the above option list  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to move cursor
3. Enter parameter desired via dial keypad from the above option list  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
4. Enter the service type desired via keypad  
OR  
Press UP or DOWN key to display service type and press RIGHT soft key to return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

```
SYS I/O PORT :1  
SERVICE:NOT USE
```

```
SYS I/O PORT :1  
SERVICE :SMDR
```

```
SYS I/O PORT (1)  
SERVICE:NOT USE
```

```
SYS I/O PORT (1)  
SERVICE:SMDR
```

## RELATED ITEMS

MMC 725

SMDR OPTIONS

## 805

## TX LEVEL AND GAIN

Allows the system administrator to set the base level of TX volume and the gain control for nine time-switch connect types.

There are eight (8) volume levels which can be controlled by the VOL UP and DOWN key on the keyset. However, there are 4 possible levels in the system. With this MMC, users can select the desired eight levels.

## PROGRAM KEYS

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

## DEFAULT DATA

TX Level : 0→ 1, 1→ 2, 2→ 3, 3→ 4, 4→ 5, 5→ 6, 6→ 7, 7→ 8  
 TSW Gain: SLT→ SLT : +0.0 (DCS-408)  
 SLT→ ATRK : +0.0 (DCS-408i)  
 SLT→ DTRK : +0.0 (DCS-408i)  
 ATRK→ SLT : +0.0 (DCS-408)  
 DTRK→ SLT : +1.9 (DCS-408i)  
 ATRK→ ATRK : +1.9 (DCS-408)  
 DTRK→ DTRK : +0.0 (DCS-408i)

## ACTION

1. Press TRSF 805  
Display shows
2. Press UP or DOWN key to select TX LEVEL CONTROL TX GAIN CONTROL  
Press RIGHT soft key to go to the volume level or TSW option
- 3a. Press RIGHT soft key to go to the volume level  
OR  
Press UP or DOWN key to go to the next volume level
- 3b. Press RIGHT soft key to go to the TSW type  
OR  
Press UP or DOWN key to go to next TSW type
4. Press UP or DOWN key to select TSW gain data  
OR  
press RIGHT soft key to go to 3b
5. Press TRSF to store and exit  
OR

## DISPLAY

TX LEVEL CONTROL  
LEVEL 0→1

TX LEVEL CONTROL  
LEVEL 0→1

TX LEVEL CONTROL  
LEVEL 1→2

TSW GAIN CONTROL  
SLT→ATRK:+0.0

TSW GAIN CONTROL  
ATRK→ ATRK+1.9

Press SPK to store and advance to next MMC

## RELATED ITEMS

None

# 807

## VOLUME CONTROL

Allows the system administrator to set the level of keyset volume.

## DEFAULT DATA

	DGP1	DGP2
KEY TONE VOL	: 1	0
SIDETONE VOL	: 1	1
HANDSET TX	: 3	3
MIC TX LEVEL	: 3	3
NOISE GUARD	: 8	8
NOISE THRES.	: 1	1
ALC THRES.	: 7	7
TX/RX THRES.	: 3	3
TX/RX COMP.	: 5	5

## ACTION

1. Press TRSF 807  
Display shows
2. Press RIGHT soft key to select DGP 1 volume control.
3. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll to next volume
4. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll to next volume
5. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll to next volume
6. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll to next volume
7. Press RIGHT soft key to change the volume level  
OR

## DISPLAY

VOL. CONTROL : DGP1  
KEY TONE VOL : 1

VOL. CONTROL : DGP1  
KEY TONE VOL : 1

VOL. CONTROL : DGP1  
SIDETONE VOL : 1

VOL. CONTROL : DGP1  
HANDSET TX : 3

VOL. CONTROL : DGP1  
MIC TX LEVEL : 3

VOL. CONTROL : DGP1  
NOISE GUARD : 8

VOL. CONTROL : DGP1  
NOISE THRES : 1

- Use UP or DOWN key to scroll to next volume
8. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll to next volume

VOL. CONTROL : DGP1  
ALC THRES : 1

9. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll to next volume

VOL. CONTROL : DGP1  
IX/RX THRES: 3

10. Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume

VOL. CONTROL : DGP1  
IX/RX COMP. : 5

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

## RELATED ITEMS

NONE

809

SYSTEM MMC LANGUAGE

Allows system programmer to assign a LCD display based on system programming language.

- |   |          |
|---|----------|
| 0 | ENGLISH  |
| 1 | PORTUGAL |
| 2 | DANISH   |
| 3 | DUTCH    |

PROGRAM KEYS

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

ACTION

1. Press TRSF 809  
Display shows
2. Enter the language number  
OR  
Press UP or DOWN TO make selection and press RIGHT soft key
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISPLAY

SYS.MMC LANGUAGE  
ENGLISH

SYS.MMC LANGUAGE  
PORTUGAL

DEFAULT DATA

ENGLISH

RELATED ITEMS

Multi-Language

Provides two methods for restarting the system. The first method restarts the system and clears all memory. The second method restarts the system only. If “clear memory” is selected, all data will return to default values .



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.



The program can operate without selecting the program enable mode in MMC 800 (ENABLE TECHNICIAN PROGRAM)  
In this case the technician password should be entered.

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 811  
Display shows
- 2. Press UP or DOWN key to make selection  
(RESET SYSTEM or CLEAR MEMORY)  
After selection is made, press RIGHT soft key to move cursor to YES/NO option
- 3. Press UP or DOWN key to make selection and press RIGHT soft key
- 4. Press UP or DOWN key to make selection and press RIGHT soft key



If you select YES to clear memory, this erases all data in the system

- 5. System will return with default time and date and default extension number  
OR  
If system is restarted only, it will return to normal programmed status

DISPLAY

SYSTEM RESTART  
RESET SYSTEM?NO

SYSTEM RESTART  
CLEAR MEMORY?NO

SYSTEM RESTART  
ARE YOU SURE?NO

SYSTEM RESTART  
ARE YOU SURE?YES

RELATED ITEMS

MMC 812

SET COUNTRY

812

COUNTRY CODE



This MMC must be set by the installer before nay other progrmming is carried out.

Allows the system installer to select the system software country version. After using this MMC, the installer must restart the system to make the selection effective.

ACTION

1. Press TRSF 812  
Display shows
2. Press UP or DOWN key to make selection and press RIGHT soft key
3. Press UP or DOWN key to select YES or NO and press RIGHT soft key

DISPLAY

SELECT COUNTRY  
U.K.

SELECT COUNTRY  
DENMARK

DEFAULTING SYSTEM  
ARE YOU SURE?YES



If you select YES, this will restart the syste.

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

RELATED ITEMS

- MMC 811
- RESET SYSTEM

900

CLEAR PASSCODE

It is a program for A/S use to delete the passcode when the system program passcode is forgotten. You are advised to change the password into the new one as the password is changed into the initial value once it is deleted. There are two types of program to delete the password as follows.

- 0. TECH. CODE : Technician program password
- 1. CUS. CODE : Customer program password

When you change the system program's password, you are advised to ask the vendor for help and consult specialists.

DEFAULT DATA

NONE

ACTION

- 1. Press TRSF 900  
Display shows
- 2. Enter the passcode.
- 3. Enter the program type ([0] – [1])  
OR  
Press UP or DOWN key and select the program type and press RIGHT soft key.
- 4. Press HOLD key.
- 5. Press TRSF to store and exit

DISPLAY

CLEAR PASSCODE  
PASSCODE : \_

CLEAR PASSCODE  
TECH. CODE : \*\*\*\*

CLEAR PASSCODE  
TECH. CODE : \_\*\*\*\*

CLEAR PASSCODE  
TECH. CODE : 4321

RELATED ITEMS

- MMC 201

MMC 801
- CHANGE CUSTOMER PASSCODE

CHANGE TECHNICIAN PASSCODE



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