iPECS -MG

Administration
&
Maintenance Manual

Regulatory Information

Before connecting the iPECS-MG to the telephone network, you may be required to notify your local serving telephone company of your intention to use "customer provided equipment". You may further be required to provide any or all of the following information:

PSTN line Telephone numbers to be connected to the system

Model name	iPECS-MG
Local regulatory agency registration number	locally provided
Ringer equivalence	1.0
Registered jack	RJ-45

The required regulatory agency registration number is available from your local representative of LG-Nortel.

This equipment complies with the following regulatory standards, TBR21. Also, this equipment complies with the safety requirements of EN60950-1, EN55022 and EN55024.

If the telephone company determines that customer provided equipment is faulty and may possibly cause harm or interruption in service to the telephone network, it should be disconnected until repair can be affected. If this is not done, the telephone company may temporarily disconnect service.

The local telephone company may make changes in its communications facilities or procedures. If these changes could reasonably be expected to affect the use of the iPECS-MG or compatibility with the network, the telephone company is required to give advanced written notice to the user, allowing the user to take appropriate steps to maintain telephone service.

The iPECS-MG complies with rules regarding radiation and radio frequency emission as defined by local regulatory agencies. In accordance with these agencies, you may be required to provide information such as the following to the end user.

WARNING

"This equipment generates and uses R.F. energy, and if not installed and used in accordance with the Instruction Manual, it may cause interference to radio communications. It has been tested and found to comply with the appropriate limits for a telecommunication device. The limits are designed to provide reasonable protection against such interference, when operated in a commercial environment. Operation of this equipment in a residential area could cause interference, in which case the user, at his own expense, will be required to take whatever measures may be required to correct the interference."

Revision History

ISSUE	DATE	DESCRIPTION OF CHANGES
1.0	2009 12	Initial Release

Table of Contents

1. INTRODUCTION

1.1 MANUAL APPLICATION

This manual provides detailed information on the database management of the iPECS-MG systems. The iPECS-MG Series is available in several configurations as listed in Table 1.1-1. Total port capacities range from the 50 channel at iPECS-MG 100 to 400 channel at iPECS-MG 300.

Table 1.1-1 System Capacity Chart

ITEMS	PIECES, MG-100	PIECES, MG-300
Rack No.	2	3
Slot No. per Rack	6	6
Total Port (Extension + CO line)	200	414 (if IP Phone/DECT not included)
		564 (if IP Phone/DECT included)
Number of extension Port	120	324
Number of extension	180(Ext 120 + DN 60)	648(324 x 2)
Number of CO Line	80	240
Number of Tenant Group	5	9
Numbering Plan	Extension : 8Digits	Extension : 8Digits
	Feature : 8Digits	Feature : 8Digits
	Trunk : 8 Digits	Trunk : 8 Digits
Attendant	5/Tenant	5/Tenant
DSS/BLF Console	5	5
Member of conference	13 party	13 party
Internal Page zone	15	30
System speed dial	1000	2000
	(32 digits)	(32 digits)
Station Speed Dial	50 (32 digits)	50 (32 digits)
Call Log (Outgoing/Incoming/Missed Call)	100 (32 digits) (Not protected)	100 (32 digits) (Not protected)
Save Number Redial(SNR)	1 (32 digits)	1 (32 digits)
Number of SMDR Records	5000	5000
Authorization Code	Max. 12Digits 108 : Extension 400 : System	Max. 12Digits 324 : Extension 800 : System
CO Group No	24	72
Station Group	20 (50 member/Group)	50 (50 member/Group)
Pickup Group	20 (100 member/Group)	50 (100 member/Group)
Command Call Group	10 (12 member + 1 initiator/Group)	10 (12 member + 1 initiator /Group)
Interphone Group	10 (10 member/Group)	10 (10 member/Group)
Page Group	15 (50 member/Group)	30 (50 member/Group)

ITEMS	PIECES, MG-100	PIECES, MG-300
PTT Group	10 (50 member/Group)	10 (50 member/Group)
Conference Room	9	9
Number of Hot Desk Agent	60	324
Station Name Information	16 Characters	16 Characters
Digit Restriction	COS : 16	COS : 16
	Allow/Deny Entry per COS : 100	Allow/Deny Entry per COS : 100
	Max. Digit : 16	Max. Digit : 16
Digit Translation	Table No :5	Table No :5
	Number of Digit : 16	Number of Digit : 16
	300 per 1 table	300 per 1 table

1.2 GENERAL

iPECS-MG can be programmed to meet each customer's individual needs. System programming may be accomplished by entering the "**PROGRAM MODE**" at an assigned Admin. Station or by pointing a Web Browser at the system's Main Power Board (MPB) private/public IP address. This section provides general information. Other sections are described:

- Section 2 – provides a description for data entry using the Admin Station.
- Section 3 – provides instructions for entering data when using a Web Browser.

NOTE

- ***Some parameters are available through Web Admin and not the Keyset Admin.***

- Appendix A-D – provides an index to database entries, default value charts for the Flexible Numbering Plan, Fixed Function dial-codes and the entire database. Indices and charts are helpful references when entering data into the system database.

1.3 INITIALIZATION

When power is applied to the system or the MPB Reset button is pressed, the system will initiate the "Power-up" routine. During the Power-Up routine the system will check the Initialization switch (2nd position of the MPB DIP-switch), refer to the ***iPECS-MG Description and Installation Manual*** Section 4.2.1.2. If the switch is in the OFF position, the system will perform a simple Power-Up routine; clear all scratch-pad memory, load run-time programs, establish communications with each registered boards and iPECS DTIM/SLTM gateway Module and iPECS terminal, send RESTART commands and load appropriate settings to the Modules and terminals. If a Module or terminal does not respond after several attempts, the system places the device in an out-of-service mode but maintains the database settings. Once the Power-up routine is complete, the system will conduct normal operations.

If the Initialization switch is in the ON position, in place of the Power-Up routine, the system will perform the full Initialization procedure. The initialization procedure will set the system database to default values, refer to Appendix D. Once initialization is complete, set the initialization switch to the OFF position to protect the database.

1.4 PROGRAM MENU STRUCTURE

Database Administration is accomplished by entering "**PROGRAM CODES"** from the dial pad of a phone or selecting an item from the Navigation pane in iPECS-MG Web Admin pages. Items in the Navigation pane roughly correlate with the Program codes however; certain items can only be assigned via the Web interface.

In iPECS-MG Web Admin pages, there are three main categories: 1) Administration 2) S/W Upgrade 3) System Management.

Data items are organized as a group with a common affect, i.e. station, system, numbering plan, etc. Items may be further grouped forming a multi-layered menu structure as shown in the following table.

1.4.1 Administration

ADMINISTRATION	MENU
PRE-PROGRAMMED DATA	Location Program(100)
	Slot Assignment(101)
	Logical Slot Assignment(103)
	DECT/IP/SIP Max Port(104)
	IP-Phone Registration(106)
	DTIM/SLTM Registration(107)
	IP Address Plan(108~109)
NUMBERING PLAN	Numbering Plan Type(110)
	System Numbering Plan(111)
	Flexible Station Number(112)
	Feature Numbering Plan(113)
	CO Group Access Code(114)
	Station Group Number(115)
STATION PORT DATA	Station Type(120)
	Station Port Attribute(121~124)
	Station Flexible Button(126)
	Station CTI IP Address
STATION NUMBER DATA	Station DN Assignment(130)
	Station DN ATTR(131~135)
	Station COS Assignment(137)
	Station Auto Dial Attribute(138)
	Preset Call Forward(142)
	Call Forward(143)
	Station VMIB Attribute(145)
	Mobile Phone Attribute(146)
	CO/IP Group Access(150)
	Page Zone Access(151)
	Command Group Access(152)

ADMINISTRATION	MENU
CO LINE DATA	CO Line Attribute(160~163)
	Incoming CO ATTR(165~166)
	CO Ring Assignment(167)
	Normal/DISA CO ATTR(168)
	Incoming CO Alternative(169)
	Outgoing CO ATTR(170~171)
	Outgoing CO Alternative(173)
	CO Inter-Digit Timer(174)
	DTMF Send Interval(175)
	CO COS Assignment(177)
	CO-to-CO Attribute(179)
	CO Group Access Code(180)
	Alternative Ring Table(181)
STATION GROUP DATA	Station Group Assign(200)
	Station Group ATTR(201~202)
	Voice Mail Group(203)
	Call Pick-Up Group(204)
	Page Group(205)
	Command Conference Group(206)
	PTT Group(208)
	Interphone Group(209)
	Pilot Hunt Group(210~211)
SYSTEM DATA	System Timer(220~222)
	System Attribute(223)
	System Password(226)
	Alarm Attribute(227)
	External Control Contact(228)
	Music Source(229)
	RS-232 Setting(230)
	Serial Port Selection(231)
	SMDR Attribute(232)
	System Date & Time(233)
	LED Flashing Rate(234)
	PPP Attribute(235)
	Mobile Attribute (236)
	Intercom Busy Digit(237)
	Dial-Tone Digit Table(240)
	Executive/Secretary Assign(241)
	Executive Access(242)
	PPTP Attribute
	Web Access Authorization

ADMINISTRATION	MENU
TABLE DATA	Toll Exception Table(250)
	Digit Conv Table(251~252)
	System Time Table(253~254)
	LCR Time Table(255)
	Holiday Time Table(256)
	System Speed Dial(257)
	Emergency Code Table(258)
	Announcement Table(259)
	CCR Table(260)
	ICLID Table(262)
	CLI Conversion Table(263)
	Tone Frequency/Cadence(264)
	Ring Table(265)
	Ring Frequency/Cadence(266)
	Voice Mail Dial Table(269)
TENANT DATA	ATD Group Assignment(270)
	ATD Group ATTR(271~272)
	Night ATD Group Assign(275)
	Night ATD Group ATT(276~277)
	Tenant Attribute(280~281)
	Tenant Group Access(283)
	CO Call Restriction(284~285)
	Local Call Prefix Table(286)
	Long Call Prefix Table(287)
	International Call Prefix(288)
	Tone Table(290)
BOARD DATA	ISDN Board Attribute(300)
	ISDN Clock Priority(301)
	VOIB/VMIB Board ATTR(305)
VOICE NETWORK	Networking Attr(320)
	Networking Numbering(321)
T-NET DATA	T-Net Attribute(330)
	CM Attribute(331)
	FoPSTN Attribute(333)
	T-Net Board Attribute(334)
	IP-Phone T-Net Enable(335)
H.324 DATA	H.323 Routing Attribute(360)
	H.323 VOIB Attribute(361)
	H.323 Incoming ATTR(362)
	GK Attribute(363)
SIP DATA	SIP User ID Data(370)
	SIP CO Service(371)
	SIP Station Attribute(380)
	SIP STA Service ATTR(381)

ADMINISTRATION	MENU
ZONE DATA	Zone Attribute(395)
	Zone RTP Relay Group(396)
	Inter Zone Attribute(397)
	Station Zone Attribute(399)
SNMP DATA	SNMP Data
DECT DATA	DECT Registration(0#)
	DECT Attribute(491)
GREEN MODE	Green Mode Activation
	Green Mode Time Setting
INITIALIZATION	Initialization(499)

1.4.2 S/W Upgrade

S/W Upgrade
File Upload
G/W Upgrade
Upgrade Process View
VMIB Prompt Upgrade
AAFU System Greeting Up & Download
BASE Upgrade

1.4.3 System Management

SYSTEM MANAGEMENT	MENU
DATABASE	Database Download
	Database Upload
SMDR	SMDR
FILE SYSTEM	File View & Delete
	File System Information
TRACE	Ping Test
	MFIM Log View
	Http Log View
	Dip Switch Status
	CO Line Status
	Station Status
	SLT Line Monitor
	System KSU Status
GAIN&CADENCE CONTROL	TDM Gain(400~407)
	DSP Gain(415)
	RTP Gain(42x~43x)
	SLT Ring Cadence(440)
	ACNR Tone Cadence(441)
APPLIANCES CONTROL	Lock Key Install
DECT STATISTICS FEATURE	DECT Statistics
VOICE MAIL DELETE	Voice Mail Delete

1.5 ADMIN PROGRAMMING PREPARATION

NOTE

- ***All programming should be done at Station 100 (Station port #01) using KD-36D, LKD-30/44, LDP-7024D, LIP-6000, LIP-7000 or LIP-8000 telephone with more 24 buttons.***

The following Figure 1.5.1 is provided as a reference during Admin Programming. It displays the LDP-7024D buttons commonly used for programming the System. A more detailed description of these buttons is included in the **LDP User Guide**.

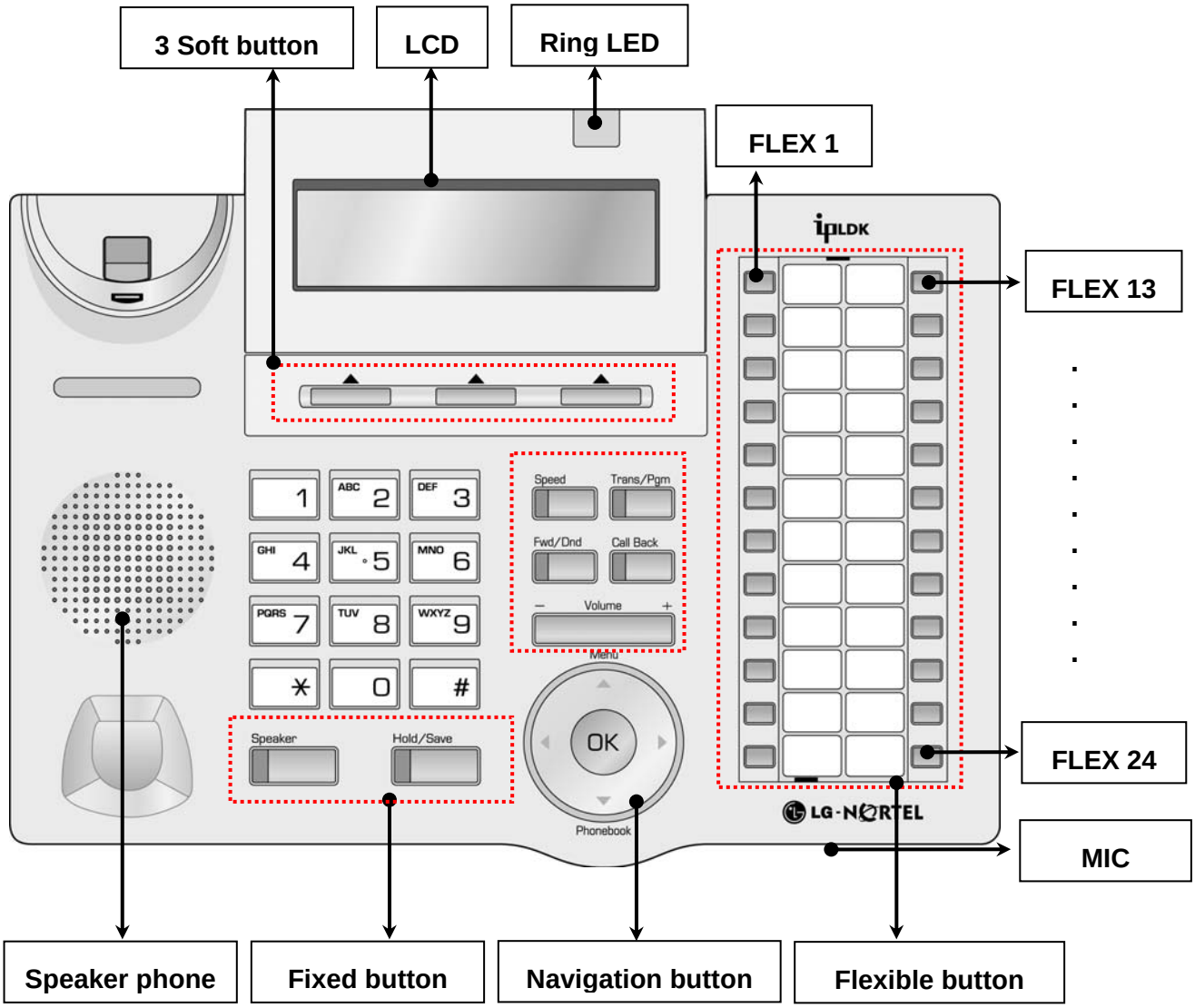

Figure 1.5.1 Keyset Button Diagram

2. STATION ADMIN PROGRAMMING

2.1 GENERAL

2.1.1 LCD & Button Functions

While in the **PROGRAM MODE**, the Liquid Crystal Display (LCD) and Flex button LEDs of an Admin Station are used to guide and indicate status of the feature. The dial-pad is most often used to enter data after selecting a data item using the Flex buttons. In some cases, pressing a Flex button will toggle the entry with the Flex button LED indicating the status (ON/OFF).

For **PROGRAM CODES** with multiple Flex button selections, the volume controls (**[VOL UP]** and **[VOL DOWN]** buttons) may be used to select the next or previous item. The **[SPEED]** button is generally employed as a delete button to erase existing entries however, where noted, it may be used to confirm a range input. Pressing the **[CONF]** button returns to the 1st step of the data entry procedure for the **PROGRAM CODE** without storing unsaved entries.

The **[SAVE]** button is used to store data after entry. If there are no conflicts in the entered data, confirmation tone will be received and the data stored. If a conflict exists, error tone is provided and newly entered data are not saved. Generally, corrected data may be entered and stored without restarting the entry procedure from the 1st step.

2.1.2 Alphanumeric Data Entries

In some cases, an alphanumeric entry is required. Two (2) dial-pad digits represent each character of an alphanumeric entry, as shown in Table 2.1.2-1 below. Use the Table to determine the two digits that must be entered from the dial-pad for each character.

Table 2.1.2-1 ALPHANUMERIC DIAL-PAD ENTRIES

Q – 11 Z – 12 . – 13 1 – 10	A - 21 B - 22 C - 23 2 - 20	D - 31 E - 32 F - 33 3 - 30
G – 41 H - 42 I - 43 4 - 40	J - 51 K - 52 L - 53 5 - 50	M - 61 N - 62 O - 63 6 - 60
P - 71 R - 72 S - 73 Q - 7* 7 - 70	T - 81 U - 82 V - 83 8 - 80	W - 91 X - 92 Y - 93 Z - 9# 9 - 90
Blank - *1 : - *2 , - *3	0-00	#

2.1.3 Required Data Entries

During initialization a default database is established, refer to Section 1.3 and Appendix A-D. However, there are several data entries, which MUST be completed to assure proper operation of the system. The system employs the Country Code (refer to Section 2.3.1.1), to establish tone and gain plans specific to the country. Also, the MPB IP address, sub-net mask and Default Gateway (Router) IP address (refer to Section 2.3.1.7), must be assigned for proper external IP call operation and WAN access as well as remote Web Admin access.

2.2 DATA ENTRY MODE

All data entry is accomplished from an Admin Station or station assigned for data entry (Station Port Attributes I (**PGM CODE** 121, Flex button 5). After DB initialization, *Station 100 (Station port #01)* may access the system database. In addition, as default, there is no Station Admin password defined. To enter the **PROGRAM MODE**, from the Admin Station follow the procedure below. In the left column of the chart are the LCD displays and in the right column are step-by-step instructions to modify database items.

PROCEDURE:	
STATION 100 (T) **16 JAN 09 04:00 PM**	1. Press the **[PGM]** button. 2. Dial '*' and '#'.
ENTER ADMIN PASSWORD	3. Enter the Admin password. Confirmation tone is heard.
ADMIN PROGRAM START	
ENTER PGM NUMBER	4. To select a program, use the instructions in the following sections, starting with "Press the **[PGM]** button" and dial the specified Admin **PROGRAM CODE**.

2.3 PROCEDURES FOR DATA ENTRY

The following sections provide specific instructions for entering data from the Admin Station once in the **PROGRAM MODE**. Each section provides descriptive information, step-by-step instructions and Tables for determining appropriate entries.

2.3.1 Pre-Programmed Data – PGM CODES 100 to 108

2.3.1.1 Location Program –PGM Code 100

Under Location Program, the country is identified using the international dial codes (COUNTRY CODE). If the Country code requires changing, the system must be initialized to restructure memory and create the country specific defaults, gain, frequencies and other system characteristics specific to the country and regional regulatory requirements.

To change the Country Code:

1) Set the 2nd MPB switch to the ON position,
2) Follow the procedure below to modify the Country code,
3) Reset the system with Power OFF/ON, pressing Reset button, or pressing **[PGM]** 499 / Flex 2 [SAVE].

A twenty-four (24) character SITE NAME is also defined in this program. The SITE NAME is primarily useful for the installer/programmer as a reference to the customer.

PROCEDURE:	
LOCATION PROGRAM **PRESS FLEX KEY (1-2)**	1. Press the **[PGM]** button and dial 100.
See table 2.3.1.1-1 **DISPLAY**	2. Select the desired Flex button (1~2), refer to table 2.3.1.1-1. For COUNTRY CODE, refer to table 2.3.1.1-2 for appropriate entries.
	3. Use the dial-pad to enter desired data. For System Reset, press [PGM] 499 / Flex 2, press **[SAVE]** to reset the System to default.
	4. To store the location data press the **[SAVE]** button.

Table 2.3.1.1-1 LOCATION PROGRAM (PGM 100)

BTN	DISPLAY	REMARK	RANGE	DEFAULT
1	NATION CODE 82	Refer to table 2.3.1.1-2 below. NOTE: the system must be re-initialized if changed.	4 digits	82
2	SITE NAME	Refer to table 2.1.2-1 for alphanumeric dial-pad entries.	24 characters	

Table 2.3.1.1-2 NATION CODES

NATION	CODE	NATION	CODE	NATION	CODE
Argentina	54	Honduras	504	Peru	51
Australia	61	Hong Kong	852	Philippines	63
Azerbaijan	994	India	91	Poland	48
Bahrain	973	Indonesia	62	Portugal	351
Bangladesh	880	Iran	98	Qatar	974
Belarus	375	Iraq	964	Rumania	40
Belgium	32	Ireland	353	Russia	7
Bolivia	591	Israel	972	Saudi Arabia	966
Brazil	55	Italy	39	Senegal	221
Brunei	673	Japan	81	Singapore	65
Cameroon	237	Jordan	962	South Africa	27
Chile	56	Kenya	254	Spain	34
China(P.R.C)	86	Korea	82	Sri Lanka	94
Colombia	57	Kuwait	965	Swaziland	268

NATION	CODE	NATION	CODE	NATION	CODE
Costa Rica	506	Kyrgyzstan	996	Sweden	46
Cyprus	357	Liberia	231	Switzerland	41
Czech(Slovak)	42	Libya	218	Tajikistan	992
Denmark	45	Luxembourg	352	Telkom	*27
Ecuador	593	Malaysia	60	Telstra	*61
Egypt	20	Moldova	373	Thailand	66
El Salvador	503	Malta	356	Tunisia	216
Ethiopia	251	Mexico	52	Turkey	90
Fiji	679	Monaco	377	Turkmenistan	993
Finland	358	Morocco	212	U.A.E.	971
France	33	Myanmar(Burma)	95	Ukraine	380
Gabon	241	Netherlands	31	United Kingdom	44
Georgia	995	New Zealand	64	Uruguay	598
German	49	Nigeria	234	U.S.A	1
Ghana	233	Norway	47	Uzbekistan	998
Greece	30	Oman	968	Venezuela	58
Guam	671	Pakistan	92	Vietnam	84
Guatemala	502	Panama	507	Y.A.R.	967
Guyana	592	P.N.G	675		
Haiti	509	Paraguay	595		

2.3.1.2 Slot Assignment -PGM Code 101

PROCEDURE:	
SLOT ASSIGNMENT **ENTER SLOT NUMBER**	1. Press the **[PGM]** button and dial 101.
SLOT 02 (F1:ID F2:DEVS) **ID:DTIB24 DEVS:24**	2. Enter Slot number
SLOT 02 (F1:ID F2:DEVS) **ID:DTIB24 DEVS:24**	3. To change board type, press the Flex button 1 and dial board. Refer to Table 2.3.1.2-2.
SLOT 02 (F1:ID F2 DEVS) **ID:DTIB24 DEVS:24**	4. To change device number, press the Flex button 2 and dial device.
	5. To store the location data press the **[SAVE]** button.

Table 2.3.1.2-1 SLOT ASSIGNMENT (PGM 101)

BTN	DISPLAY	REMARK	RANGE	DEFAULT
1	SLOT 02 (F1:ID F2:DEVS) ID:PRIB DEVS:30	Refer to Table 2.3.1.2-2		
2	SLOT 02 (F1:ID F2:DEVS) ID:PRIB DEVS:20	Enter device(port) number		

NOTE

- ***If the DIP switch of the manual board detection (the 1st DIP Switch) is ON, system will detect the installed board type automatically. If the 1st DIP switch is OFF, the board type code must be entered at each slot. After manually setting Rack Slot assignment, the user should reset the system manually.***

Table 2.3.1.2-2 Board Type Code

STATION BOARD	CODE	COLINE BORD	CODE	VMIB BOARD	CODE
DSIB	11	VOIU	31	VMIB	51
DTIB12	12	VOIB8	32	AAIB	52
DTIB24	13	VOIB24	33	AAFU	53
SLIB12	14	LCOB4	34		
SLIB24	15	LCOB8	35		
WTIB	16	LCOB12	36		
DTIM8	17	PRIB	37		
SLTM4/8	18	BRIB	38		
SLTM32	19	E1R2	39		

2.3.1.3 Logical Slot Assignment -PGM Code 103

PROCEDURE:	
LOGICAL SLOT ASSIGN **COL STA VMIB**	1. Press the **[PGM]** button and dial 103.
01 02 03 04 05 07 13 18 **.. .. ..**	2. Press Flex button (1~3) to change slot order.
01 02 03 04 05 07 13 18 **.. .. ..**	3. Enter slot numbers.
	4. Press the **[SAVE]** button to store.

Table 2.3.1.3-1 LOGICAL SLOT ASSIGNMENT (PGM 103)

BTN	DISPLAY	REMARK	RANGE	DEFAULT
1	**08 11 12 14 15 16 17**	CO Line Board		
2	**01 02 03 04 05 07 13 18**	Station Board	88 (SIP Phone), 99 (IP Phone or Phontage)	
3	**09**	VMIB Board		

NOTE

- ***If the DIP switch of the manual board detection ((the 1st DIP Switch) is ON, the system will detect the logical slot assign in sequence with increasing order automatically. If the 1st IP of DIP switch is OFF, the logical slot assignment must be entered at each board type. After manually setting logical slot assignment, the user should reset the system manually.***

2.3.1.4 DECT/IP Phone/SIP Phone Port Assignment -PGM Code 104

PROCEDURE:	
DECT/IP/SIP MAX PORT PRESS FLEX_KEY (1-3)	1. Press the **[PGM]** button and dial 104.
MAX NO OF DECT (000-192) : 032	2. Press the Flex button (1~3) and enter the desired data
	3. Press the **[SAVE]** button to store.

Table 2.3.1.4-2 DECT/IP PHONE/SIP PHONE PORT ASSIGNMENT (PGM 104)

BTN	DISPLAY	REMARK	RANGE	DEFAULT
1	MAX NO OF DECT (000-192) : 008	MAX No of DECT that can be registered to the System.		8
2	MAX NO OF IP PHONE (000-324) : 032	MAX No of IP Phones that can be registered to the System.		32
3	MAX NO OF SIP PHONE (000-324) : 032	MAX No of SIP Phones that can be registered to the System.		32

2.3.1.5 IP Phone/ Phontage Registration Table -PGM Code 106

PROCEDURE:	
IP-Phone/Phontage REG. ENTER BIN NO(001-324)	1. Press the **[PGM]** button and dial 106.
001 IP-Phone/Phontage PRESS FLEX_KEY (1-7)	2. Enter bin number to be assigned.
	3. Press the Flex button (1~7) and enter the desired data
	4. Press the **[SAVE]** button to store.

Table 2.3.1.6-1 IP PHONE/PHONTAGE REGISTRATION TABLE (PGM 106)

BTN	DISPLAY	REMARK	RANGE	DEFAULT
1	001 MAC ADDRESS 00-00-00-00-00-00	Used to register an IP Phone to the System, by entering its MAC Address (Refer to table 2.1.2-1 for alphanumeric dial-pad entries)		
2	USER ID ……	Used to register Phontage to the System, by entering its User ID and Password.		
3	001 USER PASSWORD	Used to register Phontage to the System, by entering its User ID and Password.		
4	001 STA NUMBER(VIEW)	Once a connection is made to the System, the current Station number will be displayed.		

5	001 IP ADDRESS(VIEW) 0. 0. 0. 0	Displays the IP Address of the IP phone/Phontage		
6	001 F/W IP ADDRESS(VIEW) 0. 0. 0. 0	Displays the Firewall IP Address of the IP phone/Phontage		
7	001 RTP SECURITY (1:ON/0:OFF) : OFF	Enable RTP Security		

2.3.1.6 DTIM/SLTM Registration Table-PGM Code 107

PROCEDURE:	
DTIM/SLTM RE REGISTRATION ENTER SLOT NO(19-56)	1. Press the **[PGM]** button and dial 107.
SLOT 19 REGISTER INFO PRESS FLEX_KEY (1-5)	2. Enter slot number to be assigned.
	3. Press the Flex button (1~5) and enter the desired data
	4. Press the **[SAVE]** button to store.

Table 2.3.1.7-1 DTIM/SLTM REGISTRATION TABLE (PGM 107)

BTN	DISPLAY	REMARK	RANGE	DEFAULT
1	SLOT 19 MAC ADDRESS 00-00-00-00-00-00	Used to register an DTIM to the System, by entering its MAC Address (Refer to table 2.1.2-1 for alphanumeric dial-pad entries)		
2	SLOT 19 STA RANGE(VIEW) …. - ….	Once a connection is made to the System, the station range assigned to DTIM/SLTM will be displayed.		
3	SLOT 19 IP ADDRESS 0. 0. 0. 0	Displays the IP Address of the IP phone/Phontage		
4	SLOT 19 F/W IP ADDRESS 0. 0. 0. 0	Displays the Firewall IP Address of the IP phone/Phontage		
5	SLOT 19 RTP SECURITY (1:ON/0:OFF) : OFF	Enable RTP Security		

2.3.1.7 IP Address Plan -PGM Code 108

The System IP is required for external VoIP calls, WEB programming, IP Phone registration or external VoIP calls.

iPECS-MG can be installed behind a NAPT server, if the NAPT server provides fixed address translation and port forwarding to the system. In this case, the system will employ the “Firewall IP address” as the fixed public IP address for communication with remote devices. This address must be assigned as the MFIM address in the remote device (IP Phone or iPECS Gateway DTIM/SLTM).

PROCEDURE:	
IP ADDRESS PLAN PRESS FLEX KEY (1-9)	1. Press the **[PGM]** button and dial 108.
See table 2.3.1.7-1 DISPLAY	2. Select the desired button 1~9,
	3. Enter the desired data (For IP addresses, use an "*" to enter a dot ("."))
	4. Press the **[SAVE]** button to store.

Table 2.3.1.7-1 SYSTEM IP ADDRESS PLAN (PGM 108)

BTN	DISPLAY	DEFAULT	REMARK
1	IP ADDR 10 .10 .10 .1	10.10.10.1	Public IP Address required for remote user and Web-admin. IPv4 format.
2	SUBNET MASK 255.255.255.000	255.255.0.0	
3	ROUTER IP ADDR 10 .10 .10 .254	10.10.10.254	IP Address of router for external network (WAN/IP) access. Required for shared voice and data LAN and remote Web access.
4	FIREWALL IP ADDR 0 .0 .0 .0	0.0.0.0	When the system is installed behind a NAPT server, the fixed IP Address provided by the NAPT server must be assigned in this field. Also, use this IP address for the MFIM address in remote devices.
5	DNS IP ADDR 0 .0 .0 .0	0.0.0.0	IP Address of Domain Name Server, which iPECS will use to resolve URLs to an IP address. The DNS provides the resolution after receiving the name from iPECS.
6	H.323 PORT (000-9999) : 1720	1720	H.323 UDP Port
7	SIP PORT (000-9999) : 5060	5060	SIP UDP Port
8	DHCP USAGE (1:ON/0:OFF) : OFF	OFF	If this field is set to 'ON', the system gets the IP-address from the DHCP Server when it is booting.
9	DIFFSERV (00-63) : 04	04	Diff-Serv pretag value

2.3.1.8 System Information -PGM Code 109

The System Information like MAC Address, system version or others can be checked.

PROCEDURE:	
SYSTEM INFO DISPLAY PRESS FLEX KEY (1-7)	1. Press the **[PGM]** button and dial 109.
See the following table DISPLAY	2. Select the desired button 1~7,

Table 2.3.1.8-1 SYSTEM INFORMATION (PGM 109)

BTN	DISPLAY	DEFAULT	REMARK
1	MAC ADDR 00-40-5A-29-5E-6C		The MAC Address of MPB
2	PROTOCOL PORT 5588		UDP Port for communicating between MPB and Boards(or, IP Phone)
3	PRIVATE NET MASK 255.255.255.000		
4	APP RLS VERSION 56M-A.0Ac		System Version
5	APP RLS DATE JAN/09		The released Date of System software
6	BOOT VERSION 1.0Ac		System Boot Version
7	BOOT RLS DATE DEC/08		The released Date of System Booting application

2.3.2 NUMBERING PLANS DATA – PGM CODES 110-115

2.3.2.1 Numbering Plan Type -PGM Code 110

iPECS-MG system provides default Numbering plan set. One of any numbering plan can be installed or every numbering plan can be cleared.

If numbering plan type 7 is selected, all numbering codes are deleted. all numbering codes are deleted. After deleting, user should assign the 'System Numbering Plan (PGM 111)' first. After configuring the System Numbering Plan, user can assign the other numbering plan code. This is useful when user wants to reconfigure all the numbering codes without default values.

PROCEDURE:

NUMBERING PLAN TYPE PRESS FLEX KEY (1-1)	1. Press the **[PGM]** button and dial 110.
NUMBERING PLAN TYPE (1-7): TYPE 1	2. Press Flex. 1 and select one of the default numbering plans. If numbering plan type 7 is selected, all numbering codes are deleted. After deleting, firstly user should assign the prefix numbering plan. After configuring the prefix, user can assign the others like station number, CO Group Access Code, Extra numbering and feature code. This is useful when user wants to reconfigure all numbering codes.
	3. Press the **[SAVE]** button to update all numbering plan codes with selected default value.

2.3.2.2 System Numbering Plan-PGM Code 111

To assign a numbering plan code, the type should be matched with one of the provided System Numbering Plans, which consist of a Prefix, and More digits.

- Prefix – leading preceding digits of some numbering plan code (up to 8 digits).
- More digits – number of digits following the Prefix code (up to 4 digits).
- Master Prefix Digits – when the System Numbering Plan code consists of more than 4 digits, the preceding digits of the prefix code placed at more than 4 digits from the end digit (up to 3 digits in MG-100 system, and up to 5 in MG-300 system

NOTE

- ***System Numbering Plan conflict is not allowed; if there's Prefix '1' and more digit 4, then there cannot be other prefix '10' with more digit 4.***

PROCEDURE:	
SYSTEM NUMBERING PLAN **ENTER INDEX(001-150)**	1. Press the **[PGM]** button and dial 111.
001 PREFIX / MORE DGT **F1 : .... F2 : ....**	2. Enter index and check current prefix code. Volume Up/ Down key can be used to see next/ previous index data. To Change Prefix Numbering Plan, delete the data first. To delete existing Prefix Numbering Plan, Press [DELETE] button and press [SAVE] button. When Prefix numbering plan deleted, related numbering plan codes are also cleared.
001 PREFIX / MORE DGT **F1 : 10 F2 : ....**	3. Press Flexible button 1 and enter prefix code to set new Prefix code.
001 PREFIX / MORE DGT **F1 : 10 F2 : 3**	4. Press Flexible button 2 and enter more digit
	5. Press the [SAVE] button to update changed data.

Table 2.3.2.2-1 SYSTEM NUMBERING PLAN (PGM 111)

BTN	DISPLAY	FEATURE	Range	REMARK
1	001 PREFIX / MORE DGT F1 : 10 F2 : 3	Prefix Code	1 digit ~ 8 digits	Prefix code length + more digits can be 8 at max.
2	001 PREFIX / MORE DGT F1 : 10 F2 : 3	More Digit	(0 – 4).	

2.3.2.3 Flexible Station Number-PGM Code 112

Each station has station numbers and every station numbers can be edited.

By default, every My-DN of each station is assigned. According to the numbering plan type selected from ADM 110, if start station number is 3 digits, 50 MADN numbers are assigned when station-numbering plan is initialized. If start station number is 4 digits, 324 MADN numbers (108 MADN numbers) are assigned when station numbering plan is initialized.

PROCEDURE:	
FLEXIBLE STATION NUMBER PRESS FLEX KEY (1-2)	1. Press the **[PGM]** button and dial 112.
ENTER NEW RANGE : 100 - 473	2. Press Flex button 1 to edit whole station number by range.
ENTER NEW RANGE : 100 - 699	3. Enter desired station range. OR
STATION NUMBER ENTER IDX(001-648)	4. Press Flex button 2 to edit one station number. Use the Volume up / down buttons to scroll to the next / previous index.
STATION NUMBER(001) 100	5. Enter station number to update
	6. Press the [SAVE] button to update changed data. Check if newly entered number is available number according to Prefix Code plan (PGM Code 111).

Table 2.3.2.3-1 STATION NUMBERING PLAN (PGM 112)

BTN	DISPLAY	FEATURE	RANGE	REMARK
1	ENTER NEW RANGE : 100 – 473	Station number edit by range	Start station number & End station number	Delete all station numbers and update entered station number range only.
2	STATION NUMBER(001) 100	Single station number edit	One station number	bin 001 - 324(iPECS-MG 300), bin 001 - 128(iPECS-MG 100): 1 number per one station port (My-DNs for each stations) bin 325 - 648(iPECS-MG 300), bin 129 - 256(iPECS-MG 100): Free station numbers for MADN type or extra SADN type numbers (Sub-DNs)

2.3.2.4 Feature Numbering Plan –PGM Codes 113

Feature Numbering codes for the system can be assigned and edited in **PGM 113**. Appendix B provides the default values for each of the eight base Numbering Plans. Select the default Numbering Plan in **PGM 110.**

PROCEDURE:	
FEATURE NUMBERING PLAN DIAL FEATURE IDX(01-87)	1. Press the **[PGM]** button and dial 113:
Refer to the following Table DISPLAY	2. Select the desired index (01~72); refer to the following table.

3. Press the **[SAVE]** button to store the new Numbering Plan data. Check if the newly entered number is available according to Prefix Code plan (PGM Code 111).

Table 2.3.2.4-1 FEATURE CODE (PGM 113)

BTN	DISPLAY	FEATURE	DEFAULT	REMARK
1	ATTENDANT CALL 0	Attendant Call	0	
2	CONF ROOM 1 571	Conference Room 1	571	
3	CONF ROOM 2 572	Conference Room 2	572	
4	CONF ROOM 3 573	Conference Room 3	573	
5	CONF ROOM 4 574	Conference Room 4	574	
6	CONF ROOM 5 575	Conference Room 5	575	
7	CONF ROOM 6 576	Conference Room 6	576	
8	CONF ROOM 7 577	Conference Room 7	577	
9	CONF ROOM 8 578	Conference Room 8	578	
10	CONF ROOM 9 579	Conference Room 9	579	
11	INT PAGE 543	Internal Page	543	543 + 00, xx 00: All Call Page xx : Page Group #
12	PAGE AUTO ANSWER 544	Page Auto Answer	544	
13	INT PAGE ANSWER 545	Internal Page Answer (Meet-me page)	545	
14	EXT PAGE 546	External Page	546	
15	INT-EXT PAGE ALL 547	Internal-External Page All	547	
16	CFW REGISTER 554	Call Forward Register	554	554 + Type + Destination
17	PILOT H. CFW REGISTER 514	Pilot Hunt Call Forward Register	514	514 + Type + Destination
18	PILOT H. CFW CANCEL 515	Pilot Hunt Call Forward Cancel	515	
19	DND STATUS CHANGE 516	DND Status Change	516	

BTN	DISPLAY	FEATURE	DEFAULT	REMARK
20	DND DELETE 517	DND Delete	517	
21	ACCOUNT CODE 550	Account Code	550	
22	CO FLASH 551	CO Flash	551	
23	LAST NUMBER REDIAL 552	Last Number Redial	552	
24	SPEED PGM 553	Station Speed PGM	553	
25	SPEED DIAL 555	Speed Dial	555	
26	MWI REGISTER 557	MWI Register	557	
27	MWI ANSWER 558	MWI Answer	558	
28	MWI CANCEL 559	MWI Cancel	559	
29	CALLBACK REGISTER 518	CallBack Register	518	
30	CALLBACK CANCEL 519	CallBack Cancel	519	
31	GROUP CALL PICKUP 564	Group Call Pickup	564	
32	DIRECT CALL PICKUP 7	Direct Call Pickup	7	
33	WALKING COS 520	Walking COS	520	
34	CALL PARKING LOC 541	Call Parking Location	541	541 + xx xx: Parking Location
35	PGM MODE ACCESS 521	PGM Mode Access	521	
36	TWO WAY RECORD 522	Two way record	522	
37	VMIB ACCESS 523	VMIB Access	523	
38	AME ACCESS 524	AME Access	524	
39	CO LINE ACCESS 88	CO Line Access	88	88+ xxx xxx: CO Line #
40	VM MWI ENABLE *8	VM MWI Enable	*8	
41	VM MWI CANCEL *9	VM MWI Cancel	*9	
42	MCID REQUEST *0	MCID Request	*0	

BTN	DISPLAY	FEATURE	DEFAULT	REMARK
43	UNSUPERVISED CONF EXTND 5##	Unsupervised Conf Extend	5##	
44	PTT GROUP ACCESS 538	PTT Group Access	538	538 + (0-9,*) 0-9: PTT Group # *: Log out
45	HOTDESK ACCESS 525	Hot desk Access	525	
46	NAME REGISTER 526	Name Register	526	
47	CREATE CONF ROOM 527	Create Conf Room	527	527 + Conf. Room #
48	DELETE CONF ROOM 528	Delete Conf Room	528	528 + Conf. Room #
49	WAKE UP REGISTER 529	Wake Up Register	529	529 + HH:MM
50	WAKE UP CANCEL 530	Wake Up Cancel	530	
51	TEMP COS DOWN 531	Temporarily COS Down	531	
52	RETRIEVE COS 532	Cancel Temp COS Down	532	
53	PASSWORD CHANGE 533	Password Change	533	
54	INTERPHONE GRP ACCESS 534	Interphone Group Access	534	
55	CALL WAIT REQUEST 535	Call Wait Request	535	
56	PRESELECTED MSG PGM 536	Preselected MSG PGM	536	
57	FORCED HANDSFREE CALL 537	Forced Handsfree Call	537	
58	CALL BASE CLIR 582	Call Based CLIR	582	
59	CLIR ACCESS 583	CLIR Access	583	
60	COLR ACCESS 584	COLR Access	584	
61	PILOT HUNT CALL 585	Pilot Hunt Call	585	
62	COMMAND CALL ONEWAY 581	Command Call One-way	581	
63	COMMAND CALL CONF 580	Command Call Conf	580	
64	INTRUDE REGISTER 589	Intrude Register	589	

BTN	DISPLAY	FEATURE	DEFAULT	REMARK
65	CAMP ON REGISTER 590	Camp On Register	590	
66	OHVO REGISTER 591	OHVO Register	591	
67	MOBILE NUM REGISTER 592	Mobile Num Register	592	
68	MOBILE CLI REGISTER 593	Mobile CLI Register	593	
69	MOBILE ACCESS 594	Mobile Access	594	
70	CCR ACCESS 670	CCR Access	670	
71	CCR ACCESS AND DROP 671	CCR Access And Drop	671	
72	HOLD 560	System Hold	560	
73	RETURN HELD CO 8**	Return Held CO	8**	
74	SYS MEMO 675	Sys Memo	675	
75	DISA TONE SERVICE 678	DISA Tone Service	678	
76	ALL FEATURE CANCEL 679	All Feature Cancel	679	
77	ADD CONF MEMBER 680	Add Conf Member	680	
78	SYS ALARM RESET 565	System Alarm Reset	565	
79	FAULT ALARM RESET 566	Fault Alarm Reset	566	
80	DOOR OPEN #*1	Door Open	#*1	
81	KEYPAD FACILITY ##*	Keypad Facility	##*	
82	TNET LOG IN/OUT 586	T-net Log-in/Out	586	
83	UNIVERSAL ANSWER 587	Universal Answer	587	
84	USB CALL RECORD 588	USB Call Record	588	
50	DEL ALLL VM MSG 681	Delete All VM Message	681	
86	PAGE MSG RECORD 682	Page Message Record	682	
87	DIRECT VM TRANSFER 683	Direct VM Transfer	683	

2.3.2.5 CO Group Access Code – PGM Code 114

iPECS-MG System provides CO Group Access Codes (73 in MG-300/25 in MG-100). Each code can be edited by Admin Programming Each CO Group Access Code has its attributes (refer to PGM Code 178).

PROCEDURE:	
CO GRP ACCESS CODE PRESS FLEX_KEY (1-2)	1. Press the **[PGM]** button and dial 114.
ENTER NEW RANGE : 9 - 872	2. Press Flex button 1 to edit whole CO Grp access code by range.
ENTER NEW RANGE : 810 - 882	3. Enter desired access code by range.
CO GRP ACCESS CODE ENTER IDX(01-73)	4. Or, press Flex button 2 to edit one CO Grp access code. Use the Volume up / down buttons to scroll to the next / previous index.
CO GRP ACCESS CODE(01) 9	5. Enter desired access code.
	6. Press the [SAVE] button to update changed data. Check if newly entered number is available according to Prefix Code plan (PGM Code 111).

Table 2.3.2.5-1 CO GRP ACCESS CODE (PGM 114)

BTN	DISPLAY	FEATURE	RANGE	REMARK
1	CO GRP ACCESS CODE9 – 872	CO Grp Access Code edit by range	Start CO Grp Access Code & End CO Grp Access Code	
2	CO GRP ACCESS CODE(01) 9	CO Grp Access Code edit	CO Grp Access Code	

2.3.2.6 Station Group Number –PGM Code 115

iPECS-MG System provides Station Group Numbers (50 in iPECS MG-300, 20 in iPECS MG-100). Each group number can be edited by Admin Programming. Each station group number has its attributes (refer to PGM Codes 200-202).

PROCEDURE:	
STATION GROUP NUMBER PRESS FLEX_KEY (1-2)	1. Press the **[PGM]** button and dial 115.
STATION GROUP NUMBER 620 -669	2. Press Flex button 1 to edit whole Station Group Number by range.
STATION GROUP NUMBER 620 -669	3. Enter desired Station Group Number by range. OR

STATION GROUP NUMBER **ENTER IDX(01-50)**	4. Press Flex button 2 to edit one Station Group Number. Use the Volume up / down buttons to scroll to the next / previous index.
STATION GROUP NO(01) **620**	5. Enter desired Station Group number.
	6. Press the [SAVE] button to update changed data. Check if newly entered number is available number according to Prefix Code plan (PGM Code 111).

Table 2.3.2.6-1 STATION GROUP NUMBER (PGM 115)

BTN	DISPLAY	FEATURE	RANGE	REMARK
1	STATION GROUP RANGE 620 – 669	Station Group Number edit by range	Start Station Group Number & End Station Group Number	
2	STATION GROUP NO(01) 620	Station Group Number edit	Station Group Number	

2.3.3 STATION DATA – PGM CODES 120-152

2.3.3.1 Station Type -PGM Code 120

Each station has its own station type according to its terminal type. This station type is used by the system to recognize the station's capabilities. In addition, this station type defines DSS/BLF consoles, which can be connected to a station. Maximum 5 DSS/BLF consoles can be connected to a station. Especially, in LIP-8000 Series, maximum 4 serial DSS/BLF consoles can be connected. For DSS/BLF consoles, the associated father station number is displayed.

PROCEDURE:	
STATION TYPE INFO **ENTER STA NUMBER**	1. Press the **[PGM]** button and dial 120.
100 STATION TYPE **PRESS FLEX_KEY (1-3)**	2. Use the dial-pad to enter a station number.
	3. Select the desired Flex button, - Flex 1: to display current station type or to set SLT station type (DTMF normal, DTMF MSG-wait, PULSE normal, PULSE MSG-wait) - Flex 2: to connect DSS/BLF consoles to a station or to display father station number of a DSS/BLF console - Flex 3: to restart LIP-Phone
100 TYPE **LKD_30D**	4. For Flex button 1 (TYPE), to view station type. - Only for SLT station, station's type can be modified. To modify SLT station type, use the dial-pad button 1 to 4 (1:DTMF Normal, 2:DTMF Msg-wait, 3:Pulse Normal, 4:Pulse Msg-wait). - Press the **[SAVE]** button to store the data entries.

PROCEDURE:	
	5. For Flex button 2, there are 3 different modes available. - Mode (1): For Key-phone which can have 5 DSS/BLF consoles - Mode (2): For LIP-8000 series which can have 4 serial DSS/BLF consoles - Mode (3): For DSS/BLF console itself
100 DSS MAP ASG **PRESS FLEX_KEY (1-5)**	6. Mode (1): For Phone, which can have 5 DSS/BLF consoles. To assign DSS/BLF Console to DSS map index. - Select Flex button (1~5) for DSS map Index (1~5) and enter DSS/BLF Console's station number. - Press the **[SAVE]** button to store the data entries.
148 SERIAL DSS TYPE **PRESS FLEX_KEY (1-4)**	7. Mode (2): For LIP-8000 series, which can have 4 serial DSS/BLF, consoles. - Serial DSS/BLF consoles have no station number. After connecting to station, just select console type. - Select Flex button (1~4) for serial DSS map Index (1~4) and select serial DSS/BLF console type. (0:none, 1:12-btn DSS, 2:12-btn LSS, 3: 48-Btn DSS) - Press the **[SAVE]** button to store the data entries.
DSS 104 FATHER STA **100**	8. Mode (3): For DSS/BLF console itself. - This menu just displays Father station of DSS/BLF console. In Mode (1), DSS/BLF console is assigned to Father station.
RESET 148 **PRESS [SAVE] TO RESET**	9. For Flex button 3, to reset LIP-8000 series after change serial DSS/BLF configuration of station.

2.3.3.2 Station Port Attributes, I to IV -PGM Codes 121-124

Station Port Attributes define features and functions available to the terminal. Generally, the entry will turn the feature ON (enable) or OFF (disable). Refer to Table 2.3.3.2-1 to 4 for a description of the features and the input required.

PROCEDURE:	
STA PORT ATTRIBUTE 1 **ENTER STA RANGE**	1. Press the **[PGM]** button and dial : - 121 for Station Port Attributes 1 - 122 for Station Port Attributes 2 - 123 for Station Port Attributes 3 - 124 for Station Port Attributes 4
100- 110 PORT ATT 1 **PRESS FLEX_KEY (01-11)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
Refer to Table 2.3.3.2-1 to 4 **DISPLAY**	3. Press the desired Flex button; refer to table 2.3.3.2-1 to 4.
	4. Use the dial-pad to enter desired data for the attribute setting, refer to table 2.3.3.2-1 to 4

PROCEDURE:	
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.2-1 STATION ATTRIBUTES I (PGM 121)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	AUTO SPKR (1:ON/0:OFF) : ON	Enables **[SPEAKER]** activation when a CO/IP, DSS or other feature button is pressed (handsfree).	0: OFF 1: ON	ON
2	HEADSET MODE (0-2): SPEAKER	Selects Speakerphone mode, Headset mode or Ear Mic Mode	0: Speaker 1: Headset 2: E-MIC	Speaker
3	HEADSET RING (0-2): SPEAKER	In Headset mode, this item selects device to receive incoming ring signals. - Speaker, Headset or Both.	0: Speaker 1: Headset 2: Both	Speaker
4	GROUP LISTEN (1:ON/0:OFF) : OFF	Enables Group Listen feature, audio is sent to both the handset and speaker with the handset microphone active and speakerphone microphone OFF.	0:OFF 1:ON	OFF
5	KEYSET ADMIN (1:EN/0:DIS) : ENABLE	Enables station access to the System Database.	0:Disable 1:Enable	DISABLE
6	NO TOUCH ANS (1:ON/0:OFF) : OFF	Enables No-touch answer; this will automatically connect transferred calls to the station's speakerphone.	0: OFF 1: ON	OFF
7	HOWLING TONE (1:ON/0:OFF) : OFF	Permits Howler tone to be sent to a SLT when left off-hook.	0: OFF 1: ON	ON
8	DUMMY TERMINAL (1:ON/0:OFF) : OFF	This item defines whether a station is used for hot desk terminal. If you want to use a station as hot desk, this field must be set to 'ON'	0: OFF 1: ON	OFF
9	PORT BLOCK (1:ON/0:OFF) : OFF	If this value is set to ON, Station is blocked so it is impossible to use that station.	0: OFF 1: ON	OFF
10	USE BLUETOOTH (1:ON/0:OFF) : OFF	In case of Bluetooth supported station, you can determine whether station's Bluetooth is used or not.	0: OFF 1: ON	OFF
11	SLT LINE LENGTH (0-2): SHORT	This feature is used to distinguish the line length when the distance between SLT station and SLIB board is too variable. (Short:0km, Long:0~3km, Far:3~7.5km)	0: Short 1: Long 2: Far	Short
12	ALARM (1:EN/0:DIS) : DISABLE	Enable to receive system alarm signal.	0:Disable 1:Enable	Disable
13	DOOR OPEN (1:EN/0:DIS) : DISABLE	Enable to use door open feature.	0:Disable 1:Enable	Disable

Table 2.3.3.2-2 STATION ATTRIBUTES II (PGM 122)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	LCD LANGUAGE (00-14): ENGLISH (00)	Sets the Language used in the Station's LCD; refer to Table 2.3.3.2-2a below.	00 ~ 14	00 (English)
2	LCD DATE MODE (1:MDY/0:DMY):DDMMYY	Sets the Station's Date display as month/day or day/month.	1:MMDDYY 0:DDMMYY	DDMMYY
3	LCD TIME MODE (1:24H/0:12H):12H	Sets the Time display mode as 12 hour or 24-hour (military) time.	1: 24 Hour Mode 0: 12 Hour Mode	12 Hour
4	BACK LIGHT USAGE (O-4): BUSY ONLY	If a station can support LCD backlight, you can set backlight usage option.	0: Always Off 1: Busy Only 2: Always On 3: Auto 4 Delayed Off	Busy Only
5	LIP-8000 FONT (O-1): TIMES NEW ROMAN	LIP 8000 Series terminal has two kind of font – Times new roman and Gothic. This menu determines what font is used.	0: Times New Roman 1: Gothic	Times new roman
6	LIP-8000 LCD BRIGHTTNESS (O1-15): 07 ROMAN	LIP 8000 Series terminal can adjust LCD brightness for user's convenience.	01 ~ 15	07
7	GROUP QUEUE DISPLAY (1:ON/0:OFF) : OFF	If this is set to ON, system provides station goup Queue information to group member.	0: OFF 1: ON	OFF

Table 2.3.3.2-2.a LCD LANGUAGE SELECTION

ENTRY	LANGUAGE
00	English
01	Italian
02	Finnish
03	Dutch
04	Swedish
05	Danish
06	Norwegian
07	Hebrew
08	German
09	French
10	Portuguese
11	Spanish
12	Korean
13	Estonian
14	Russian

Table 2.3.3.2-3 STATION ATTRIBUTES III (PGM 123)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	PRIME NUMBER BTN (01-48) : 01	Among My-DN and several Sub-DNs which are assigned to station flex buttons, determines the first-seized DN when the user initiates a call. If prime button is not set of invalid, the system scans sequentially from flexible button 1 to flexible Button 48 and take the unused and valid flexible button as prime button NOTE: DN buttons of associated DSS box cannot be a prime number button.	01 ~ 48	01
2	ZONE NO (1-9) : 1	This menu represents a station belonging to what zone.	1 ~ 9	1
3	AUTO HOLD (1:ON/0:OFF) : OFF	Enables Auto Hold for the station. With Auto Hold enabled, the system will place an active external call on hold if the user presses a CO/IP or DSS button.	0: OFF 1: ON	OFF
4	ENBLOCK DIAL (1:ON/0:OFF) : OFF	When On, the user-dialed digits are stored at the Digital Phone until explicitly sent by the user. When sent, all dialed digits are sent to the system in a block. Enblock mode is only available to Digital Phones with soft keys.	0: OFF 1: ON	OFF
5	ICM ANSWER MODE (1-3): TONE	Selects Handsfree, Privacy or Tone ring ICM Signaling mode.	1:Handfree 2:Tone 3:Privacy	Tone
6	DATA SECURITY (1:ON/0:OFF) : OFF	Disables override and camp-on tones to the station to avoid occurring error when sending data.	0: OFF 1: ON	OFF
7	PROGRESS INDICATOR (1:ON/0:OFF) : OFF	If this value is set to ON, Progress Indicator Information is included to Setup message (Origin is non-ISDN).	0: OFF 1: ON	OFF
8	FAX MODE (1:ON/0:OFF) : OFF	If this value is set to ON, Bearer Capability information with 3.1Khz is provided to PX.	0: OFF 1: ON	OFF
9	DTMF WHEN REDIAL (1:ON/0:OFF) : ON	If this value is set to ON, DTMF tone is heard to the station user while redial. (Reserved)	0: OFF 1: ON	ON
10	MUTE RING SERVICE (0-1) MUTE RING	If this value is set to MUTE RING, system provides MUTE RING to user.	0: Mute Ring 1:No Ring	MUTE RING
11	AUTO IDLE SERVICE (0-1): AUTO	If this value is set to AUTO, system provides Auto Idle service.	0: Auto 1: Manual	Auto

Table 2.3.3.2-4 STATION ATTRIBUTES IV (PGM 124)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	MSG WAIT INDICATION (0-3): MW REMIND TONE	This menu determines the way to notify a station to wait message.	0: N/A 1:Ring LED 2:MW Remind Tone 3:Ring LED + Tone	MW REMIND TONE
2	APPLY DIFF RING (0-1) : ALL RING	Determine user's differential ring mode. Applying to all ring mode or normal ring mode.	0:All Ring 1:Normal Ring	All Ring
3	ICM DIFF RING ID (000-254) : 001	Set the intercom differential ring ID – usually 1 ~ 4 is valid	000 ~ 254	1
4	CO DIFF RING ID (000-254) : 001	Set the CO line differential ring ID – usually 1 ~ 4 is valid	000 ~ 254	1
5	COS APPLY OPTION (0-1): SUB-DN	Determine whether the applied COS is the COS of SUB-DN or COS of MY-DN when station accesses SUB-DN	0:SUB-DN 1:MY-DN	SUB-DN
6	HOOK FLASH WHEN XFER (0-2): CANCEL XFER	Determine the operation when user press hook-flash button while transferring call. 0. Cancel transfer : drop current call and recover previous call 1. Voice over : hold current call and recover previous held call 2. Conference: establish 3-way conference call.	0:Cancel transfer 1:Voice Over 2:Conference	Cancel transfer
7	OFF-HOOK ON PAGED (0-1): PAGED	When lifting handset while listening to paging message, user can make another call or continue to listen. 0: continue to listen to paging message 1: stop listening, seize a remaining DN, and hear dial-tone. User can make a another call	0:Paged 1:Dial-Tone	Paged
8	PLA (1:ON/0:OFF) : ON	Preferred Line Answer Enables Ringing Line Preference for the station. Calls that ring the telephone are answered by going off-hook. (Reserved)	0:OFF 1:ON	ON
9	PICKUP BY DSS BUTTON (1:ON/0:OFF) : ON	This value determines the method of pickup when pressing DSS button.	0:Disable 1:Group Pickup 2:Direct Pickup	Direct Pickup
10	CLI IP ADDRESS 0 .0 .0 .0	CLI IP Address	IP Address	0.0.0.0

2.3.3.3 Station Flexible Button Assignment – PGM Code 126

Flex buttons for each Digital Phone and DSS Console can be assigned a function (Type) and an associated Value.

For assignments to a DSS Console, enter the DSS console station number and enter the desired button number. For Serial DSS, the button numbers are decided by the order of Serial DSS. The button number starts from 49 at the first Serial DSS, 97 at the 2nd Serial DSS, 48 is added to the button number when desired Serial DSS order is increased. Each console contains entries for up to 48 buttons even though the console may only have 12 buttons. In this case, assignments for buttons 13 to 48 are ignored.

PROCEDURE:	
STA FLEX BTN ATTR **ENTER STA RANGE**	1. Press the **[PGM]** button and dial 126.
100- 110 FLEX BTN **ENTER BTN NUM(001-240)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
100- 110 FLEX BTN 002 **PRESS FLEX_KEY (1-3)**	3. Dial the desired Flex button number (001~240)
	4. Press the desired Flex button (1~3). - Flex : to configure button type - Flex 2: to configure ring option - Flex 3: to configure access mode
BTN02®EMPTY) **ENTER NEW BTN TYPE(1-3)**	5. For Flex button 1, to configure button type, use the dial-pad to select button type 1-3. - Type 1: to assign Fixed type button to Flex button. - Type 2: to assign Station Number(DN) to Flex button. - Type 3: to assign “Dialed Number” to Flex button.
BTN02: FIXED BTN **(1-9): NOT ASSIGNED**	6. For Fixed button, use the dial pad to select from the following - 1: redial - 2: speed - 3: conference - 4: mute - 5: call back - 6: button - 7: transfer - 8: recall - 9: PTT - Press the **[SAVE]** button to store the data entered. - If a station already has the same fixed type button at the fixed button, an error tone is heard and data is not saved.
BTN02: STA NUMBER **….**	7. For Station Number(DN) button, - Using dial-pad, enter Station number you want to assign. - Press the **[SAVE]** button to store the data entries. - If the station number already was programmed on another flex button at same station, an error tone is heard.

PROCEDURE:	
BTN03: DIAL NUMBER **….**	8. For Dialed Number button, - Using dial-pad, enter desired number you want to assign. - Press the **[SAVE]** button to store the data entered.
BTN002:RING OPTION **(0-9): IMMEDIATE RING**	9. Flex button 2: The ring option is only valid at Station Number-type Flex button; To configure ring option, using dial-pad or DELETE/SPEED button. - 0: immediate ring - 1: delay 3 sec - 2: delay 6 sec - 3: delay 9 sec - 4: delay 12 sec - 5: delay 15 sec - 6: delay 18 sec - 7: delay 21 sec - 8: delay 24 sec - 9: delay 27 sec - ..: no ring Press the **[SAVE]** button to store the data entries.
	10. Flex button 3: to configure access mode Table 2. ┌┐. └┘ Access mode follows Flex button type. - If Flex button is Fixed or DN, refer to next Step. - If Flex button is Station Number then refer to Step 12.
BTN001: ACCESS **(0-1): CHANGEABLE**	11. In case of “Fixed” or “Dialed number” Flex button. Two-access mode exist – user-changeable or blocked, Using dial-pad button, configure access mode. - 0. Changeable: the station user can change this button data - 1. Unchangeable: the station user cannot change. Possible to change only by Admin programming. Press the **[SAVE]** button to store the data entries.
BTN002: ACCESS **(0-2): ALL CALL**	12. In case of “Station number” Flex button. - 0. All Call: there is no restriction. - 1. Seize and Dial: Unable to seize only by off-hook when making outgoing call even if the button is set to prime number button. - 2. Incoming only: Unable to make an outgoing call using this button. Only answering incoming call is allowed.

2.3.3.4 Station Number Information – PGM Code 130

In accordance with station number’s physical characteristics, the station number is divided into My-DN and Sub-DN. My-DN is only a role of SADN(Single-Assign Directory Number) and only one My-DN is assigned to a physical terminal. In iPECS-MG system, the scope of station number used for My-DN is predefined – station bin index from 1 to 324 for MG-300, from 1 to 108 for MG-100. Station number with station bin index greater than My-DN’s bin index is Sub-DN. Sub-DN is used for MADN or SADN. MADN can have 10 different stations as its members but SADN has only 1 member. In addition to, Sub-DN, which is used for SADN, can be configured as a hot-desk agent number. If Sub-DN is used for hot-desk agent, station is not allocated explicitly for Sub-DN member. Only when a terminal login to hot desk with Sub-DN, Sub-DN has terminal’s station number (My-DN) as its member.

PROCEDURE:	
STA DN NUMBER **ENTER STA NUMBER**	1. Press the **[PGM]** button and dial 130.
424 DN ATTR **PRESS FLEX_KEY (1-2)**	2. Use the dial-pad to enter the station number
	3. Press the desired Flex button (1~2). - Flex 1 : to configure station number type - Flex 2 : to display station number's member
STA DN TYPE **(1-3): MADN**	- For Flex 1, to configure station number type. - Dial 1-3 to configure station number type. - Type 1 : SADN-Normal - Type 2 : MADN - Type 3 : SADN-Hot desk Agent Press the **[SAVE]** button to store the data entries. NOTE: Type cannot be changed for My-DN numbers.
DN MEMBER VIEW **.... ....**	4. For Flex 2, to display station member view.

2.3.3.5 Station Number Attributes – I to IV PGM Codes 131–135

Station Number Attributes define features and functions available to the station number. Generally, the entry will turn the feature ON (enable) or OFF (disable). Refer to Table 2.3.3.7-1 to 5 for a description of the features and the input required.

PROCEDURE:	
STATION NUMBER ATTR 1 **ENTER STA RANGE**	1. Press the **[PGM]** button and dial: - 131 for Station Number Attributes 1 - 132 for Station Number Attributes 2 - 133 for Station Number Attributes 3 - 134 for Station Number Attributes 4 - 135 for Station Number CLI Attributes
100- 110 NUM ATTR 1 **PRESS FLEX_KEY (1-7)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
Refer to the table 2.3.3.7-1 to 5 **DISPLAY**	3. Press the desired Flex button; refer to table 2.3.3.7-1 to 5.
	4. Use the dial-pad to enter desired data for the attribute setting, refer to table 2.3.3.7-1 to 5.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.5-1 STATION NUMBER ATTRIBUTES I (PGM 131)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	STA NAME …..	Enables user name entry. The name is displayed on the LCD of Digital Phones.	Max 16 Chars	
2	TENANT GROUP (1-9): 1	Specify tenant group for station	1~9(MG-300) 1~5(MG-100)	1
3	DIGIT CONVERSION TBL (1-9): 1	Specify Digit conversion table for station.	1 ~ 9	1
4	PASSWORD ….....	Password is employed to control access to the system resources and facilities. Walking COS, CO/IP Group access DISA callers and certain Call Forward types may require the input of a valid password.	0 ~ 12 digits	
5	BUSY SVC (0-3): BUSY TONE	When a station is busy and if another new call is arrived, station treats this new call following this option.	0:Busy Tone 1:Camp-on 2:Call Wait 3:Pilot Hunt	Busy Tone
6	CHARGE MODE (0-1): REPORT	If 'FREE', the intercom call is not printed/saved to SMDR even though 'ICM CALL' SMDR is enabled. If 'REPORT', the intercom call is included to SMDR according to the ICM CALL SMDR Attributes.	0:Free 1:Report	Report
7	SMDR HIDDEN DIGIT (1:EN/0:DIS) : ENABLE	If enabled and station makes an outgoing call, dialed digits are shown in SMDR with hidden digit rule by SMDR attribute. If disabled, all of dialed digits will be displayed.	0:Disable 1:Enable	Disable
8	HOTDESK AGENT NUMBER (1:ON/0:OFF) : OFF	Permits a station number as hot desk agent number. To make this feature effective, station number must be S-DN & SADN.	0: OFF 1: ON	OFF
9	TIME TABLE INDEX (1-9): 1	Specify Time Table index for station.	1-9, None	none

Table 2.3.3.5-2 STATION NUMBER ATTRIBUTES II (PGM 132)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	FORCED HANDFREE ACCESS (1:EN/0:DIS) : DISABLE	When placing an intercom call, a user can change the ICM signaling mode, Tone Ring to Hands free answer mode or Hands free answer to Tone Ring mode.	0:Disable 1:Enable	Disable
2	FORWARD ACCESS (1:EN/0:DIS) : ENABLE	Enables Call Forward to be activated by the station.	0:Disable 1:Enable	Enable
3	OFFNET FORWARD ACCESS (1:EN/0:DIS) : ENABLE	A station must be allowed Off Net Fwd to forward external incoming calls outside the system or otherwise establish a CO-to-CO connection	0:Disable 1:Enable	Enable
4	DND ACCESS (1:EN/0:DIS) : ENABLE	Enables DND to be activated by the station.	0:Disable 1:Enable	Enable
5	INTRUSION ACCESS (1 :EN/0 :DIS) : ENABLE	Enables intrusion to gain access to an active call.	0:Disable 1:Enable	Disable

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
6	MOBILE EXT ACCESS (1 :EN/0 :DIS) : ENABLE	Enables mobile extension ability.	0:Disable 1:Enable	Enable
7	HOOK FLASH MODE (0-3) : FLASH NORMAL	Determine the operation when SLT user press hook-flash button during conversation. 0. FLASH NORMAL: Hook Flash can be detected. In addition, it will be operated normal case flow. 1. FLASH IGNORE: Hook Flash cannot be detected. All of hook flash will be ignored at any time. 2. FLASH DROP: When Hook Flash is detected, the line will be disconnected. 3. HOLD RELEASE: Drop the holding line if system detects Hook Flash and then On-Hook during dialing state.	0. FLASH NORMAL 1. FLASH IGNORE 2. FLASH DROP 3. HOLD RELEASE	FLASH NORMAL
8	AUTO PICKUP (1:EN/0:DIS) : DISABLE	If a group member is ringing, another member of the Group can Pick-Up a call ringing at another member by simply going “Off-hook”.	0:Disable 1:Enable	Disable

Table 2.3.3.5-3 STATION NUMBER ATTRIBUTES IV (PGM 133)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CO QUEUE ACCESS (1:EN/0:DIS) : ENABLE	Enable CO Queuing	0:Disable 1:Enable	Enable
2	CONFERENCE ACCESS (1:EN/0:DIS) : ENABLE	Enable Conference call	0:Disable 1:Enable	Enable
3	WAKE UP ACCESS (1:EN/0:DIS) : ENABLE	Enable Wake-up Alarm feature	0:Disable 1:Enable	Enable
4	STN CALL BACK ACCESS (1:EN/0:DIS) : ENABLE	Enable call back feature when a called station is busy.	0:Disable 1:Enable	Enable
5	ACNR ACCESS (1 :EN/0 :DIS) : ENABLE	Enable ACNR feature	0:Disable 1:Enable	Enable
6	ABSENCE NOTICE ACCESS (1 :EN/0 :DIS) : ENABLE	Enable Absence notice feature	0:Disable 1:Enable	Enable
7	CALL WAIT ACCESS (1:EN/0:DIS) : ENABLE	Enable to leave a call wait when a called station does not answer or in DND state.	0:Disable 1:Enable	Enable
8	CAMP ON ACCESS (1:EN/0:DIS) : ENABLE	Enable camp-on feature.	0:Disable 1:Enable	Enable
9	VOICE OVER ACCESS (1:EN/0:DIS) : ENABLE	Enable voice over feature.	0:Disable 1:Enable	Disable
10	PREPAID CALL USAGE (1:EN/0:DIS) : DISABLE	Enable prepaid call	0:Disable 1:Enable	Disable
11	KEYPAD FACILITY USAGE (1:EN/0:DIS) : DISABLE	Enable keypad facility	0:Disable 1:Enable	Disable

Table 2.3.3.5-4 STATION NUMBER ATTRIBUTES IV (PGM 134)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SPEED ACCESS (1:EN/0:DIS) : ENABLE	Gives station speed dial bins access authority	0:Disable 1:Enable	Enable
2	PAGE ACCESS (1 :EN/0 :DIS) : ENABLE	Permits station to make page	0:Disable 1:Enable	Enable
3	MEET ME ACCESS (1:EN/0:DIS) : ENABLE	Enables 'meet me' feature when there is a page.	0:Disable 1:Enable	Enable
4	CALL DURATION RESTRICT (1 :EN/0 :DIS) : DISABLE	Restricts CO Call Duration to station	0:Disable 1:Enable	Disable
5	SLT BLOCK BACK CALL (1:EN/0:DIS) : DISABLE	When a SLT extension attempts to transfer a CO call to a CO line it is blocked and the call is released	0:Disable 1:Enable	Disable
6	PILOT HUNT RING (1:EN/0:DIS) : ENABLE	Permits station to receive pilot hunt ring	0:Disable 1:Enable	Enable
7	ACR USER (1:ON/0:OFF) : ON	Sets Anonymous Call Restrict service	0: OFF 1: ON	OFF
8	WAKE UP SET(HH:MM) NOT ASSIGNED	Sets wake-up time	HH:MM	
8	WAKEUP REPEAT (1:ON/0:OFF) : OFF	Enables daily repeating alarm	0: OFF 1: ON	OFF
10	BRANCH/BRIDGE LINE (0-3: OFF	Set branch/bridge line feature Branch : Conference call by pressing {DN} button in use Bridge: Bridge call by pressing {DN} button in use. Bridge(Softphone): Auto bridge if Phontage/UC Client's IP bridge is enabled	0:OFF 1:ON	OFF
11	AUTO PRIVACY (1:ON/0:OFF) : OFF	Enables auto privacy feature (to restrict the intrusion/call-wait/camp-on/OHVA in busy station)	0:OFF 1:ON	OFF

Table 2.3.3.5-5 STATION CLI ATTRIBUTES (PGM 135)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CLIP DISPLAY (1:ON/0:OFF) : ON	Calling Line Identification Presentation (CLIP), an ISDN service, sends the number of the calling party to the system in the call SETUP message. If enabled, the number will be shown in the Digital phone LCD.	0: OFF 1: ON	ON
2	COLP DISPLAY (1:ON/0:OFF) : OFF	COLP (Connected Line Id Presentation), an ISDN service, sends the number of the answering party to the system in the call CONNECT message. If enabled, the number will be shown in the Digital Phone LCD.	0: OFF 1: ON	OFF
3	CLI/REDIRECT (1:RED/0:CLI):CLI	When an incoming ISDN call is redirected, the call SETUP message will contain an original and redirected CLI. This selection determines if the Digital Phone will display the original or redirected CLI number.	0: CLI 1: Redirect	CLI
4	CLIR WHEN OUTGOING (1:ON/0:OFF) : OFF	CLIR (Calling Line Identification Restriction), an ISDN service, removes calling party Id sent from the PSTN to the called party with a RESTRICT instruction in the SETUP message. If enabled here, the system will send the RESTRICT instruction to the PSTN when an outgoing ISDN call is placed.	0:OFF 1:ON	OFF

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
5	COLR WHEN ANSWER (1:ON/0:OFF) : OFF	COLR (Connected Line Id Restriction), an ISDN service, removes connected party Id sent from the PSTN to the calling party with a RESTRICT instruction in the CONNECT message. If enabled here, the system will send the restrict instruction to the PSTN when the station answers an ISDN call.	0:OFF 1:ON	OFF
6	CLI NUMBER ….....	When not restricted (FLEX 4 & 5 above), this entry is added to the number sent in the ISDN call SETUP or CONNECT message in place of the station number.	24 digits	
7	CFWD CLI/REDIRECT (1:RED/0:CLI):CLI	When an incoming ISDN call is forwarded by the ISDN, the call SETUP message will contain an original and redirected CLI. This selection determines if the Digital Phone will display the original or redirected number.	0: CLI 1: Redirect	CLI
8	IGNORE CALLER CLIR (1:ON/0:OFF) : OFF	When receive a call with CLIR option, ignore the option and display CID.	0:OFF 1:ON	OFF
9	MOBILE EXTENSION CLI (0-2): CALLER NO	When mobile extension makes a call, CLI is determined by this option. (0:Caller No, 1:Mobile Station No, 2:Caller No + Mobile Staton No)	0: Caller No 1: Mobile Sta No 2:Caller+ Mobile Sta	Caller No
10	LONG CLI 1 ….....	If CLI type of outgoing CO line is set to 1, Long CLI 1 is sent.	24 digits	
11	LONG CLI 2 ….....	If CLI type of outgoing CO line is set to 2, Long CLI 2 is sent.	24 digits	
12	LONG CLI 3 ….....	If CLI type of outgoing CO line is set to 3, Long CLI 3 is sent.	24 digits	

2.3.3.6 Station Class-of-Service – PGM Code 137

All stations are assigned a Class-of-Service (COS), which determines the ability of the user to dial certain types of calls, refer to table 2.3.3.8-1,2. Separate COS assignments are made for Day, Night and Timed Mode system operation. Maximum level of COS privileges is 16 (0 ~ 15). These privileges are represented in Toll Exception Table (PGM CODE 250). By default, all stations are assigned with a Station COS of 1, no restrictions for all three modes.

The station COS interacts with the CO Line COS to establish overall dialing or Toll restrictions.

PROCEDURE:	
STATION COS ATTR ENTER STA RANGE	1. Press the **[PGM]** button and dial 137.
100-110 COS ATTR PRESS FLEX_KEY (1-3)	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.

	3. Press desired Flex button number (1~3), - Flex 1: Day COS - Flex 2: Night COS - Flex 3: Timed COS
	4. Use the dial-pad to enter desired data for the Station COS, refer to Table 2.3.3.6-1,2 for each COS service.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.6-1 STATION COS ATTRIBUTES (PGM 137)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DAY COS (00-15) : 01	Station's COS in Day mode	00-15	1
2	NIGHT COS (00-15) : 01	Station's COS in Night mode	00-15	1
3	TIMED COS (00-15) : 01	Station's COS in Timed mode	00-15	1

Table 2.3.3.6-2 STATION CLASS-OF-SERVICE (PGM 137)

STATION COS	RESTRICTIONS
0	Intercom and Emergency number calls are allowed. Incoming and transferred calls are allowed.
1	No restrictions are placed on dialing.
2 ~ 15	Assignments in each toll exception table are monitored for allow and deny numbers. - If a table has no entries, no restrictions are applied. - If there are only Deny entries, restrictions are provided as Deny only. - If there are only Allow entries, restrictions are provided as Allow only. - If there are both Allow and Deny entries, the Deny entries are searched. If the dialed number matches a Deny entry, the call is restricted; if no match is found the call is allowed.

2.3.3.7 Station Automatic Dial Attribute – PGM Code 138

When a station goes to an off-hook condition (lifts handset or presses **[SPEAKER]** button), the system normally provides an intercom dial tone. In place of the dial tone, the station can be programmed to dial the preprogrammed (max 16) digits. We call this programmed digit Auto-Dial-Digit. If the Auto-Dial-Digit is configured and if no digit within 'auto dial pause time' is pressed then the system dials the 'Auto-Dial-Digit' automatically.

PROCEDURE:	
STATION AUTO DIAL ATTR ENTER STA RANGE	1. Press the **[PGM]** button and dial 138.

100 – 110 AUTO DIAL ATTR **PRESS FLEX KEY (1-2)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
	3. Press desired Flex button number (1~2), - Flex 1: Auto Dial Digit - Flex 2: Auto Dial Pause Time
AUTO DIAL DGT **.....**	4. Use the dial-pad to enter the desired auto dial digit. Max 16 digits available.
AUTO DIAL PAUSE TIME **(00-30) : 00(sec)**	5. Use the dial-pad to enter the auto dial pause time. 0 to 30 sec available
	6. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.7-1 STATION AUTO DIAL ATTRIBUTES (PGM 138)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**AUTO DIAL DGT** **.....**	Digits will be dialed automatically	Max 16 digits	-
2	**AUTO DIAL PAUSE TIME** **(00-30): 00(sec)**	Auto dial pause time	00-30	0

2.3.3.8 Station Preset Call Forward – PGM Code 142

This assignment allows an external or internal call to initially ring at a station and forward to a pre-determined destination. Preset Call Forward can be assigned separately for Internal Unconditional, Internal Busy, Internal No Answer, External Unconditional, External Busy, External No Answer preset forwarding to any Station, Hunt group or External Telephone No.

PROCEDURE:	
STA PRESET CALL FORWARD **ENTER STA RANGE**	1. Press the **[PGM]** button and dial 142.
100 – 110 PRESSET FWD **PRESS FLEX KEY (1-6)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
	3. Press Flex button number (1~6) for the desired type of forward, - Flex 1: Internal Unconditional - Flex 2: Internal Busy - Flex 3: Internal No Answer - Flex 4: External Unconditional - Flex 5: External Busy - Flex 6: External No Answer
	4. Use the dial pad to enter the preset forward destination
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.8-1 STATION PRESET CALL FORWARD (PGM 142)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	INTERNAL UNCOND …..	The unconditional preset forward destination of internal(intercom) call	Max 32 digits	-
2	INTERNAL BUSY …..	The busy preset forward destination of internal(intercom) call	Max 32 digits	-
3	INTERNAL NO-ANSWER …..	The no-answer preset forward destination of internal(intercom) call	Max 32 digits	-
4	EXTERNAL UNCOND …..	The unconditional preset forward destination of external call	Max 32 digits	-
5	EXTERNAL BUSY …..	The busy preset forward destination of external call	Max 32 digits	-
6	EXTERNAL NO-ANSWER …..	The no-answer preset forward destination of external call	Max 32 digits	-

2.3.3.9 Station Call Forward – PGM Code 143

Station' call forward can be assigned or changed.

PROCEDURE:	
STATION FORWARD SET ENTER STA RANGE	1. Press the **[PGM]** button and dial 143.
100 – 110 FORWARD SET PRESS FLEX KEY (1-5)	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
	3. Press desired Flex button number (1~4), - Flex 1: Forward Type - Flex 2: Forward Number - Flex 3: Forward Apply Time - Flex 4: Call Forward No Answer Timer - Flex 5: Forward Display
	4. Use the dial-pad to enter desired data for the Attribute, refer to the following table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.9-1 STATION CALL FORWARD (PGM 143)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	FORWARD TYPE (0-4) : NOT ASSIGNED	Specify call forward type.	0:Not Assigned 1:Unconditional 2:Busy 3:No Answer 4:Busy or No Answer	Not Assigned

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	FORWARD NUMBER ….....	Specify Call Forward Destination by entering dial digits.	Max 32 digits	-
3	FORWARD APPLY TIME (0-3) : ALL	Specify Call Forward Applying Time	0:All 1:Day 2:Night 3:Timed	ALL
4	CFW NO ANS TMR(sec) (000-600) : 015	Call Forward type – Busy or No Answer – employs this 'CFW NO ANS TMR' timer. If the station does not respond during the 'CFW NO ANS TMR' timer. Call is forwarded to 'Call Forward Destination'	(0 ~ 600) sec	15sec
5	FORWARD DISPLAY (1:ON/0:OFF) : OFF	Enables the Forward Display Option to check forward information in idle state.	0: OFF 1: ON	ON

2.3.3.10 Station VMIB Attribute – PGM Code 145

The following features are designed to assist Station interaction with the VMIB.

PROCEDURE:	
STATION VMIB ATTR ENTER STA RANGE	1. Press the **[PGM]** button and dial 145.
100 – 110 NUM ATR 1 PRESS FLEX KEY (1-10)	2. Use the dial-pad to enter a station range (Ex. 100-110). For a single station, enter the same number twice.
	3. Press the desired Flex button; refer to the following table.
	4. Use the dial-pad to enter desired data for the attribute setting, refer to Table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.10-1 STATION VMIB ATTRIBUTE (PGM 145)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	VMIB ACCESS (1 :EN/0 :DIS) : ENABLE	Permits station access to VMIB.	0:Disable 1:Enable	Disable
2	PROMPT LANGUAGE INDEX (1-3): 1	Selected language type prompt is played to the user when accessing the VMIB.	1 ~ 3	1
3	AUTO-RECORD SERVICE (1 :EN/0 :DIS) : ENABLE	Determines if user can record a conversation with another user (internal/external). It can be used without two-way record button.	0:Disable 1:Enable	Disable
4	TWO WAY RECORD ACCESS (1:EN/0:DIS): ENABLE	When allowed, the station can activate the Two-way record feature to record a conversation.	0:Disable 1:Enable	Disable

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
5	TWO-WAY RECORD DEVICE VM BOARDS	Determines the save location of Two-Way recorded wav files: VM Boards, or Phontage. When Phontage is selected, recorded wav files are saved on the hard disk of the Phontage program-installed PC.		VM Boards
6	REC-MSG BACKUP STA PHONTAGE NUM: ……	When station has new voice mail saved on the VM internal boards, this information is reported to the assigned Phontage number. Phontage user can backup saved voice mail from VM internal boards to the hard disk of the Phontage program-installed PC.		
7	BACKUP MSG DELETE (1:EN/0:DIS): ENABLE	When enabled, Phontage user can delete all voice mail in VM internal boards.	1:Enable 0:Disable	0:Disable
8	VMIB MSG TYPE (1:FIFO/0:LIFO):LIFO	Messages stored in the VMIB may be retrieved in either a FIFO (first-in-first-out) or LIFO (last-in-first-out) order based on this entry.	1:FIFO 0::LIFO	LIFO
9	VMIB NEW MSG NO 000	Display the number of new messages.		
10	VMIB SAVE MSG NO 000	Display the number of saved messages.		

2.3.3.11 Station Mobile Phone Attribute – PGM Code 146

A mobile phone can be used in conjunction with a Digital Phone. The Mobile phone can access system resources available to the user's wired phone and will receive incoming calls. The user may be allowed to enable up to 2 Mobile extensions. Mobile phones are registered to a station using mobile phone number and mobile phone's CLI.

PROCEDURE:	
STA MOBILE PHONE SET ENTER STA RANGE	1. Press the **[PGM]** button and dial 146.
100 – 110 MOBILE ATT ENTER ENTRY NUM (1-2)	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
MOBILE EXT 1 ATT PRESS FLEX_KEY (1-3)	3. Use the dial-pad to enter mobile phone's index (1-2) which may be registered to a station.
	4. Press desired Flex button number (1-3), - Flex 1: enable mobile extension ability - Flex 2: mobile extension number - Flex 3: mobile extension CLI
MOBILE EXT 1 ENABLE (1:ON/0:OFF) : OFF	5. Use the dial-pad 1(ON) or 0(OFF) to enable mobile extension ability
MOBILE EXT 1 NUMBER	6. Use the dial-pad to enter a mobile extension number
MOBILE EXT 1 CLI	7. Use the dial-pad to enter a mobile extension CLI

8. Press the **[SAVE]** button to store the data entry.

Table 2.3.3.11-1 STATION MOBILE PHONE ATTRIBUTES (PGM 146)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	MOBILE EXT 1 ENABLE (1:ON/0:OFF) : OFF	Enables mobile extension ability	0: OFF 1: ON	OFF
2	MOBILE EXT 1 NUMBER ….....	Mobile extension number	Max 24 digits	-
3	MOBILE EXT 1 CLI ….....	Mobile extension CLI number	Max 24 digits	-
4	MOBILE EXT 2 ENABLE (1:ON/0:OFF) : OFF	Enables Second mobile extension ability	0: OFF 1: ON	OFF
5	MOBILE EXT 2 NUMBER ….....	Second Mobile extension number	Max 24 digits	-
6	MOBILE EXT 2 CLI ….....	Second Mobile extension CLI number	Max 24 digits	-
7	MOBILE SERVICE MODE (0-1): ALL CALL	Select Mobile Service Mode. 0: All call – Mobile Extension is operated about all call. 1: Service CLI Only – Mobile Extension is operated with Mobile Service CLI		0
8	MOBILE SERVICE CLI 1	CLI 1 for Mobile Service	Max 24 digits	
9	MOBILE SERVICE CLI 2	CLI 2 for Mobile Service	Max 24 digits	
10	MOBILE SERVICE CLI 3	CLI 3 for Mobile Service	Max 24 digits	
11	MOBILE SERVICE CLI 4	CLI 4 for Mobile Service	Max 24 digits	
12	MOBILE SERVICE CLI 5	CLI 5 for Mobile Service	Max 24 digits	

2.3.3.12 CO/IP Group Access – PGM Code 150

Stations can be allowed or denied access to CO Lines and IP Channels by group, refer to CO Line Attributes, **PGM CODE** 160, button 2/3. As a default, all stations are allowed access to CO/IP group 1.

PROCEDURE:

STATION CO GRP ACCESS **ENTER STA RANGE**	1. Press the **[PGM]** button and dial 150.
SELECT CO GRP IDX **F1(1-24)/F2(-48)/F3(-72)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
	3. Press desired Flex button number (1~3), - Flex 1: to access for CO line 1 to 24 - Flex 2: to access for CO line 25 to 48 - Flex 3: to access for CO line 49 to 72

CO GRP ACCESS **PRESS CO GRP(1-24)**	4. Press the desired Flex button to toggle CO/IP Group access, LED on: group access allowed, LED off: group access not allowed.
	5. Press the **[SAVE]** button to store the data entry.

2.3.3.13 Internal Page Group Access – PGM Code 151

Each Digital Phone can be enabled internal page group access, allowing Stations the ability to make announcements to each Internal Page Group.

PROCEDURE:	
STA PAGE GRP ACCESS **ENTER STA RANGE**	1. Press the **[PGM]** button and dial 151.
SELECT PAGE GRP IDX **F1:1-24 F2:25-30**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
	3. Press desired Flex button number (1~2), - Flex 1: to access for page zone 1 to 24 - Flex 2: to access for page zone 25 to 30
PAGE GROUP ACCESS **PRESS PAGE GRP(01-24)**	4. Press the desired Flex button to toggle Internal Page Zone assignments - LED ON: station makes announcement - LED OFF: station does not make announcement.
	5. Press the **[SAVE]** button to store the Page Zone data.

2.3.3.14 Command Group Access – PGM Code 152–

Each Digital Phone can be enabled for Command Group access. If enabled, a station can make a command conference call.

PROCEDURE:	
CMD CALL GRP ACCESS **ENTER STA RANGE**	1. Press the **[PGM]** button and dial 152.
CMD CALL GRP ACCESS **PRESS GRP BTN (01-10)**	2. Use the dial-pad to enter a station range (Ex. 100~110). For a single station, enter the same number twice.
	3. The first 10 Flex button LEDs indicate assigned command call group. Press the desired Flex button to toggle command call group assignments - LED ON: station use command call group - LED OFF: station does not use command call group
	4. Press the **[SAVE]** button to store the Command group data.

2.3.4 CO LINE DATA – PGM CODES 160-179

2.3.4.1 CO Attribute I, II, III-PGM Code 160-162

CO Attributes define various characteristics of the CO lines under control of the system.

PROCEDURE:	
CO LINE ATTRIBUTE **ENTER COL RANGE**	1. Press the **[PGM]** button and dial: - 160 for CO/IP Attributes I - 161 for CO/IP Attributes II - 162 for CO/IP Attributes III.
001-008 CO LINE ATTR **PRESS FLEX_KEY (01-12)**	2. Use the dial pad to enter a CO Line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240.
	3. Press Flex button to access desired menu. Refer to Table 2.3.4.1-1 to 3 for each attributes. 4. Use the dial pad to change the value.
	5. Press the **[SAVE]** button to store the changed data.

Table 2.3.4.1-1 CO LINE ATTRIBUTES I (PGM 160)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**001 – 030 CO TYPE ISDN/PRI**	Displays physical line type of selected CO line	Display only	-
2	**001 – 030 SVC TYPE (0:NOR/1:DID) : DID**	Set CO line type as DID or Normal	0:Normal 1: DID	0.Normal
3	**001 – 030 OUTGOING GRP NO (01-72) : 01**	Set CO Group Number to apply to outgoing calls	01–72, none(MG-300) 01–24, none(MG-100)	01
4	**001 – 030 INCOMING GRP NO (01-72) : 01**	Set CO Group Number to apply to incoming calls	01–72, none(MG-300) 01–24, none(MG-100)	01
5	**001 – 030 TENANT NO (1-9) : 1**	Set Tenant group number to apply to CO lines.	1-9(MG-300) 1-3(MG-100)	1
6	**001 – 030 DGT CONVERT TBL (1-9) : 1**	Set Digit Conversion Table index	1-9	2
7	**001 – 030 SIGNAL TYPE (0-7) : NO SIGNAL**	Set Answer Signal Type	0: No Signal 1: Send Wink(IC) 2: Wait Seize Ack(OG) 3: Send Wink & Wait Sz Ack 4: Send & Wait Sans 5: Send Wink & Send Answer(IC) 6: Wait Ack & Send Answer(OG) 7: Send All & Wait All	0. No Signal

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
8	001 – 030 RLS TIMING (0-2) : FIRST RLS	If Release Timing is set to first release, CO line is released when one party release the call. If Caller or Called Release is set, CO line is released when caller or called party released the call.	0: First Release 1: Caller Release 2: Called Release	0. First RLS
9	001 – 030 INC/OUT MODE (0-2) : BOTH	Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	0: Incoming Only 1: Outgoing Only 2: Allow Both	2. Both
10	001 – 030 DIALING TYPE (0-2) : DTMF	Signal type can be selected; DTMF, Pulse, R2MFC.	0: DTMF 1: PULSE 2: R2	0.DTMF
11	001 – 030 CHARGE MODE (0-1) : REPORT	If 'FREE', the external call though CO line is not printed/saved to SMDR even though SMDR is enabled. If 'REPORT', the external call though CO, line is included to SMDR according to the SMDR Attributes.	0: Free 1: Report	1.REPORT
12	001 – 030 METERING TYPE (00-12) : NONE	According to PSTN service type, metering type can be selected among 00 ~ 12 to manage call charge. 01 ~ 06 can be applied to LCO lines, 07 ~ 12 can be applied to ISDN lines.	00: None 01: 12KHz 02: 16KHz 03: 50KHz 04: SPR 05: PPR 06: NPR 07: AOC 0(Standard) 08: AOC 1(Italy & Spain) 09: AOC 2(Finland) 10: AOC 3(Australia) 11: AOC 4(Belgium) 12: AOC 5(Netherlands)	0.None

Table 2.3.4.1-2 CO LINE ATTRIBUTES II (PGM 161)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	001 – 001 VOIP/QSIG MODE (1-3) :SIP/PRI(1)	Determines if SIP/PRI, H.323/BRI or Qsig is selected for each VOIP(or ISDN) lines.	1: SIP/PRI 2: H.323/BRI 3: Qsig	1. SIP/PRI
2	001 – 001 DROP TYPE (0:LOOP/1:POL) : LOOP	LCO line drop type	0: Loop 1: Polarity Reverse	0.Loop
3	001 – 001 FLASH TYPE (0:LOOP/1:GND) : LOOP	LCO line Flash type	0: Loop 1: Ground	0.Loop
4	001 – 001 Flash TMR (001-300) : 050(10ms)	CO Flash Timer	001 – 300(10ms base)	050
5	001 – 001 OPEN LOOP TMR (00-20) : 00(100ms)	Open Loop Timer	00 – 20(100ms base)	00
6	001 – 001 LINE LENGTH (0-3): 0(0km)	LCO line length	0: 0km 1: 3km 2: 5km 3: 7km	0.0km

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
7	001 – 001 ZONE NO (1-9) : 1	Zone number of CO lines	1-9	1
8	001 – 001 PROMPT LANGUAGE (1-3) : 1	VMIB Prompt Index	1-3	1
9	001 – 001 ISDN CD (1:ON/0:OFF) : OFF	ISDN lines can be set to use Call Deflection service if PSTN supports Call Deflection.	0: OFF 1: ON	0. OFF

Table 2.3.4.1-3 CO LINE ATTRIBUTES III (PGM 162)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CO ACCESS MODE (0-2): CO LINE	CO lines can be set to blocked, or CO line or Dedicated line.	0: Blocked Line 1: Normal CO Line 2: Dedicated Line	Normal CO Line
2	DIGIT SENDING MODE (0-1) : OVERLAP	CO lines can be set to send digit with overlap or enblock method.	0: Overlap 1: Enblock	Overlap
3	MAX DGT LEN (00-32) : 32	Number of dialed digits can be limited.	00-32	32
4	OVERLAP MIN DGT LEN (00-32) : 00	Number of minimum digits can be limited for overlap dialing.	00-32	00
5	CHECK PASSWORD (1:ON/0:OFF) : OFF	Reserved for Password. Password can be requested when the CO line is seized.	0: OFF 1: ON	0FF
6	R2 CONNECT MODE (0–1):END-TO-END	R2 line connection mode	0: END-TO-END 1: LINK-BY-LINK	ENE-TO-END
7	R2MFC BACKWARD VAL (01–15): 01	R2MFC Backward Value	01-15	01
8	DUMMY DIAL TONE (1:ON/0:OFF) : OFF	When CO line is seized, dummy dial tone can be provided for in case if PSTN does not provide it.	0: OFF 1: ON	OFF

2.3.4.2 CO CID Attributes – PGM Code 163

CID Attributes are assigned for Analog CO Line CID services.

PROCEDURE:	
CO CID ATTRIBUTE ENTER COL RANGE	1. Press the **[PGM]** button and dial 163.
001-001 CID ATTR PRESS FLEX_KEY (1-8)	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240
See the following table DISPLAY	3. Press the desired Flex button; refer to Following Table
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.2-1 CO CID ATTRIBUTES (PGM 163)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	001-001 CID MODE (0-4) : DISABLED	CID signal type can be assigned according to the CID type PSTN provides.	0: Disabled 1: FSK 2 : DTAS FSK 3: DTMF 4: R-CID	Disabled
2	001-001 RCID DETECT (1:ALL/0:LOCAL) : ALL	Russia CID Detect Mode	0: LOCAL 1: ALL	ALL
3	001-001 RCID REQUEST (1:AUTO/0:USER) : AUTO	Russia CID Request Mode	0: USER 1: AUTO	AUTO
4	001-001 RCID DGT NUMBER (04-10) : 07	Russia CID Digit Number	04-10	07
5	001-001 RCID NO ANS TMR (001-300) : 020(sec)	Russia CID NO-Answer Timer	001-300(sec)	020
6	001-001 RCID REQ COUNT (1-3) : 1	Russia CID Request Count	1-3	1
7	001-001 RCID REQ FIRST-D (010-150) : 037(10ms)	Russia CID First Delay Timer	010-150(10msec)	037
8	001-001 RCID REQ RETRY-D (10-30) : 10(10ms)	Russia CID Retry Delay Timer	10-30(10msec)	10

2.3.4.3 CO Incoming Attribute I, II – PGM Code 165-166

CO Incoming Attributes define various characteristics of the CO lines under control of the system when there is an incoming CO call.

PROCEDURE:	
CO INCOMING ATTR1 ENTER COL RANGE	1. Press the **[PGM]** button and dial 166.
001-008 INC ATTR1 PRESS FLEX_KEY (1-14)	2. Use the dial pad to enter a CO Line range. For a single CO Line, enter the same number twice (01-80 for MG-100, 001-240 for MG-300).
See the following table DISPLAY	3. Press Flex button to access desired menu. Refer to the following Table for each attributes. - Use the dial pad to change the value.
	4. Press the **[SAVE]** button to store the changed data.

Table 2.3.4.3-1 CO INCOMING ATTRIBUTES I (PGM 165)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	NAME	Incoming CO line name can be assigned.	Max 16 characters	-
2	SCREEN INDICATOR (1:ON/0:OFF) : OFF	Determines if screen indicator will be inserted in ISDN messages.	0: Off (user-provided, not screened) 1: On (user-provided, verified and passed)	OFF

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
3	CALLING TYPE (0-4):SUBSCRIBER	For Incoming calls on the ISDN Line, this parameter defines the "Type of Number Plan" provided in Connected Party Information Element of the ISDN call CONNECT message	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	Subscribe
4	CALLING NUM PLAN (0-5):UNKOWN	Select Connected number plan of ISDN CONNECT message.	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
5	SEND PROGRESS IND (1:ON/0:OFF) : OFF	If this feature is set to ON, Progress Indicator is sent to the ISDN PSTN.	0: Off 1: On	OFF
6	R2 ANI SVC REQ (1:ON/0:OFF) : OFF	If this feature is set to ON to R2 line, system request ANI digits (CLI data) to the calling party.	0: Off 1: On	OFF
7	ICLID SERVICE (1:ON/0:OFF) : OFF	If this feature is set to ON, incoming call is routed according to ICLID table(PGM 262)	0: Off 1: On	OFF
8	OWN CODE TO TRANSIT CLI (1:ON/0:OFF) : OFF	If this feature is set to ON, original caller's CLI is sent when there is transit call.	0: Off 1: On	OFF
9	OWN CODE	Own Code	Max 16 digits	-
10	CLI PREFIX CODE ..	Prefix code is inserted ahead of received CLI data according to call type.	Max 2 digits	-
11	INTERNATIONAL CODE	International Code is inserted ahead of received CLI data according to call type.	Max 4 digits	
12	TRANSIT CLI 1	If Transit CLI type of outgoing CO line is set to 1, Transit CLI 1 is sent.	Max 24 digits	-
13	TRANSIT CLI 2	If Transit CLI type of outgoing CO line is set to 2, Transit CLI 2 is sent.	Max 24 digits	-
14	TRANSIT CLI 3	If Transit CLI type of outgoing CO line is set to 3, Transit CLI 3 is sent.	Max 24 digits	-
15	CLI CONV. TABLE (1-9): 1	CLI Converstion table index	1-9	1

Table 2.3.4.3-2 CO INCOMING ATTRIBUTES II (PGM 166)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	PROVIDE DIAL TONE (1:ON/0:OFF) : OFF	If this feature is set to ON, dial tone is provided to networking CO.	0: Off 1: On	OFF
2	BLF USAGE (1:ON/0:OFF) : OFF	If this feature is set to ON, flex button LED will be flashing when CO line is programmed on the button.	0: Off 1: On	ON
3	UNSUP CONF EXTEND (1 :EN/0 :DIS) : DISABLE	If this feature is set to ON, unsupervised conference timer can be extended by dial feature code after warning tone is heard.	0: Disable 1: Enable	DISABLE
4	BLOCK IN CLRFWD TMR (1:ON/0:OFF) : OFF	If this feature is set to ON, CO line is blocked after clear forward waiting time.	0: Off 1: On	OFF

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
5	CPT DETECT (1:ON/0:OFF) : OFF	If this feature is set to ON, Call processing tone is detected to disconnect LCO line.	0: Off 1: On	ON
6	ANSWER WAITING CALL (1:ON/0:OFF) : OFF	If this feature is set to ON, system sends answer when call is waited.	0: Off 1: On	OFF
7	UNIVERSAL ANSWER (1:ON/0:OFF) : OFF	If this feature is set to ON, any station to answer a call on the CO Line by dialing the Universal Answer feature code.	0: Off 1: On	OFF
8	RLS GUARD TIME (00-15) : 01(sec)	If CO release signaling is not completed successfully, CO line is disconnected when timer expires.	00-15 (sec)	01
9	UNSUP CONF TIMER (000-255): 000(min)	When there is conference call without supervisor, or there is any CO-to-CO call, the call is disconnected after timer expires. The warning tone is heard before the line is disconnected.	000-255(min)	000
10	WAIT CLRFWD TIME (001-300) ; 300(sec)	Clear Forward Waiting Time	001-300 (sec)	300
11	MAX RING TIME (1:ON/0:OFF) : OFF	Max. Ring Time for when incoming CO calls are transferred/recalled.	015-300 (sec)	120
12	DISA SUPERVISION TMR (1-9): 2(sec)	DISA Supervision Timer	1-9 (sec)	2
13	VMIB PLAY DELAY TMR (0-9): 0(sec)	Determines the amount of time paused before playing VMIB announcement.	0-9 (sec)	0
14	INCOMING TIME TABLE (1-9): .	The time table index to be applied to incoming CO Call	1-9, none	none

2.3.4.4 CO Ring Assignment – PGM Code 167

Each CO line is assigned to stations or feature code for an incoming call (Ring). Separate ring assignments are made for Day, Night, and Timed Ring modes. The Ring signal can be set for immediate or delayed ringing allowing other stations to be assigned ringing and answered prior to delayed station. If 'DISA Tone Service' feature code is assigned, DISA service is activated at the CO line.

PROCEDURE:	
CO RING ASSIGNMENT ENTER COL RANGE	1. Press the **[PGM]** button and dial 167.
001-001 CO RING ASSIGN F1:DAY/F2:NIGHT/F3:TIMED	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01~80, for MG-300, the acceptable range is 001-240
See the following table DISPLAY	3. Select Day mode and Press the desired Flex button; refer to the following Table
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.4.4-1 CO RING ASSIGNMENT (PGM 167)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SERVICE TYPE (0-3) : ALL RING	If service type is set as 0 ~ 2, ring option is applied to ring assigned stations. Otherwise, if service type is set to 3, feature code is activated on incoming call.	0: All Ring 1: First Idle 2: Circular 3: Feature Code	All Ring
2	FEATURE CODE	If Service type is set to Feature Code and valid feature code is assigned, then assigned feature is activated when there is an incoming call. NOTE: Feature Code is not applied to rerouted calls.	Valid Feature Code (Refer to PGM115)	-
3	FEATURE DELAY(3sec) (00-30) : 00	If Service type is set to Feature code, it can be delayed.	00-30	00
4	100[0]	Assigned station and delay value can be displayed. Volume Up/Down key is used to scroll data.	-	-
5	MEMBER ASSIGN ENTER STA RANGE	To change station's ring assign status, enter desired station range. (Max 30 stations can be assigned)	Start Station & End Station	-
5 – 1	101- 101 DELAY (0-9) : 0	Enter delay value; if delay is 0, station will start to ring immediately. If delay value is deleted, the station will not ring. Otherwise if delay is 1 ~ 9, the station will start to ring after delay time(3 times of delay value)	0-9	STA100 (Port 0): delay 0 Others: not assigned

2.3.4.5 Incoming CO Normal/DISA Attribute – PGM Code 168

If the CO line is set to Normal type, it can have normal CO Attributes including DISA service option.

PROCEDURE:	
INC CO NOR/DISA ATT ENTER COL RANGE	1. Press the **[PGM]** button and dial 168.
001-001 NORMAL/DISA ATT F1:DAY/F2:NIGHT/F3:TIMED	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240
See the following table DISPLAY	3. Select Day mode and Press the desired Flex button; refer to Following Table
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.5-1 INCOMING CO NORMAL/DISA ATTRIBUTES(PGM 168)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CO ACCESS FROM DISA (1:ON/0:OFF) : OFF	If this feature is set to ON, CO to CO call can be made from DISA line.	0: Off 1: On	OFF
2	DISA TO CO PASSWORD (1:ON/0:OFF) : OFF	When making CO-to-CO call from DISA line, password can be requested.	0: Off 1: On	OFF

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
3	DISA RETRY COUNT (1-9) : 3	When DISA call is failed to route desired destination, the call can be retried as much as Retry Count.	1-9	3
4	PRESET FORWARD TIME (00-20): 00(sec)	If the CO is not answered in Preset Forward Time, it will be routed to assigned ring table.	00-20(sec)	00
5	PRESET FWD RING TBL (01-80): ..	Preset Forward ring table index can be assigned. (Refer to PGM 181)	01-80	-

2.3.4.6 CO Incoming Alternate Destination – PGM Codes 169

When a DID or DISA is routed to an abnormal destination, the call can be rerouted to alternate destination. The destination is separately defined for Day/ Night/ Timed mode according to several conditions.

PROCEDURE:	
CO INCOMING ALT DEST ENTER COL RANGE	1. Press the **[PGM]** button and dial 169.
001-001 ENTER DAY MODE F1:DAY/F2:NIGHT/F3:TIMED	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240
001-001 DAY ALT DEST ENTER ERR TYPE(F1-F8)	3. Select Day mode and Dial Error Type; refer to Following Table.
See the following table DISPLAY	4. Press the desired Flex button; refer to Following Table
	5. Use the dial-pad to enter desired data for the Attribute.
	6. Press the **[SAVE]** button to store the data entered.

Table 2.3.4.6-1 CO INCOMING ALTERNATE DESTINATION (PGM 169)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
-	001-002 DAY ALT DEST ENTER ERR TYPE(F1-F8)	Abnormal case can be selected as error type.	F1: Busy F2: No Answer F3: Invalid F4:Transfer No Answer F5: Recall No Answer F6: DND F7: Off-Hook State F8: Error	-
1	DAY) BUSY DEST DISCONNECT	The CO call is disconnected. Every destination is set to 'Disconnect' by default.	-	-
2	DAY) BUSY DEST ATTENDANT	The CO call is routed to Attendant.	-	-

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
3	DAY) BUSY DEST CO RING ASSIGN	The CO call is routed according to Ring Assign Table (PGM 167).	-	-
4	DAY) BUSY DEST ALT RING TBL(01-80):..	If destination is set to Alt Ring Table and the table index is assigned, the CO call is routed according to Alt Ring Table (PGM 181).	01-80	..
5	DAY) BUSY DEST TONE	The Error / Busy tone is heard.	-	-
6	DAY) BUSY DEST PILOT HUNT GROUP	The CO call is routed to Pilot Hunt Group of the original destination. Not available when 'Invalid' case.	-	-
7	DAY) XFER NO ANS DEST RING	The call is routed to the same destination again. Only possible for 'Transfer No Answer' or 'Recall No Answer' case.	-	-
8	DAY) XFER NO ANS DEST XFER STA	The CO call is routed to the transferred station again. Only possible for 'Transfer No Answer' case.	-	-

2.3.4.7 CO Outgoing Attributes I, II – PGM Code 170-171

CO Outgoing Attributes define various characteristics of the CO lines under control of the system when there is an outgoing CO call.

PROCEDURE:	
CO OUTGOING ATTR1 ENTER COL RANGE	1. Press the **[PGM]** button and dial: - 170 for CO Outgoing Attributes I - 171 for CO Outgoing Attributes II
001-008 OG ATTR1 PRESS FLEX_KEY (01-16)	2. Use the dial pad to enter a CO Line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240.
See the following table DISPLAY	3. Press Flex button to access desired menu. Refer to the following Table for each attributes. Use the dial pad to change the value.
	4. Press the **[SAVE]** button to store the changed data.

Table 2.3.4.7-1 CO OUTGOING ATTRIBUTES I (PGM 170)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SCREEN INDICATOR (1:ON/0:OFF) : OFF	Determines if screen indicator is used in ISDN message.	0: Off(user-provided, not screened) 1: On(user-provided, verified and passed)	OFF
2	SENDING CALLER NO (1:ON/0:OFF) : ON	Sending Caller number message of ISDN	0: Off 1: On	ON
3	CALLING TYPE (0-4):SUBSCRIBER	For outgoing calls on the ISDN Line, this parameter defines the "Type of Number Plan" provided in Calling Party Information Element of the ISDN call SETUP message	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	Subscribe

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
4	CALLING NUM PLAN (0-5):UNKOWN	Select Calling number plan of ISDN SETUP message.	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
5	CALLED NUM PLAN ID (0-5):UNKNOWN	Select Called number plan of ISDN SETUP message.	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
6	BEARER CAPABILITY (0-5): SPEECH	Select Bearer Capability of ISDN SETUP message.	0: Speech 1: Unrestricted 2: Restricted 3: 3.1KHz Audio 4: 7KHz 5:Video	0:Speech
7	ISDN LINE TYPE (1:U-LAW/0:A-LAW): A-LAW	The system will encode voice using the A-law or u-law PCM format and should be set to match the ISDN Back bone type.	0: A-law 1: U-law	0:A-Law
8	SENDING COMPLETE IE (1:ON/0:OFF) : OFF	If set, will send 'Sending Complete' IE to ISDN SETUP message.	0: Off 1: On	OFF
9	MAKE TRANSIT CLI (1:ON/0:OFF) : OFF	When no CLI is sent with a transit call, system will initiate a CLI to CO direct transit call.	0: Off 1: On	OFF
10	OWN CODE TO TRANSIT CLI (1:ON/0:OFF) : OFF	If this feature is set to ON and same feature of incoming CO attribute is also set to ON, then Own code of outgoing CO line is inserted to the CLI of transit CO call.	0: Off 1: On	OFF
11	USE REPRESENTATIVE CLI (1:ON/0:OFF) : OFF	If this feature is set to ON, representative CLI is used to every outgoing call of selected CO line.	0: Off 1: On	OFF
12	REPRESENTITIVE CLI	When 'Use Represent CID'(PGM170-F10) is set to ON, representative CLI is sent when making outgoing call regardless of other CLI attribute.	Max 16 digits	-
13	OWN CODE	CO Own code can be inserted before station number when making outgoing call CLI.	Max 16 digits	-
14	CLI TYPE (0-3) NORMAL	CLI type can be selected. If set to Long CLI, only selected long CLI data is used instead of normal CLI.	0: Normal 1: Long CLI 1(PGM 135-F10) 2: Long CLI 2(PGM 135-F11) 3: Long CLI 3(PGM 135-F12)	0:Normal
15	TRANSIT CLI TYPE(0-3) NORMAL	Transit CLI type can be selected. If set to transit CLI, only selected transit CLI data is used instead of normal CLI.	0: Normal 1: CLI 1(PGM 165-F8) 2: CLI 2(PGM 165-F9) 3: CLI 3(PGM 165-F10)	0:Normal

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
16	CLI CONV. TABLE (1-9): .	CLI Conversion Table index	1-9, none	none
17	REDIRECTION NO (1:ON/0:OFF) : OFF	Redirection number	0: Off 1: On	OFF
18	ACNR EXTEND TIMER (00-99) : 00 (sec)	ACNR extend timer	00-99	00

Table 2.3.4.7-2 CO OUTGOING ATTRIBUTES II (PGM 171)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CPT DETECT (1:ON/0:OFF) : ON	If this feature is set to ON, CPT(Call Processing Tone) is detected and the line can be dropped.	0: Off 1: On	ON
2	UNSUP CONF EXTEND (1:ON/0:OFF) : OFF	If this feature is set to ON, Unsupervised Conf Timer can be extended by dialing feature code after warning tone is heard.	0: Off 1: On	OFF
3	PROVIDE RING BACK TN (1:ON/0:OFF) : OFF	If this feature is set to ON, dummy ring back tone is heard by system when CO line is seized.	0: Off 1: On	OFF
4	BLF USAGE (1:ON/0:OFF) : OFF	If this feature is set to ON, flex button LED will be flashing when CO line is programmed on the button.	0: Off 1: On	ON
5	RLS GUARD TIMER (00-15) : 02(sec)	If CO release signaling is not completed successfully, CO line is disconnected when the timer expires.	00-15 (sec)	02
6	UNSUP CONF TIMER (000-255): 000(min)	When there is conference call without supervisor, or there is any CO-to-CO call, the call is disconnected after the timer expires. The warning tone is heard before the line is disconnected.	000-255(min)	000
7	MAX TRANSFER RING TIMER (001-300): 120(sec)	Max. Ring Time when outgoing CO is transferred/recalled.	001-300 (sec)	120
8	OUTGOING TIME TABLE (1-9): .	The time table index to be applied to outgoing CO Calls	1-9, none	none

2.3.4.8 CO Outgoing Alternate Destination – PGM Codes 173

Calls can be routed to an alternate destination that can be separately defined for Day/ Night/ Timed mode according to several conditions.

PROCEDURE:	
CO OUTGOING ALT DEST ENTER COL RANGE	1. Press the **[PGM]** button and dial 173.
001-001 ENTER DAY MODE F1:DAY/F2:NIGHT/F3:TIMED	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240
001-002 DAY ALT DEST ENTER ERR TYPE(F1-F3)	3. Select Day mode and Dial Error Type; refer to Following Table.

See the following table DISPLAY	4. Press the desired Flex button; refer to Following Table
	5. Use the dial-pad to enter desired data for the Attribute.
	6. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.8-1 CO OUTGOING ALTERNATE DESTINATION (PGM 173)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
-	001-002 DAY ALT DEST ENTER ERR TYPE(F1-F3)	Abnormal case can be selected as error type.	F1: Recall No Answer F2:Transfer No Answer F3: No Answer	-
1	DAY) NO ANSWER DISCONNECT	The CO call is disconnected. Every destination is set to 'Disconnect' by default.	-	-
2	DAY) NO ANSWER ATTENDANT	The CO call is routed to Attendant.	-	-
3	DAY) NO ANSWER CO RING ASSIGN	The CO call is routed according to Ring Assign Table. (see PGM 167)	-	-
4	DAY) NO ANSWER ALT RING TBL(01-80):..	If destination is set to Alt Ring Table and the table index is assigned, the CO call is routed according to Alt Ring Table. (See PGM 181)	01-80	..
5	DAY) NO ANSWER TONE	If destination is set to Tone, the Error / Busy tone is heard.	-	-
6	DAY) NO ANSWER PILOT HUNT GROUP	The CO call is routed to Pilot Hunt Group of the original destination.	-	-
7	DAY) NO ANSWER RING	The call is routed to the same destination again.	-	-
8	DAY) XFER NO ANS XFER STA	The CO call is routed to the transferred station again. Only possible for 'Transfer No Answer' case.	-	-

2.3.4.9 CO Outgoing Inter-Digit Timer – PGM Code 174

When making an outgoing LCO call, the time limit to enter digits can be adjusted. After timeout, the voice path is automatically connected. This timer does not apply to digital CO lines.

PROCEDURE:	
OUTGOING INTER DGT TMR ENTER COL RANGE	1. Press the **[PGM]** button and dial 174
001-002 INT DGT TMR PRESS FLEX_KEY(1-7)	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240
See Following Table2.3.4.2-1 DISPLAY	3. Press the desired Flex button; refer to Following Table
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.9-1 CO OUTGOING INTER DIGIT TIMER (PGM 174)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SEIZE WAIT TIME (005-200) : 020(100msec)	Wait time before first digit	005-200 (100msec)	020
2	FIRST DGT (010-200) : 100(100msec)	Time limit between first digit and the next digit.	010-200 (100msec)	100
3	SENCOND DGT (010-200) : 080(100msec)	Time limit between second digit and the next digit.	010-200 (100msec)	080
4	THIRD DGT (010-200) : 070(100msec)	Time limit between third digit and the next digit.	010-200 (100msec)	070
5	FORTH DGT (010-200) : 060(100msec)	Time limit between forth digit and the next digit.	010-200 (100msec)	060
6	FIFTH DGT (010-200) : 050(100msec)	Time limit between fifth digit and the next digit.	010-200 (100msec)	050
7	MORE THAN 6TH (010-200) : 040(100msec)	Time limit between digit and the next digit after sixth digit.	010-200 (100msec)	040

2.3.4.10 CO DTMF Sending Delay Timer – PGM Code 175

When making outgoing CO calls, the time interval to send DTMF tones of each digit can be adjusted. This feature is useful for the Speed Dial or Redial feature.

PROCEDURE:	
DTMF SENDING DELAY TMR ENTER COL RANGE	1. Press the **[PGM]** button and dial 175
001-002 DELAY TMR PRESS FLEX_KEY(1-7)	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240.
See the following table DISPLAY	3. Press the desired Flex button; refer to Following Table.
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.10-1 DTMF SENDING DELAY TMR (PGM 175)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	FIRST DTMF DELAY (00-90) : 05(100msec)	Delay time before sending first digit	00-90(100msec)	05
2	SECOND DTMF DELAY (00-90) : 02(100msec)	Delay time before sending next digit after sending first digit DTMF tone	00-90(100msec)	02
3	THIRD DTMF DELAY (00-90) : 02(100msec)	Delay time before sending next digit after sending second digit DTMF tone	00-90(100msec)	02
4	FORTH DTMF DELAY (00-90) : 02(100msec)	Delay time before sending next digit after sending third digit DTMF tone	00-90(100msec)	02
5	FIFTH DTMF DELAY (00-90) : 02(100msec)	Delay time before sending next digit after sending forth digit DTMF tone	00-90(100msec)	02

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
6	SIXTH DTMF DELAY (00-90) : 02(100msec)	Delay time before sending next digit after sending fifth digit DTMF tone	00-90(100msec)	02
7	MORE THAN 7 (00-90) : 02(100msec)	Delay time before sending next digit after sending sixth digit DTMF tone	00-90(100msec)	02

2.3.4.11 CO COS Assignment – PGM Code 177

Every CO line has its own COS and the toll of assigned COS is applied to the CO call (refer to Toll Table, PGM 250).

PROCEDURE:	
CO COS ASSIGNMENT ENTER COL RANGE	1. Press the **[PGM]** button and dial 177
001-002 CO COS ASSIGN F1:DAY/F2:NIGHT/F3:TIMED	2. Use the dial-pad to enter a CO line range. For a single CO Line, enter the same number twice. For MG-100, acceptable range is 01-80, for MG-300, the acceptable range is 001-240
001-002 DAY COS (00-15) : 00	3. After select desired day mode, use the dial-pad to assign COS table bin number
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.11-1 CO COS ATTRIBUTES (PGM 177)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	001-001 DAY COS (00-15) : 00	CO COS in Day mode	00-15	0
2	001-001 DAY COS (00-15) : 00	CO COS in Night mode	00-15	0
3	001-001 DAY COS (00-15) : 00	CO COS in Timed mode	00-15	0

2.3.4.12 CO to CO Transfer Attributes – PGM Code 179

When there is CO transit call, transfer options can be set separately to each CO groups.

PROCEDURE:	
CO TO CO XFER ATTR ENTER FIRST CO GRP NO	1. Press the **[PGM]** button and dial 179
CO TO CO XFER ATTR ENTER SECOND CO GRP NO	2. Use the dial-pad to enter the first CO Group Number. Available CO Group number is 01-72 in MG-300, 01-24 in MG-100 system.
XFER CO GRP 01 TO GRP 02 PRESS FLEX_KEY(1-9)	3. Use the dial-pad to enter the second CO Group Number. Available CO Group number is 01-72 in MG-300, 01-24 in MG-100 system.

See the following table DISPLAY	4. Press the desired Flex button; refer to Following Table
	5. Use the dial-pad to enter desired data for the Attribute.
	6. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.12-1 CO TO CO TRANSFER ATTRIBUTES (PGM 179)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	STA OG CALL XFER (1:ON/0:OFF) : ON	While stations are connected to outgoing CO call of first CO Group, the station can transfer the call to second CO group.	0: Off 1: On	ON
2	ATD OG CALL XFER (1:ON/0:OFF) : ON	While ATD is connected to outgoing CO call of first CO Group, the ATD can transfer the call to second CO group.	0: Off 1: On	ON
3	OG CALL XFER RLS TYPE (0-1) : NONE	If outgoing CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	0: None 1: Release after Release Timer	None
4	OG CALL XFER RLS TIME (000-300) : 060(sec)	If an outgoing CO call is transferred to CO call and CO – to – CO call is started, the call is disconnected after release time, when release type is set to 'Rls after Rls Time'. Before disconnecting, a warning tone is provided.	000-300(sec)	060
5	IC CALL XFER DIRECTLY (1:ON/0:OFF) : OFF	If this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	0: Off 1: On	OFF
6	STA IC CALL XFER (1:ON/0:OFF) : ON	While stations are connected to incoming CO call of first CO Group, the station can transfer the call to second CO group.	0: Off 1: On	ON
7	ATD IC CALL XFER (1:ON/0:OFF) : ON	While ATD is connected to incoming CO call of first CO Group, the ATD can transfer the call to second CO group.	0: Off 1: On	ON
8	IC CALL XFER RLS TYPE (0-1) : NONE	If incoming CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	0: None 1: Release after Release Timer	None
9	IC CALL XFER RLS TIME (000-300) : 060(sec)	If an incoming CO call is transferred to CO call and CO – to – CO call is started, the call is disconnected after release time, when release type is set to 'Rls after Rls Time'. Before disconnected, warning tone is provided.	000-300(sec)	060

2.3.4.13 CO Group Access Code Attribute – PGM Code 180

Each CO Group Access Code allows user to access the CO group using different codes and different options.

PROCEDURE:	
CO GRP ACCESS CODE ATTR ENTER ACCESS CODE	1. Press the **[PGM]** button and dial 180
9 ATTR PRESS FLEX_KEY(1-7)	2. Use the dial-pad to enter CO Grp Access Code. Access code can be edited in Numbering Plan (PGM 113)
See Following Table DISPLAY	3. Press the desired Flex button; refer to the following Table.
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.13-1 CO GROUP ACCESS CODE ATTRIBUTES (PGM 180)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	9 ACCESS CODE NAME	When a CO Grp Access code is dialed or Flex Button is pressed; name is displayed on the station's LCD.	Max 16 characters	-
2	9 CO LINE CHOICE (0-2) : LAST LINE	Decide to select to CO line priority to seize. NOTE: When Outgoing Group Number is not assigned, this option is not applied.	0: Round Robin 1: Last Line 2: First Line	Last Line
3	9 OUTGOING GRP NO (01-72) : ..	Determines the CO Group number used to seize. NOTE: If not assigned, the access code is used as LOOP key.	01-72 (MG-300) 01-24 (MG-100)	Not assigned to the first access code. 01-72(MG-300) 01-24(MG-100) is assigned sequentially from the second access code
4	9 AND DGT	Automatic Network Dialing (AND) digit is sent after CO line seized. This feature allows user to initiate CO calls only by dialing CO Group Access Code.	Max 10 digits	-
5	9 ARS SERVICE (1:ON/0:OFF) : OFF	If Alternate Route Selection (ARS) is set, ARS digit is dialed instead of CO Group Access code when there is no available path.	0: Off 1: On	OFF
6	9 ARS DGT 1	Alternate CO Group Access code to be used when original CO Group Access code failed to find available CO line.	Max 8 digits	-
7	9 ARS DGT 2	Second alternate CO Group Access code to be used when original CO Group Access code and first ARS code failed to find available CO line.	Max 8 digits	-

2.3.4.14 Alternate Ring Assignment – PGM Code 181

The Supplementary Ring Assignment table, is used for programming alternate ring destinations which can be stations or any feature code (stations do not have a delay value).

PROCEDURE:	
ALT RING ASSIGNMENT **ENTER TBL INDEX(01-80)**	1. Press the **[PGM]** button and dial 181.
01 RING ASG TBL **PRESS FLEX_KEY(1-4)**	2. Enter table index.
See the following table **DISPLAY**	3. Press the desired Flex button; refer to Following Table
	4. Use the dial-pad to enter desired data for the Attribute.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.4.14-1 ALTERNATE RING ASSIGNMENT (PGM 181)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**SERVICE TYPE** **(0-3) : ALL RING**	If set as 0 ~ 2, ring option is applied to ring assigned stations. Otherwise, if set to 3, feature code is activated for incoming calls.	0: All Ring 1: First Idle 2: Circular 3: Feature Code	ALL RING
2	**CO RING ASSIGN**	Destination stations can be edited using a range or one by one. If press Flex 1-4 and then dial station range (up to 30 stations) or edit one station number.	(00-30) or one station number	-
3	**FEATURE CODE**	If set to Feature Code and valid feature code is assigned, then assigned feature is activated when there is an incoming call. NOTE: Feature Code is not applied to rerouted calls.	Valid Feature Code (Refer to PGM115)	-
4	**FEATURE DELAY(3sec)** **(00-30) : 00**	If Service type is set to Feature code, it can be delayed.	00-30	00

2.3.5 SYSTEM GROUP DATA – PGM CODES 200-211

Stations can be grouped for call routing, dialing, call pick-up, or various purposes.
The following groups can be defined:

1. Station Group: Terminal / Circular / Ring / Longest Idle / VM
2. Pick Up Group
3. Paging Group
4. Command call Group
5. PTT Group
6. Interphone Group
7. Pilot Hunt Group

2.3.5.1 Station Group – PGM Code 200

Stations can be grouped so that incoming calls will search (hunt) for an idle station in the group. The system allows assignment of three hunt processes, Terminal, Circular, Ring, Longest Idle and VM.

The Station Group capacities for the iPECS-MG system are shown in table 2.3.5.1-1.

Table 2.3.5.1-1 STATION GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of Groups	20	50
Member in a Group	50	50

Certain types of groups can incorporate announcements, which are given to the calling party. The system VMIB can store up to seventy (70) announcements for use with Station Groups.
NOTE: A station can belong to multiple groups.

Under Station Group Assignments the type, members and Pick-Up attribute are assigned to the Station Group. Refer to Table 2.3.5.1-2 for a description of the functions, the LCD displays and data entries required.

PROCEDURE:	
STATION GROUP **ENTER NO(620-669)**	1. Press the **[PGM]** button and dial 200.
620 STATION GR. **PRESS FLEX KEY (1-5)**	2. Use the dial pad to enter the desired Station Group number (620-639 for the iPECS-MG 100 and 620-669 for iPECS-MG 300).
Refer to the following table **DISPLAY**	3. Press the Flex button for the desired setting; refer to the following table.
	4. Use the dial pad to enter the desired Station Group data. NOTE: for group members, enter a station or station range. For an individual station press the desired Flex button for the position of the station in the group and dial the station number. For a range, enter the first and last station number in the range.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.1-2 STATION GROUP ASSIGNMENT (PGM 200)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	620 GROUP TYPE 0.NOT ASG (0-5)	This entry defines the type of station group.	0:Not Assign 1: Terminal 2: Circular 3: Ring 4: Longest Idle 5: Voice Mail	0

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	620 GROUP NAME	This entry defines the name of group	Max 16 characters	-
3	620 TENANT NO (1-9) : 1	This entry assigns a tenant of station group	1-9(MG-300) 1-5(MG-100)	1
4	620 TIME TABLE IDX (1-9) : 1	Time table index	1-9	1
5	620 PICKUP OPTION 0. DISABLE (0-3)	Stations can pick-up group calls ringing at other stations in the group.	0: Disable 1: All Call 2: Intercom 3: External	Disable
6	620 MEMBER ASSIGN	This entry assigns stations as members of a station group.		-

2.3.5.2 Station Group Greeting/Queuing Attributes – PGM Code 201

Each type of group has a different set of available attributes relating to the greeting and queuing announcements, time. Table 2.3.5.2-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
GREETING/QUEUING ATTR ENTER NO(620-669)	1. Press the **[PGM]** button and dial 201.
620 GRT/QUEUE ATTR PRESS FLEX_KEY (01-12)	2. Use the dial pad to enter the desired Station Group number (620~639 for the iPECS-MG 100 and 620~669 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired attribute; refer to the following table.
	4. Use the dial pad to enter the desired Group Attributes data, refer to the following table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.2-1 STATION GROUP ATTRIBUTES (PGM 201)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	620 GREETING TYPE 0.NORMAL(0-4)	This entry defines the type of greeting tone.	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	0
2	620 GREETING PLAY (000-180) : 000 (sec)	This entry defines greeting play time.	000~180 (seconds)	000
3	620 GREETING TONE NO (01-19) : ..	This entry defines greeting tone number in case greeting type is normal.	01~19	NOT ASG
4	620 GREETING PRT/ANNC (001-255) : ...	This entry defines greeting prompt / annc Number in case greeting type is PROMPT/ANNC.	001-255	NOT ASG

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
5	620 GREETING REPEAT NO (000-100) : 003	This entry defines greeting repeat number	000-100	3
6	620 GREETING RPT DELAY (000-100) : 000 (sec)	This entry defines the pause timer before greeting repeat.	000-100 (seconds)	0
7	620 QUEUING TYPE 3.INT MOH(0-4)	This entry defines the type of queuing tone.	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	3
8	620 TIMEOUT TIMER (000-180) : 030 (sec)	This entry defines greeting/queuing timeout timer.	010~300 (seconds)	30
9	620 QUEUING TONE NO (01-19) : ..	This entry defines queuing tone number in case queuing type is normal.	01~19	NOT ASG
10	620 QUEUING PRT/ANNC (001-255) : ...	This entry defines queuing prompt / annc Number in case queuing type is PROMPT/ANNC.	001-255	NOT ASG
11	620 QUEUING REPEAT NO (000-100) : 003	This entry defines queuing repeat number	000-100	3
12	620 QUEUING RPT DELAY (000-100) : 000 (sec)	This entry defines the pause timer before queuing repeat.	000-100 (seconds)	0

2.3.5.3 Station Group Attributes – PGM Code 202

Each type of group has available attributes relating to announcements, timers, forward, etc. Table2.3.5.3-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
STATION GROUP ATTR ENTER NO(620-669)	1. Press the **[PGM]** button and dial 202.
620 GROUP ATTR PRESS FLEX_KEY (1-7)	2. Use the dial pad to enter the desired Station Group number (620~639 for the iPECS-MG 100 and 620~669 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired attribute; refer to the following table
	4. Use the dial pad to enter the desired Group Attributes data, refer to the following table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.3-1 STATION GROUP ATTRIBUTES (PGM 202)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	620 CALL IN GREETING (0-1): AFTER GREETING	This entry defines if a call is routed to destination during greeting tone is played.	0.After Greeting 1. In Greeting	0
2	620 MAX QUEUE COUNT (00-99) : 00	This entry defines queue count.	00~99	00
3	620 FORWARD TYPE 0.NOT USED (0-4)	This entry defines forward type. 0. Not used 1. Unconditional: a call is routed to a forward destination unconditionally. 2. Queuing overflow: a call is routed to a forward destination when a queue is overflow. 3.Tmeout: a call is routed to a forward destination when a timeout timer is expired. 4. All: a call is routed to a forward destination when a queue is overflow or Timeout timer is expired.	0. NOT USED 1. UNCOND 2. Q Overflow 3. Time out 4. All	0
4	620 APPLY TIME TYPE 0. ALL (0-3)	This entry defines a time to apply forward type.	0. ALL 1. DAY 2. NIGHT 3. TIMED	0
5	620 FWD DESTINATION	This entry defines a forward destination. (Trunk access code should be included)	Max 16 digits	None
6	620 WRAP UP TMR (000-600) : 010 (100ms)	This entry defines a wrap up timer. A member is available when this timer is expired after a member goes to idle.	000-600	010
7	620 MEMBER NO ANS TMR (050-600): 150 (100ms)	This entry defines no answer timer. If this timer is expired, a call is routed to the next member.	050-600	150

2.3.5.4 Voice Mail Group Attributes – PGM Code 203

Voice Mail group has available attributes relating to dialing service as put mail, get mail, etc. Table2.3.5.4-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
VM GROUP ATTR ENTER NO(620-669)	1. Press the **[PGM]** button and dial 203.
620 VM ATTR PRESS FLEX_KEY (1-7)	2. Use the dial pad to enter the desired Station Group number (620-639 for the iPECS-MG 100 and 620-669 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired attribute; refer to the following table
	4. Use the dial pad to enter the desired Group Attributes data, refer to the following table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.4-1 STATION GROUP ATTRIBUTES (PGM 203)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	620 VM PUT MAIL INDEX (1-9) : 1	For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Put Mail" dial code.	1~9	1
2	620 VM GET MAIL INDEX (1-9) : 2	For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Get Mail" dial code.	1~9	2
3	620 VM BUSY INDEX (1-9) : 3	For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Busy" dial code.	1~9	3
4	620 VM NO ANS INDEX (1-9) : 4	For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "No answer" dial code.	1~9	4
5	620 VM DISCONNECT (1-9) : 1	For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Disconnect" dial code.	1~9	9
6	620 SMDI TYPE 0. TYPE 1(0-1)	This entry defines SMDI Type.	0.Type1 1.Type2	0
7	SMDI CLI INFO (1:ON/0:OFF): OFF	This entry defines SMDI CLI Information. If this is enable, system sends SMDI with CLI.	ON/OFF	OFF

2.3.5.5 Pick Up Group – PGM Code 204

Members are assigned to Station Pick-Up Groups (refer to Table 2.3.5.5-2 for a description of the functions, the LCD displays and data entries required). Station Pick-up Group capacities for the iPECS-MG system are shown in Table 2.3.5.5-1 below.

Table 2.3.5.5-1 STATION PICK-UP GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of Groups	50	100
Member in a Group	50	50

PROCEDURE:	
PICK UP GROUP INDEX ENTER BIN NO(001-100)	1. Press the **[PGM]** button and dial 204.
001 PICK UP GRP. ATTR PRESS FLEX KEY (1-2)	2. Use the dial pad to enter the desired Pickup Group (01~50 for the iPECS-MG 100 and 001~100 for the iPECS-MG 300). The system will display the attribute of pickup group.
Refer to table 2.3.5.5-2 DISPLAY	NOTE: for group members, enter a station or station range. For an individual station press the desired Flex button for the position of the station in the group and dial the station number. For a range, enter the first and last station number in the range
	3. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.5-2 PICKUP GROUP ASSIGNMENT (PGM 204)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	001 PICK UP CONDITION 0.ALL CALL(0-2)	This entry defines pick up condition. (All/Internal/External)	0. ALL CALL 1. INT CALL 2. EXT CALL	0
2	001 PICK UP MEMBER ASG	Assigns stations as members of a Station pickup group.		-

2.3.5.6 Page Group – PGM Code 205

Under Page Group Assignments members are assigned to the Page Group (refer to Table 2.3.5.6-2 for a description of the functions, the LCD displays and data entries required).

The Page Group capacities for the iPECS-MG system are shown in Table 2.3.5.6-1, below.

Table 2.3.5.6-1 PAGE GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of Page Groups	15	30
Member in a Group	50	50

PROCEDURE:	
PAGE GROUP INDEX ENTER BIN NO(01-30)	1. Press the **[PGM]** button and dial 205.
01 PAGE MEMBER ASG	2. Use the dial pad to enter the desired Page Group (01-15 for the iPECS-MG 100 and 01-30 for the iPECS-MG 300). The system will display the member of Page group.
Refer to the following table DISPLAY	NOTE: for group members, enter a station or station range. For an individual station press the desired Flex button for the position of the station in the group and dial the station number. For a range, enter the first and last station number in the range
	3. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.6-2 PAGE GROUP ATTR (PGM 205)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
	01 PAGE MEMBER ASG	Assigns stations as members of a Page group.		-

2.3.5.7 Command Call Group – PGM Code 206

Stations and external contacts can be arranged in groups so that a user may create a conference with all members of the group via a single call. Member assignment is only available using the Web admin (refer to Table 2.3.5.7-2 for a description of the functions, the LCD displays and data entries required).

Table 2.3.5.7-1 COMMAND CALL GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of Groups	10	10
Member in a Group	12	12

PROCEDURE:	
CMD CALL GROUP INDEX **ENTER BIN NO(01-10)**	1. Press the **[PGM]** button and dial 206.
01 CMD CALL GROUP ATTR **PRESS FLEX KEY (1-3)**	2. Use the dial pad to enter the desired Command Call group (01~10 for the iPECS-MG 100 and iPECS-MG 300). The system will display the attribute of Command Call group.
Refer to the following table DISPLAY	NOTE: for group members, only available with web admin
	3. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.7-2 COMMAND CALL GROUP ASSIGNMENT (PGM 206)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**01 ON HOOK SERVICE** **(0-1): ON HOOK ALLOW**	Determines the On Hook Service; if On Hook Allow is set, the system allows ON HOOK service. When Recall is selected, system will RECALL when user Station is on-hook.	0: ON HOOK ALLOW 1: RECALL	0
2	**01 ONE WAY BUSY** **0. BUSY (0-2)**	Determines handling of ONE WAY BUSY calls.	0: BUSY 1: REQEST QUEUING 2: RECOVER CALL	0
3	**01 BOTH WAY BUSY** **0. BUSY (0-2)**	Determines handling of BOTH WAY BUSY calls.	0: BUSY 1: REQEST QUEUING 2: RECOVER CALL	0

2.3.5.8 PTT Group – PGM Code 208

Each Phone can be assigned as a member of one or more Push-To-Talk groups. The PTT Group capacities for the iPECS-MG system are shown in Table 2.3.5.8-1 as below.

Table 2.3.5.8-1 PTT GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of PTT Groups	10	10
Member in a Group	50	50

PROCEDURE:	
PTT GROUP INDEX ENTER BIN NO(0-9)	1. Press the **[PGM]** button and dial 208.
0 PTT MEMBER ASG	2. Use the dial pad to enter the desired Page Group (0-9 for the iPECS-MG 100 and the iPECS-MG 300). The system will display the member of PTT group.
Refer to the following table DISPLAY	NOTE: for group members, enter a station or station range. For an individual station press the desired Flex button for the position of the station in the group and dial the station number. For a range, enter the first and last station number in the range
	3. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.8-2 PTT GROUP ATTR (PGM 208)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	0 PTT MEMBER ASG	This entry assigns stations as members of a PTT group.		-

2.3.5.9 Interphone Group – PGM Code 209

To call the stations using only one or two digits, some stations can be gathered to the same 'Interphone Group' (refer to Table 2.3.5.9-2 for a description of the functions, the LCD displays and data entries required).

The Interphone Group capacities for the iPECS-MG system are shown in Table 2.3.5.9-1, below.

Table 2.3.5.9-1 INTERPHONE GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of Groups	10	10
Member in a Group	10	10

PROCEDURE:	
INTERPHONE GRP. INDEX ENTER BIN NO(01-10)	1. Press the **[PGM]** button and dial 209.
01 DIGIT NUMBER ENTER BIN NO(0-9)	2. Use the dial pad to enter the desired Interphone Group. The system will display the attribute of pickup group.
Refer to the following table DISPLAY	NOTE: for group members, enter a station number for each bin index
	3. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.9-2 INTERPHONE GROUP DIGIT DESTINATION (PGM 209)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	01-DGT(0) DEST.	This entry defines the digit destination of Interphone group.	Station Number	-

2.3.5.10 Pilot Hunt Group – PGM Code 210

Under Pilot Hunt Group Assignments, members are assigned to the Pilot Hunt Group. Refer to Table 2.3.5.10-2 for a description of the functions, the LCD displays and data entries required.

The Pilot Hunt Group capacities for the iPECS-MG system are shown in Table 2.3.5.10-1 as below.

Table 2.3.5.10-1 PILOT HUNT GROUP CAPACITY

ITEM	CAPACITY	
	iPECS-MG 100	iPECS-MG 300
Number of Groups	20	50
Member in a Group	20	20

PROCEDURE:	
PILOT HUNT GRP. INDEX ENTER BIN NO(01-50)	1. Press the **[PGM]** button and dial 210.
01 PILOT GRP. ATTR PRESS FLEX KEY (1-4)	2. Use the dial pad to enter the desired Pickup Group (01~20 for the iPECS-MG 100 and 01~50 for the iPECS-MG 300). The system will display the attribute of Pilot Hunt group.
Refer to the following table DISPLAY	NOTE: for group members, enter a station or station range. For an individual station press the desired Flex button for the position of the station in the group and dial the station number. For a range, enter the first and last station number in the range
	3. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.10-2 PILOT HUNT GROUP ATTR IBUTES (PGM 210)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	01 CONDITION 0.ALL (0-2)	Determines call coverage condition for Pilot Hunt group.	0. ALL 1. Intercom 2. External	0
2	01 SERVICE TYPE 1.CIRCULAR (0-1)	This entry defines Service Type. (Terminal/Circular)	0. Terminal 1. Circular	1
3	01 TIME TABLE IDX (1-9) : 1	Time Table index	1-9	1
4	01 MEMBER ASG	Assigns stations as members of a Pilot Hunt group.		

2.3.5.11 Pilot Hunt Group Forward Attribute – PGM Code 211

Each Pilot Hunt group has available attributes relating to forward; Table 2.3.5.11-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
PILOT HUNT GRP. INDEX **ENTER BIN NO(01-50)**	1. Press the **[PGM]** button and dial 211.
01 PILOT GRP. FWD ATTR **PRESS FLEX KEY (1-6)**	2. Use the dial pad to enter the desired Pickup Group (01~20 for the iPECS-MG 100 and 01~50 for the iPECS-MG 300). The system will display the attribute of Pilot Hunt group.
Refer to the following table **DISPLAY**	3. Press the desired Flex button.
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.5.11-1 PILOT HUNT GROUP FWD ATTR (PGM 211)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**01 DAY FORWARD TYPE** **0.NOT USED (0-4)**	Determines Day time setting for Call Forward type.	0. NOT USED 1.UNCOND 2. BUSY 3. NO ANS 4. BUSY/ NO ANS	0
2	**01 DAY FWD DESTINATION** **.....**	Determines the Day-time setting for Forward destination.	Max. 8 digits	
3	**01 NIGHT FORWARD TYPE** **0.NOT USED (0-4)**	Determines the Night time setting for Call Forward type.	0. NOT USED 1.UNCOND 2. BUSY 3. NO ANS 4. BUSY/ NO ANS	0
4	**01 NIGHT FWD** **DESTINATION** **.....**	Determines the Night time setting for Forward destination.	Max. 8 digits	
5	**01 TIMED FORWARD TYPE** **0.NOT USED (0-4)**	Determines the Timed setting for Call Forward type of Timed.	0. NOT USED 1.UNCOND 2. BUSY 3. NO ANS 4. BUSY/ NO ANS	0
6	**01 TIMED FWD** **DESTINATION** **.....**	Determines the Timed setting for Forward Destination.	Max. 8 digits	

2.3.6 SYSTEM DATA – PGM CODES 220-240

2.3.6.1 System Timers I to III – PGM Codes 220-222

A number of timers can be assigned to control and affect many features and functions of the System (refer to Tables for a description of the timers and the input required).

PROCEDURE:	
SYSTEM TIMER 1 **PRESS FLEX KEY (01-12)**	1. Press the **[PGM]** button and dial: - 220 for System Timers I - 221 for System Timers II - 222 for System Timers III.
Refer to the following tables **DISPLAY**	2. Press the Flex button for the desired Timer; refer to Tables 2.3.6.1-1 to 3.
	3. Use the dial-pad to enter the desired Timer data.
	4. Press the **[SAVE]** button to store the Timer data entry.

Table 2.3.6.1-1 SYSTEM TIMERS I (PGM 220)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CO-CO TRANS TMR (000-300) : 030(sec)	Determines the answer waiting time when CO line is transferred to another CO line. If not answered in this time, transferred CO call is disconnected.	000~300 (seconds)	030
2	HOT-DESK LOGOUT TMR (00-24) : 00(hour)	Determines the amount of time the attendant receives recall after which the system will disconnect the call.	00~24 (hours)	00
3	ACNR PAUSE TMR (005-300) : 030(sec)	This timer establishes the time between ACNR attempts.	005~300 (seconds)	030
4	PAGE TIME OUT TMR (000-300) : 015(sec)	Determines the maximum duration of a page after which the caller and Page Zone are released.	000~300 (seconds)	15
5	PAUSE TMR (1-9) : 3(sec)	A Timed pause of this duration is used in Speed Dial and during other automatically dialed digits sent to the PSTN.	1~9 (seconds)	3
6	VM PAUSE TMR (1-9) : 3(sec)	When the system sends a “Pause” to Voice Mail using In-band signals, the Pause interval is defined by this timer.	1~9 (seconds)	3
7	VMIB-MSG MIN TMR (1-9) : 4(sec)	This timer sets the minimum duration allowed for a voice mail message in the system’s VMIB. Messages shorter than this period are not stored.	1~9 (seconds)	4
8	VMIB-MSG MAX TMR (001-999) : 060(sec)	This timer sets the maximum duration allowed for the User Greeting in the system’s VMIB.	000~999 (seconds)	60
9	CALL-WAIT WARN TMR (010-180) : 030	Determine the call-wait indication tone repeat time.	010~1800 (seconds)	030
10	CAMP-ON WARN TMR (010-180) : 030	Determine the camp-on indication tone repeat time.	010~1800 (seconds)	030
11	CCR INTER-DGT TMR (01-30) : 03(sec)	Inter-digit timer used with Customer Call Routing function.	01~30 (seconds)	03
12	WEB PSWD GUARD TMR (001-999) : 005(min)	If no data packets are received during a Web Admin connection for the Guard time, a password check will be initiated by the system.	001~999 (minutes)	5

Table 2.3.6.1-2 SYSTEM TIMERS II (PGM 221)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SLT HOOK BOUNCE TMR (01-25) : 01(100ms)	Determines the amount of time the System considers an actual state change in the hook-switch and not a momentary contact bounce.	01~25 (100 msec.)	01
2	SLT MAX H_FLASH TMR (01–25) : 05(100ms)	Sets the maximum time an SLT user can depress the hook-switch for a Flash signal.	01~25 (100 msec.)	05
3	SLT MIN H_FLASH TMR (000–250) : 020(10ms)	Sets the minimum time an SLT user must depress the hook-switch for a Flash signal.	000~250 (10 msec.)	020
4	LCO RING ON TMR (1-9) : 2(100ms)	Sets the 'ON' time of the incoming ring cycle for System Ring Detect to recognize the incoming call.	1~9 (100 msec.)	2
5	LCO RING OFF TMR (010-150) : 060(100ms)	Sets the maximum 'OFF' duration of the incoming ring cycle to determine when a call has been abandoned.	010~150 (100 msec)	060
6	LCO RLS GUARD TMR (001-150) : 010(100ms)	When an analog CO Line is returned to idle, the system will deny access for this time to assure the PSTN returns the CO circuitry to idle.	001~150 (100 msec)	010

Table 2.3.6.1-3 SYSTEM TIMERS II (PGM 222)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DOOR OPEN TMR (05-99) : 20(100ms)	Sets the minimum contact closure time required to activate the contact assigned as a door open contact.	05~99 (100 msec.)	20
2	MSG WAIT ALERT TONE TMR (00-60) : 00(min)	A phone user will receive periodic reminder tones of a message waiting at intervals based on this timer.	00~60 (minutes)	00
3	INTER DIGIT TMR (000-300) : 015(sec)	Sets the maximum allowed time between user dialed digits; at expiration, the user will receive an error-tone.	000~300 (seconds)	015
4	INC CO INTER DIGIT TMR (01-60): 15(sec)	Sets the maximum allowed time between dialed digits from the Incoming CO.	01-60 (seconds)	15

2.3.6.2 System Attributes – PGM Code 223

System Attributes programs define settings that affect System-wide features and functions. Generally, these entries will turn the feature ON (enable) or OFF (disable). Refer to Table 2.3.6.2-1 for a description of the Attributes, LCD displays and the data entries required.

PROCEDURE:	
SYSTEM ATTRIBUTES PRESS FLEX KEY (1-11)	1. Press the **[PGM]** button and dial 223 - 223 for System Attributes I
See the following table DISPLAY	2. Press the Flex button for the desired Attribute, refer to the following Table.
	3. Use the dial-pad to enter desired data for the Attribute.
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.6.2-1 SYSTEM ATTRIBUTES (PGM 223)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	WEB ADM PSWD ENCRYPTION (1:ON/0:OFF) : OFF	The Web Admin password can be encrypted for security using RC-6 block encryption A Java VM must be installed on the user's PC.	0: OFF 1: ON	OFF
2	PULSE DIAL BREAK RATIO (0-2): 66/33	The break/make ratio for pulse dialing through analog CO line.	0: 60/40 1:66/33 2:50/50	1:66/33
3	VM SMDI ENABLE (1:ON/0:OFF) : OFF	If it is set to "ON, system interfaces SMDI protocol with external Voice Mail, If 'OFF', system interfaces In-band message with external Voice Mail.	0: OFF 1: ON	OFF
4	VMIB SMTP PORT (0000-9999) : 0025	SMTP Port for VMIB message e-mail sending.	0000~9999	0025
5	NETWORK DATE/TIME USE (1:ON/0:OFF) : OFF	If set to ON, the System updates the Date & Time with Network Date & Time when the System Date & Time is different.	0: OFF 1: ON	OFF
6	CLI PRINT (1:ON/0:OFF) : OFF	If set to ON, CLI information is printed.	0: OFF 1: ON	OFF
7	TLS for WEB (1:ON/0:OFF) : OFF	Enables Transport Layer Security (TLS for Web access.	0: OFF 1: ON	OFF
8	WEB SERVER PORT (00001-65535): 00080	Web Server port number	1-65535	80
9	DB AUTO DOWNLOAD(WEEK) (1-7): OFF	Determines when system database downloads to USB automatically,	OFF 1-7	OFF
10	DB DOWNLOAD(TIME) (00-23):00H	Sets the time for system database download to USB automatically.	00-23	00
11	UC SERVER IP ADDR 0.0.0.0	UC Server IP Address		
12	CTI SERVER IP ADDR 0.0.0.0	CTI Server IP Address		

2.3.6.3 System Password – PGM Code 226

Access to the system database and maintenance functions can be protected by passwords up to twelve (12) digits. Three passwords can be defined: User, Admin., and Maintenance. The Maintenance password has full and unlimited access to the database and maintenance functions of the system, while the User and Admin password have access to database items defined in the Web Admin.

NOTE

- ***There are no default passwords, all passwords must be programmed.***

PROCEDURE:	
SYSTEM PASSWORD **PRESS FLEX KEY (1-3)**	1. Press the **[PGM]** button and dial 226.
See the following table **DISPLAY**	2. Press the Flex button for the desired password: - Flex 1: User password. - Flex 2: Admin password. - Flex 3: Maintenance password.

	3. Enter the desired password, up to 12 digits. To erase a password press the **[SPEED]** button.
	4. Press the **[SAVE]** button to store the password entry.

Table 2.3.6.3-1 System Passwords

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	USER PASSWORD ……	Includes configurable database access in Web Admin. And cannot access Keyset Administration functions.	12 digits	none
2	ADMIN PASSWORD ……	Includes configurable database access in Web Admin. And can access Keyset Admin.	12 digits	none
3	MAINT PASSWORD ……	Includes full and unlimited access to database and maintenance functions.	12 digits	none

2.3.6.4 Alarm Attributes – PGM Code 227

The System can monitor an external contact, most often employed as an Alarm indicator or Doorbell. The Alarm attributes define the operation of the external contact. An Alarm Signal sent to assigned stations can be repeating or a single burst, the former is often desired. For the Doorbell, a single tone is sent each time the contact is activated (refer to Table 2.3.6.4-1 for a description of the features, the data entries required and LCD displays for each attribute).

PROCEDURE:	
SYSTEM ALARM ATT PRESS FLEX KEY (1-4)	1. Press the **[PGM]** button and dial 227.
Refer to the following table DISPLAY	2. Press the desired Flex button, refer to the following Table.
	3. Use the dial-pad to enter desired data for the attribute.
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.6.4-1 ALARM ATTRIBUTES (PGM 227)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	ALARM ENABLE (1:ON/0:OFF) : OFF	Enables the external contact monitoring circuitry.	0: OFF 1: ON	OFF
2	ALARM CONTACT (1:CLOSE/0:OPEN) : OPEN	Establishes the contact state that will activate the Alarm, close or open.	0: Open 1: Close	Open
3	ALARM MODE (1:ALARM/0:BELL): ALARM	The contact can be designated to function as a doorbell instead of an alarm.	0: Bell 1: Alarm	Alarm
4	ALARM SIGNAL MODE (1:RPT/0:ONCE) : RPT	The assigned stations will receive a Repeating signal or single burst (ONCE) of the alarm tone.	0: Once 1: Repeat	Repeat

2.3.6.5 External Control Contacts – PGM Code 228–

The MPB includes 1 contact, which can be used to control external devices. The contact is assigned to activate under one of several conditions: As a Loud Bell Contact (LBC), the contact will activate when the assigned station receives an external call.

NOTE

- ***When using LBC and the System is in the Night or Timed Ring mode, the contact will activate for incoming UNA calls and will ignore any station assignment.***

The contact may alternatively be activated as a Door Lock Release contact, when the External Page Zone is accessed.

PROCEDURE:	
EXT CTRL CONTACT (0-3) **….**	1. Press the **[PGM]** button and dial 228.
EXT CTRL CONTACT **LBC (150)**	2. Use the dial-pad to enter desired data. - 0: Not Used - 1: LBC + station number, (ex. 150) - 2: Door Lock Release - 3: External Page access
	3. Press the **[SAVE]** button to store the External Contact data entry.

2.3.6.6 Music Sources – PGM Code 229

Music inputs are provided for use as the Background Music and/or Music-On-Hold source inputs. iPECS-MG MPB provide for one (1) music input. In addition, a VMIB announcement may be recorded and played as MOH. In addition, SLT port on SLIB is used as MOH.

PROCEDURE:	
MUSIC ASSIGN **PRESS FLEX_KEY (1-11)**	1. Press the **[PGM]** button and dial 229.
Refer to the following table **DISPLAY**	2. Select the desired Flex button, refer to the following Table.
	3. Use the dial-pad to select the desired Music Source.
	4. To save the Music Source, press the **[SAVE]** button.

Table 2.3.6.6-1 MUSIC SOURCES FOR MOH & BGM (PGM 229)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	ICM BOX MUSIC CH (00-11) NO BGM (00)	Assigns the music source for ICM BOX.	00: NO BGM 01: Internal Music , 02: External Music 03: VMIB BGM 1 04: VMIB BGM 2 05: VMIB BGM 3 06: VMIB BGM 4 07: SLT MOH 1 08: SLT MOH 2 09: SLT MOH 3 10: SLT MOH 4 11: SLT MOH 5	1
2	INT MOH TYPE (00-12) ROMANCE (00)	Assigns the music for internal MOH.	00: Romance 01: Turkish March 02: Green Sleeves 03: Fur Elise 04: Carmem 05: Waltz 06: Pavane 07: Sichiliano 08: Sonata 09: Spring 10: Campanella 11:Badinerie 12:Blue Dance	
3~6 for MPB300 (3-5 for MPB100)	VMIB MOH X (00-70) SLOT YY : ..	Assigns the VMIB Prompt index of VMIB Slot YY for VMIB MOH X.	01-70	
7~11 for MPB300 (6-10 for MPB100)	SLT MOH X ….	Assigns the SLT port for SLT MOH.		

2.3.6.7 RS-232 Port Settings – PGM Code 230

The system has one RS 232 serial port located on the MPB. Certain characteristics of the port are programmable: Baud rate, RS 232 control, and Page settings (refer to Table for a description of the settings, the data entries required and LCD displays).

PROCEDURE:	
RS232 PORT SETTING PRESS FLEX_KEY (1-4)	1. Press the **[PGM]** button and dial 230.
Refer to the following table DISPLAY	2. Select the desired Flex button, refer to the following Table.
	3. Use the dial-pad to enter the desired Port data.
	4. Press the **[SAVE]** button to store the Port Data entry.

Table 2.3.6.7-1 RS 232 PORT SETTINGS (PGM 230)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	BAUD RATE (1-5) 5. 115200	Establishes the BAUD rate for the RS-232 serial port.	1: 9600 2: 19200 3: 38400 4: 57600 5: 115200	115200
2	PAGE BREAK (1:ON/0:OFF):OFF	The system can send a page break command over the serial port at the end of each page.	0: OFF 1: ON	OFF
3	LINE PER PAGE (001-199) : 066	Determines Page length, the number of lines the system will send before sending a Page break.	001~199	66
4	XON/XOFF (1:XON /0:XOFF):XOFF	Enables XON/XOFF protocol.	0: XOFF 1: XON	XOFF

2.3.6.8 Serial Port Function Selections – PGM Code 231

The System has one RS 232 serial port located on the MPB. Also, the System can employ IP over 5 TCP channels for the output of various system information.

Each output function is assigned a Serial port or TCP channel that is used to output the information. In addition, a TCP port must be assigned when a function is defined to use a TCP channel.

NOTE

- ***Each function can be defined to use only one output (refer to Table for a description of the selections, the data entries required and LCD displays).***

PROCEDURE:	
PRINT PORT SELECTION **PRESS FLEX_KEY (1-7)**	1. Press the **[PGM]** button and dial 231.
Refer to the following table **DISPLAY**	2. Select the desired Flex button, refer to the following Table.
	3. Use the dial-pad to enter the desired Port data: - 0: COM(Serial port on MPB) - 1: TCP channel 1 - 2: TCP channel 2 - 3: TCP channel 3 - 4: TCP channel 4 - 5: TCP channel 5
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.6.8-1 FUNCTION OUTPUT PORT (PGM 231)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	ON-LINE SMDR (0-5) COM (0)	Defines the serial port or TCP channel used for the On-line SMDR.	0 ~ 5	COM

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	OFF LINE SMDR (0-5) COM (0)	Defines the serial port or TCP channel used for Off-line SMDR.	0 ~ 5	COM
3	SMDI (0-5) COM (0)	Defines the serial port or TCP channel used for the SMDI output.	0 ~ 5	COM 1
4	CALL INFO (0-5) COM (0)	Defines the serial port or TCP channel used to receive Call Information output.	0 ~ 5	COM
5	TRAFFIC (0-5) COM (0)	Defines the serial port or TCP channel used for the TRAFFIC report output.	0 ~ 5	COM
6	TRACE (0-5) COM (0)	Defines the serial port or TCP channel used for the Trace output.	0 ~ 5	COM
7	ADMIN (0-5) COM (0)	Defines the serial port or TCP channel used for the ADMIN Report output.	0 ~ 5	COM

2.3.6.9 SMDR Attributes – PGM Code 232

Station Message Detail Recording (SMDR) is an ASCII output of details on both incoming and outgoing calls. Various SMDR attributes can be assigned including: output records for all calls or Long Distance (LD) only, call cost per pulse when using call metering, etc. (refer to Table for a description of each Attribute, LCD displays and the data entries required).

PROCEDURE:	
SMDR ATTRIBUTES PRESS FLEX KEY (01-18)	1. Press the **[PGM]** button and dial 232.
Refer to the following table DISPLAY	2. Select the desired Flex button, refer to the following Table.
	3. Use the dial-pad to enter the desired data.
	4. To save SMDR Attribute data, press the **[SAVE]** button.

Table 2.3.6.9-1 SMDR ATTRIBUTES (PGM 232)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SMDR SAVE (1:ON/0:OFF) : OFF	The System can store all outgoing calls.	0: OFF 1: ON	OFF
2	SMDR PRINT (1 : ON/ 0: OFF) : ON	If set to ON, SMDR output is automatic at call completion; the System can output SMDR records automatically as they occur (real-time) or only when requested.	0: OFF 1: ON	OFF
3	RECORD TYPE (1 : LD/ 0: ALL) : LD	If set to on, LD calls are identified by the LD Digit counter; the system can record all outgoing calls or only long distance calls.	1: LD 0: ALL CALL	ALL CALL

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
4	LONG DIST CALL DGT CNT (07-15) : 07	Dialed numbers, which exceed the assigned LD Digit count, are considered long distance calls for SMDR.	07-15	07
5	PRINT INCOMING CALL (1 : ON/ 0: OFF) : OFF	If set to ON, incoming calls are recorded as well as outgoing calls; the System can output records for incoming calls as well as outgoing calls.	0: OFF 1: ON	OFF
6	PRINT LOST CALL (1 : ON/ 0: OFF) : ON	The System can provide lost call records, records for unanswered incoming (abandoned) calls.	0: OFF 1: ON	OFF
7	CURRENCY UNIT …	The unit of currency used for call cost can be identified with 3 alpha characters for easy reference.	Max 3 characters	-
8	COST PER PULSE(6DGT) 000000	When metering is provided by the PSTN, the cost per metering pulse can be assigned.	6 digits	000000
9	SMDR FRACTION (0-5) : 0	Determines the position of the decimal in the Cost per Pulse, starting from the right-most digit.	0~5	0
10	TRANSFER CHARGE MODE (0-2):INDIVIDUAL	1. INDIVIDUAL: When a call is transferred to another station, the transferred call is charged to two stations respectively. 2. INTEGRATE XFERING: When a call is transferred to another station, the call is charged to the transferring station. 3. INTEGRATE XFERED: When a call is transferred to another station, the call is charged to the transferred station.	0:INDIVIDUAL 1:INTEGRATE XFERING 2:INTEGRATE XFERED	0:INDIVIDUAL
11	ATD TRANSFER CHARGE (0-2):NORMAL CHARGING	1. NORMAL CHARGING: When Attendant make outgoing call and transfer this call to another station, the transferred will follow the Transfer Charge Mode. 2. ATD CHARGING: When Attendant makes outgoing call and transfers this call to another station, the call is charged to the Attendant. 3. XFERED CHARGING: When Attendant makes outgoing call and transfers this call to another station, the call is charged to the transferred station.	0:NORMAL CHARGING 1:ATD CHARGING 2:XFERED CHARGING	0: NORMAL CHARGING
12	HIDDEN DIALED DGT (0-9) : 0	Determines the number of dialed digits to hide for security purposes, and replaced with "*". Button 13 below defines whether leading or trailing digits are hidden. In addition, the station must be assigned for SMDR HIDE, **PGM CODE** 131 button 7.	0~9	0
13	HIDDEN DGT POSITION (1:RIGHT/0:LEFT): RIGHT	When "HIDDEN DIALED DIGIT" is enabled, button 12 above, this field determines if leading or trailing digits are hidden.	0: Left 1: Right	Right
14	ICM SMDR SAVE (1:ON/0:OFF) : OFF	When enabled, intercom call data is stored as part of the SMDR data.	0:OFF 1:ON	OFF
15	ICM SMDR PRINT (1:ON/0:OFF) : OFF	When enabled, intercom call data is printed as part of the On-line SMDR.	0:OFF 1:ON	OFF
16	SMDR INTERFACE SVC (1:ON/0:OFF) : OFF	When enabled, the system stores SMDR data to send to applications including NMS upon request.	0:OFF 1:ON	OFF
17	I-SDMR CONN TYPE (1:LAN/0:SIO) : SIO	This assigns port to be used for SMDR Interface. SMDR Interface is served through LAN or SIO	0:SIO 1:LAN	SIO
18	I-SMDR AUTH INDEX (1:ON/0:OFF)	Reserved	0:OFF 1:ON	OFF

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
Web only	SMTP MAIL SERVER IP xxx.xxx.xxx.xxx	SMTP Mail Server IP Address		
	SMDR USER MAIL ADDR ……..	SMDR User Mail Address.	Max 64 Characters	
	SMDR SYSTEM DOMAIN NAME ……..	SMDR System Domain Name	Max 64 Characters	
	SMDR Mail Send Weekly Set	Select SMDR Mail Send Day	N/A (Monday ~ Sunday	N/A
	SMDR MAIL SEND DAILY SET 00(00-23)	Sets time-of-day for SMDR data to be sent on a daily basis (00 for no daily records, 01-23 for hour of the day).	00-23	00
	SMDR MAIL AUTO SEND MODE (1 : ON/ 0: OFF) : OFF	If the SMDR buffer is full, the system can automatically send a notification by e-mail.	0: OFF 1: ON	OFF
	SMDR MAIL AUTO DELETE MODE (1 : ON/ 0: OFF) : OFF	Deletes SMDR records after sending e-mail.	0: OFF 1: ON	OFF

2.3.6.10 System Date, Time – PGM Code 233

The system Date, Time is established by this entry. The date and time are employed for several features and functions including; LCR, LCD displays, SMDR outputs, Auto Ring Mode Selection, Wake-Up Alarm, etc.

PROCEDURE:	
SET SYSTEM TIME/DATE PRESS FLEX_KEY (1 – 5)	1. Press the **[PGM]** button and dial 233.
See the following table DISPLAY	2. Press the Flex button for the desired Attribute, refer to the following Table. - Flex 1: Time - Flex 2: Date
	3. Use the dial-pad to enter desired data for the Attribute
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.6.10-1 SYSTEM TIME, DATE (PGM 233)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SET SYSTEM TIME/DATE TIME 00:22(HH:MM)	Sets the system time.	HH:MM	
2	SET SYSTEM TIME/DATE DATE : 01/13/08(MMDDYY)	Sets the system date.	MMDDYY	
3	DST ENABLE MODE (1:ON/0:OFF) : OFF	Enables DST feature for System Time.	0 : OFF 1: ON	OFF

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
Web only	DST START TIME ONLY POSSIBLE BY WEBADM	The DST start time.	See DST Table	2nd Sunday of March at 2:00 AM
Web only	DST END TIME ONLY POSSIBLE BY WEBADM	The DST end time.	See DST Table	1st Sunday in Nov., at 2:00 AM

2.3.6.11 Button LED Flash Rate – PGM Code 234

The LED Color and Flash Rate for various functions and states can be assigned any one of 15 System signals. The various functions and states are shown in the Tables (refer to **[COLOR]** and **[FLASH RATE]** Tables).

PROCEDURE:	
LED COLOR/FLASH RATE **ENTER LED RANGE (01-48)**	1. Press the **[PGM]** button and dial 234.
Table 2.3.┐.└-┘ **[CALLBK]** **INTERCOM** **F1:RED F2:30 IPM**	2. Enter the Function range to change the LED Color or Flash rate (refer to Tables).
Refer to the following table **DISPLAY**	3. Press the Flex button 1 and dial (1-3) for LED color OR 4. Press the Flex button 2 and dial (00~14) for LED flash rate.
	5. Press the **[SAVE]** button to store.

Table 2.3.6.11-1 BUTTON LED FLASH RATE (PGM 234)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	[CALL BK] INTERCOM	[CALL BACK] button LED status intercom call back is active.	Color (1-3) Flashing Rate (00-14)	Flash: 30 IPM Color: RED
2	[CALL BK] CO LINE	[CALL BACK] button LED status CO queuing is in use.		Flash: 120 IPM Color: RED
3	[CALL BK] MSG WAIT	[CALL BACK] button LED status when a message is left.		Flash: 120 IPM Color: RED
4	[MUTE] TRANSMISSION	[MUTE] button LED status when voice is muted.		Flash: Steady Color: RED
5	[MUTE] COS CHANGE	[MUTE] button LED status when COS is downed.		Flash: 120 IPM Color: RED
6	[DND] DND	[DND] button LED status in DND.		Flash: Steady Color: RED
7	[DND] ONE-TIME	[DND] button LED status in one time DND.		Flash: 60 IPM Color: RED
8	[DND] PRESELECT MSG	[DND] button LED status when Station assigns a preselected message.		Flash: 15 IPM Color: RED
9	[CALL BK] ACNR	[CALL BACK] button LED status when ACNR is in use.		Flash: 480 IPM Color: RED

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
10	[SPK] SPEAKER	[SPEAKER] button LED status when on a conversation using the speakerphone.		Flash: Steady Color: RED
11	[SPK] HEADSET	[SPEAKER] button LED status when on a conversation using the headset.		Flash: Steady Color: RED
12	[SPK] INCOMING CALL	[SPEAKER] button LED status when receiving an intercom call.		Flash: 60 IPM Color: RED
13	[HOLD] PAGING	[HOLD] button LED status while Paging.		Flash: 60 IPM Color: RED
14	[HOLD] VOICE OVER	[HOLD] button LED status when in Voice-over mode.		Flash: 60 IPM Color: AMBER
15	[HOLD] RESERVED	[HOLD] Reserved		Flash: 60 IPM Color: AMBER
16	[RING] ICM RING	[RING] LED status when receiving an intercom call.		Flash: 60 IPM Color: RED
17	[RING] CO RING	[RING] LED status when receiving an incoming CO call.		Flash: 60 IPM Color: RED
18	[RING] MSW WAIT	[RING] LED status when a message is left.		Flash: 60 IPM Color: RED
19	[HEADSET] HEADSET	[HEADSET] LED status when the headset is used (LIP-8000 Phone).		Flash: Steady Color: RED
20	[HEADSET] BLUETOOTH	HEADSET] LED status when Bluetooth™ is used (LIP-8000 Phone).		Flash: 60 IPM Color: RED
21	[DN] I USE	[DN] button LED status when I use is active.		Flash: Steady Color: GREEN
22	[DN] OTHER USE	[DN] button LED status when another station is in use.		Flash: Steady Color: RED
23	[DN] DND	[DN] button LED when status in DND.		Flash: Steady Color: RED
24	[DN] INCOMING CALL	[DN] button LED status when receiving an intercom call.		Flash: 60 IPM Color: GREEN
25	[DN] HOLD	[DN] button LED status when call is in Held state.		Flash: 60 IPM Color: AMBER
26	[DN] CALL FORWARD	[DN] button LED status when Call forward is set.		Flash: 120 IPM Color: RED
27	[DN] I CONFERENCE	[DN] button LED status when I am in conference.		Flash: Steady Color: GREEN
28	[DN] OTHER CONFERENCE	[DN] button LED status when another station is in conference mode.		Flash: Steady Color: RED
29	[DN] CONF SUPERVISOR	[DN] button LED status when active conference supervisor.		Flash: 60 IPM Color: AMBER
30	[DSS] INCOMING CALL	[DSS] button LED status when receiving an intercom call.		Flash: 60 IPM Color: RED
31	[DSS] ICM TALK	[DSS] button LED status in conversation.		Flash: Steady Color: RED
32	[DSS] DND	[DSS] button LED status in DND.		Flash: OFF Color: RED
33	[DSS] CALL FORWARD	[DSS] button LED status when call forward is set.		Flash: OFF Color: RED
34	[DSS] HANDSET-LIFT	[DSS] button LED status when handset is lifted.		Flash: OFF Color: RED
35	[DSS] PRESELECTED MSG	[DSS] button LED status when a preselected message is assigned.		Flash: OFF Color: RED

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
36	[DSS] HOLD	[DSS] button LED status when call is in Held state.		Flash: Steady Color: RED
37	[CO] CALL SETUP	[CO] button LED status in call setup.		Flash: 60 IPM Color: RED
38	[CO] CO TALK	[CO button LED status in conversation.		Flash: Steady Color: RED
39	[DN] VM MSG WAIT	[DN] button LED status in VM Message Wait		Flash: 120 IPM Color: AMBER
40	[DSS] VM MSG WAIT	[DSS] button LED status in VM Message Wait		Flash: 120 IPM Color: RED
41	[CO] CMD GRP RING	[CO] button LED status in Command Group Call ring state		Flash: 60 IPM Color: RED
42	[CO] CMD GRP TALK	[CO] button LED status in Command Group Call Talk state.		Flash: Steady Color: RED
43	[CO] I TALK	[CO] button LED status in Talk state		Flash: Steady Color: GREEN
44	[CO] HOLD	[CO] button LED status in Hold State		Flash: 60 IPM Color: RED
45	[CO] TRANSFER	[CO] button LED status in CO transfer state		Flash: 120 IPM Color: RED
46	[CO] RECALL	[CO] button LED status in CO Recall state.		Flash: 480 IPM Color: RED
47-48	Reserved			

Table 2.3.6.11-2 COLOR TABLE (PGM 234)

COLOR	DESCRIPTION
1	RED
2	GREEN
3	AMBER

NOTE: If Green/Amber color is not supported by digital phone, Red Color is applied.

Table 2.3.6.11-3 FLASH RATE TABLE (PGM 234)

FLASH RATE	DESCRIPTION
00	Flash OFF
01	Steady On
02	30 ipm flash (30% On)
03	60 ipm flash (30% On)
04	60 ipm double wink (30% On-Off-On-Off 70% On)
05	240 ipm flash (30% On)
06	240 ipm flutter (30% On-Off-On-Off-On & 70% Off)
07	480 ipm flash (30% On)
08	480 ipm flutter (30% On-Off-On-Off-On & 70% Off)
09	15 ipm flash (30% On)
10	120 ipm flash (30% On)
11	120 ipm flutter (30% On-Off-On-Off-On & 70% Off)
12	30 ipm double flash (30% On-Off-On & 70% Off)
13	480 ipm double wink (30% On-Off-On-Off 70% On)
14	480 ipm double flash (30% On-Off-On & 70% Off)

2.3.6.12 ISDN PPP Web Admin Attributes –PGM Code 235

In addition to remote access via an IP network connection, the system database may be accessed remotely via an ISDN connection. Placing a call over an ISDN Line to the designated PPP Station will provide a connection to the system database. The system will request a user id and password, which must match one of the User Ids and passwords assigned. After matching id and password are entered, the iPECS-MG Home page is provided and Web Admin is available.

PROCEDURE:	
PPP ATTRIBUTES **PRESS FLEX KEY (1-6)**	1. Press the **[PGM]** button and dial 235.
Refer to the following table **DISPLAY**	2. Press the desired Flex button, refer to the following Table.
	3. Used the dial pad to enter desired data.
	4. Press the **[SAVE]** button to store the data entry

Table 2.3.6.12-1 PPP ATTRIBUTES (PGM 235)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**PPP USAGE** **(1:ON/0:OFF) : OFF**	Determines if PPP is enabled or disabled.	0: OFF 1: ON	OFF
2	**PPP DESTINATION NUMBER** **….**	If the incoming capability is 64 Kbps unrestricted digital and the called party number matches the PPP destination number, the system will automatically answer the call and request PPP ID and password.	Station number	None
3	**PPP USER ID 1** **…….**	System accepts this PPP ID 1	Max 12. Character	None
4	**PPP PASSWORD 1** **……..**	The password entered is used to authorize PPP ID 1.	Max 12. Character	None
5	**PPP USER ID 2** **…….**	System accepts this PPP ID 2	Max 12. Character	None
6	**PPP PASSWORD 2** **……..**	The password entered is used to authorize PPP ID 2.	Max 12. Character	None

2.3.6.13 MOBILE Attributes –PGM Code 236

The flash digit and input timer for call transferring from mobile extension can be assigned.

PROCEDURE:	
MOBILE ATTRIBUTE **PRESS FLEX KEY (1-2)**	1. Press the **[PGM]** button and dial 236.

Refer to the following table DISPLAY	2. Press the desired Flex button, refer to the following Table.
	3. Used the dial pad to enter desired data.
	4. Press the **[SAVE]** button to store the data entry

Table 2.3.6.13-1 MOBILE ATTRIBUTES (PGM 236)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	FLASH DIGIT *	The flash digit from mobile extension	Max 2 digits	*
1	INPUT TIMER(sec) (01-20) : 05	The inter-digit timer of the mobile flash digit (2 sec.).	01-20 (seconds)	05

2.3.6.14 One Digit Service Attributes –PGM Code 237

When performing a call transfer from a mobile extension, the flash digit and input timer can be assigned.

PROCEDURE:	
ONE-DIGIT SERVICE PRESS FLEX KEY (01-13)	1. Press the **[PGM]** button and dial 237.
Refer to the following table DISPLAY	2. Press the desired Flex button, refer to the following Table.
	3. Used the dial pad to enter desired data.
	4. Press the **[SAVE]** button to store the data entry

Table 2.3.6.14-1 ONE-DIGIT SERVICE ATTRIBUTES (PGM 237)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	STEP CALL (1:EN/0:DIS) : DISABLE	Determines if step call is enabled or disabled.	0: Disable 1: Enable	Disable
2	Digit '1' (0-6) 0. NOT ASSIGNED	When accessing a busy tone, User may dial for one of the one-touch services.	0: N/A 1:Call-Back 2:Camp On 3:Call Wait 4:Voice Over 5:Intrusion 6: Hunt	N/A
3	Digit '2' (0-6) 0. NOT ASSIGNED			N/A
4	Digit '3' (0-6) 0. NOT ASSIGNED			N/A
5	Digit '4' (0-6) 0. NOT ASSIGNED			N/A
6	Digit '5' (0-6) 0. NOT ASSIGNED			N/A

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
7	Digit '6' (0-6) 0. NOT ASSIGNED			N/A
8	Digit '7' (0-6) 0. NOT ASSIGNED			N/A
9	Digit '8' (0-6) 0. NOT ASSIGNED			N/A
10	Digit '9' (0-6) 0. NOT ASSIGNED			N/A
11	Digit '0' (0-6) 0. NOT ASSIGNED			N/A
12	Digit '*' (0-6) 3. CALL-WAIT			Call Wait
13	Digit '#' (0-6) 4. VOICE-OVER			Voice-Over

2.3.6.15 Dummy Dial Tone Digit–PGM Code 240

When digit conversion is programmed, the CO line is seized after digit conversion is completed. When programmed, in the event a user can not obtain the CO dial tone from PX, a dummy dial tone can be provided.

PROCEDURE:	
DUMMY DIAL-TONE DGT ENTER BIN NO(01-20)	1. Press the **[PGM]** button and dial 240.
01 DUMMY DIAL-TONE DGT ……	2. Dial bin no.
	3. Used the dial pad to enter desired data.
	4. Press the **[SAVE]** button to store the data entry

Table 2.3.6.15-1 PPP ATTRIBUTES (PGM 240)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
	01 DUMMY DIAL-TONE DGT …. .	Dummy Dial tone digits.	Max 6 digits (0~9, *,#, X)	

2.3.6.16 Executive/Secretary Assign –PGM Code 241

Stations can be grouped as Executive/Secretary so that when the Executive enters DND, intercom and transferred calls are automatically routed to the Secretary. An Executive may have up to 3 Secretaries. A Secretary can be assigned to multiple Executives. The Secretary of one pair may be the Executive of another however, assignments that form a loop-back are not allowed.

PROCEDURE:	
EXEC/SEC ASSIGN ENTER BIN NO (01-48)	1. Press the **[PGM]** button and dial 241.
01 EXEC/SEC PRESS FLEX KEY(1-7)	2. Use the dial-pad to enter the desired Executive/Secretary pair bin.
Refer to the following table DISPLAY	3. Press the desired Flex button, refer to the following Table.
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.6.16-1 EXECUTIVE/SECRETARY ASSIGN (PGM 241)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	01 EXECUTIVE NUMBER ….	Assigns Executive station.		
2	01 SECRETARY ASSIGN …. …. ….	Assigns Secretary stations; enter secretary station range, or press FLEX 1 ~ 3 and enter station number to assign.	FLEX 1-3	
3	01 ICM CALL TO EXEC 0. SECRETARY (0-1)	Determines call forwarding when Executive/Secretary is in use. SECRETARY: all internal calls to the Exec. Station (except for calls from executives having executive access privilege) are routed to the Secretary station regardless of the Executive station status. SEC IF EXEC IN DND: internal calls are routed to secretary when executive is in 'DND'.	0: Secretary 1: Secretary if Executive in DND	Secretary
4	01 CO CALL TO EXEC 0. SECRETARY (0-1)	Determines call forwarding when Executive/Secretary is in use. SECRETARY: all incoming CO calls to the Exec. Station are routed to the Secretary station regardless of the Executive status. SEC IF ECEC DND: incoming CO calls are routed to secretary when executive is in 'DND'.	0: Secretary 1: Secretary if Executive in DND	Secretary
5	01 CALL EXECUTIVE 0.OFF (0-2)	This option is to directly route calls to the Executive station. OFF: executive calls are routed to secretary. FIRST SEC. DND: the executive receives call when first secretary is in 'DND'. ALL SEC. DND: the executive receives call when all secretaries in 'DND'.	0-2	0
6	01 SECRETARY CHOICE 0. FIRST IDLE(0-1)	Determines order in which secretary stations will receive calls (First Idle/Longest Idle).	0-1	0
7	01 MSG WAIT STATION 0.EXECUTIVE (0-1)	Determines if message wait indication is left at Executive Station or Secretary. EXECUTIVE: message left at Executive station. FIRST SEC: message is left at the first secretary.	0: Executive 1: First Secretary	0

2.3.6.17 Executive-Executive Access -PGM Code 242

Each Executive can be allowed or denied access to other Executives. As a default, calls between executives are disabled.

PROCEDURE:	
EXEC/EXEC ACCESS **ENTER BIN NO (01-48)**	1. Press the **[PGM]** button and dial 242.
SELECT EXEC BIN IDX **F1(1-24)/F2(-48)**	2. Use the dial-pad to enter a bin no.
	3. Press desired Flex button number (1~2), - Flex 1: access for 1 to 24 - Flex 2: access for 25 to 48
	4. Press the desired Flex button to toggle access. - LED on: access allowed, LED off: access not allowed.
	5. Press the **[SAVE]** button to store the data entry

2.3.7 TABLES DATA – PGM CODES 250-269

2.3.7.1 Toll Tables -PGM Code 250

Based on Table entries, Stations or DISA users are allowed or denied dialing specified numbers. The following rules apply to establishing restrictions based on the Table entries:

- If entries are only made in the Allow Table, only those numbers entered can be dialed, all other dialed numbers will be restricted.
- If entries are only made in the Deny Table, only those numbers entered will be restricted and all other numbers can be dialed.
- When there are entries in both the Allow and Deny Table pair, if the number is in the Deny Table, the number will be restricted otherwise the number can be dialed without restriction.

COS values from 2 to 15 have an Allow and a Deny entry in the Toll Table. For each Table, there can be up to 100 separate Allow and Deny entries of up to 16 digits. Entries in the Tables can be any digit (0-9), "*", "#".

PROCEDURE:	
TOLL EXCEPTION TABLE **ENTER COS NO(02-15)**	1. Press the **[PGM]** button and dial 250.
02 TOLL TABLE **F1: ALLOW / F2: DENY**	2. Press Flex button 1~2: - Flex 1: Allow Table - Flex 2: Deny Table
02 ALLOW TABLE **ENTER BIN NO(001-100)**	3. Use the dial-pad to select a bin number (001~100).
	4. Use the dial-pad to enter the dialed number desired (up to 16 digits). To delete a Toll Table entry, press the **[SPEED]** button.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.7.1-1 TOLL TABLE ATTRIBUTES (PGM 250)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
	02 ALLOE TABLE BIN001: …. .	Allow digits	Max 16 digits	
	02 DENY TABLE BIN001: …. .	Deny digits	Max 16 digits	

2.3.7.2 Digit Conversion Tables –PGM Code 251

The Digit Conversion Table index is assigned to the Station and CO line. And the digit conversion can be applied according to the Apply Time Type (Unconditional, Day/Night/Timed or LCR Day/Time) differently.

Each Table includes 300 entries of up to 16 digits; entries in the Tables can be any digit (0-9), or "*", "#".

PROCEDURE:	
DIGIT CONVERSION TABLE ENTER TABLE NUM(1-9)	1. Press the **[PGM]** button and dial 251.
1 DIGIT CONVERSION ENTER BIN NO(001-300)	2. Dial Digit Conversion Table Number (1~9).
1/001 DIGIT CONV. PRESS FLEX_KEY (01-17)	3. Dial conversion Bin No (001~300) - Flex 1: Apply Time Type - Flex 2: Dialed Digit - Flex 3: Unconditional Changed Digit - Flex 4-6: Day/Night Timed Changed Digit - Flex 7-15: LCR Time (Day/Time Zone Changed Digit) - Flex 16-17: DNT/LCR Time Table Index
	4. Use the dial-pad to enter the dialed number.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.7.2-1 DIGIT CONVERSION TABLE ATTRIBUTES (PGM 251)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1/001 APPLY T-TYPE (0-2): UNCONDITIONAL	The Apply time type to be applied when the dialed digit is dialed.	0: Unconditional 1:Follow DNT 2: Follow LCR	0:Uncontional *
2	1/001 DIALED DIGIT ……	The dialed digits	Max 16 digits	
3	1/001 UNCOND CHANGED ……	The CO Group Access Code and digits to be sent to PX when the dialed digit is pressed if Apply time type is 'unconditional'.	Max 16 digits	

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
4	1/001 DAY CHANGED ……	The CO Group Access Code and digits to be sent to PX in Day when the dialed digit is pressed if Apply time type is 'FOLLOW DNT'.	Max 16 digits	
5	1/001 NIGHT CHANGED ……	The CO Group Access Code and digits to be sent to PX in Night when the dialed digit is pressed if Apply time type is 'FOLLOW DNT'.	Max 16 digits	
6	1/001 TIMED CHANGED ……	The CO Group Access Code and digits to be sent to PX in Timed when the dialed digit is pressed if Apply time type is 'FOLLOW DNT'.	Max 16 digits	
7	1/001 D1/T1 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 1/Time 1' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
8	1/001 D1/T2 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 1/Time 2' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
9	1/001 D1/T3 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 1/Time 3' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
10	1/001 D2/T1 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 2/Time 1' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
11	1/001 D2/T2 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 2/Time 2' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
12	1/001 D2/T3 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 2/Time 3' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
13	1/001 D3/T1 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 3/Time 1' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
14	1/001 D3/T2 CHANGED ……	The digits to be dialed in 'Day 3/Time 2' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
15	1/001 D3/T3 CHANGED ……	The CO Group Access Code and digits to be sent to PX in 'Day 3/Time 3' when the dialed digit is pressed if Apply time type is 'FOLLOW LCR'.	Max 16 digits	
16	1/001 DNT TIME INDEX (1-9): .	Day/Night/Timed Time Table Index	1-9, none	none
17	1/001 LCR TIME INDEX (1-9): .	LCR Time Table Index	1-9, none	none

2.3.7.3 Digit Conversion Options -PGM Code 252

There are two options for Digit conversion: LCD Display and PRINT (refer to Tables).

PROCEDURE:	
DIGIT CONVERSION OPTION ENTER TABLE NUM(1-9)	1. Press the **[PGM]** button and dial 252.
1) DIGIT CONVE. OPTION PRESS FLEX_KEY (1-2)	2. Dial Digit Conversion Table Number (1-9).
	3. Press the Flex button (1-2)
	4. Use the dial-pad to enter the dialed number.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.7.3-1 DIGIT CONVERSION OPTION ATTRIBUTES (PGM 252)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1) DISPLAY CONV. DIGIT (1:ON/0:OFF) : OFF	If it is set to ON, the station LCD is updated to the dialed digits when alerting message is received from the PX after dialing.	0: OFF 1: ON	OFF
2	1) PRINT CONV. DIGIT (1:ON/0:OFF) : OFF	If it is set to ON, the dialed digits are printed to the SMDR.	0: OFF 1: ON	OFF

2.3.7.4 Time Table Attribute -PGM Code 253

The system can automatically select the Ring and COS Mode based on the system time table. Three Ring and COS modes are supported: Day, Night, and Timed modes.

Each Time Table has a ring mode relating to the different ring assignments, COS, and answering method for the system. The ring mode can be controlled automatically through definitions in the Auto Ring Mode & weekly timetable based on the Time Table. The Attendant may change the system mode selection from automatic to manual. Refer to Table 2.3.7.4-1 for a description of the functions, the LCD displays and data entries required.

PROCEDURE:	
TIME TABLE ATTRIBUTE ENTER TABLE RANGE (1-9)	1. Press the **[PGM]** button and dial 253.
1-1 TIME TABLE ATTR PRESS FLEX KEY (1-5)	2. Use the dial pad to enter the desired table range
Refer to the following table DISPLAY	3. Press the Flex button for the desired setting; refer to the following table.
	4. Use the dial pad to enter the desired flexible button
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.7.4-1 TIME TABLE ATTRIBUTES (PGM 253)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1-1 TIME ZONE COMMENT	Defines the comment of the Time table.	32 Character	None
2	1-1 SYS TIME ZONE(0-73) 0. SYSTEM TIME	Defines the Time Zone of the Time Table	0-73	0. SYSTEM TIME
3	1-1 DAYLIGHT SAVING (1:ON/0:OFF) : OFF	Defines Daylight Saving Time of Time Table.	ON/OFF	OFF
4	1-1 RING MODE (0-2) 0. DAY	Defines the ring mode of Time Table. 0. Day 1. Night 2. Timed	0-2	DAY
5	1-1 AUTO RING MODE (1:ON/0:OFF) : OFF	Defines the Auto Ring mode of the Time Table.	ON/OFF	OFF

2.3.7.5 Weekly Time Table –PGM Code 254

The ring mode can be controlled automatically through definitions in the Auto Ring Mode and Weekly Time Table based on the Time Table.

The start times for Day, Night and start and end times for timed modes are entered for each day of week.

PROCEDURE:	
WEEKLY TIME TABLE ENTER TABLE RANGE(1-9)	1. Press the **[PGM]** button and dial 254.
1-1 WEEKLY TIME TBL PRESS FLEX KEY (1-7)	2. Use the dial pad to enter the desired tenant range
Refer to the following table DISPLAY	3. Press the Flex 1-7 for the desired day of week (Monday-Sunday). 4. Press Flex 1-3 for the desired ring mode (Day, Night, Timed), refer to the Table.
	5. Use the dial-pad to enter a time (military time), 0000 to 2359.
	6. Press the **[SAVE]** button to store the data entered.

Table 2.3.8.8.2-1 WEEKLY TIME TABLE (PGM 254)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	MON DAY-09:00 NITE-18:00 TDS-..:.. TDE-..:..	Monday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: 9:00 NITE: 18:00 TDS: ..:.. TDE: ..:..
2	TUE DAY-09:00 NITE-18:00 TDS-..:.. TDE-..:..	Tuesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: 9:00 NITE: 18:00 TDS: ..:.. TDE: ..:..

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
3	WED DAY-09:00 NITE-18:00 TDS-..:.. TDE-..:..	Wednesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: 9:00 NITE: 18:00 TDS: ..:.. TDE: ..:..
4	THU DAY-09:00 NITE-18:00 TDS-..:.. TDE-..:..	Thursday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: 9:00 NITE: 18:00 TDS: ..:.. TDE: ..:..
5	FRI DAY-09:00 NITE-18:00 TDS-..:.. TDE-..:..	Friday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: 9:00 NITE: 18:00 TDS: ..:.. TDE: ..:..
6	SAT DAY-..:.. NITE-..:.. TDS-00:00 TDE-..:..	Saturday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: ..:.. NITE: ..:.. TDS: 00:00 TDE: ..:..
7	SUN DAY-..:.. NITE-..:.. TDS-00:00 TDE-..:..	Sunday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	0000~2359	DAY: ..:.. NITE: ..:.. TDS: 00:00 TDE: ..:..

2.3.7.6 LCR Time Table -PGM Code 255

The LCR Time Tables provide a mechanism to define the database with Digit Conversion Table (PGM251~252), which will route outgoing calls, particularly long distance, using the most cost-effective route.

Additionally, days of the week are grouped into zones (Day Zones) and the time of day can be set into three groups (Time Zones). Table 2.3.7.6-1 provides general descriptive information and input ranges.

PROCEDURE:	
LCR TIME TABLE ATTR. ENTER TABLE INDEX (1-9	1. Press the **[PGM]** Button and dial 255
1 LCR TIME ATTR. PRESS FLEX KEY (1-4)	2. Press Flex button 1~4, refer to the Table.
Refer to the following table DISPLAY	3. For LCR Time Zones, use the dial-pad to enter desired data. Refer to the Table for input ranges. - Flex 1-7: to select the day of week (1=Monday, 7=Sunday). 4. Enter the desired Day Zone (1-3).
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.7.6-1 LCR TIME TABLE ATTRIBUTES (PGM 255)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DAY ZN 1:1234567 2: 3: M1 T2 W3 T4 F5 SA6 SU7	For each day of the week, a Day Zone (1 to 3) is assigned. The active Day Zone is the Zone assigned to the current day of the week (Flex button 1~7).	Flex 1~7 + 1~3	Zone 1: all days of the week

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	DAY ZONE 1 1:00-24 2:..-.. 3:..-..	This entry defines the time zone of day zone 1 when Day Zone 1 is active.	00~24	00-24
3	DAY ZONE 2 1:00-24 2:..-.. 3:..-..	This entry defines the time zone of day zone 2 when Day Zone 2 is active.	00~24	
4	DAY ZONE 3 1:00-24 2:..-.. 3:..-..	This entry defines the time zone of day zone 3 when Day Zone 3 is active.	00~24	

2.3.7.7 Holiday Time Table –PGM Code 256

Each Time Table has a Holiday Time table and Ring mode is operated as Night mode when the current date is set as a Holiday time table election from automatic to manual.

PROCEDURE:	
HOLIDAY TIME TABLE ENTER TABLE INDEX (1-9)	1. Press the **[PGM]** button and dial 256.
1 HOLIDAY TABLE ENTER BIN NO (01-50)	2. Use the dial pad to enter the desired table index..
1/01 HOLIDAY ATTR ENTER FLEX KEY (1-2)	3. Use the dial pad to enter the desired bin.
Refer to the following table DISPLAY	4. Press the Flex button for the desired setting; refer to the following table.
	5. Use the dial pad to enter the desired flexible button
	6. Press the [SAVE] button to store the data entry.

Table 2.3.7.7-1 HOLIDAY TIME TABLE (PGM 256)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1/01 LUNAR CALENDAR (1:ON/0:OFF) : OFF	Defines the Lunar Calendar for Holiday table.	ON/OFF	OFF
2	1/01 HOLIDAY DATE 01 : ../..	Defines Holiday Date for Holiday table	MM/DD	None

2.3.7.8 System Speed Table -PGM Code 257

The System Speed can be assigned.

PROCEDURE:	
SYSTEM SPEED DIAL TABLE ENTER RANGE (2000-3999)	1. Press the **[PGM]** button and dial 257.
2000-2000 SYS SPD DIAL PRESS FLEX_KEY (1-4)	2. Use the dial-pad for the desired speed range..
	3. Press the Flex button (1~4) - Flex 1: System Speed Dial - Flex 2: System Speed Dial Name - Flex 3: Toll Free - Flex 4: Tenant No
	4. Use the dial-pad to enter the dialed number.
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.7.8-1 SYSTEM SPEED DIAL TABLE ATTRIBUTES (PGM 257)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	2000-2000 SYS SPD DIAL ……	The System Speed Dial Digits	Max 32 digits	
2	2000-2000 SYS SPD NAME ……	The System Speed Dial Name	Max 16 characters	
3	2000-2000 TOLL FREE (1:ON/0:OFF) : OFF	Assignment to apply toll free	0: OFF 1: ON	OFF
4	2000-2000 TENANT NO (1-9) : 1	The tenant number to be applied the System Speed Access	1~9(MG-300) 1-5(MG-100)	1

2.3.7.9 Emergency Code Table -PGM Code 258-

The Emergency Code Table is used to identify emergency numbers which, when dialed, will override all COS dialing restrictions. An Emergency Code number may be up to fifteen (16) digits in length.

PROCEDURE:	
EMERGENCY CODE TABLE ENTER BIN NO (01 - 50)	1. Press the **[PGM]** button and dial 258.
01 EMERGENCY CODE PRESS FLEX_KEY (1-3)	2. Use the dial-pad for the desired Emergency code entry, 01 ~ 50.

	3. Press the Flex button (1~3) - Flex 1: Dialed Digit - Flex 2: Changed Digit (To be dialed digits) - Flex 3: Tenant number
	4. Use the dial-pad to enter the dialed number.
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.7.9-1 EMERGENCY CODE TABLE ATTRIBUTES (PGM 258)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	01 DIALED DIGIT ……	The dialed digits from user.	Max 16 digits	
2	01 CHANGED DIGIT ……	CO Group Access Code and digits to be sent to PX when user dials the dialed digit.	Max 16 digits	
3	01 TENANT NO (1-9) : 1	The tenant number to be applied when user dials emergency code.	1~9(MG-300) 1-5(MG-100)	1

2.3.7.10 Announcement Table -PGM Code 259

The System Speed can be assigned (refer to Tables).

PROCEDURE:	
ANNOUNCEMENT TABLE ENTER BIN NO (001-100)	1. Press the **[PGM]** button and dial 259.
001 1ST- ../.. 2ND-../.. 3-../.. 4-../.. CCR:…	2. Use the dial-pad for the desired announcement bin no.
	3. Press the Flex button (1~4) - Flex 1: The 1st VMIB Slot & Announcement No - Flex 2: The 2nd VMIB Slot & Announcement No - Flex 3: The 3rd VMIB Slot & Announcement No - Flex 4: The 4th VMIB Slot & Announcement No - Flex 5: CCR Index Number
	4. Use the dial-pad to enter the dialed number.
	5. Press the **[SAVE]** button to store data entered.

Table 2.3.7.10-1 ANNOUNCEMENT TABLE ATTRIBUTES (PGM 259)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1~4	001 1ST-../.. 2ND-../.. 3-../.. 4-../.. CCR:…	The VMIB slot & Prompt No. to be used for playing the VMIB Announcement No.	VMIB Slot(00-18) & Prompt No (01-70)	
5	001 1ST-../.. 2ND-../.. 3-../.. 4-../.. CCR:…	CCR index used for playing the VMIB Announcement No.	1~100	

2.3.7.11 Customer Call Routing Table –PGM Code 260

The system incorporates Integrated Voice Response (IVR) capabilities called Customer Call Routing (CCR). After or during a VMIB Announcement, a caller may dial a digit to select a destination or route for the call. The CCR Table defines the destination associated with digits dialed by the caller in response to the VMIB Announcement (001-100); up to 100 single-level Audio Text menus may be assigned, or multi-level menu structures (maximum 100 levels) can be established using one menu as a destination for the previous level.

PROCEDURE:	
CUSTOM CALL ROUTING **SELECT BIN NO (001-100)**	1. Press the **[PGM]** button and dial 260.
001 CCR TABLE **PRESS FLEX KEY (1-12)**	2. Use the dial-pad to select a CCR Table index, 001~100. The index number is the index of Announcement Table (PGM 259)
001 CCR TABLE **INPUT 1 : NOT ASSIGNED**	3. Press a Flex button (1~12, 10=0, 11=*, 12=#) to assign a route for the associated CCR dialed digit.
001 CCR TABLE **INPUT 1 : ...**	4. Use the dial-pad for Destination.
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.7.11-1 CCR TABLE ATTRIBUTES (PGM 260)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1~12	**001 CCR TABLE** **INPUT 1 : ……..**	The destination of CCR input digit; the destination can be a Station number, Station group number or Feature code. NOTE: For Feature codes, refer to the Numbering Plan for the applicable codes.	Max 8 Digits	

2.3.7.12 ICLID Route Table –PGM Code 262

The system can employ Incoming Calling Line ID (ICLID) to determine the routing of incoming external calls. Each CO/IP Line may be assigned to employ ICLID routing. The System will compare the received ICLID to entries in the ICLID Route Table, and if a match is found, the System will route the call to the destination indicated by the index (bin) number (PGM 181).

PROCEDURE:	
ICLID TABLE **ENTER BIN NO (001-250)**	1. Press the **[PGM]** button and dial 262.
001 ICLID TABLE **PRESS FLEX KEY (1-7)**	2. To program ICLID Route table, dial Bin No (001 – 250).
Refer to the following table **DISPLAY**	3. Press the Flex button for the desired ICLID Table entry; refer to Table.

	4. Use the dial pad to enter the desired Table data
	5. Press the **[SAVE]** button to store the Table data entered.

Table 2.3.7.12-1 ICLID TABLE (PGM 262)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	001 ICLID NUMBER ……	ICLID used to match the index.	24-digits	None
2	001 ICLID NAME ……	ICLID name that is sent by the System to the destination for the ICLID routed call.	16. Character	None
3	001 INC CO GROUP NO (01-72)..	The CO Group Number to apply ICLID route; if not assigned, ICLID is applied to all CO Groups.	1 - 72	
4	001 DAY RING INDEX (01-80) ..	The index to be routed in Day; the Alternative Ring Index (PGM 181).	1 – 80	
5	001 NIGHT RING INDEX (01-80) ..	The index to be routed in Night; the Alternative Ring Index (PGM 181).	1 – 80	
6	001 TIMED RING INDEX (01-80) ..	The index to be routed in Timed; the Alternative Ring Index (PGM 181).	1 – 80	
7	001 TENANT NO (1-9) 1	The tenant number to be applied the ICLID.	1~9(MG-300) 1-5(MG-100)	1

2.3.7.13 CLI Conversion Table –PGM Code 263

The system can convert Incoming or outgoing CLI using the CLI Conversion Table. The system will compare the received CLI or Calling CLI to the Conversion table.

PROCEDURE:	
CLI CONVERSION TABLE ENTER TABLE NUM(1-9)	1. Press the **[PGM]** button and dial 263.
1 CLI CONVERSION ENTER BIN NO (01-50)	2. To select CLI Conversion table, dial table number (1–9).
1/01 CONV. INDEX PRESS FLEX KEY (1-2)	3. To program CLI Conversion table, dial the appropriate bin number (01-50), and refer to the Table.
	4. Press the Flex button for the desired ICLID Table entry, refer to Table.
	5. Press the **[SAVE]** button to store the Table data entered.

Table 2.3.7.13-1 CLI CONV TABLE (PGM 263)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1/01 ORIGINAL CLI ……	Original CLI	24-digits	None
2	1/01 CONVERTED CLI ……	Converted CLI	24 digits	None

2.3.7.14 Tone Port Table – PGM Code 264 (Web Admin Only)

The system provides 19 types of tone ports. Each tone port may be selected as a tone type from the Tone Table (PGM 290).

Table 2.3.7.14-1 TONE PORT TABLE (Default)

INDEX	FREQUENCY		CADENCE	REPEAT
	FREQ 1	FREQ 2		
01	425 Hz	0 Hz	300 ms ON / 200 ms OFF	255(Cont.)
02	620	0	200 ms ON / 200 ms OFF / 200 ms ON / 200 ms OFF	255(Cont.)
03	1000	1020	500 ms ON / 500 ms OFF	3
04	440	0	1 sec ON / 4 sec OFF	255(Cont.)
05	950	0	1 sec ON / 2 sec OFF	255(Cont.)
06	950	0	400 ms ON / 100 ms OFF	2
07	950	0	200 ms ON / 200 ms OFF	3
08	1400	0	1200 ms ON / 320 ms OFF	1
09	1400	0	200 ms ON / 200 ms OFF	3
10	350	440	1 sec ON	255(Cont.)
11	425	0	320 ms ON / 30 ms OFF	255(Cont.)
12	620	0	200 ms ON / 200 ms OFF	3
13	950	0	100 ms ON / 200 ms OFF	2
14	425	0	200 ms ON / 200 ms OFF / 200 msec ON / 3400 msec OFF	255(Cont.)
15	620	0	100 ms ON / 100 ms OFF	255(Cont.)
16	425	620	500 ms ON / 500 ms OFF	255(Cont.)
17	350	0	1 sec ON	255(Cont.)
18	425	0	200 ms ON / 200 ms OFF / 200 ms ON / 1400 ms OFF	1
19	1260	1633	500 ms ON / 500 ms OFF	255(Cont.)

2.3.7.15 Ring Table – PGM Codes 265-266 (Web Admin Only)

Each Ring can have 4 different types among 15 Ring. After 4 different ring index programmed, CO line or Station may select one of 4 types.

Table 2.3.7.1510-1 RING TABLE (PGM 265)

INDEX	RING NAME
1	Normal Call Ring (Station)
2	Normal Call Ring (CO)
3	Recall Ring (Station)

INDEX	RING NAME
4	Recall Ring (CO)
5	Forward Call Ring (Station)
6	Forward Call Ring (CO)
7	Transfer Call Ring (Station)
8	Transfer Call Ring (CO)
9	Call Back Indication Ring
10	Wakeup Indication Ring
11	Revertible Ring
12	Paging Call Ring
13	Handsfree Answer Ring
14	Command Call Ring
15	Alert Ring
16	Alarm Ring
17	Fault Ring

Table 2.3.7.1510-1 RING FREQ/CADENCE TABLE (PGM 266)

INDEX	FREQUENCY		CADENCE	REPEAT
	FREQ 1	FREQ 2		
01	1000	1020	200 ms ON / 200 ms OFF	255(Cont.)
02	1000	1020	400 ms ON / 2 sec OFF	255(Cont.)
03	1000	1020	400 ms ON / 600 ms OFF	255(Cont.)
04	1000	1020	1 sec ON	1
05	1000	1020	800 ms ON / 2400 ms OFF	255(Cont.)
06	890	910	800 ms ON / 2400 ms OFF	255(Cont.)
07	1260	1280	800 ms ON / 2400 ms OFF	255(Cont.)
08	800	820	800 ms ON / 2400 ms OFF	255(Cont.)
09	1000	1020	400 ms ON / 400 ms OFF / 400 ms ON / 2 sec OFF	255(Cont.)
10	890	910	400 ms ON / 400 ms OFF / 400 ms ON / 2 sec OFF	255(Cont.)
11	1260	1280	400 ms ON / 400 ms OFF / 400 ms ON / 2 sec OFF	255(Cont.)
12	800	820	400 ms ON / 400 ms OFF / 400 ms ON / 2 sec OFF	255(Cont.)
13	1000	1020	200 ms ON / 200 ms OFF	255(Cont.)
14	1000	1020	400 ms ON / 400 ms OFF	255(Cont.)
15	1000	1260	300 ms ON / 300 ms OFF	255(Cont.)

2.3.7.16 Voice Mail Dialing Table –PGM Code 269

When an external Voice Mail system is used that employs in-band signaling, a digit sequence must be defined for the system to signal various call characteristics to the Voice Mail system. The voice mail uses the sequences to determine appropriate announcements or further call routing. The Table permits the definition of digits as either a prefix or suffix to other digits (station number for mailbox identification). Sequences are defined for such call characteristics as Put Mail, Get Mail, No Answer call, etc.

PROCEDURE:	
VOICE MAIL DIALING TBL **DIAL DIGIT (1-9)**	1. Press the **[PGM]** button and dial 269.

Refer to the following table DISPLAY	2. Use the dial-pad to enter a table entry (1-9), refer to Table.
	3. Use the dial-pad to select Prefix or Suffix and the digit sequence, use the **[MSG/CALLBK]** button to enter a Pause, refer to the Table.
	4. Press the **[SAVE]** button to store the data entered.

Table 2.3.7.161-1 VOICE MAIL DIAL (PGM 269)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	VOICE MAIL 1 PREFIX OR SUFFIX (1-2)	Put Mail code sent when the voice mail is to receive call to record a message.	0: Prefix 1: Suffix Any digits	P#
2	VOICE MAIL 2 PREFIX OR SUFFIX (1-2)	Get Mail code sent when the voice mail is to playback recorded messages.	0: Prefix 1: Suffix Any digits	P##
3	VOICE MAIL 3 PREFIX OR SUFFIX (1-2)	Busy Mail code sent when the voice mail is to receive a call while the user is busy.	0: Prefix 1: Suffix Any digits	P#*3P
4	VOICE MAIL 4 PREFIX OR SUFFIX (1-2)	DND Mail code sent when the voice mail is to receive a call while the user is in DND.	0: Prefix 1: Suffix Any digits	P#*4P
5	VOICE MAIL 5 PREFIX OR SUFFIX (1-2)	No Answer Mail code sent when the voice mail is to receive a call when the user did not answer.	0: Prefix 1: Suffix Any digits	P#*5P
6	VOICE MAIL 6 PREFIX OR SUFFIX (1-2)	Error Mail code sent when the voice mail is to receive a call when a dialing error exists.	0: Prefix 1: Suffix Any digits	P#*6P
7	VOICE MAIL 7 PREFIX OR SUFFIX (1-2)		0: Prefix 1: Suffix Any digits	
8	VOICE MAIL 8 PREFIX OR SUFFIX (1-2)		0: Prefix 1: Suffix Any digits	
9	VOICE MAIL 9 DISCONNECT [DIAL DGT_1]	Disconnect Mail code sent when the voice mail is to disconnect a call.	0: Prefix 1: Suffix Any digits	*****

2.3.8 TENANTS DATA – PGM CODES 270-296

2.3.8.1 Attendant Group -PGM Codes 270-272

Each tenant on the System can have an Attendant Group an Attendant group can have up to 5 Attendants.

2.3.8.1.1 Attendant Group Assign -PGM Code 270

Attendant Stations can be grouped so that calls will search for an idle Attendant in the group. The System allows assignment of the process to be in Circular, Terminal, Ring, Longest Idle modes.

Refer to the following table for a description of the functions, the LCD displays and data entries required.

PROCEDURE:	
ATTENDANT GR ASSIGN **ENTER TENANT NO (1-9)**	1. Press the **[PGM]** button and dial 270.
TENANT 1 ATTD GR. **PRESS FLEX KEY (1-4)**	2. Use the dial pad to enter the desired tenant number (1-5 for the iPECS-MG 100 and 1-9 for iPECS-MG 300).
Refer to the following table **DISPLAY**	3. Press the Flex button for the desired setting; refer to the following table.
	4. Use the dial pad to enter the desired Attendant Group data. NOTE: for group members, enter an attendant number or attendant range. For an individual station press the desired Flex button for the position of the station in the group and dial the attendant number. For a range, enter the first and last station number in the range (only LKD/LDP/LIP model can be assigned).
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.8.1-1 ATTENDANT GROUP ASSIGNMENT (PGM 270)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	T1 ATTD GR TYPE 0.TERMINAL (0-3)	Defines the type of Attendant group.	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
2	T1 ATTD GR NAME	Defines the name of attendant group	Max 16.	-
3	T1 CO ATD NUMBER	Defines attendant call number for CO line	Max 4	
4	T1 MEMBER ASG	Assigns stations as members of an Attendant group.		First Station

2.3.8.1.2 Attendant Group Greeting/Queuing -PGM Code 271

Each attendant group has available attributes relating to the greeting and queuing announcements, time. Table 2.3.8.1.2-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
ATTD GR GREETING/QUEUING ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 271.
T1 GREETING/QUEUING PRESS FLEX_KEY (01-12)	2. Use the dial pad to enter the desired tenant number (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired attribute, refer to Table.
	4. Use the dial pad to enter the desired attendant group attributes data, refer to the Table.
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.1.8.2-1 ATTENDANT GROUP GREETING/QUEUING (PGM 271)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	T1 GREETING TYPE 0.NORMAL(0-4)	Determines the type of Greeting Tone to be used.	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	0
2	T1 GREETING PLAY (000-180) : 0000 (100ms)	Determines the Greeting Play time.	000~180 (sec)	000
3	T1 GREETING TONE NO (01-19) : ..	Determines the Greeting Tone number when greeting type is set to Normal.	01~19	04
4	T1 GREETING PROMPT/ANNC (001-255) : ...	Determines the Greeting Prompt/ Announce Number when Greeting Type is set to Prompt or Announce.	001-255	NOT ASG
5	T1 GREETING REPEAT NO (000-100) : 003	Determines the number of times the Greeting will repeat.	000-100	3
6	T1 GREETING RPT DELAY (000-100) : 000 (sec)	Determines the length of time the timer will pause before the greeting is repeated.	000-100 (seconds)	0
7	T1 QUEUING TYPE 0.NORMAL(0-4)	Determines the type of Queuing Tone.	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	3
8	T1 TIMEOUT TIMER (000-180) : 030(sec)	Determines the Greeting/Queuing Timeout Timer.	010~300 (sec)	030
9	T1 QUEUING TONE NO (01-19) : ..	Determines the Queuing Tone number used when Queuing Type is set to Normal.	01~19	00

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
10	T1 QUEUING PROMPT/ANNC (001-255) : ...	Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	001-255	NOT ASG
11	T1 QUEUING REPEAT NO (000-100) : 003	Determines the Queuing Repeat number.	000-100	3
12	T1 QUEUING RPT DELAY (000-100) : 000 (sec)	Determines the Pause Timer before Queuing is repeated.	000-100 (seconds)	0

2.3.8.1.3 Attendant Group Attributes -PGM Code 272

Each attendant group has available attributes relating to announcements, timers, forward, etc. Table 2.3.8.1.3-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
ATTENDANT GR ATTR ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 272.
T1 ATTENDANT ATTR PRESS FLEX_KEY (1-8)	2. Use the dial pad to enter the desired tenant number (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired attribute; refer to the Table
	4. Use the dial pad to enter the desired attendant group attributes data, refer to the following table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.1.3-1 ATTENDANT GROUP ATTRIBUTES (PGM 272)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	T1 CALL IN GREETING (0-1): AFTER GREETING	Determines if call is routed to the Attendant when Greeting Tone is played.	0.After Greeting 1. In Greeting	1
2	T1 MAX QUEUE COUNT (00-99) : 05	Determines the Queue count.	00~99	05
3	T1 FORWARD TYPE 0.NOT USED (0-4)	Determines the Forward type to use. 0: Not used 1: Unconditional – call is routed to a forward destination unconditionally. 2: Queuing overflow – call is routed to a forward destination when a queue overflows. 3: Queuing timeout – call is routed to a forward destination when queuing time expires. 4: Queuing all – call is routed to a forward destination when a queue overflows or queuing time expires.	0. NOT USED 1. UNCOND 2. Q Overflow 3. Time out 4. All	0

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
4	T1 APPLY TIME TYPE 0. ALL (0-3)	Determines the time setting for applying the Forward type.	0. ALL 1. DAY 2. NIGHT 3. TIMED	0
5	T1 FWD DESTINATION	Determines the forward destination (trunk access code should be included).	Max 16 digits	
6	T1 WRAP UP TMR (000-600) : 005 (100ms)	Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	000-600 (100ms)	5
7	T1 MEMBER NO ANS TMR (050-600): 150 (100ms)	Determines the No Answer timer; if this timer is expired, a call is routed to the next attendant.	050-600 (100ms)	150
8	T1 ATD CALL BY STA NO (1:ON/0:OFF) : OFF	This entry defines attendant call by dialing attendant member. 0 : the call for attendant follows normal call. 1: the call for attendant follows attendant group call		OFF

2.3.8.2 Night Attendant Group -PGM Codes 275-277

Night Attendant Group covers a call while the Attendant station is in an unavailable mode or system goes to night mode.

2.3.8.2.1 Night Attendant Group Assign -PGM Code 275

Stations can be grouped as night attendant group so that calls will search for an idle station in the night attendant group. The system allows assignment of processes, Circular, Terminal, Ring, and Longest Idle.

Refer to table 2.3.8.2.1-1 for a description of the functions, the LCD displays and data entries required.

PROCEDURE:	
NIGHT ATTD GR ASSIGN ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 275.
TENANT 1 NIGHT ATTD GR. PRESS FLEX KEY (1-3)	2. Use the dial pad to enter the desired tenant number (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired setting; refer to the following table.
	4. Use the dial pad to enter the desired Attendant Group data. NOTE: for group members, enter an attendant number or attendant range. For an individual station press the desired Flex button for the position of the station in the group and dial the attendant number. For a range, enter the first and last station number in the range (only LKD/LDP/LIP model can be assigned).
	5. Press the **[SAVE]** button to store the data entered.

Table 2.3.8.2.1-1 NIGHT ATTENDANT GROUP ASSIGNMENT (PGM 275)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	T1 NIGHT ATTD GR TYPE 0.TERMINAL (0-3)	Determines the type of Night Attendant group.	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
2	T1 NIGHT ATTD GR NAME	Determines the name of the night Attendant group	Max 16.	-
3	T1 NIGHT MEMBER ASG	Assigns Stations as members of a Night Attendant group.		

2.3.8.2.2 Night Attendant Group Greeting/Queuing -PGM Code 276

Each night attendant group has available attributes relating to the greeting and queuing announcements, time. Table 2.3.8.2.2-1 provides descriptions for the attributes, LCD displays and data entries required.

PROCEDURE:	
NIGHT GREETING/QUEUING ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 276.
T1 GREETING/QUEUING PRESS FLEX_KEY (01-12)	2. Use the dial pad to enter the desired tenant number (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired attribute; refer to the Table
	4. Use the dial pad to enter the desired attendant group attributes data, refer to the following table.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.2.2-1 NIGHT ATTENDANT GROUP GREETING/QUEUING (PGM 276)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	T1 GREETING TYPE 0.NORMAL(0-4)	Determines the type of Greeting Tone used.	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	0
2	T1 GREETING PLAY (000-180) : 0000 (sec)	Determines greeting play time.	000~180 (sec)	000
3	T1 GREETING TONE NO (01-19) : ..	Determines the Greeting Tone number in case greeting type is normal.	01~19	..
4	T1 GREETING PROMPT/ANNC (001-255) : ...	Determines the Greeting Prompt / Annc Number when the greeting type is set to Prompt, or Announce.	001-255	NOT ASG

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
5	T1 GREETING REPEAT NO (000-100) : 003	Determines the Greeting Repeat number.	000-100	3
6	T1 GREETING RPT DELAY (000-100) : 000 (sec)	Determines the Pause timer used before Greeting is repeated.	000-100 (seconds)	0
7	T1 QUEUING TYPE 0.NORMAL(0-4)	Determines the type of Queuing Tone.	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	3
8	T1 TIMEOUT TIMER (000-180) : 030(sec)	Determines greeting/queuing timeout timer.	010~300 (sec)	30
9	T1 QUEUING TONE NO (01-19) : ..	Determines Queuing Tone number when Queuing Type is set to Normal.	01~19	..
10	T1 QUEUING PROMPT/ANNC (001-255) : ...	Determines Queuing Prompt / Annc. Number when Queuing Type is set to Prompt or Announce.	001-255	NOT ASG
11	T1 QUEUING REPEAT NO (000-100) : 003	Determines the Queuing Repeat number.	000-100	3
12	T1 QUEUING RPT DELAY (000-100) : 000 (sec)	Determines the Pause Timer before Queuing is repeated.	000-100 (seconds)	0

2.3.8.2.3 Night Attendant Group Attributes (PGM 277)

Each Night Attendant group has available attributes relating to Announcements, Timers, Forward, etc. (refer to Table 2.3.8.2.3-1 for descriptions of the attributes, LCD displays and data entries required).

PROCEDURE:	
NIGHT ATTD GR ATTR ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 277.
T1 NIGHT ATTD ATTR PRESS FLEX_KEY (1-7)	2. Use the dial pad to enter the desired Tenant number (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to Table DISPLAY	3. Press the Flex button for the desired attribute (refer to Table).
	4. Use the dial pad to enter the desired Attendant group attributes data (refer to Table).
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.2.3-1 NIGHT ATTENDANT GROUP ATTRIBUTES (PGM 277)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	T1 CALL IN GREETING (0-1): AFTER GREETING	Determines if a call is routed to the Night Attendant while the Greeting Tone is played.	0: After Greeting 1: In Greeting	1
2	T1 MAX QUEUE COUNT (00-99): 05	This entry defines queue count.	00-99	05
3	T1 FORWARD TYPE 0.NOT USED (0-4)	This entry defines forward type. 0: Not used 1: Unconditional – call is routed to a forward destination unconditionally. 2: Queuing overflow – call is routed to a forward destination when queue overflows. 3: Timeout – call is routed to a forward destination when timeout timer expires. 4: All – call is routed to a forward destination when queue overflows or timeout timer expires.	0: NOT USED 1: UNCOND 2: Q Overflow 3: Q Time out 4: Q All	0
4	T1 APPLY TIME TYPE 0. ALL (0-3)	Determines a time to apply the Forward type.	0. ALL 1. DAY 2. NIGHT 3. TIMED	0
5	T1 FWD DESTINATION	Determines a forward destination (trunk access code should be included).	Max 16 digits	
6	T1 WRAP UP TMR (000-600): 010 (100ms)	Determines the Wrap-up timer (member is available when timer expires after a member goes to idle).	000-600	010
7	T1 MEMBER NO ANS TMR (050-600): 150 (100ms)	Determines the no answer timer (if timer expires, a call is routed to the next night attendant).	050-600	150

2.3.8.3 Tenant Attributes – PGM Codes 280-281

One System can be divided as several systems; each Station and CO line are assigned to a specific Tenant group.

2.3.8.3.1 Tenant Attributes I -PGM Codes 280

Each tenant has available attributes relating to tenant name, retry count of ACNR, Wake Up, Auth etc. (refer to Table 2.3.8.3.1-1 for a description of the functions, the LCD displays and data entries required).

PROCEDURE:	
TENANT ATTRIBUTE 1 ENTER TENANT RANGE (1-9)	1. Press the **[PGM]** button and dial 280.
1-1 TENANT ATT 1 PRESS FLEX KEY (1-8)	2. Use the dial pad to enter the desired tenant range (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired setting (refer to Table).
	4. Use the dial pad to enter the desired flexible button.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.3.1-1 TENANT ATTRIBUTES I (PGM 280)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1-1 TENANT NAME	Determines the name of Tenant.	Max 24	
2	TENANT NAME DISPLAY (1:ON/0:OFF): OFF	Determines the Tenant name to display.	0: OFF 1: ON	0
3	TIME TABLE INDEX (1-9) : 1	Determines Time Table index of tenant group	1-9	1
4	ACNR RETRY COUNT (0-5): 3	Determines the ACNR retry count.	0-5	3
5	WAKEUP RETRY COUNT (0-5): 3	Determines the Wake Up retry count.	0-5	3
6	WAKEUP RETRY TIME(min) (00-20): 01	Determines the Wake Up retry time (min).	00-20	01
7	AUTH RETRY COUNT (0-5): 3	Determines the AUTH retry count.(Reserved)	0-5	3
8	MULTI-CFW SVC COUNT (01-10): 05	Determines the Multi-Call forward count.	01-10	05

2.3.8.3.2 Tenant Attributes II –PGM Code 281

Each tenant has available attributes relating to tenant name, retry count of ACNR, Wake-Up, and Auth., etc. (refer to Table 2.3.8.3.2-1 for a description of the functions, the LCD displays and data entries required).

PROCEDURE:	
TENANT ATTRIBUTE 2 ENTER TENANT RANGE (1-9)	1. Press the **[PGM]** button and dial 281.
1-1 TENANT ATT 2 PRESS FLEX KEY (1-7)	2. Use the dial pad to enter the desired Tenant range (1-5 for iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to Table DISPLAY	3. Press the Flex button for the desired setting (refer to Table).
	4. Use the dial pad to enter the desired flexible button.
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.3.2-1 TENANT ATTRIBUTE II (PGM 281)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CONF-MEMBER MANUAL ADD (1:ON/0:OFF): ON	Determines if conf-member manual add will be used; when set to ON, each CONF member can be added using the CONF button, when set to OFF, each CONF member will be added automatically.	0: OFF 1: ON	1
2	REDIAL METHOD 2. LIST DIAL	This entry defines the redial method when the User presses the [REDIAL] button. 1: One Touch Call – When [REDIAL] button is pressed, the phone will redial the previously called number. 2: One Touch Log Phone – When [REDIAL] button is pressed on phone with 3-soft button, redialing can be initiated, if phone does not have 3-soft button, a redial list will be displayed. 3: List Dial – When the [REDIAL] button is pressed, redial list is displayed, and user can select which number to redial.	0: One Touch Dial 1: One Touch Log Phone 2: List Dial	2
3	DIAL DIGIT PROCESS 2. TYPE 3(C-S-R[E])	This entry defines the dial digit processing method. 0: TYPE 1(R-C-S) – If user dials digits, digit are process as listed: - 1)Apply Toll Restriction to all digits including CO access code. - 2) Converted - 3) Seize CO Line 1: TYPE 2(C-S-R[A]) – If user dials digits, they are processed as listed: - 1) Converted - 2) Seize CO Line - 3) Apply toll Restriction to all digits including CO access code. 2: TYPE 3(C-S-R[E]) – If user dials digits, digit are processed as listed: - 1) Converted - 2) Seize CO Line - 3) Apply Toll Restriction external telephone number	0: Type 1 1: Type 2 2: Type 3	2
4	XFER CO TO COS 0 STA (1:ON/0:OFF) : ON	This entry allows transfer to COS 0 station	0: OFF 1: ON	ON
5	ADD CO ACCESS CODE (1:ON/0:OFF) : ON	This entry allows add CO Access code to incoming CLI to return the call	0: OFF 1: ON	OF
6	CODEC TYPE 1. G711	System Codec type	1.G711 2.G723 3.G729 4.G722	1
7	BACKLIGHT USAGE 0.All OFF	This entry allows backlight option of LIP Phone with ring mode	0.All Off 1.Day On 2.Night On 3.Timed On 4.D/N On 5.D/T On 6.N/T On 7.All On	0

2.3.8.4 Tenant Group Access -PGM Code 283

Stations in a group are allowed or denied the ability to place intercom/CO calls to Stations in other groups on a Group-by-group basis.

PROCEDURE:	
TENANT CALL ACCESS ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 283.
1 TENANT CALL ACCESS PRESS ACCESS NO (1-9)	2. Use the dial pad to enter the desired Tenant number (1-5 for the iPECS-MG 100, and 199 for iPECS-MG 300).
1 TENANT CALL ACCESS PRESS ACCESS NO (1-9)	3. Press the Flex button to access/deny tenant. 4. Each Tenant can be programmed to allow or deny call to other tenant.
	5. Press the **[SAVE]** button to store the data entry.

2.3.8.5 CO Call Restriction PGM Codes 284-285

The CO Call Time Restriction can be applied differently according to Call types (Local, Long Distance or International Call) based on each Tenant.

2.3.8.5.1 Call Duration Restriction I (CDR) -PGM Code 284

Each tenant has attributes relating Call Duration Restriction (CDR) according to call types (refer to Table 2.3.8.5.1-1 for a description of the functions, the LCD displays and data entries required).

PROCEDURE:	
CALL DURATION RESTRICT ENTER TENANT RANGE (1-9)	1. Press the **[PGM]** button and dial 284.
1-1 CDR ATTR 1 PRESS FLEX KEY (1-6)	2. Use the dial pad to enter the desired Tenant range (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to the following table DISPLAY	3. Press the Flex button for the desired setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.5.1-1 CALL DURATION RESTRICTION I (PGM 284)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	`NORMAL CO LINE (0-3): NO RESTRICTION`	Determines call restriction for Normal CO line.	0: No Restriction 1: All Calls 2: Long/ International 3: International	0
2	`DEDICATED LINE (0-1): NO RESTRICTION`	Determines the call restriction for TIE line.	0: No restriction 1: Restriction	0

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
3	LOCAL CALL AFTER R-TIME (0-2): SINGLE TONE	Determines the operation of Local calls after the Restriction timer expires.	0: Single tone 1: Repeat tone 2: Single tone & Drop	0
4	LONG CALL AFTER R-TIME (0-2): SINGLE TONE	Determines the operation of Long Distance calls after the Restriction timer expires.	0: Single tone 1: Repeat tone 2: Single tone & Drop	0
5	INTERNAT AFTER R-TIME (0-2): SINGLE TONE	Determines the operation of International calls after the Restriction timer expires.	0: Single tone 1: Repeat tone 2: Single tone & Drop	0
6	DEDICATED CALL AFT R-TM (0-2): SINGLE TONE	Determines the operation of TIE calls after the Restriction timer expires.	0: Single tone 1: Repeat tone 2: Single tone & Drop	0

2.3.8.5.2 Call Duration Restriction II (CDR) -PGM Code 285

Each tenant has available attributes relating the CDR timer according to call types (refer to Table 2.3.8.5.2-1 for a description of the functions, the LCD displays and data entries required).

PROCEDURE:	
CALL DURATION RESTRICT ENTER TENANT RANGE (1-9)	1. Press the **[PGM]** button and dial 285.
1-1 CDR ATTR 2 PRESS FLEX KEY (1-12)	2. Use the dial pad to enter the desired Tenant range (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
Refer to Table DISPLAY	3. Press the Flex button for the desired setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.8.5.2-1 CALL DURATION RESTRICTION II (PGM 285)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	LOCAL CALL TONE RPT-TMR (010-254): 020(sec)	Determines the Tone Repeat timer of Local calls.	010-254	020
2	LONG CALL TONE RPT-TMR (010-254): 020(sec)	Determines the Tone Repeat timer of Long Distance calls.	010-254	020
3	INTNATION CALL TONE RPT (010-254): 020(sec)	Determines the Tone Repeat timer of International calls.	010-254	020
4	DEDICATED CALL TONE RPT (010-254): 020(sec)	Determines the Repeat timer of Dedicated Line calls.	010-254	020
5	LOCAL CALL DISC. TMR (10-60): 15(sec)	Determines entry defines Disconnect timer of Local calls.	10-60	15

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
6	LONG CALL DISC. TMR (10-60): 15(sec)	Determines the disconnect timer of Long Distance calls.	10-60	15
7	INTERNATIONAL DISC. TMR (10-60): 15(sec)	Determines the Disconnect timer of International calls.	10-60	15
8	DEDICATED CALL DISC. TMR (10-60): 15(sec)	Determines the Disconnect timer of Dedicated Line calls.	10-60	15
9	LOCAL CALL REST. TMR (001-100): 003(min)	Determines the Restriction timer of Local calls.	001-100	003
10	LONG CALL REST. TMR (001-100): 003(min)	Determines the Restriction timer of Long Distance calls.	001-100	003
11	INTERNATIONAL REST. TMR (001-100): 003(min)	Determines the Restriction timer of International calls.	001-100	003
12	DEDICATED CALL REST. TMR (001-100): 003(min)	Determines the Restriction timer of Dedicated Line calls.	001-100	003

2.3.8.6 Call Prefix Table -PGM Codes 286-288

The call type for CDR can be applied differently according to the call Prefix Table based on Tenant.

2.3.8.6.1 Local Call Prefix Table -PGM Code 286

Each tenant has a Local Call Prefix Table relating to CDR.

PROCEDURE:	
LOCAL CALL PREFIX TABLE ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 286.
1 LOCAL CALL PREFIX ENTER BIN NO (01-50)	2. Use the dial pad to enter the desired Tenant range (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
1/01 LOCAL CALL PREFIX	3. Use the dial pad to enter the desired bin number (up to 4 digits can be assigned for local call prefix index).
	4. Press the **[SAVE]** button to store the data entry.

2.3.8.6.2 Long Distance Call Prefix Table –PGM Code 287

Each tenant has a Long Distance Call Prefix Table relating to CDR.

PROCEDURE:	
LONG DIST. PREFIX TABLE ENTER TENANT NO (1-9)	1. Press the **[PGM]** button and dial 287.

1 LONG DIST. PREFIX **ENTER BIN NO (01-50)**	2. Use the dial pad to enter the desired Tenant range (1-5 for the iPECS-MG 100, and 1-9 for iPECS-MG 300).
1/01 LONG DIST. PREFIX **. . . .**	3. Use the dial pad to enter the desired bin number (up to 4 digits can be assigned for the Long Distance call prefix index).
	4. Press the **[SAVE]** button to store the data entry.

2.3.8.6.3 International Call Prefix Table -PGM Code 288

Each tenant has an International Call Prefix Table relating to CDR.

PROCEDURE:	
INTERNATIONAL PREFIX **ENTER TENANT NO (1-9)**	1. Press the **[PGM]** button and dial 288.
1 INTERNATIONAL PREFIX **ENTER BIN NO (01-50)**	2. Use the dial pad to enter the desired tenant range (1-5 for the iPECS-MG 100 and 1-9 for iPECS-MG 300).
1/01 INTERNATION PREFIX **. . . .**	3. Use the dial pad to enter the desired bin number (up to 4 digits can be assigned for the International call prefix index).
	4. Press the **[SAVE]** button to store the data entry.

2.3.8.7 Tenant Tone Table –PGM Code 290

The system provides 71 tones that can be assigned for use as the normal tone, VMIB prompt/Announcement or internal/external music.

PROCEDURE:	
TENANT TONE TABLE **ENTER TENANT RANGE(1-9)**	1. Press the **[PGM]** button and dial 290.
1-1 TENANT TONE TABLE **ENTER TONE INDEX (01-73)**	2. Enter tenant range using dial pad. For a single tenant group, just enter the same number twice.
1ST DIAL TONE **PRESS FLEX KEY (1-6)**	3. To program tone, dial tone index (01 – 73). Please refer to the Tone Index Table of Web-Admin (PGM 264).
Refer to the following table **DISPLAY**	4. Press the Flex button. - Flex 1: Tone Type - Flex 2: Tone Time - Flex 3: Tone port index (Please refer to the TONE PORT Table) - Flex 4: VMIB Prompt/Announcement Number - Flex 5: VMIB Prompt/Announcement Repeat Number - Flex 6: VMIB Prompt/Announcement Repeat Interval
	5. Use the dial pad to enter the desired data
	6. Press the **[SAVE]** button to store the Table data entry.

Table 2.3.8.77-1 TONE TABLE (PGM 290)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	1-1/01 TONE TYPE (01-14): 1 (NORMAL TONE)	Designates the Tone type	01: Normal Tone 02:VMIB Prompt 03: VMIB Announcement 04: Internal MOH 05: External MOH 06~09:VMIB MOH 1/2/3/4 10~14: SLT MOH 1~5	Normal Tone
2	1-1/01 TONE TIME (001-600) : 010(sec)	Determines the amount of time tone is provided.	1 ~ 600	10
3	1-1/01 TONE PORT (01-19) : 11	Tone port index of PGM 264. The cadence of tone port may be changed by using Web-Admin	1 ~ 19	
4	1-1/01 PROMPT/ANNC. NO (001-255):…	The VMIB Prompt or Announcement number when tone type is VMIB Prompt or announcement.	1 ~ 255	
5	1-1/01 PROMPT/ANNC. RPT (000-100) : 001	The VMIB Prompt or Announcement Repeat number when tone type is VMIB Prompt or announcement.	0 ~ 100	1
6	1-1/01 PROMPT/ANNC. INTVL (000-100) : 001	The VMIB Prompt or Announcement Repeat interval when VMIB Prompt or announcement. Repeat is assigned.	0 ~ 100	0

Table 2.3.8.777-2 TONE INDEX TABLE

INDEX	TONE NAME	Description
1	1st Dial Tone	This is provided when station goes off-hook.
2	2nd Dial Tone	This is provided when station presses [TRANS] button during conversation to transfer the call.
3	CO Dial Tone	This is provided to transit CO line if he accesses CO line which does not provide CO Dial Tone.
4	DISA Dial Tone	This is provided to external caller through DISA
5	LCR Virtual Tone	Reserved
6	Digit Conversion Virtual Tone	This is provided when station dials ‘Dummy Dial-Tone Digit’ in PGM 240.
7	Password Dial Tone	This is provided when station dials conference room number having password.
8	Internal Busy Tone	This is provided to external caller through DID/DISA when he calls the busy station.
9	External Busy Tone	This is provided when station makes a external call to telephone in use.
10	CO Line Busy Tone	This is provided to station when there is no idle CO line.
11	Uncompleted Dial Error Tone	This is provided when station does not dial within inter-digit timer during dialing.
12	DOD Restriction Tone	This is provided when station dials the toll restriction digits.
13	Internal No-Answer Tone	This is provided when the called station does not answer within ‘Normal Call Ring Time’ of Ring Table.
14	External No-Answer Tone	This is provided when the called external user does not answer.
15	Internal Vacant Error Tone	This is provided when stations calls vacant number.
16	External Vacant Error one	This is provided when stations calls vacant external telephone number.
17	Call Duration Restriction Tone	Reserved

INDEX	TONE NAME	Description
18	Anonymous Call Restriction Tone	Reserved
19	Error Tone (All the other cases)	This is provided in all error cases
20	Relative Blocking	This is provided when station calls the blocked station.
21	Relative Line Lock Out	This is provided when station calls station hearing howling tone
22	Relative Do Not Disturb	This is provided when station calls station in DND.
23	Relative Absence	Reserved
24	Relative Out of Order	Reserved
25	External Relative Out of Order	Reserved
26	External Relative Outgoing Restriction	Reserved
27	Relative Hot Desk Logout	Reserved
28	Howling Tone	This is provided after error tone.
29	1st Ring Back Tone	This is provided when station calls another station.
30	2nd Ring Back Tone	Reserved
31	CO Ring Back Tone	This is provided to external caller if the incoming call is routed to the destination. And it is provided when station calls external call through CO line with 'Provided Ring Back Tone' in PGM 171.
32	Recall Ring Back Tone	Reserved
33	Zone Paging Call Ring Back Tone	This is provided when station makes a paging.
34	Command Call Ring Back Tone	This is provided when station makes a command conference group call
35	Alert Message Wait	This is provided when station goes offhook if message is left
36	Alert Do not Disturb	This is provided when station goes offhook if DND is set
37	Alert Call Forward	This is provided when station goes offhook if Call Forward is set
38	Alert Absence	This is provided when station goes offhook if pre-selected message is set
39	Camp on Alarm	This is provided to station if camp-on is requested.
40	Conference Alarm	This is provided to station if station makes conference call
41	Conference Join	This is provided when station adds conference member
42	Call Wait Alarm	This is provided to station if call-wait is requested.
43	Break In Alarm	Reserved
44	Conference Room In	This is provided when station enters conference room
45	Conference Room Out	This is provided when conference member is deleted.
46	Call Duration Restriction Alarm	This is provided to station with CDR disconnection indication before the forced disconnection.
47	Confirm Tone	This is confirmation tone
48	Single Error Tone	This is provided when stations dials wrong input during programming.
49	Transfer Hold Tone	This is provided to the external user when he is transferred
50	Transfer Hold Tone (Station)	This is provided to the station when he is transferred
51	Camp On Hold Tone (CO)	This is provided to the external user when he is camped on
52	Camp On Hold Tone (Station)	This is provided to the station when he is camped on
53	Call Wait Hold Tone (CO)	This is provided to the external user when he is waited
54	Call Wait Hold Tone (Station)	This is provided to the station when he is waited
55	Normal Hold Tone (CO)	This is provided to the external user in hold
56	Normal Hold Tone (Station)	This is provided to station in hold
57	Normal Hold Tone (Attendant)	Reserved
58	Call Park Hold Tone	This is provided to the external user in parked
59	Call Park Hold Tone (Station)	This is provided to the station in parked
60	IC Auto Hold Tone	This is provided when conference member is held.
61	IC Auto Hold Tone (Attendant)	Reserved
62	Command Call Answer Tone	Reserved

INDEX	TONE NAME	Description
63	R2 Normal Outgoing Tone	Reserved
64	R2 Off-net Call Forward Tone	Reserved
65	Wake-up Answer Tone	This is provided when station answers wake-up ring
66	Service Set Tone	This is provided when station sets programming
67	DISA Retry Tone	This is provided as DISA retry tone when external user dials wrong digits
68	ICLID Restrict Tone	Reserved
69	Auto Call Answer Alert Tone	This is provided when station is connected with station in handsfree
70	VM Interaction Confirm Tone	This is provided when station records his call through USB module.
71	Authorization Code Dial Tone	This is provided when station is requested auth code dial at the call forward assign, walking co and so on.
72	Tenant Dial Tone	Reserved
73	Two-way Record Warning Tone	This is provided to the associate party when station starts call recording

2.3.9 Board Data -PGM Codes 300-305

2.3.9.1 ISDN Board Attribute - PGM Code 300

PRIB, BRIB, E1R2 boards have some attributes which can be programmed by the Administrator.

PROCEDURE	
ISDN BOARD ATTRIBUTES **ENTER SLOT NO (02-18)**	1 Press the **[PGM]** button and dial 300.
SLOT 03 ISDN BOARD ATTR **PRESS FLEX KEY (1 – 3)**	2. Enter ISDN slot number with 2 digits.
Refer to the following table **DISPLAY**	3. Press the Flex button 1-8 for the desired setting (refer to Table); use the dial pad to enter the required data.
	4. Press the **[SAVE]** button to store the new data.

Table 2.3.9.1-1 ISDN BOARD ATTRIBUTE (PGM 300)

BUTTON	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**SLOT 03 CRC CHECK** **(1:EN/0:DIS): ENABLE**	Enable CRC check.	0: Disable 1: Enable	1
2	**SLOT 03 NT/TE MODE** **(1:NT/:0:TE): TE**	NT/TE mode – After change, the board is automatically restarted.	0: TE 1: NT	0
3	**SLOT 03/PORT1 TEI MODE** **(1:AUTO/0:FIXED) :AUTO**	TEI mode of BRIB Port 1	0: Fixed 1: Auto	Auto
4	**SLOT 03/PORT2 TEI MODE** **(1:AUTO/0:FIXED) :AUTO**	TEI mode of BRIB Port 2	0: Fixed 1: Auto	Auto
5	**SLOT 03/PORT3 TEI MODE** **(1:AUTO/0:FIXED) :AUTO**	TEI mode of BRIB Port 3	0: Fixed 1: Auto	Auto
6	**SLOT 03/PORT4 TEI MODE** **(1:AUTO/0:FIXED) :AUTO**	TEI mode of BRIB Port 4	0: Fixed 1: Auto	Auto

2.3.9.2 ISDN Board– Clock Priority –PGM Code 301

In the iPECS-MG System, Clock synchronization is controlled by the pre-programmed ISDN Clock priority. The first ISDN board becomes the Clock Master board, and if some error occurs to the Clock Master board, the next board automatically takes on the role as Clock Master. After the original master board recovers, the Clock Master board is changed again. If there is no available ISDN board to become a Clock Master board, the System is synchronized with the internal clock.

PROCEDURE:	
ISDN BRD CLOCK PRIORITY **03 04 05 .. ..**	1. Press the **[PGM]** button and dial 301.
	2. Use the dial-pad to enter the desired Slot Numbers.
	3. Press the **[SAVE]** button to store the new data.

2.3.9.3 IPP Board Attribute – PGM Code 305

The VOIB, and VMIB boards have some attributes that can be programmed by the Administrator.

PROCEDURE	
IPP BOARD ATTRIBUTES **ENTER SLOT NO (02-18)**	1. Press the **[PGM]** button and dial 305.
SLOT 03 IPP BOARD ATTR **PRESS FLEX KEY (1 – 6)**	2. Enter desired Slot Number with 2 digits.
Refer to Table **DISPLAY**	3. Press the Flex 1-6 for the desired setting (refer to Table). 4. Use the dial-pad to enter the required data.
	5. Press the **[SAVE]** button to store the new data.

Table 2.3.9.3-1 IPP BOARD ATTRIBUTE (PGM 305)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**IP ADDR(SKIP:#)** **10 . 10 . 10 . 3**	IP Address of selected slot.	IP Address	10. 10. 10. # (# : slot number)
2	**ROUTER IP ADDR(SKIP:#)** **0 . 0 . 0 . 0**	Router IP Address of selected slot.	IP Address	0.0.0.0
3	**SUBNET MASK(SKIP:#)** **255 .255.255.0**	Subnet Mask of selected slot.	IP Address	255.255.255.0
4	**DHCP USAGE** **(1:ON/:0:OFF) : OFF**	DHCP Usage	0: OFF 1: ON	OFF
5	**T38 USAGE** **(1:ON/:0:OFF) : OFF**	T38 Usage	0: OFF 1: ON	OFF
6	**RTP SECURITY** **(1:ON/0:OFF) : OFF**	RTP Security Usage	0: OFF 1: ON	OFF
7	**VLAN** **(0000-4096)**	VLan	0000-4096	None
8	**PRIORITY** **(0-7) : 0**	Priority	0-7	0
9	**DIFFSERV** **(00-63) : 00**	Diffserv	00-63	0

2.3.10 Networking Data – PGM Codes 320-321

2.3.10.1 Net Basic Attribute -PGM Code 320

The Network Basic Attributes are displayed and Table 2.3.10.1-1 provides general descriptive information and input ranges.

PROCEDURE	
NET BASIC ATTRIBUTE **PRESS FLEX KEY (1-10)**	1. Press the **[PGM]** button and dial 320.
Refer to Table) **DISPLAY**	2. Press the Flex 1-10 for the desired setting (refer to Table).
	3. Use the dial-pad to enter the required data.
	4. Press the **[SAVE]** button to store the new data.

Table 2.3.10.1-1 NET BASIC ATTRIBUTE (PGM 320)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	NET ENABLE (1:ON/0:OFF): OFF	Enable Networking function	0: OFF 1: ON	0
2	NET CNIP ENABLE (1:ON/0:OFF): ON	The name of the calling station is sent to the called System between iPECS systems. CNIP is displayed at the called party Stations display based on the programming.	0: OFF 1: ON	1
3	NET CONP ENABLE (1:ON/0:OFF): OFF	Reserved for future usage.	0: OFF 1: ON	0
4	NET SIGNAL METHOD (0-1): FACILITY	Select the information element type for QSIG supplementary service message.	0: UUS 1: FAC	1
5	NET CC RETAIN (1:ON/0:OFF) : OFF	If this value is set to ON, the signaling of call completion retain mode is executed. Used for networking supplementary signaling type of the call completion.	0: OFF 1: ON	OFF
6	BLF USAGE (1:ON/0:OFF) : OFF	Used to set Networking BLF service	0: OFF 1: ON	OFF
7	TCP PORT FOR BLF (9000-9999): 9000	TCP Port for sending BLF message to BLF Manager.	9000-9999	9000
8	UDP PORT FOR BLF (9000-9999): 9001	UDP Port for sending BLF message to BLF Manager.	9000-9999	9001
9	DURATION OF BLF STS (01-99): 10(sec)	Duration for sending the BLF status message to the BLF Server.	01-99	10
10	BLF MANAGER IP 0. 0. 0. 0	IP Address of BLF Server used only when iPECS-MG is configured with LDK/iPECS systems for Voce Networking (Reserved).		0.0.0.0

2.3.10.2 NET Numbering Plan Table –PGM Code 321

PROCEDURE:	
NET NUM PLAN TABLE ENTER BIN NO (001-250)	1. Press the **[PGM]** button and dial 321.
001 NET NUM PLAN TBL PRESS FLEX KEY (1-10)	2. Use the dial-pad to enter the 3-digit Table index (bin) number, 001 ~ 250.
Refer to the following table DISPLAY	3. Press the Flex button, 1~10 for the desired setting, refer to following table.
	4. Use the dial-pad to enter the required data, refer to the following table.
	5. Press the **[SAVE]** button to store the new data.

Table 2.3.10.2-1 NETWORK NUMBERING PLAN (PGM 321)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	001 NUMBER TYPE (0-1): NET	Select Number Type	0:NET 1:TRANSIT	NET
2	001 NUM PLAN CODE	'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	8digits	.
3	001 CO GROUP NO (01-72) : ..	CO Group Number	01-72	
4	001 AND DIGIT	AND(Automatic Network Dialing) Digit	10 digits	
5	001 DIGIT REPEAT (1:On/0:OFF) : OFF	Determine if AND digit is included in the SETUP message or not.	1: ON 0:OFF	OFF
6	001 DIGIT SENDING (0-1) : OVERLAP	Select digit sending mode (Overlap or Enblock)	1: Enblock 0:Overlap	OVERLAP
7	001 VOIP CPN INFO PRESS FLEX (1-4)	1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4		
8	001 BLF SYSTEM IP 0. 0. 0. 0	IP Address of BLF Server used only when iPECS is configured with LDK systems for Voice Networking		0.0.0.0
9	001 BLF SYSTEM PORT (0000-9999) : 9500	UDP port for sending BLF message to BLF Manager.		9500
10	FIREWALL ROUTING (1:ON/0:OFF) : OFF	Select IP address (Firewall IP address or Non-firewall IP address). If the destination system is in same VPN then Non-firewall IP address should be sent. Otherwise the firewall IP address should be sent. ON: Send firewall IP address OFF: Send Non-firewall(Internal) IP address	0: OFF 1: ON	ON

2.3.11 TNET, Centralized Networking -PGM Codes 330-335

In a Centralized Control TNET (Transparent Networking), remote devices may be registered to a Central MFIM (CM) and to a Local MFIM (LM). In this way, the CM maintains control of the remote device. Should the WAN connection between a LM and CM fail (2 sec. polling error), the LM will initiate operational control of the locally registered devices. Calls between the systems (CM & LM) can automatically shift to PSTN Modules registered with the LM for Fail-over operation. The configuration and characteristics of LMs and CM are configurable as is Fail-over operation.

2.3.11.1 TNET Basic Attributes -PGM Code 330

Each MFIM in a Central Control network environment must be enabled for TNET operation in order to function as part of the network.

PROCEDURE:	
TNET BASIC ATTRIBUTES **PRESS FLEX KEY (1 – 1)**	1. Press the **[PGM]** button and dial 330.
TNET ENABLE **(1:ON/0:OFF): OFF**	2. Press Flex 1.
	3. Use the dial-pad to enable or disable TNET, Central Control networking.
	4. Press the **[SAVE]** button to store the new data.

Table 2.3.11.1-1 TNET BASIC ATTRIBUTE (PGM 330)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	TNET ENABLE (1:ON/0:OFF): OFF	Enable T-NET function	0: OFF 1: ON	0

2.3.11.2 TNET CM Attributes -PGM Code 331

Each LM (Local MFIM), which is part of a Central Control Network, must be defined with the IP Address of the CM (Central MFIM) as well as the LM configuration data that will be sent to the CM at the time the LM registers with the CM. The port counts define the ports, which are allocated in the CM database for use by devices registered to the LM. The number of ports defined in the database of each LM must be equal or less than the ports defined in the CM for the LM (refer to PGM 332), in order to register properly.

PROCEDURE:	
TNET CM ATTRIBUTES **PRESS FLEX KEY (1 – 6)**	1. Press the **[PGM]** button and dial 331.
Refer to Table **DISPLAY**	2. Press the Flex button, 1-6 for the desired setting (refer to Table)
	3. Use the dial-pad to enter the required data (refer to Table).
	4. Press the **[SAVE]** button to store the new data.

Table 2.3.11.2-1 TNET CM ATTRIBUTES (PGM 331)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CM REGISTER REQ (1:ON/0:OFF): ON	Determines if the LM will attempt registration with the CM; must be set to ON for proper registration.	0: OFF 1: ON	1
2	CM IP ADDRESS xxx.xxx.xxx.xxx	This field defines the IP address of the CM that will be used by the LM.	IPv4 address	0.0.0.0
3	CM IPKTS PORT (0001 - 9999):5588	In the TNET environment, the IP KTS protocol signaling UDP port is defined; at present, this field is not used, do not change this port number.	0001-9999	5588
4	CM TOTAL PORT (000 – 999): 011	Determines if the total number of Ports the LM will request will be allocated by the CM for devices attached to the LM; this value must be equal to or less than the port count in the CM for the LM devices.	000-999	000
5	POLLING COUNT (00 – 99): 05	This field defines the maximum polling failures an LM considers a WAN fault.	00-99	05
6	POLLING INTERVAL (00 – 99): 02	This field defines the interval time between LM to CM polling attempts.	00-99	02

2.3.11.3 FoPSTN Attributes –PGM Code 333

The Fail-over function allows the systems in a Centralized Control network (TNET) environment to complete calls from System to System over a PSTN (analog or digital) line should the WAN connection to the CM fail. A CO gateway Module must be registered to the LM for local control and access to CO services. Users may call others in the normal manner and the call is routed over CO facilities to the remote CM. When calls are directed to a DID line at the receiving system, the system will select a line from the assigned CO Group and dial the Tel Number with the station number dialed as the trailing digits.

PROCEDURE:	
FoPSTN ATTRIBUTES **PRESS FLEX KEY (1–3)**	1. Press the **[PGM]** button and dial 333.
Refer to Table **DISPLAY**	2. Press the Flex 1-3 for the desired setting (refer to Table). - Flex 1: Enable or disable FO. - Flex 2: Press the **[SAVE]** button to reset the FO table. - Flex 3: dial the Table bin number to input data.
	3. For Flex 3, use the dial-pad to enter the required data (refer to Table).
	4. Press the **[SAVE]** button to store the new data.

Table 2.3.11.3-1 FAIL-OVER ATTRIBUTES (PGM 333)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	ENABLE FoPSTN (1:ON/0:OFF): OFF	Determines if Fail-over operation is enabled or disabled from the CM or LM.	0: OFF 1: ON	-

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	INIT FoPSTN TABLE PRESS [SAVE] KEY	Determines how to initialize the FO table.		
3	FoPSTN ATTRIBUTES ENTER BIN NO(001-200)		1-100 (MG-100 1-200 (MG-300)	
3-1	FoPSTN 001 NUM PLAN Xxxxxxxx	Station numbers associated with the remote System.	Max 16	
3-2	FoPSTN 001 CO GROUP GRP NO (01-72): 01	Determines the CO Group of the Local System that will be used to place calls to the stations entered in the FO Numbering Plan, should a WAN failure occur.	1-24 (MG-100 1-72 (MG-300)	
3-3	FoPSTN 001 TEL NUMBER xxxxxxxxxxxxxxxxxx	Determines the telephone number the System should dial to place a call to the Stations entered in the FO Numbering Plan, should WAN failure occur.	Max 10	

2.3.11.4 Board TNET Attributes -PGM Code 334

When a board or iPECS-gateway module is to be connected in a Centralized Control network (TNET), the TNET operation of board or iPECS-gateway module can be enabled or disabled.

PROCEDURE:	
BOARD TNET ATTRIBUTES ENTER SLOT NO (02-56)	1. Press the **[PGM]** button and dial 334.
SLOT 02 TNET ENABLE (1:ON/0:OFF): OFF	2. Enter Slot No.
	3. Use the dial-pad to enable or disable TNET, Central Control networking.
	4. Press the **[SAVE]** button to store the new data.

2.3.11.5 IP Phone TNET Attributes – PGM Code 335

When an IP-Phone is to be connected in a Centralized Control network (TNET), the TNET operation of the IP-Phone can be enabled or disabled.

PROCEDURE:	
IP PHONE NET ENABLE ENTER BIN NO(001-324)	1. Press the **[PGM]** button and dial 335.
BIN 001 TNET ENABLE (1:ON/0:OFF) : OFF	2. Enter Bin No of IP Phone (001-108 for iPECS MG-100, 001-324 for iPECS-MG 300).
	3. Use the dial-pad to enable or disable TNET, Central Control networking.
	4. Press the **[SAVE]** button to store the new data.

2.3.12H.323 Data – PGM Codes 360-363

The MPB incorporates a 4-channel VoIU. The VOIB8 provides up to eight (8) VoIP channels and the VOIB24 provides up to 24 VOIP channels. These VOIP channels are used for Distributed Networking, access to SIP or H.323 networks and for remote iPECS devices.

When VOIP channels are used for H.323 Calls, the following items should be assigned.

2.3.12.1 H.323 Routing Attributes – PGM Code 360

To make a direct H.323, the System assigns an unique number to each H323 IP-Address; direct H.323 can be made by dialing the assigned number.

PROCEDURE:	
H.323 ROUTING ATTR **ENTER CO GRP NUMBER**	1. Press the **[PGM]** button and dial 360.
	2. Enter the CO Group Number.
H.323 ROUTING ATTR **ENTER ROUTE PREFIX(01-50)**	3. Enter the Prefix bin no (01-50).
GROUP 01 ATTR **PRESS FLEX KEY (1-2)**	4. Press Flex 1 or 2, and dial the desired data.
	5. Press the **[SAVE]** button to store the new data.

Table 2.3.12.1-1 H.323 ROUTING ATTR (PGM 360)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	01 DIGIT(1) ……	Destination numbers associated with the H.323 routing system.	MAX 8 digits	
2	DEST IP ADDR 0. 0. 0. 0	Destination IP address associated with the H.323 routing system.		0.0.0.0

2.3.12.2H323 Call Setup Info. -PGM Code 361

When the Standard H.323 VoIP protocol is employed for an external VoIP call, several attributes of these channels can be assigned. The H.323 Call Set-up mode and tunneling (H.245 Encapsulation) can be established. Also for H.323 support, a Registration, Admissions and Status (RAS) channel can be defined. The RAS channel IP addresses (uni-cast and multi-cast) as well as the IP port Numbering Plan and other H.323 set-up characteristics are defined.

H323 Call Set-up allows configuring the IP TOS bit for Diffserv, a commonly recognized packet prioritization protocol. Higher priority packets are given priority in the Router or Layer 3 Switch queue. However, they are the first to be discarded in the event of long queue delays, which may cause excess packet loss and poor voice quality (refer to Table for a description of the features

and the input required).

PROCEDURE:	
H.323 CALL SETUP INFO ENTER CO GRP NUMBER	1. Press the **[PGM]** button and dial 361.
GROUP 02 ATTR PRESS FLEX KEY (1-9)	2. Use the dial pad to enter the CO group number
Refer to Table DISPLAY	3. Press the desired Flex button (refer to Table).
	4. Use the dial pad to enter the desired data (refer to Table).
	5. Press the **[SAVE]** button to store the data entry.

Table 2.3.12.2-1 H.323 VOIP ATTRIBUTES (PGM 361)

BUTTON	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SETUP MODE (1:FAST/0:NOR): FAST	H.323 IP calls can be set-up using the H.323 Normal or Fast Start mode.	0: Normal 1: Fast mode	1
2	TUNNEL MODE (1:ON/0:OFF): OFF	H.323 IP calls can be set-up using the H.245 Encapsulation (Tunneling).	0: OFF 1: ON	1
3	DTMF SEND MODE (0-2) INBAND	During a connection, DTMF digits can be sent In-band or Out of band (H.245).	0: Inband 1: RFC2833 2:out	0
4	DIFF SERV (00-63): 04	Diffserv pre-tagging for Voice packet. NOTE: High values may cause high packet discard levels.	0-63	4
5	G.711A CODEC (1:USE/0:N-USE): OFF	Usage of G.711A Codec Type.	0: NOT USE 1: USE	1
6	G.711U CODEC (1:USE/0:N-USE): OFF	Usage of G.711U Codec Type.	0: NOT USE 1: USE	0
7	G.729 CODEC (1:USE/0:N-USE): OFF	Usage of G.729 Codec Type.	0: NOT USE 1: USE	0
8	G.723.1 CODEC (1:USE/0:N-USE): OFF	Usage of G.723.1 Codec Type.	0: NOT USE 1: USE	0
9	GK USED (1:ON/0:OFF): OFF	Used to determine if Gatekeeper will be used.	0: OFF 1: ON	0

2.3.12.3 H.323 Incoming Attributes –PGM Code 362

To get the direct H.323, the From IP-Address and the CO Group number to be routed should be assigned.

PROCEDURE:	
H.323 INCOMING ATTR ENTER BIN NO(01-50)	1. Press the **[PGM]** button and dial 362.
H.323 INCOMING ATTR 01 PRESS FLEX_KEY (1-2)	2. Enter Bin Number.

	3. Press the desired Flex button and enter the appropriate data.
	4. Press the **[SAVE]** button to store the new data.

Table 2.3.12.3-1 H.323 ROUTING ATTRIBUTES (PGM 362)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	FROM IP 0. 0. 0. 0	IP address associated with H.323 incoming calls.		0.0.0.0
2	INCOMING CO GRP NUM (01-72): ..	CO group number associated with H.323 incoming calls.	01-72	

2.3.12.4 GK Setup Info. – PGM Code 363

PROCEDURE:	
GK SETUP INFO PRESS FLEX_KEY(1-9)	1. Press the **[PGM]** button and dial 363.
	2. Press the desired Flex button, refer to the following Table.
	3. Press the **[SAVE]** button to store the new data.

Table 2.3.12.4-1 GK SETUP INFO (PGM 363)

BTN	DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	GK USAGE (1:ON/0:OFF) : OFF	Determines if MPB will be used as a GateKeeper.	0: OFF 1: ON	0
2	LIGHT RRQ USAGE (1:ON/0:OFF) : OFF	The System can be set to use the simple Registration Request (RRQ) message (ON) or the full RRQ message (OFF).	0: OFF 1: ON	0
3	MULTI GK IP 0. 0. 0. 0	Multi-cast IP address for RAS Information of Gatekeeper.	IP Address	0.0.0.0
4	MULTI GK PORT (0000-9999) : 0000	Multi-cast IP Port for RAS Information of Gatekeeper.	IP Port # (0-9999)	0
5	UNI GK IP 0. 0. 0. 0	Uni-cast IP address for RAS Information of Gatekeeper.	IP Address	0.0.0.0
6	UNI GK PORT (0000-9999) : 1719	Uni-cast IP Port for RAS Information of Gatekeeper.	IP Port # (0-9999)	1719
7	KEEP ALIVE TIME(SEC) (0001-1000): 0120	The System will cycle a polling message at the culmination of the KEEP ALIVE TIME (sec.) to verify the status of the connection.	1-1000	120
8	GATEWAY PREFIX	The Numbering Plan for Calling Number in RAS Setup.	MAX 25 Digits	
9	H.323 GATEWAY ID	The GateKeeper ID (Keyset Admin=up to 24 digits can be checked or programmed).	MAX 129 Digits	

2.3.13 Gain & Cadence Control – PGM Codes 400-440

2.3.13.1 DKT RX Gain -PGM Code 400

The RX gain of DKT can be adjusted (refer to Table for setting values).

PROCEDURE:	
DKT RX GAIN **PRESS FLEX_KEY (01-10)**	1. Press the **[PGM]** button and dial 400.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.14.1-1 DKT RX GAIN (PGM 400)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**DKT RX GAIN** **DKT<-DKT:26(00-63)**	DKT RX gain from DKT	0-63	26
2	**DKT RX GAIN** **DKT<-SLT:22(00-63)**	DKT RX gain from SLT	0-63	22
3	**DKT RX GAIN** **DKT<-DECT:26(00-63)**	DKT RX gain from DECT	0-63	26
4	**DKT RX GAIN** **DKT<-IPDEV:26(00-63)**	DKT RX gain from IPDEV	0-63	26
5	**DKT RX GAIN** **DKT<-ACO:26(00-63)**	DKT RX gain from Analog CO	0-63	26
6	**DKT RX GAIN** **DKT<-DCO:33(00-63)**	DKT RX gain from Digital CO	0-63	33
7	**DKT RX GAIN** **DKT<-VMIB:29(00-63)**	DKT RX gain from VMIB	0-63	29
8	**DKT RX GAIN** **DKT<-DTMF:08(00-63)**	DKT RX gain from DTMF	0-63	08
9	**DKT RX GAIN** **DKT<-TONE:32(00-63)**	DKT RX gain from TONE	0-63	32
10	**DKT RX GAIN** **DKT<-MUSIC:29(00-3)**	DKT RX gain from MUSIC	0-63	29

2.3.13.2 SLT RX Gain – PGM Code 401

The RX gain of SLT can be adjusted (refer to Table for setting values).

PROCEDURE:	
SLT RX GAIN **PRESS FLEX_KEY (01-10)**	1. Press the **[PGM]** button and dial 401.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.2-1 SLT RX GAIN (PGM 401)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SLT RX GAIN SLT<-DKT:32(00-63)	SLT RX gain from DKT	0-63	32
2	SLT RX GAIN SLT<-SLT:32(00-63)	SLT RX gain from SLT	0-63	32
3	SLT RX GAIN SLT<-DECT:32(00-63)	SLT RX gain from DECT	0-63	32
4	SLT RX GAIN SLT<-IPDEV:33(00-63)	SLT RX gain from IPDEV	0-63	33
5	SLT RX GAIN SLT<-ACO:32(00-63)	SLT RX gain from Analog CO	0-63	32
6	SLT RX GAIN SLT<-DCO:44(00-63)	SLT RX gain from Digital CO	0-63	44
7	SLT RX GAIN SLT<-VMIB:40(00-63)	SLT RX gain from VMIB	0-63	40
8	SLT RX GAIN SLT<-DTMF:28(00-63)	SLT RX gain from DTMF	0-63	28
9	SLT RX GAIN SLT<-TONE:38(00-63)	SLT RX gain from TONE	0-63	38
10	SLT RX GAIN SLT<-MUSIC:40(00-3)	SLT RX gain from MUSIC	0-63	40

2.3.13.3 DECT RX Gain – PGM Code 402

The RX gain of DECT can be adjusted (refer to Table for setting values).

PROCEDURE:	
DECT RX GAIN PRESS FLEX_KEY (01-10)	1. Press the **[PGM]** button and dial 402.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.3-1 DECT RX GAIN (PGM 402)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DECT RX GAIN DECT<-DKT:26(00-63)	DECT RX gain from DKT	0-63	26
2	DECT RX GAIN DECT<-SLT:33(00-63)	DECT RX gain from SLT	0-63	33
3	DECT RX GAIN DECT<-DECT:26(00-63)	DECT RX gain from DECT	0-63	26
4	DECT RX GAIN DECT<-IPDEV:26(00-63)	DECT RX gain from IPDEV	0-63	26
5	DECT RX GAIN DECT<-ACO:38(00-63)	DECT RX gain from Analog CO	0-63	38
6	DECT RX GAIN DECT<-DCO:33(00-63)	DECT RX gain from Digital CO	0-63	33
7	DECT RX GAIN DECT<-VMIB:29(00-63)	DECT RX gain from VMIB	0-63	29
8	DECT RX GAIN DECT<-DTMF:08(00-63)	DECT RX gain from DTMF	0-63	8
9	DECT RX GAIN DECT<-TONE:37(00-63)	DECT RX gain from TONE	0-63	37
10	DECT RX GAIN DECT<-MUSIC:29(00-3)	DECT RX gain from MUSIC	0-63	29

2.3.13.4 IP-PHONE RX Gain – PGM Code 403

The RX gain of IP-Phone can be adjusted.

PROCEDURE:	
IP-PHONE RX GAIN PRESS FLEX_KEY (01-10)	1. Press the **[PGM]** button and dial 403.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table.
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.4-1 IP-PHONE RX GAIN (PGM 403)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	IP-PHONE RX GAIN IPDEV<-DKT:26(00-63)	IP-PHONE RX gain from DKT	0-63	26
2	IP-PHONE RX GAIN IPDEV<-SLT:33(00-63)	IP-PHONE RX gain from SLT	0-63	33
3	IP-PHONE RX GAIN IPDEV<-DECT:26(00-63)	IP-PHONE RX gain from DECT	0-63	26
4	IP-PHONE RX GAIN IPDEV<-IPDEV:26(00-63)	IP-PHONE RX gain from IP-PHONE	0-63	26
5	IP-PHONE RX GAIN IPDEV<-ACO:33(00-63)	IP-PHONE RX gain from Analog CO	0-63	33
6	IP-PHONE RX GAIN IPDEV<-DCO:33(00-63)	IP-PHONE RX gain from Digital CO	0-63	33
7	IP-PHONE RX GAIN IPDEV<-VMIB:29(00-63)	IP-PHONE RX gain from VMIB	0-63	29
8	IP-PHONE RX GAIN IPDEV<-DTMF:08(00-63)	IP-PHONE RX gain from DTMF	0-63	8
9	IP-PHONE RX GAIN IPDEV<-TONE:32(00-63)	IP-PHONE RX gain from TONE	0-63	32
10	IP-PHONE RX GAIN IPDEV<-MUSIC:29(00-3)	IP-PHONE RX gain from MUSIC	0-63	29

2.3.13.5 ANALOG CO RX Gain – PGM Code 404

The RX gain of Analog CO can be adjusted.

PROCEDURE:	
ACO RX GAIN PRESS FLEX_KEY (01-10)	1. Press the **[PGM]** button and dial 404.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.5-1 ACO RX GAIN (PGM 404)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	ACO RX GAIN ACO<-DKT:40(00-63)	ACO RX gain from DKT	0-63	40
2	ACO RX GAIN ACO<-SLT:32(00-63)	ACO RX gain from SLT	0-63	32
3	ACO RX GAIN ACO<-DECT:31(00-63)	ACO RX gain from DECT	0-63	31
4	ACO RX GAIN ACO<-IPDEV:33(00-63)	ACO RX gain from IPDEV	0-63	33
5	ACO RX GAIN ACO<-ACO:32(00-63)	ACO RX gain from Analog CO	0-63	32
6	ACO RX GAIN ACO<-DCO:38(00-63)	ACO RX gain from Digital CO	0-63	38
7	ACO RX GAIN ACO<-VMIB:37(00-63)	ACO RX gain from VMIB	0-63	37
8	ACO RX GAIN ACO<-DTMF:42(00-63)	ACO RX gain from DTMF	0-63	42
9	ACO RX GAIN ACO<-TONE:37(00-63)	ACO RX gain from TONE	0-63	37
10	ACO RX GAIN ACO<-MUSIC:37(00-3)	ACO RX gain from MUSIC	0-63	37

2.3.13.6 DIGITAL CO RX Gain -PGM Code 405

The RX gain of Digital CO can be adjusted.

PROCEDURE:	
DCO RX GAIN **PRESS FLEX_KEY (01-10)**	1. Press the **[PGM]** button and dial 404.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table.)
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.14.6-1 DCO RX GAIN (PGM 405)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**DCO RX GAIN** **DCO<-DKT:26(00-63)**	DCO RX gain from DKT	0-63	26
2	**DCO RX GAIN** **DCO<-SLT:26(00-63)**	DCO RX gain from SLT	0-63	26
3	**DCO RX GAIN** **DCO<-DECT:26(00-63)**	DCO RX gain from DECT	0-63	26
4	**DCO RX GAIN** **DCO<-IPDEV:33(00-63)**	DCO RX gain from IPDEV	0-63	33
5	**DCO RX GAIN** **DCO<-ACO:15(00-63)**	DCO RX gain from Analog CO	0-63	15
6	**DCO RX GAIN** **DCO<-DCO:32(00-63)**	DCO RX gain from Digital CO	0-63	32
7	**DCO RX GAIN** **DCO<-VMIB:32(00-63)**	DCO RX gain from VMIB	0-63	32
8	**DCO RX GAIN** **DCO<-DTMF:32(00-63)**	DCO RX gain from DTMF	0-63	32
9	**DCO RX GAIN** **DCO<-TONE:32(00-63)**	DCO RX gain from TONE	0-63	32
10	**DCO RX GAIN** **DCO<-MUSIC:32(00-3)**	DCO RX gain from MUSIC	0-63	32

2.3.13.7 VMIB RX Gain – PGM Code 406

The RX gain of VMIB can be adjusted.

PROCEDURE:	
VMIB RX GAIN **PRESS FLEX_KEY (01-10)**	1. Press the **[PGM]** button and dial 406.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.14.7-1 VMIB RX GAIN (PGM 406)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	VMIB RX GAIN VMIB<-DKT:26(00-63)	VMIB RX gain from DKT	0-63	26
2	VMIB RX GAIN VMIB<-SLT:29(00-63)	VMIB RX gain from SLT	0-63	29
3	VMIB RX GAIN VMIB<-DECT:23(00-63)	VMIB RX gain from DECT	0-63	23
4	VMIB RX GAIN VMIB<-IPDEV:32(00-63)	VMIB RX gain from IPDEV	0-63	32
5	VMIB RX GAIN VMIB<-ACO:32(00-63)	VMIB RX gain from Analog CO	0-63	32
6	VMIB RX GAIN VMIB<-DCO:32(00-63)	VMIB RX gain from Digital CO	0-63	32
7	VMIB RX GAIN VMIB<-VMIB:32(00-63)	VMIB RX gain from VMIB	0-63	32
8	VMIB RX GAIN VMIB<-DTMF:32(00-63)	VMIB RX gain from DTMF	0-63	32
9	VMIB RX GAIN VMIB<-TONE:32(00-63)	VMIB RX gain from TONE	0-63	32
10	VMIB RX GAIN VMIB<-MUSIC:32(00-3)	VMIB RX gain from MUSIC	0-63	32

2.3.13.8 External Page RX Gain – PGM Code 407

The RX gain of External Page can be adjusted.

PROCEDURE:	
EXT PAGE RX GAIN PRESS FLEX_KEY (01-10)	1. Press the **[PGM]** button and dial 407.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.14.8-1 External PAGE RX GAIN (PGM 407)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	EXT PAGE RX GAIN E.PAGE<-DKT:26(00-63)	External PAGE RX gain from DKT	0-63	26
2	EXT PAGE RX GAIN E.PAGE<-SLT:26(00-63)	External PAGE RX gain from SLT	0-63	26
3	EXT PAGE RX GAIN E.PAGE<-DECT:26(00-63)	External PAGE RX gain from DECT	0-63	26
4	EXT PAGE RX GAIN E.PAGE<-IPDEV:32(00-63)	External PAGE RX gain from IPDEV	0-63	32
5	EXT PAGE RX GAIN E.PAGE<-ACO:28(00-63)	External PAGE RX gain from Analog CO	0-63	28
6	EXT PAGE RX GAIN E.PAGE<-DCO:37(00-63)	External PAGE RX gain from Digital CO	0-63	37
7	EXT PAGE RX GAIN E.PAGE<-VMIB:37(00-63)	External PAGE RX gain from VMIB	0-63	37
8	EXT PAGE RX GAIN E.PAGE<-DTMF:32(00-63)	External PAGE RX gain from DTMF	0-63	32
9	EXT PAGE RX GAIN E.PAGE<-TONE:32(00-63)	External PAGE RX gain from TONE	0-63	32
10	EXT PAGE RX GAIN E.PAGE<-MUSIC:32(00-3)	External PAGE RX gain from MUSIC	0-63	32

2.3.13.9 DSP RX Gain – PGM Code 415

The RX gain of DSP can be adjusted (refer to Table for setting values).

PROCEDURE:	
DSP RX GAIN **PRESS FLEX_KEY (1-8)**	1. Press the **[PGM]** button and dial 415.
	2. Press the desired Flex button (refer to Table).
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.14.9-1 DSP RX GAIN (PGM 415)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**DSP RX GAIN** **DSP<-DTMF/A:32(00-63)**	DSP RX gain from DTMF(A)	0-63	32
2	**DSP RX GAIN** **DSP<-DTMF/D:32(00-63)**	DSP RX gain from DTMF(D)	0-63	32
3	**DSP RX GAIN** **DSP<-CPT:32(00-63)**	DSP RX gain from CPT	0-63	32
4	**DSP RX GAIN** **DSP<-CID/FSK:32(00-63)**	DSP RX gain from CID(FSK)	0-63	32
5	**DSP RX GAIN** **DSP<-CID/D:32(00-63)**	DSP RX gain from CID(DTMF)	0-63	32
6	**DSP RX GAIN** **DSP<-CID/RSU:36(00-63)**	DSP RX gain from RCID	0-63	36
7	**DSP RX GAIN** **DSP<-SMS/TRK:32(00-63)**	DSP RX gain from SMS(ACO)	0-63	32
8	**DSP RX GAIN** **DSP<-SMS/SLT:32(00-63)**	DSP RX gain from SMS(SLT)	0-63	32

2.3.13.10 RTP RX Gain -PGM Codes 420-426

Each device can adjust its own RTP RX gain from other devices (refer to Table 2.3.14.10-1-7 for RTP RX gain adjustment of devices).

PROCEDURE:	
SLTM RX RTP GAIN **PRESS FLEX_KEY (1-7)**	1. Press the **[PGM]** button and dial. - 420: SLTM RX RTP GAIN - 421: DTIM(HS) RX RTP GAIN - 422: DTIM(HF) RX RTP GAIN - 423: IP-Phone(HS) RX RTP GAIN - 424: IP-Phone(HF) RX RTP GAIN - 425: WIT RX RTP GAIN - 426: VOIB RX RTP GAIN
	2. Press the desired Flex button (refer to Table 2.3.14.9-1 to 7).
	3. Use the dial-pad to enter the desired data for the attribute setting (refer to Table 2.3.14.9-1 to 7).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.1010-1 SLTM RX RTP GAIN (PGM 420)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**SLTM RX RTP GAIN** **SLTM<-SLTM:34(00-63)**	SLTM RX gain from STLM	0-63	34
2	**SLTM RX RTP GAIN** **SLTM<-DTIM-HS:34(00-63)**	SLTM RX gain from DTIM(HS)	0-63	34
3	**SLTM RX RTP GAIN** **SLTM<-DTIM-HF:34(00-63)**	SLTM RX gain from DTIM(HF)	0-63	34
4	**SLTM RX RTP GAIN** **SLTM<-LIP-HS:34(00-63)**	SLTM RX gain from IP-PHONE(HS)	0-63	34
5	**SLTM RX RTP GAIN** **SLTM<-LIP-HF:34(00-63)**	SLTM RX gain from IP-PHONE(HF)	0-63	34
6	**SLTM RX RTP GAIN** **SLTM<-WIT:34(00-63)**	SLTM RX gain from WIT	0-63	34
7	**SLTM RX RTP GAIN** **SLTM<-VOIB:34(00-63)**	SLTM RX gain from VOIB	0-63	34

Table 2.3.13.1010-2 DTIM(HS) RX RTP GAIN (PGM 421)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	**DTIM RX HS RTP GAIN** **DTIM-HS<-SLTM:34(00-63)**	DTIM(HS) RX gain from STLM	0-63	34

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	DTIM RX HS RTP GAIN DTIM-HS<-DTIM-HS:34(00-63)	DTIM(HS) RX gain from DTIM(HS)	0-63	34
3	DTIM RX HS RTP GAIN DTIM-HS<-DTIM-HF:34(00-63)	DTIM(HS) RX gain from DTIM(HF)	0-63	34
4	DTIM RX HS RTP GAIN DTIM-HS<-LIP-HS:34(00-63)	DTIM(HS) RX gain from IP-PHONE(HS)	0-63	34
5	DTIM RX HS RTP GAIN DTIM-HS<-LIP-HF:34(00-63)	DTIM(HS) RX gain from IP-PHONE(HF)	0-63	34
6	DTIM RX HS RTP GAIN DTIM-HS<-WIT:34(00-63)	DTIM(HS) RX gain from WIT	0-63	34
7	DTIM RX HS RTP GAIN DTIM-HS<-VOIB:34(00-63)	DTIM(HS) RX gain from VOIB	0-63	34

Table 2.3.13.1010-3 DTIM(HF) RX RTP GAIN (PGM 422)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DTIM RX HF RTP GAIN DTIM-HF<-SLTM:34(00-63)	DTIM(HF) RX gain from STLM	0-63	34
2	DTIM RX HF RTP GAIN DTIM-HF<-DTIM-HS:34(00-63)	DTIM(HF) RX gain from DTIM(HS)	0-63	34
3	DTIM RX HF RTP GAIN DTIM-HF<-DTIM-HF:34(00-63)	DTIM(HF) RX gain from DTIM(HF)	0-63	34
4	DTIM RX HF RTP GAIN DTIM-HF<-LIP-HS:34(00-63)	DTIM(HF) RX gain from IP-PHONE(HS)	0-63	34
5	DTIM RX HF RTP GAIN DTIM-HF<-LIP-HF:34(00-63)	DTIM(HF) RX gain from IP-PHONE(HF)	0-63	34
6	DTIM RX HF RTP GAIN DTIM-HF<-WIT:34(00-63)	DTIM(HF) RX gain from WIT	0-63	34
7	DTIM RX HF RTP GAIN DTIM-HF<-VOIB:34(00-63)	DTIM(HF) RX gain from VOIB	0-63	34

Table 2.3.13.1010-4 IP-PHONE(HS) RX RTP GAIN (PGM 423)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	LIP RX HS RTP GAIN LIP-HS<-SLTM:34(00-63)	IP-PHONE(HS) RX gain from STLM	0-63	34
2	LIP RX HS RTP GAIN LIP-HS<-DTIM-HS:34(00-63)	IP-PHONE (HS) RX gain from DTIM(HS)	0-63	34
3	LIP RX HS RTP GAIN LIP-HS<-DTIM-HF:34(00-63)	IP-PHONE (HS) RX gain from DTIM(HF)	0-63	34
4	LIP RX HS RTP GAIN LIP-HS<-LIP-HS:34(00-63)	IP-PHONE (HS) RX gain from IP-PHONE(HS)	0-63	34
5	LIP RX HS RTP GAIN LIP-HS<-LIP-HF:34(00-63)	IP-PHONE (HS) RX gain from IP-PHONE(HF)	0-63	34
6	LIP RX HS RTP GAIN LIP-HS<-WIT:34(00-63)	IP-PHONE (HS) RX gain from WIT	0-63	34
7	LIP RX HS RTP GAIN LIP-HS<-VOIB:34(00-63)	IP-PHONE (HS) RX gain from VOIB	0-63	34

Table 2.3.13.1010-5 IP-PHONE(HF) RX RTP GAIN (PGM 424)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	LIP RX HF RTP GAIN LIP-HF<-SLTM:34(00-63)	IP-PHONE(HF) RX gain from STLM	0-63	34
2	LIP RX HF RTP GAIN LIP-HF<-DTIM-HS:34(00-63)	IP-PHONE (HF) RX gain from DTIM(HS)	0-63	34
3	LIP RX HF RTP GAIN LIP-HF<-DTIM-HF:34(00-63)	IP-PHONE (HF) RX gain from DTIM(HF)	0-63	34
4	LIP RX HF RTP GAIN LIP-HF<-LIP-HS:34(00-63)	IP-PHONE (HF) RX gain from IP-PHONE(HS)	0-63	34
5	LIP RX HF RTP GAIN LIP-HF<-LIP-HF:34(00-63)	IP-PHONE (HF) RX gain from IP-PHONE(HF)	0-63	34
6	LIP RX HF RTP GAIN LIP-HF<-WIT:34(00-63)	IP-PHONE (HF) RX gain from WIT	0-63	34
7	LIP RX HF RTP GAIN LIP-HF<-VOIB:34(00-63)	IP-PHONE (HF) RX gain from VOIB	0-63	34

Table 2.3.13.1010-6 WIT RX RTP GAIN (PGM 425)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	WIT RX RTP GAIN WIT<-SLTM:34(00-63)	WIT RX gain from STLM	0-63	34
2	WIT RX RTP GAIN WIT<-DTIM-HS:34(00-63)	WIT RX gain from DTIM(HS)	0-63	34
3	WIT RX RTP GAIN WIT<-DTIM-HF:34(00-63)	WIT RX gain from DTIM(HF)	0-63	34
4	WIT RX RTP GAIN WIT<-LIP-HS:34(00-63)	WIT RX gain from IP-PHONE(HS)	0-63	34
5	WIT RX RTP GAIN WIT<-LIP-HF:34(00-63)	WIT RX gain from IP-PHONE(HF)	0-63	34
6	WIT RX RTP GAIN WIT<-WIT:34(00-63)	WIT RX gain from WIT	0-63	34
7	WIT RX RTP GAIN WIT<-VOIB:34(00-63)	WIT RX gain from VOIB	0-63	34

Table 2.3.13.1010-7 VOIB RX RTP GAIN (PGM 426)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	VOIB RX RTP GAIN VOIB<-SLTM:34(00-63)	VOIB RX gain from STLM	0-63	34
2	VOIB RX RTP GAIN VOIB<-DTIM-HS:34(00-63)	VOIB RX gain from DTIM(HS)	0-63	34
3	VOIB RX RTP GAIN VOIB<-DTIM-HF:34(00-63)	VOIB RX gain from DTIM(HF)	0-63	34
4	VOIB RX RTP GAIN VOIB<-LIP-HS:34(00-63)	VOIB RX gain from IP-PHONE(HS)	0-63	34
5	VOIB RX RTP GAIN VOIB<-LIP-HF:34(00-63)	VOIB RX gain from IP-PHONE(HF)	0-63	34
6	VOIB RX RTP GAIN VOIB<-WIT:34(00-63)	VOIB RX gain from WIT	0-63	34
7	VOIB RX RTP GAIN VOIB<-VOIB:34(00-63)	VOIB RX gain from VOIB	0-63	34

2.3.13.11 RTP TX Gain -PGM Codes 430-436

Each device can adjust its own RTP TX gain to another device (refer to Table 2.3.14.10-1 to 7 for RTP TX gain adjustment of devices.

PROCEDURE:	
SLTM TX RTP GAIN **PRESS FLEX_KEY (1-7)**	1. Press the **[PGM]** button and dial. - 430: SLTM TX RTP GAIN - 431: DTIM(HS) TX RTP GAIN - 432: DTIM(HF) TX RTP GAIN - 433: IP-Phone(HS) TX RTP GAIN - 434: IP-Phone(HF) TX RTP GAIN - 435: WIT TX RTP GAIN - 436: VOIB TX RTP GAIN
	2. Press the desired Flex button (refer to table 2.3.14.10-1 to 7)
	3. Use the dial-pad to enter desired data for the attribute setting (refer to Table 2.3.14.10-1 to 7).
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.111-1 SLTM TX RTP GAIN (PGM 430)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	SLTM TX RTP GAIN SLTM->SLTM:34(00-63)	SLTM TX gain to STLM	0-63	34
2	SLTM TX RTP GAIN SLTM->DTIM-HS:34(00-63)	SLTM TX gain to DTIM(HS)	0-63	34
3	SLTM TX RTP GAIN SLTM->DTIM-HF:34(00-63)	SLTM TX gain to DTIM(HF)	0-63	34
4	SLTM TX RTP GAIN SLTM->LIP-HS:34(00-63)	SLTM TX gain to IP-PHONE(HS)	0-63	34
5	SLTM TX RTP GAIN SLTM->LIP-HF:34(00-63)	SLTM TX gain to IP-PHONE(HF)	0-63	34
6	SLTM TX RTP GAIN SLTM->WIT:34(00-63)	SLTM TX gain to WIT	0-63	34
7	SLTM TX RTP GAIN SLTM->VOIB:34(00-63)	SLTM TX gain to VOIB	0-63	34

Table 2.3.13.11-2 DTIM(HS) TX RTP GAIN (PGM 431)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DTIM TX HS RTP GAIN DTIM-HS->SLTM:34(00-63)	DTIM(HS) TX gain to STLM	0-63	34

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
2	DTIM TX HS RTP GAIN DTIM-HS->DTIM-HS:34(00-63)	DTIM(HS) TX gain to DTIM(HS)	0-63	34
3	DTIM TX HS RTP GAIN DTIM-HS->DTIM-HF:34(00-63)	DTIM(HS) TX gain to DTIM(HF)	0-63	34
4	DTIM TX HS RTP GAIN DTIM-HS->LIP-HS:34(00-63)	DTIM(HS) TX gain to IP-PHONE(HS)	0-63	34
5	DTIM TX HS RTP GAIN DTIM-HS->LIP-HF:34(00-63)	DTIM(HS) TX gain to IP-PHONE(HF)	0-63	34
6	DTIM TX HS RTP GAIN DTIM-HS->WIT:34(00-63)	DTIM(HS) TX gain to WIT	0-63	34
7	DTIM TX HS RTP GAIN DTIM-HS->VOIB:34(00-63)	DTIM(HS) TX gain to VOIB	0-63	34

Table 2.3.13.11-3 DTIM(HF) TX RTP GAIN (PGM 432)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DTIM TX HF RTP GAIN DTIM-HF->SLTM:34(00-63)	DTIM(HF) TX gain to STLM	0-63	34
2	DTIM TX HF RTP GAIN DTIM-HF->DTIM-HS:34(00-63)	DTIM(HF) TX gain to DTIM(HS)	0-63	34
3	DTIM TX HF RTP GAIN DTIM-HF->DTIM-HF:34(00-63)	DTIM(HF) TX gain to DTIM(HF)	0-63	34
4	DTIM TX HF RTP GAIN DTIM-HF->LIP-HS:34(00-63)	DTIM(HF) TX gain to IP-PHONE(HS)	0-63	34
5	DTIM TX HF RTP GAIN DTIM-HF->LIP-HF:34(00-63)	DTIM(HF) TX gain to IP-PHONE(HF)	0-63	34
6	DTIM TX HF RTP GAIN DTIM-HF->WIT:34(00-63)	DTIM(HF) TX gain to WIT	0-63	34
7	DTIM TX HF RTP GAIN DTIM-HF->VOIB:34(00-63)	DTIM(HF) TX gain to VOIB	0-63	34

Table 2.3.13.11-4 IP-PHONE(HS) TX RTP GAIN (PGM 433)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	LIP TX HS RTP GAIN LIP-HS->SLTM:34(00-63)	IP-PHONE(HS) TX gain to STLM	0-63	34
2	LIP TX HS RTP GAIN LIP-HS->DTIM-HS:34(00-63)	IP-PHONE (HS) TX gain to DTIM(HS)	0-63	34
3	LIP TX HS RTP GAIN LIP-HS->DTIM-HF:34(00-63)	IP-PHONE (HS) TX gain to DTIM(HF)	0-63	34
4	LIP TX HS RTP GAIN LIP-HS->LIP-HS:34(00-63)	IP-PHONE (HS) TX gain to IP-PHONE(HS)	0-63	34
5	LIP TX HS RTP GAIN LIP-HS->LIP-HF:34(00-63)	IP-PHONE (HS) TX gain to IP-PHONE(HF)	0-63	34
6	LIP TX HS RTP GAIN LIP-HS->WIT:34(00-63)	IP-PHONE (HS) TX gain to WIT	0-63	34
7	LIP TX HS RTP GAIN LIP-HS->VOIB:34(00-63)	IP-PHONE (HS) TX gain to VOIB	0-63	34

Table 2.3.13.111-5 IP-PHONE(HF) TX RTP GAIN (PGM 434)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	LIP TX HF RTP GAIN LIP-HF->SLTM:34(00-63)	IP-PHONE(HF) TX gain to STLM	0-63	34
2	LIP TX HF RTP GAIN · LIP-HF->DTIM-HS:34(00-63)	IP-PHONE (HF) TX gain to DTIM(HS)	0-63	34
3	LIP TX HF RTP GAIN LIP-HF->DTIM-HF:34(00-63)	IP-PHONE (HF) TX gain to DTIM(HF)	0-63	34
4	LIP TX HF RTP GAIN LIP-HF->LIP-HS:34(00-63)	IP-PHONE (HF) TX gain to IP-PHONE(HS)	0-63	34
5	LIP TX HF RTP GAIN LIP-HF->LIP-HF:34(00-63)	IP-PHONE (HF) TX gain to IP-PHONE(HF)	0-63	34
6	LIP TX HF RTP GAIN LIP-HF->WIT:34(00-63)	IP-PHONE (HF) TX gain to WIT	0-63	34
7	LIP TX HF RTP GAIN LIP-HF->VOIB:34(00-63)	IP-PHONE (HF) TX gain to VOIB	0-63	34

Table 2.3.13.11-6 WIT TX RTP GAIN (PGM 435)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	WIT TX RTP GAIN WIT->SLTM:34(00-63)	WIT TX gain to STLM	0-63	34
2	WIT TX RTP GAIN WIT->DTIM-HS:34(00-63)	WIT TX gain to DTIM(HS)	0-63	34
3	WIT TX RTP GAIN WIT->DTIM-HF:34(00-63)	WIT TX gain to DTIM(HF)	0-63	34
4	WIT TX RTP GAIN WIT->LIP-HS:34(00-63)	WIT TX gain to IP-PHONE(HS)	0-63	34
5	WIT TX RTP GAIN WIT->LIP-HF:34(00-63)	WIT TX gain to IP-PHONE(HF)	0-63	34
6	WIT TX RTP GAIN WIT->WIT:34(00-63)	WIT TX gain to WIT	0-63	34
7	WIT TX RTP GAIN WIT->VOIB:34(00-63)	WIT TX gain to VOIB	0-63	34

Table 2.3.13.11-7 VOIB TX RTP GAIN (PGM 436)

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	VOIB TX RTP GAIN VOIB->SLTM:34(00-63)	VOIB TX gain to STLM	0-63	34
2	VOIB TX RTP GAIN VOIB->DTIM-HS:34(00-63)	VOIB TX gain to DTIM(HS)	0-63	34
3	VOIB TX RTP GAIN VOIB->DTIM-HF:34(00-63)	VOIB TX gain to DTIM(HF)	0-63	34
4	VOIB TX RTP GAIN VOIB->LIP-HS:34(00-63)	VOIB TX gain to IP-PHONE(HS)	0-63	34
5	VOIB TX RTP GAIN VOIB->LIP-HF:34(00-63)	VOIB TX gain to IP-PHONE(HF)	0-63	34
6	VOIB TX RTP GAIN VOIB->WIT:34(00-63)	VOIB TX gain to WIT	0-63	34
7	VOIB TX RTP GAIN VOIB->VOIB:34(00-63)	VOIB TX gain to VOIB	0-63	34

2.3.13.12 SLT Ring Cadence – PGM Code 440

SLT Ring Cadence can be adjusted (refer to Table for attribute values).

PROCEDURE:	
SLT RING CADENCE F1:CO RING F2:ICM RING	1. Press the **[PGM]** button and dial 440
	2. Press the desired Flex button 1 or 2: - Flex 1: Configures SLT CO Ring cadence - Flex 2: Configures SLT ICM Ring cadence
SLT CO RING CADENCE PRESS FLEX_KEY (01-10)	3. For Flex 1, to configure SLT CO Ring cadence, select Flex button (1-10) for the attribute (refer to Table 2.3.14.11-1).
SLT ICM RING CADENCE PRESS FLEX_KEY (01-10)	4. For Flex button 2, to configure SLT ICM Ring cadence, select Flex button (1-10) for the attribute (refer to Table 2.3.14.11-2).
	5. Use the dial-pad to enter desired data for the attribute setting (refer to Table 2.3.14.11-1 and -2).
	6. Press the **[SAVE]** button to store the data entry.

Table 2.3.13.12-1 SLT CO RING CADENCE

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	CO RING REPEAT (000-255): 255	Determines the number of times the SLT CO ring will repeat; 255 means infinite repetition.	0-255	255
2	CO RING TIME UNIT (0:10/ 1:100):100(msec)	Determines the duration in msec. for ON/OFF ring time.	0:10 msec, 1:100 msec	100 msec
3	CO RING 1 ON (000-255): 010	Determines the first ON ring duration.	0-255	010
4	CO RING 1 OFF (000-255): 040	Determines the first OFF ring duration.	0-255	040
5	CO RING 2 ON (000-255): 000	Determines the second ON ring duration.	0-255	000
6	CO RING 2 OFF (000-255): 000	Determines the second OFF ring duration.	0-255	000
7	CO RING 3 ON (000-255): 000	Determines the third ON ring duration.	0-255	000
8	CO RING 3 OFF (000-255): 000	Determines the third OFF ring duration.	0-255	000
9	CO RING 4 ON (000-255): 000	Determines the forth ON ring duration.	0-255	000

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
10	CO RING 4 OFF (000-255): 000	Determines forth OFF ring duration.	0-255	000

Table 2.3.13.12-2 SLT ICM RING CADENCE

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	ICM RING REPEAT (000-255) : 255	Determines the number of times the SLT ICM ring will repeat; 255 means infinite repetition.	0-255	255
2	ICM RING TIME UNIT (0:10/ 1:100):100(msec)	Determines the duration in msec. for ON/OFF ring time.	0:10 msec, 1:100 msec	100 msec
3	ICM RING 1 ON (000-255): 006	Define first ON ring duration.	0-255	006
4	ICM RING 1 OFF (000-255): 002	Define first OFF ring duration.	0-255	002
5	ICM RING 2 ON (000-255): 002	Define second ON ring duration.	0-255	002
6	ICM RING 2 OFF (000-255): 040	Define second OFF ring duration.	0-255	040
7	ICM RING 3 ON (000-255): 000	Define third ON ring duration.	0-255	000
8	ICM RING 3 OFF (000-255): 000	Define third OFF ring duration.	0-255	000
9	ICM RING 4 ON (000-255): 000	Define forth ON ring duration.	0-255	000
10	ICM RING 4 OFF (000-255): 000	Define forth OFF ring duration.	0-255	000

2.3.13.13 ACNR Tone Cadence – PGM Code 441

ACNR Tone Cadence can be adjusted (refer to Table for attribute values).

PROCEDURE:	
ACNR TONE CADENCE PRESS FLEX_KEY (01-5)	1. Press the **[PGM]** button and dial 441
DIAL TONE CADENCE F1 : ON F2 : OFF	2. Press the desired Flex button 1-5 (refer to Table). Flex 1: Tone Cadence ON Flex 2: Tone Cadence OFF
DIAL TONE ON (000 – 255) : 060	3. Use the dial-pad to enter desired data.
	4. Press the **[SAVE]** button to store the data entry.

Table 2.3.14.13-1 ACNR TONE CADENCE

BTN	ATTRIBUTE/DISPLAY	DESCRIPTION	RANGE	DEFAULT
1	DIAL TONE CADENCE F1:ON(060) F2:OFF(000)	ACNR Dial Tone Cadence	0-255	
2	RINGBACK TONE CADENCE F1:ON(050) F2:OFF(100)	ACNR Ringback Tone Cadence	0-255	
3	BUSY TONE CADENCE F1:ON(030) F2:OFF(030)	ACNR Busy Tone Cadence	0-255	
4	ERROR TONE CADENCE F1:ON(012) F2:OFF(012)	ACNR Error Tone Cadence	0-255	
5	LCR DIAL TONE CADENCE F1:ON(070) F2:OFF(000)	ACNR LCR Tone Cadence	0-255	

2.3.14 DB Initialization – PGM Code 499

Programmed database can be initialized selectively to default

PROCEDURE:	
INITIALIZE DATABASE PRESS FLEX KEY (1-13)	1. Press the **[PGM]** button and dial 499.
See following Table DISPLAY	2. Press the Flex button for the desired Attribute (refer to Table).
	3. Use the dial pad to enter the required range if needed.
	4. Press the **[SAVE]** button to initialize the selected database.

Table 2.3.15.1-1 INITIALIZE DATABASE (PGM 499)

BTN	DISPLAY	REMARK	RANGE
1	INIT ALL DATA PRESS [SAVE] TO INIT	Initialize all databases.	-
2	SYSTEM RESET PRESS [SAVE] TO RESET	Restart the System.	-
3	INIT STATION DATA ENTER STA RANGE	Initializes Station-based data (Except flexible button data).	Desired station range (initialize whole data when no range)
4	INIT FLEX BTN DATA ENTER STA RANGE	Initializes flexible button data	Desired station range (initialize whole data when no range)
5	INIT COL DATA ENTER COL RANGE	Initializes CO line-based data.	Desired CO line range (initialize whole data when no range)
6	INIT STA GRP DATA PRESS [SAVE] TO INIT	Initializes Station Group-based data.	
7	INIT SYSTEM DATA PRESS [SAVE] TO INIT	Initializes System-based data.	
8	INIT SMDR DATA PRESS [SAVE] TO INIT	Initializes SMDR data.	
9	INIT SYSTEM TIMER PRESS [SAVE] TO INIT	Initializes System Timers.	
10	INIT TABLE DATA PRESS [SAVE] TO INIT	Initializes Table-based data.	
11	INIT TENANT DATA PRESS [SAVE] TO INIT	Initializes Tenant Group-based data.	
12	INIT NETWORKING DATA PRESS [SAVE] TO INIT	Initializes Networking data.	
13	INIT SIP DATA PRESS [SAVE] TO INIT	Initializes SIP data.	

APPENDIX A – DATABASE INDEX

The Database index (Table A-1), is divided into groups of "**PROGRAMS**" based on specific characteristics associated with the data such as, Numbering Plans, Station oriented database entries or CO Line oriented values. These groupings are identified as the Program Group in Web Admin. mode. The individual **PROGRAMS** are identified in the Table with the **ADMIN STATION PROGRAM CODE (PGM Code)** and a corresponding Web sub-menu and description.

TABLE A-1 DATABASE INDEX

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
Pre-Programmed Data	100	Location Program	Location Program
	102	Slot Assignment	Slot Assignment
	103	Logical Slot Assignment	Logical Slot Assignment
	104	DECT/IP/SIP MAX Port	DECT/IP/SIP MAX Port
	106	IP-Phone/Phontage Registration	IP-Phone/Phontage Registration
	107	DTIM/SLTM Registration	DTIM/SLTM Registration
	108	IP Address Plan	IP Address Plan
	109	System Info Display	
NUMBERING PLAN DATA	110	Numbering Plan Type	Numbering Plan Type
	111	System Numbering Plan	System Numbering Plan
	112	Flexible Station Number	Flexible Station Number
	113	Feature Numbering Plan	Feature Numbering Plan
	114	CO Group Access Code	
	115	Station Group Number	
STATION PORT DATA	120	Station Type Information	Station Type
	121	Station Port Attribute 1	Station Port Attribute
	122	Station Port Attribute 2	
	123	Station Port Attribute 3	
	124	Station Port Attribute 4	
	126	Station Flexible Button Attribute	Flexible Button Assignment
	Web only		CTI IP Address
STATION NUMBER DATA	130	Station DN Number	Station DN Assignment
	131	Station Number Attribute 1	Station DN Attribute
	132	Station Number Attribute 2	
	133	Station Number Attribute 3	
	134	Station Number Attribute 4	
	135	Station CLI Attribute	
	137	Station COS Attribute	COS Assignment
	138	Station Auto Dial Attribute	Auto Dial Attribute
	142	Station Preset Call Forward	Preset Call Forward
	143	Station Forward Set	Call Forward
	145	Station VMIB Attribute	VMIB Attribute
	146	Station Mobile Extension	Mobile Extension Attribute
	150	Station CO Group Access	CO/IP Group Access
	151	Station Page Group Access	Page Group Access
	152	Command Call Group Access	Command Group Access
CO LINE DATA	160	CO Line Attribute 1	CO Line Attribute
	161	CO Line Attribute 2	
	162	CO Line Attribute 3	
	163	CO CID Attribute	
	165	Incoming CO Attribute 1	Incoming CO Attribute

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
	166	Incoming CO Attribute 2	
	167	CO Ring Assignment	CO Ring Assignment
	168	Incoming CO Normal/DISA Attribute	Normal/DISA CO Attribute
	169	Incoming CO Alternative Destination	Incoming CO Alternative
	170	Outgoing CO Attribute 1	Outgoing CO Attribute
	171	Outgoing CO Attribute 2	
	173	Outgoing CO Alternative Destination	Outgoing CO Alternative
	174	CO Inter Digit Timer	CO Inter Digit Timer
	175	DTMF Sending Delay Timer	DTMF Send Interval
	177	CO COS Assignment	CO COS Assignment
	179	CO to CO Attribute	CO-to-CO Attribute
	180	CO Group Access Code Attribute	CO Group Access Code
	181	Alternative Ring Table	Alternative Ring Table
STATION GROUP DATA	200	Station Group Assign	Station Group Assign
	201	Greeting/Queuing Attribute	Station Group Attribute
	202	Station Group Attribute	
	203	VM Group Attribute	Voice Mail Group
	204	Pickup group Index	Call Pick-up Group
	205	Page group Index	Page Group
	206	Command Conference Group Index	Command Conference Group
	208	PTT Group Index	PTT Group
	209	Interphone Group Index	Interphone Group
	210	Pilot Hunt Group Index	Pilot Hunt Group
	211	Pilot Hunt Group Forward	
SYSTEM DATA	220	System Timer 1	System Timer
	221	System Timer 2	
	222	System Timer 3	
	223	System Attribute	System Attribute
	226	System Password	System Password
	227	System Alarm Attribute	Alarm Attribute
	228	External Control Contact	External Control Contact
	229	Music Assign	Music Source
	230	RS232 Port Setting	RS232 Setting
	231	Print Port Selection	Serial Port Selection
	232	SMDR Attribute	SMDR Attribute
	233	Set System Time/Date	System Time/Date
	234	LED Color/Flash Rate	LED Flashing Rate
	235	PPP Attribute	PPP Attribute
	236	Mobile Attribute	Mobile Attribute
	237	One-Digit Service	Intercom Busy Table
	240	Dummy Dial Tone Digit	Dial Tone Digit Table
	241	Executive/Secretary Assign	Executive/Secretary Assign
	242	Executive/ Executive Access	Executive Access
	Web only		PPTP Attribute
	Web only		Web Access Authorization
TABLE DATA	250	Toll Exception Table	Toll Exception Table
	251	Digit Conversion Table	Digit Conversion Table
	252	Digit Conversion Option	
	253	Time Table Attribute	System Time Table
	254	Weekly Time Table	
	255	LCR Time Table Attribute	LCR Time Table
	256	Holiday Time Table	Holiday Time Table

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
	257	System Speed Dial Table	System Speed Dial
	258	Emergency Code Table	Emergency Code Table
	259	Announcement Table	Announcement Table
	260	Custom Call Routing	CCR Table
	262	ICLID Table	ICLID Table
	263	CLI Conversion Table	CLI Conversion Table
	Web only		Tone Frequency/Cadence
	Web only		Ring Table
	Web only		Ring Frequency/Cadence
	269		Voice Mail Dial Table
TENANT DATA	270	Attendant Group Assignment	Attendant Group Assignment
	271	Attendant Group Greeting/Queuing Attribute	Attendant Group Attribute
	272	Attendant Group Attribute	
	275	Night Attendant Group Assignment	Night Attendant Group Assignment
	276	Night Attendant Group Greeting/Queuing Attribute	Night Attendant Group Attribute
	277	Night Attendant Group Attribute	
	280	Tenant Attribute 1	Tenant Attribute
	281	Tenant Attribute 2	
	283	Tenant Group Access	Tenant Group Access
	284	Call Restriction Restriction 1	CO Call Restriction
	285	Call Restriction Restriction 2	
	286	Local Call Prefix Table	Local Call Prefix Table
	287	Long Call Prefix Table	Long Call Prefix Table
	288	International Call Prefix Table	International Call Prefix Table
	290	Tenant Tone Table	Tone Table
BOARD DATA	300	ISDN Board Attribute	ISDN Board Attribute
	301	ISDN Clock Priority	ISDN Clock Priority
	305	VOIB/VMIB Board Attribute	VOIB/VMIB Board Attribute
VOICE NETWORK DATA	320	Network Attributes	Network Attributes
	321	Network Numbering	Network Numbering
T-NET Data	330	TNET Basic Attributes	TNET Attributes
	331	TNET CM Attributes	CM Attributes
	333	FoPSTN Attributes	FoPSTN Attribute
	334	Board T-Net Attributes	T-Net Board Attribute
	335	IP Phone T-Net Enable	IP-Phone T-Net Attribute
H.323 DATA	360	H.323 Routing Attribute	H.323 Routing Attribute
	361	H.323 Call Setup Attribute	H.323 Call Attribute
	362	H.323 Incoming Attribute	H.323 Incoming Attribute
	363	GK Setup Info	GK Attribute
SIP CO DATA	Web only		SIP CO Basic Registration
	Web only		SIP CO Additional Registration
	Web only		SIP CO Codec
	Web only		SIP CO User ID Table
SIP STATION DATA	Web only		SIP Station Basic Registration
	Web only		SIP Station Additional Registration
	Web only		SIP Station Service
ZONE DATA	Web only		Zone Attribute
	Web only		Zone RTP Relay Group
	Web only		Inter Zone Attribute
SNMP DATA	Web only		SNMP Data

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
DECT DATA	Web only		DECT Registration
	491	DECT Attribute	DECT Attribute
GREEN MODE	Web only		Green Mode Activation
	Web only		Green Mode Time Setting
NATION SPECIFIC	400	DKT RX Gain	TDM Gain
	401	SLT RX Gain	
	402	DECT RX Gain	
	403	IP-Phone RX Gain	
	404	ACO RX Gain	
	405	DCO RX Gain	
	406	VMIB RX Gain	
	407	External Page RX Gain	
	415	DSP RX Gain	DSP Gain
	420	SLTM RX RTP Gain	RTP Gain
	421	DTIM RX Handset RTP Gain	
	422	DTIM RX Handsfree RTP Gain	
	423	LIP RX Handset RTP Gain	
	424	LIP RX Handsfree RTP Gain	
	425	WIT RX RTP Gain	
	426	VOIB RX RTP Gain	
	440	SLT Ring Cadence	SLT Ring Cadence
	441	ACNR Tone Cadence	ACNR Tone Cadence
INITIALIZATION	499	Initialization	Initialization

APPENDIX B – DEFAULT NUMBERING PLAN

The Default Numbering Plan can be selected from 1 of 6 Base Numbering Plans (Tables B-1 and B-2). The Number Plan can be changed using the Numbering Plan Programs, PROGRAM CODES 110 to 114.

TABLE B-1a BASIC NUMBER

NO	NAME	NUM SET 1	NUM SET 2	NUM SET 3	REMARK
1	Station Number	100 ~ 473	100 ~ 699	1000 ~ 1647	
2	CO Group Access Code	1, 801 ~ 872(MG-300) 801 ~ 824(MG-100)	0, *801 ~ *872(MG-300) *801 ~ *824(MG-100)	9, 801 ~ 872(MG-300) 801 ~ 824(MG-100)	
3	Station Group Number	620 ~ 669(MG-300) 620 ~ 639(MG-100)	*620 ~ *669(MG-300) *620 ~ *639(MG-100)	620 ~ 669(MG-300) 620 ~ 639(MG-100)	

TABLE B-1b BASIC NUMBER

NO	NAME	NUM SET 4	NUM SET 5	NUM SET 6	REMARK
1	Station Number	7000 ~ 7647	2000 ~ 2647	2000 ~ 2647	
2	CO Group Access Code	1, 401 ~ 472(MG-300) 401 ~ 424(MG-100)	0, 801 ~ 872(MG-300) 801 ~ 824(MG-100)	0, 801 ~ 872(MG-300) 801 ~ 824(MG-100)	
3	Station Group Number	620 ~ 669(MG-300) 620 ~ 639(MG-100)	620 ~ 669(MG-300) 620 ~ 639(MG-100)	*620 ~ *669(MG-300) *620 ~ *639(MG-100)	

TABLE B-2a FEATURE CODE

NO	FEATURE NAME	NUM SET 1	NUM SET 2	NUM SET 3	REMARK
1	Attendant Call	0	*9	0	
2	Conference Room 1	571	*571	571	
3	Conference Room 2	572	*572	572	
4	Conference Room 3	573	*573	573	
5	Conference Room 4	574	*574	574	
6	Conference Room 5	575	*575	575	
7	Conference Room 6	576	*576	576	
8	Conference Room 7	577	*577	577	
9	Conference Room 8	578	*578	578	
10	Conference Room 9	579	*579	579	
11	Internal Page	543	*543	543	543 + 00, xx 00: All Call Page Xx: Page Group #
12	Personal VM Page	544	*544	544	
13	Announcement Page For Attendant	545	*545	545	
14	Page Auto Answer	546	*546	546	
15	Internal Page Answer (Meet-Me Page)	547	*547	547	
16	External Page	548	*548	548	
17	Internal-External Page All	549	*549	549	
18	Call Forward Register	554	*554	554	554 + Type + Destination
19	Pilot Hunt Call Forward Register	514	*514	514	514 + Type + Destination

NO	FEATURE NAME	NUM SET 1	NUM SET 2	NUM SET 3	REMARK
20	Pilot Hunt Call Forward Cancel	515	*515	515	
21	DND Status Change	516	*516	516	
22	DND Delete	517	*517	517	
23	Account Code	550	*550	550	
24	CO Flash	551	*551	551	
25	Last Number Redial	552	*552	552	
26	Station Speed PGM	553	*553	553	
27	Speed Dial	555	*555	555	
28	MWI Register	556	*556	556	
29	MWI Answer	557	*557	557	
30	MWI Cancel	559	*559	559	
31	Call Back Register	518	*518	518	
32	Call Back Cancel	519	*519	519	
33	Group Call Pickup	566	*566	566	
34	Direct Call Pickup	7	*7	7	
35	Walking COS	520	*520	520	
36	Call Parking Location	541	*541	541	541 + xx Xx: Parking Location (00 ~ 49)
37	PGM Mode Access	521	*521	521	
38	Two-Way Record	522	*522	522	
39	VMIB Access	523	*523	523	
40	AME Access	524	*524	524	
41	CO Line Access	88	*88	88	88 + xxx Xxx: CO Line # (001 ~ 200 : MG-300 01 ~ 80 : MG-100)
42	VM MWI Enable	*8	*5#8	*8	
43	VM MWI Cancel	*9	*5#9	*9	
44	MCID Request	*0	*5#0	*0	
45	Unsupervised Conf Extend	5##	*5##	5##	
46	PTT Group Access	538	*538	538	524 + (0~9,*) 0 ~ 9: PTT Group # *: Log out
47	Hot Desk Log In/Log out	525	*525	525	
48	Name Register	526	*526	526	
49	Create Conf Room	527	*527	527	527 + Conf. Room #
50	Delete Conf Room	528	*528	528	528 + Conf. Room #
51	Wake Up Register	529	*529	529	529 + HH:MM
52	Wake Up Cancel	530	*530	530	
53	Temporarily COS Down	531	*531	531	
54	Cancel Temp COS Down	532	*532	532	
55	Password Change	533	*533	533	
56	Inter-Phone Group Access	534	*534	534	
57	Call Wait Request	535	*535	535	
58	Preselected MSG PGM	536	*536	536	
59	Forced Handsfree Call	537	*537	537	
60	Call Based CLIR	582	*582	582	

NO	FEATURE NAME	NUM SET 1	NUM SET 2	NUM SET 3	REMARK
61	CLIR Access	583	*583	583	
62	COLR Access	584	*584	584	
63	Pilot Hunt Call	585	*585	585	
64	Command Call Oneway	581	*581	581	
65	Command Call Conf	580	*580	580	
66	Intrude Register	589	*589	589	
67	Camp On Register	590	*590	590	
68	OHVO Register	591	*591	591	
69	Mobile Num Register	592	*592	592	
70	Mobile CLI Register	593	*593	593	
71	Mobile Access	594	*594	594	
72	CCR Access	670	*670	670	
73	CCR Access And Drop	671	*671	671	
74	System Hold	560	*560	560	
75	Return Held CO	8**	*8**	8**	
76	Sys Memo	675	*675	675	
77	DISA Tone Service	678	*678	678	
78	All Feature Cancel	679	679	679	
79	Add Conf Member	680	*680	680	
80	System Alarm Reset	565	*565	565	
81	Fault Alarm Reset	564	*564	564	
82	Door Open	#*1	#*1	#*1	
83	Keypad Facility	##*	##*	##*	
84	T-Net Log-In/Out	586	*586	586	
85	Universal Answer	587	*587	587	
86	USB Call Record	588	*588	588	
87	Delete All VM Message	681	*681	681	
88	VM Page Message Record	682	*682	682	
89	Direct VM Transfer	683	*683	683	
90	Loop Key	684	*684	684	
91	Call Log	685	*685	685	

TABLE B-2b FEATURE CODE

NO	FEATURE NAME	NUM SET 4	NUM SET 5	NUM SET 6	REMARK
1	Attendant Call	0	9	#9	
2	Conference Room 1	571	571	*571	
3	Conference Room 2	572	572	*572	
4	Conference Room 3	573	573	*573	
5	Conference Room 4	574	574	*574	
6	Conference Room 5	575	575	*575	
7	Conference Room 6	576	576	*576	
8	Conference Room 7	577	577	*577	
9	Conference Room 8	578	578	*578	
10	Conference Room 9	579	579	*579	
11	Internal Page	543	543	*543	543 + 00, xx 00: All Call Page Xx: Page Group #

NO	FEATURE NAME	NUM SET 4	NUM SET 5	NUM SET 6	REMARK
12	Personal VM Page	544	544	*544	
13	Announcement Page For Attendant	545	545	*545	
14	Page Auto Answer	546	546	*546	
15	Internal Page Answer (Meet-Me Page)	547	547	*547	
16	External Page	548	548	*548	
17	Internal-External Page All	549	549	*549	
18	Call Forward Register	554	554	*554	554 + Type + Destination
19	Pilot Hunt Call Forward Register	514	514	*514	514 + Type + Destination
20	Pilot Hunt Call Forward Cancel	515	515	*515	
21	DND Status Change	516	516	*516	
22	DND Delete	517	517	*517	
23	Account Code	550	550	*550	
24	CO Flash	551	551	*551	
25	Last Number Redial	552	552	*552	
26	Station Speed PGM	553	553	*553	
27	Speed Dial	555	555	*555	
28	MWI Register	557	556	*556	
29	MWI Answer	558	557	*557	
30	MWI Cancel	559	559	*559	
31	Call Back Register	518	518	*518	
32	Call Back Cancel	519	519	*519	
33	Group Call Pickup	**	566	*566	
34	Direct Call Pickup	7	7	*7	
35	Walking COS	520	520	*520	
36	Call Parking Location	541	541	*541	541 + xx Xx: Parking Location (00 ~ 49)
37	PGM Mode Access	521	521	*521	
38	Two-Way Record	522	522	*522	
39	VMIB Access	523	523	*523	
40	AME Access	524	524	*524	
41	CO Line Access	88	88	88	88 + xxx Xxx: CO Line # (001 ~ 200 : MG-300 01 ~ 80 : MG-100)
42	VM MWI Enable	*8	*8	*5#8	
43	VM MWI Cancel	*9	*9	*5#9	
44	MCID Request	*0	*0	*5#0	
45	Unsupervised Conf Extend	5##	5##	*5##	
46	PTT Group Access	538	538	*538	524 + (0~9,*) 0 ~ 9: PTT Group # *: Log out
47	Hot Desk Log In/Log out	525	525	*525	
48	Name Register	526	526	*526	
49	Create Conf Room	527	527	*527	527 + Conf. Room #
50	Delete Conf Room	528	528	*528	528 + Conf. Room #
51	Wake Up Register	529	529	*529	529 + HH:MM

NO	FEATURE NAME	NUM SET 4	NUM SET 5	NUM SET 6	REMARK
52	Wake Up Cancel	530	530	*530	
53	Temporarily COS Down	531	531	*531	
54	Cancel Temp COS Down	532	532	*532	
55	Password Change	533	533	*533	
56	Inter-Phone Group Access	534	534	*534	
57	Call Wait Request	535	535	*535	
58	Preselected MSG PGM	536	536	*536	
59	Forced Handsfree Call	537	537	*537	
60	Call Based CLIR	582	582	*582	
61	CLIR Access	583	583	*583	
62	COLR Access	584	584	*584	
63	Pilot Hunt Call	585	585	*585	
64	Command Call Oneway	581	581	*581	
65	Command Call Conf	580	580	*580	
66	Intrude Register	589	589	*589	
67	Camp On Register	590	590	*590	
68	OHVO Register	591	591	*591	
69	Mobile Num Register	592	592	*592	
70	Mobile CLI Register	593	593	*593	
71	Mobile Access	594	594	*594	
72	CCR Access	670	670	*670	
73	CCR Access And Drop	671	671	*671	
74	System Hold	560	560	*560	
75	Return Held CO	8**	8**	*8**	
76	Sys Memo	675	675	*675	
77	DISA Tone Service	678	678	*678	
78	All Feature Cancel	679	679	*679	
79	Add Conf Member	680	680	*680	
80	System Alarm Reset	565	565	*565	
81	Fault Alarm Reset	564	564	*564	
82	Door Open	#*1	#*1	#*1	
83	Keypad Facility	##*	##*	##*	
84	T-Net Log-In/Out	586	586	*586	
85	Universal Answer	587	587	*587	
86	USB Call Record	588	588	*588	
87	Delete All VM Message	681	681	*681	
88	VM Page Message Record	682	682	*682	
89	Direct VM Transfer	683	683	*683	
90	Loop Key	684	684	*684	
91	Call Log	685	685	*685	

APPENDIX C – FIXED FUNCTION/USER PROGRAM CODES

Fixed Function Codes (Tables C-1 and C-2), are digit sequences users and the Attendant may dial while in the USER PROGRAM MODE (refer to the ***iPECS-MG Feature and Operation Manual***).

TABLE C-1 STATION USER PROGRAM FIXED FUNCTION CODES

USER PGM CODE	DESCRIPTION	REMARK
11	Intercom Answer Mode	1:H, 2:T, 3:P
12 + Name	User Name Creation	2 digits for each character
13 + Time	Set Wake-up Alarm Time	HH/mm, 24-hour clock
14	Cancel Wake-up Alarm	
15	Set Display Language	00-14
16	LCD Date Mode Change	DD/MM/YY or MMDDYY
17	LCD Time Mode Change	12 Hour/24 Hour
18	Set Backlight	0-2
21	ICM Ring Type	
22	Trunk Ring Type	
23	Ring Download	LIP-Series Only
24	Back Ground Music	
31	Temporary COS	Auth. Code required
32	Retrieve COS	Auth. Code required
33	COS Override (Walking COS)	Auth. Code required
34	Register Password	
35	Call Log Protect	
36	SMS Message Protect	LIP-Series/LDP6000-Series
41 + MSG number [xx]	Set Pre-Defined Message.	0-9, MSG *: User Custom # Deactivation
42	Create a Station User Message	
43	Send SMS Message	LIP Series/LDP6000 Series
44	Receive SMS Message	LIP Series/LDP6000 Series
51 + x	Mobile Phone Activation	X=1-2
52 + x	Mobile Phone Registration	X=1-2
53 + x	Mobile CLI Number Registration	X=1-2
54 + Rm & Auth Code	Conf Room Start	
55 + Rm & Auth Code	Conf Room Close	
61	Speaker/Headset Mode	Speak/Headset/E-MIC
62	Headset Ring Mode	Speaker/Headset/Both
71	Register Station ICLID	
72	View Station ICLID	
81	View IP Address	IP Phone/ DTIM/SLTM
82	View Mac Address	IP Phone/ DTIM/SLTM
83	View IP Phone Version	
80	Network Setting	LIP Series
91	System Version	
92	System IP Address	

TABLE C-2 ATTENDANT USER PROGRAM FIXED FUNCTION CODES

USER PGM CODE	ITEM DESCRIPTION	REMARK
01 SMDR		
011	PRINT STATION SMDR	Station Range
012	DELETE STATION SMDR	Station Range
013	PRINT FAILED CALL SMDR	
014	DELETE FAILED CALL SMDR	
015	DELETE ALL SMDR	
016	ABORT PRINTING	
02 TRAFFIC		
021	PRINT TRAFFIC (TENANT)	
022	PRINT TRAFFIC (CALL TYPE)	
023	PRINT TRAFFIC (CO GRP)	
03 COS / PASSWORD		
031	TEMPORARY COS MODE	Station Range
032	RETRIEVE COS	Station Range
033	REGISTER PASSWORD	Station Range
034	CALL LOG PROTECT	Station Range
04 DATE / TIME		
041	SET SYSTEM DATE	
042	SET SYSTEM TIME	
043	LCD DATE MODE	Station Range
044	LCD TIME MODE	Station Range
045	SET WAKE UP	Station Range
046	RESET WAKE UP	Station Range
05 MULTI MESSAGE		
051	PRESELECTED MESSAGE	Station Range, MSG No
052	SET USER MESSAGE	Station Range
06 VMIB ANNOUNCEMENT		
061	LISTEN VM ANNOUCEMENT	
062	RECORD VM ANNOUCEMENT	
07 USER PROGRAM		
071	STATION NAME	Station Range
072	LANGUAGE PROGRAM	Station Range
073	PREPAID CALL	Station Range
074	FEATURE CANCEL	Station Range
08 SYSTEM		
081	DAY/NIGHT PROGRAM	
082	MONITOR CONF ROOM	
083	FORCED DELETE CONF ROOM	

USER PGM CODE	ITEM DESCRIPTION	REMARK
084	PPTP CONNECTION	Registered Server Number
09 USB		
091	SOFTWARE UPGRADE	
092	DB DOWNLOAD TO USB	
093	DB UPLOAD TO USB	
094	VMIB MSG DOWNLOAD	
0# WTU SUBSCRIBE		

APPENDIX D – DEFAULT VALUES

The following Tables, are divided based on PROGRAM group and PROGRAM, and provide the default values assigned to all Admin entries. Prior to changing an entry during programming assure you have an understanding of the PROGRAM and its purpose.

TABLE D-1 PRE-PROGRAMMED DATA

BTN	SUB-MENU	DEFAULT	REMARK
PGM Code: 100 – Location program			
1	Nation Code	1	Maximum 4 digits
2	Site Name		Maximum 24 characters
PGM Code: 101 – Slot Assignment			
1	Slot		2 digits
2	DEVS		2 digits
PGM Code: 103 – Logical Slot Assign			
1	COL		
2	STA		
3	VMIB		
PGM Code: 104 – DECT/IP/SIP Max Port			
1	MAX NO OF DECT	8	000-192
2	MAX NO OF IP Phone	32	000-324
3	MAX NO OF SIP Phone	32	000-324
PGM Code: 106 – IP-Phone/Phontage REG.			
1	MAC Address		
2	User ID		
3	User Password		
4	Station Number		
5	IP Address		
6	F/W IP Address		
7	RTP Security		
PGM Code: 107 – DTIM/SLTM Registration.			
1	MAC Address		
2	Station Range		
3	IP Address		
4	F/W IP Address		
5	RTP Security		
PGM Code: 108 – IP Address Plan			
1	IP Address	10.10.10.1	
2	Subnet mask	255.255.255.000	
3	Router IP Address	10.10.10.254	
4	Firewall IP Address	0.0.0.0	
5	DNS IP Address	0.0.0.0	
6	H.323 port	1720	000-999
7	SIP Port	5060	000-999
8	DHCP Usage	OFF	
9	DIFFSERV	04	00-63
PGM Code: 109 – System Info Display			
1	MAC Address		
2	IPKTS Protocol Port		
3	Private Net Mask		
4	Application Release Version		

BTN	SUB-MENU	DEFAULT	REMARK
5	Application Release Date		
6	Boot Version		
7	Boot Release Date		

TABLE D-2 NUMBERING PLANS

BTN	SUB-MENU	DEFAULT	REMARK
PGM Code: 110 – Numbering Plan Type			
	Default Numbering Plan Type	1	
PGM Code: 111 – System Numbering Plan			
1	Prefix Code	Index01 - 1 Index02- 2 Index03- 3 Index04- 4 Index05- 5 Index06- 6 Index07- 7 Index08- 8 Index09- 9 Index10- 0 Index11- * Index12- #	System Numbering Plan Index from 001 to 150
2	Additional Digits	Index01- 2 Index02- 2 Index03- 2 Index04- 2 Index05- 2 Index06- 2 Index07- 0 Index08- 2 Index09- 0 Index10- 0 Index11- 1 Index12- 2	System Numbering Plan Index from 001 to 150
PGM Code: 112 – Flexible Station Number			
	Flexible Station Number	100~473	Default Numbering Plan Country Code 1.
PGM Code: 113 – Feature Numbering Plan			
1	Attendant Call	0	
2	Conference Room 1	571	
3	Conference Room 2	572	
4	Conference Room 3	573	
5	Conference Room 4	574	
6	Conference Room 5	575	
7	Conference Room 6	576	
8	Conference Room 7	577	
9	Conference Room 8	578	
10	Conference Room 9	579	
11	Internal Page	543	
12	Personal VM Page	544	
13	Announcement Page for Attendant	545	
14	Page Auto Answer	546	
15	Internal Page Answer	547	
16	External Page	548	

BTN	SUB-MENU	DEFAULT	REMARK
17	All Page (Internal & External)	549	
18	Call Forward Register	554	
19	Pilot Hunt Call Forward Register	514	
20	Pilot Hunt Call Forward Cancel	515	
21	DND Stage Change	516	
22	DND Delete	517	
23	Account Code	550	
24	CO Flash	551	
25	Last Number Redial	552	
26	Speed Program	553	
27	Speed Dial	555	
28	Message Wait Register	557	
29	Message Wait Answer	558	
30	Message Wait Cancel	559	
31	Call Back Register	518	
32	Call Back Cancel	519	
33	Croup Call Pick-Up	566	
34	Direct Call Pick-Up	7	
35	Walking COS	520	
36	Call Parking Location	541	
37	PGM Mode Access	521	
38	Two-Way Record	522	
39	VMIB Access	523	
40	AME Access	524	
41	CO Line Access	888	
42	External Voice Mail Message Wait Enable	*8	
43	External Voice Mail Message Wait Cancel	*9	
44	MCID Request	*0	
45	Unsupervised Conference Extend	5##	
46	PTT Group Login/Logout	538	
47	Hotdesk Login/Logout	525	
48	Station Name Register	526	
49	Create Conference Room	527	
50	Delete Conference Room	528	
51	Wake-Up Register	529	
52	Wake-Up Cancel	530	
53	Temporary COS Down	531	
54	Retrieve COS	532	
55	Password Change	533	
56	Interphone Group Access	534	
57	Call Wait Register	535	
58	Pre-Selected Message PGM	536	
59	Forced Handsfree Call	537	
60	Call Base CLIR	582	
61	CLIR Access	583	
62	COLR Access	584	
63	Pilot Hunt Call	585	
64	One-Way Command Group Call	581	
65	Conference Command Group Call	580	
66	Intrude Register	589	
67	Camp-On Register	590	

BTN	SUB-MENU	DEFAULT	REMARK
68	Voice-Over Register	591	
69	Mobile Extension Number Register	592	
70	Mobile extension CLI Register	593	
71	Mobile Access	594	
72	CCR Access	670	
73	CCR Access and Drop	671	
74	HOLD	560	
75	Return Held CO	8**	
76	System Memo	675	
77	DISA Tone Service	678	
78	All Feature Cancel	679	
79	Add Conference Member	680	
80	System Alarm Reset	565	
81	Fault Alarm Reset	566	
82	Door Open	#*1	
83	Keypad Facility	##*	
84	T-Net Login/Logout	586	
85	Universal Answer	587	
86	USB Call Record	588	
87	Delete All VM Message	681	
88	VM Page Message Record	682	
89	Direct VM Transfer	683	
90	Loop Key	684	
91	Call Log	685	
PGM Code: 114 – CO Group Access Code			
	CO Group Access Code 01 ~ 73	9, 801 ~ 872	
PGM Code: 115 – Station Group Number			
	Station Group 01 ~ Station Group 50	620 ~ 669	

TABLE D-3 STATION PORT DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 120 – Station Type				
1	Station Type			
2	DSS MAP			
3	Serial DSS			
PGM Code: 121 – Station Port Attributes I				
1	Auto Speaker Selection	1: ON, 0: OFF	ON	
2	Headset Mode	0: Speaker 1: Headset 2: Ear-Mic	Speaker	
3	Headset Ring	0: Speaker 1: Headset 2: Both	Speaker	
4	Group Listening	1: ON, 0: OFF	OFF	
5	Keyset Admin	1: ON, 0: OFF	ON	
6	No Touch Answer	1: ON, 0: OFF	OFF	
7	Howling Tone	1: ON, 0: OFF	ON	
8	Dummy Terminal	1: ON, 0: OFF	OFF	
9	Port Blocking	1: ON, 0: OFF	OFF	
10	Use Bluetooth	1: ON, 0: OFF	OFF	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
11	SLT Line Length	0: Short 1:Longt 2: Far	Short	
12	System Alarm Report	EN/DIS	DISABLE	
13	Door Open Access	EN/DIS	DISABLE	
PGM Code: 122 – Station Port Attributes II				
1	LCD Languge Display mode	00: English 01: Italian 02: Finnish 03:Dutch 04: Swedish 05: Danish 06: Norwegian 07: Hebrew 08: Germany 09: French 10: Portuguese 11: Spanish 12: Korean 13: Estonian 14: Russian	Korean	
2	LCD Date Display Mode	1: MMDDYY 0: DDMMYY	DDMMYY	
3	LCD Time Display Mode	1: 24 Hour Mode 0: 12 Hour Mode	12 Hour Mode	
4	Backlight Usage	0:Always Off 1: Busy Only 2: Always On	Busy Only	
5	LIP-8000 Phone Font	0: Time New Roman 1: Gothic	Time New Roman	
6	LIP-8000 Phone LCD Brightness	01-15	07	
7	Group Queue Display	1: ON, 0: OFF	OFF	
PGM Code: 123 – Station Port Attributes III				
1	Prime Number	01-48	01	
2	Zone Number	1-9	1	
3	Automatic Hold	1: ON, 0: OFF	OFF	
4	Enblock Dial Mode	1: ON, 0: OFF	OFF	
5	Intercom Answer Mode	1: Handsfree 2: Tone 3: Privacy	Tone	
6	Data Line Security	1: ON, 0: OFF	OFF	
7	Sending Progress Indicator	1: ON, 0: OFF	OFF	
8	Fax Mode	1: ON, 0: OFF	OFF	
9	DTMF Confirmation Tone When Redial	1: ON, 0: OFF	ON	
10	Mute Ring Service	1: No Ring 0: Mute Ring	Mute Ring	
11	Auto Idle Service	1: Manual 0: Auto	Auto	
PGM Code: 124 – Station Port Attributes IV				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Message-Wait Indication	0: Not Assign 1: Ring LED 2: MW Remind Tone 3: Ring LED + MW Remind Tone	MW Remind Tone	
2	Apply Differential Ring	0: All ring 1: Normal Ring	All ring	
3	Intercom Differential Ring ID	0-254	1	
4	CO Differential Ring ID	0-254	1	
5	COS Apply	0: Sub-DN 1: My-DN	Sub-DN	
6	Hook Flash When Transfer	0: Cancel Transfer 1: Camp-ON 2: Conference	Cancel Transfer	
7	Off-Hook On Paged	0: Paged 1: Dial Tone	Paged	
8	Preferred Line Answer	1: ON, 0: OFF	ON	
9	Pick-Up By DSS Button	0: Disable 1: Group Pick-Up 2: Direct Pick-Up	Direct Pick-Up	
10	CTI IP Address	0.0.0.0	0.0.0.0	
PGM Code: 126 – Flexible Button Assignment				
1	Button Type	Not Assigned Station DSS CO Number Loop Key CO group Access Station Group Number Dial Number Directory Number REDIAL SPEED CONFERENCE MUTE Call Back DND/FWD Transfer Flash PTT		
2	Ring Option (Button Type Directory Number)	Immediate Ring Delay Ring 1-9 No Ring		
3	Button Access Type	0: Changeable 1: Unchangeable		In case Button Type is Directory Number All Call Dial after Seizure Incoming Only

TABLE D-4 STATION NUMBER DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 130 – Station DN Assignment				
1	Station DN Type	1: SADN Normal 2: MADN 3: SADN-Hotdesk		
2	DN Number View			
PGM Code: 131 – Station DN Attributes I				
1	Station Name			
2	Tenant Group	1-9(MG-300) 1-5(MG-100)	1	
3	Digit conversion Table	1-9	1	
4	Password			
5	Busy Service	0: Busy Tone 1: Camp-On 2: Call-Wait 3: Pilot Hunt	Busy Tone	
6	Charge Mode	Free Report	Report	
7	SMDR Dial Digit Hidden	EN/DIS	DISABLE	
8	Hotdesk Agent number	1: ON, 0: OFF	OFF	
9	Time Table Index	None, 1-9	None	
PGM Code: 122 – Station DN Attributes II				
1	Forced Handsfree Access	EN/DIS	DISABLE	
2	Forward Access	EN/DIS	ENABLE	
3	Offnet-Forward Access	EN/DIS	ENABLE	
4	DND Access	EN/DIS	ENABLE	
5	Intrusion Access	EN/DIS	DISABLE	
6	Mobile Extension Access	EN/DIS	ENABLE	
7	Hook Flash Mode	0: Flash Normal 1: Flash Ignore 2: Flash Drop 3: Hold Release	Flash Normal	
8	Auto Pick-Up	EN/DIS	DISABLE	
PGM Code: 133 – Station DN Attributes III				
1	CO Queue Access	EN/DIS	ENABLE	
2	Conference Access	EN/DIS	ENABLE	
3	Wake-Up Access	EN/DIS	ENABLE	
4	Station Call Back Access	EN/DIS	ENABLE	
5	ACNR Access	EN/DIS	ENABLE	
6	Absence Notice Access	EN/DIS	ENABLE	
7	Call Wait Access	EN/DIS	ENABLE	
8	Camp-On Access	EN/DIS	ENABLE	
9	Voice Over Access	EN/DIS	DISABLE	
10	Prepaid Call Access	EN/DIS	DISABLE	
11	Keypad Facility Usage	EN/DIS	DISABLE	
PGM Code: 134 – Station DN Attributes IV				
1	Speed Access	EN/DIS	ENABLE	
2	Page Access	EN/DIS	ENABLE	
3	Meet-Me Page Access	EN/DIS	ENABLE	
4	CO Call Duration Restrict	EN/DIS	DISABLE	
5	SLT Block Back Call	EN/DIS	DISABLE	
6	Pilot Hunt Ring	EN/DIS	ENABLE	
7	ACR User	1: ON, 0: OFF	OFF	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
8	Wake-Up Time			
9	Repeat Wake-Up	1: ON, 0: OFF	OFF	
10	Branch Line / Bridge Line Mode	0: OFF 1: Branch 2: Bridge 3:Bridge-Softphone	OFF	
11	Auto Privacy	1: ON, 0: OFF	OFF	
PGM Code: 135 – Station DN Attributes V				
1	CLIP Display	EN/DIS	ENABLE	
2	COLP Display	EN/DIS	ENABLE	
3	CLI Redirect	CLI/Redirect	CLI	
4	CLIP When Outgoing	EN/DIS	DISABLE	
5	COLP When Incoming Answer	EN/DIS	DISABLE	
6	CLI Number			
7	Call Forward CLI / Redirect	CLI/Redirect	CLI	
8	Ignore Caller's CLIP Option	EN/DIS	DISABLE	
9	Mobile Extension CLI	Caller Number Mobile Number Caller + Mobile	Caller Number	
10	Long CLI 1			
11	Long CLI 2			
12	Long CLI 3			
13	CLI Name Display	EN/DIS	DISABLE	
PGM Code: 137 – COS Assignment				
1	Day COS			
2	Night COS			
3	Timed COS			
PGM Code: 138 – Auto Dial Attribute				
1	Auto Dial Digit			
2	Auto Dial Pause Time	00-30	00	1sec
PGM Code: 142 – Preset Call Forward				
1	Internal Unconditional			
2	Internal Busy			
3	Internal No-Answer			
4	External Unconditional			
5	External Busy			
6	External No-Answer			
PGM Code: 143 – Call Forward				
1	Forward Type	Not Assigned Unconditional Busy No-Answer Busy / No-Answer	Not Assigned	
2	Forward Number			
3	Forward Apply Time	0: All 1: Day 2: Night 3: Timed	All	
4	Call-Forward No-Answer Timer	000-600	15	
5	Forward Information Display	1: ON, 0: OFF	ON	
PGM Code: 145 – VMIB Attribute				
1	VMIB Access	EN/DIS	DISABLE	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Prompt Language Index	1: First 2: Second 3: Third	First	
3	Auto-Record Service	EN/DIS	DISABLE	
4	Two-Way Record Access	EN/DIS	DISABLE	
5	Two-Way Recording Destination			
6	VM Message Backup Phontage Number			
7	VM Message Backup Delete	EN/DIS	DISABLE	
8	VMIB Message Retrieve Type	0: LIFO 1: FIFO	LIFO	
9	VMIB New Message Number			
10	VMIB Saved Message Number			
	VM MSG-SMTP Mail Server IP Address			
	VM MSG-User Mail Address			
	VM MSG-SMTP Mail Server ID			
	VM MSG-SMTP Mail Server Password			
	VM MSG-Attach Message	1: ON, 0: OFF	OFF	
PGM Code: 146 – Mobile Extension Attribute				
1	Mobile EXT 1 Enable	1: ON, 0: OFF	OFF	
2	Mobile EXT 1 Number			
3	Mobile EXT 1 CLI			
4	Mobile EXT 2 Enable	1: ON, 0: OFF	OFF	
5	Mobile EXT 2 Number			
6	Mobile EXT 2 CLI			
7	Mobile Service Mode	0: All Call 1: Service CLI Only	All Call	
8	Mobile Service CLI 1			
9	Mobile Service CLI 2			
10	Mobile Service CLI 3			
11	Mobile Service CLI 4			
12	Mobile Service CLI 5			
PGM Code: 150 – CO Group Access				
	CO Group Access	Group 01-72	01 only	
PGM Code: 151 – Page Group Access				
	Page Group Access	Group 01-30		
PGM Code: 151 – Command Group Access				
	Command Group Access	Group 01-10		

TABLE D-5 CO LINE DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 160 – CO Line Attributes I				
1	CO Line Type			
2	Service Type	0: Normal 1: DID	Normal	
3	Outgoing Group Number	01-72	01	
4	Incoming Group Number	01-72	01	
5	Tenant Number	1-9(MG-300) 1-5(MG-100)	1	
6	Digit Conversion Table	1-9	1	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
7	Signal Type	0: No Signal 1: Send Wink 2: Wait Seize Ack 3: Send Wink & Wait Seize Ack 4: Send Sub Answer & Wait Sub Answer 5: Send Wink & Send Sub answer 6: Wait Ack & Wait Sub Answer 7: Send Wink and Sub Answer & Wait Wink and Sub Answer	No Signal	
8	Release Timing	0: First Release 1: Caller Release 2: Called Release	First Release	
9	Incoming/Outgoing Mode	0: Incoming 1: Outgoing 2: Both	Both	
10	Dialing Type	0: DTMF 1: Pulse 2: R2	DTMF	
11	Charge Mode	0: Free 1: Report	Report	
12	Metering Usage	None 12KHz 16KHz 50Hz SPR PPR NPR AOC(Standard) AOC1(Italy, Spain) AOC2(Finland) AOC3(Australia) AOC4(Belgium) AOC5(Netherlands)	None	
PGM Code: 161 – CO Line Attributes II				
1	VOIP/QSIG Mode	Not Assigned SIP/PRI H323 QSIG	Not Assigned	
2	Drop Type	0: LOOP 1: Polarity	LOOP	
3	Flash Type	0: LOOP 1: Ground	LOOP	
4	Flash Timer	000-300	050	10msec
5	Open Loop Timer	00-20	00	100msec
6	Line Length	0Km 3Km 5Km 7Km	0Km	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
7	Zone Number	1-9	1	
8	VMIB Prompt Language Index	First Prompt Second Prompt Third Prompt	First Prompt	
9	ISDN CD	1: ON, 0: OFF	OFF	
PGM Code: 162 – CO Line Attributes III				
1	CO Access Mode	0: Blocked Line 1: Normal CO Line 2: Dedicated Line	Normal CO Line	
2	Digit Sending Mode	Overlap Enblock	Overlap	
3	Max Digit Length	00-32	32	
4	Min Digit Length for Overlap Mode	00-32	00	
5	Check Password	1: ON, 0: OFF	OFF	
6	R2 Connect Mode	0: END-to-END 1: LINK-by-LINK	END-to-END	
7	R2MFC Backward Value	01-15	01	
8	Dummy Dial Tone Service	1: ON, 0: OFF	OFF	
PGM Code: 163 – CO Line Attributes IV				
1	CID Mode	0: Disable 1: FSK 2: DTAS FSK 3: DTMF 4: Russia-CID	Disable	
2	Russia CID Detect	1: ALL / 0: Local	All	
3	Russia CID Request	1: Auto / 0: User	Auto	
4	Russia CID Digit Number	04-10	7	
5	Russia CID No-Answer Timer	001-300	20	1Sec
6	Russia CID Request Count	1-3	1	
7	Russia CID Request First Delay Timer	010-150	020	10msec
8	Russia CID Request Retry Delay Timer	10-30	10	10msec
PGM Code: 165 – Incoming CO Attributes I				
1	CO Name			
2	ISDN Screen Indicator	0: User Provided, Not Screened 1: User Provided, Verified & Passed	User Provided, Not Screened	
3	Calling Type	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	National	
4	Calling Numbering Type	0: Unknown 1: ISDN Telephony Numbering Plan 2: Data 3: Telex 4: National Standard 5: Private	Unknown	
5	Sending Progress Indicator	1: ON, 0: OFF	OFF	
6	R2 ANI Service Request	1: ON, 0: OFF	OFF	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
7	ICLID Service	1: ON, 0: OFF	OFF	
8	Own Code Add to Transit CLI	1: ON, 0: OFF	OFF	
9	Own Code			
10	CLI Prefix Code			
11	International Code			
12	Transit CLI 1			
13	Transit CLI 2			
14	Transit CLI 3			
15	CLI Conversion Table Index	None, 1-9	None	
PGM Code: 166 – Incoming CO Attributes II				
1	Provide Dial Tone	1: ON, 0: OFF	OFF	
2	BLF Usage	1: ON, 0: OFF	ON	
3	Unsupervised Conference Extend	1: ON, 0: OFF	OFF	
4	Block After Clear Forward Waiting Time	1: ON, 0: OFF	OFF	
5	CPT Detect	1: ON, 0: OFF	ON	
6	Answer to Waiting Call	1: ON, 0: OFF	OFF	
7	Universal Answer	1: ON, 0: OFF	OFF	
8	Release Guard Time	00-15	1	1sec
9	Unsupervised Conference Timer	000-255	0	1min
10	Clear Forward Waiting Timer	001-300	300	1sec
11	Max Ring Time	015-300	120	1sec
12	DISA Supervision Timer	1-9	2	1sec
13	VMIB Play Delay Timer	0-9	0	1sec
14	Incoming Time Table Index	None, 1-9	None	
PGM Code: 167 – CO Ring Assignment				
1	Day	Flex1 - Service Type 0: Ring Assign 1: Feature Code Flex2 - Feature Not Assigned CCR CCR Drop DISA Tone Digits Flex3 - Feature Delay Felx4 - Member Display Flex5 - Member Assign	Ring Assign Not Assign Delay 0 Member 100	
2	Night	Flex1 - Service Type 0: Ring Assign 1: Feature Code Flex2 - Feature Not Assigned CCR CCR Drop DISA Tone Digits Flex3 - Feature Delay Felx4 - Member Display Flex5 - Member Assign	Ring Assign Not Assign Delay 0 Member 100	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
3	Timed	Flex1 - Service Type 0: Ring Assign 1: Feature Code Flex2 - Feature Not Assigned CCR CCR Drop DISA Tone Digits Flex3 - Feature Delay Felx4 - Member Display Flex5 - Member Assign	Ring Assign Not Assign Delay 0 Member 100	
PGM Code: 168 – Normal/DISA CO Attributes				
1	Day	Flex1 - CO Access From DISA 1: ON, 0: OFF Flex2 - DISA Account Code 1: ON, 0: OFF Flex3 - DISA Retry Count 1 - 9 Felx4 –Preset Forward Time 0 - 20 Flex5 - Preset Forward Ring Table Index 1 - 80	OFF OFF 3 0	1sec
2	Night	Flex1 - CO Access From DISA 1: ON, 0: OFF Flex2 - DISA Account Code 1: ON, 0: OFF Flex3 - DISA Retry Count 1 - 9 Felx4 –Preset Forward Time 0 - 20 Flex5 - Preset Forward Ring Table Index 1 - 80	OFF OFF 3 0	1sec
3	Timed	Flex1 - CO Access From DISA 1: ON, 0: OFF Flex2 - DISA Account Code 1: ON, 0: OFF Flex3 - DISA Retry Count 1 - 9 Felx4 –Preset Forward Time 0 - 20 Flex5 - Preset Forward Ring Table Index 1 - 80	OFF OFF 3 0	1sec
PGM Code: 169 – Incoming CO Alternative				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Day	Flex1 - Busy Flex2 - No-Answer Flex3 - Vacant Number Flex4 - Transfer No-Answer Flex5 - Recall No-Answer Flex6 - DND Flex7 - Handset Lifted Flex8 - Error 1: Disconnect 2:Attendant 3:CO Ring Assign 4:ALT Ring Table 5:Tone 6:Pilot Hunt Group	Disconect	1sec
2	Night	Flex1 - Busy Flex2 - No-Answer Flex3 - Vacant Number Flex4 - Transfer No-Answer Flex5 - Recall No-Answer Flex6 - DND Flex7 - Handset Lifted Flex8 - Error 1: Disconnect 2:Attendant 3:CO Ring Assign 4:ALT Ring Table 5:Tone 6:Pilot Hunt Group	Disconect	1sec
3	Timed	Flex1 - Busy Flex2 - No-Answer Flex3 - Vacant Number Flex4 - Transfer No-Answer Flex5 - Recall No-Answer Flex6 - DND Flex7 - Handset Lifted Flex8 - Error 1: Disconnect 2:Attendant 3:CO Ring Assign 4:ALT Ring Table 5:Tone 6:Pilot Hunt Group	Disconect	1sec
PGM Code: 170 – Outgoing CO Attributes I				
1	ISDN Screen Indicator	User Provided, Not Screened User Provided, Verified and Passed	User Provided, Not Screened	
2	Sending Caller Number	1: ON, 0: OFF	ON	
3	Calling Type	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	National	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
4	Calling Numbering Plan Identification	0: Unknown 1: ISDN Telephony Numbering Plan 2: Data 3: Telex 4: National Standard 5: Private	Unknown	
5	Called Numbering Plan Identification	0: Unknown 1: ISDN Telephony Numbering Plan 2: Data 3: Telex 4: National Standard 5: Private	Unknown	
6	Bearer Capability	0: Speedch 1: Unrestricted 2: Restricted 3: 3.1KHz Audio 4:7KHz 5: Video	Speedch	
7	ISDN Line Type	0: A-Law 1: U-Law	A-Law	
8	Sending Complete IE for Information Message	1: ON, 0: OFF	OFF	
9	Make Transit CLI	1: ON, 0: OFF	OFF	
10	Own Code Add to Transit CLI	1: ON, 0: OFF	OFF	
11	Representative CLI Usage	1: ON, 0: OFF	OFF	
12	Representative CLI			
13	Own Code			
14	CLI Type	0: Normal 1: Long CLI 1 2: Long CLI 2 3: Long CLI 3	Normal	
15	Transit CLI Type	0: Normal 1: Long CLI 1 2: Long CLI 2 3: Long CLI 3	Normal	
16	CLI Conversion Table Index			
17	Send Redirection Number	1: ON, 0: OFF	OFF	
PGM Code: 171 – Outgoing CO Attributes II				
1	CPT Detect	1: ON, 0: OFF	ON	
2	Unsupervised Conference Extend	1: ON, 0: OFF	OFF	
3	Provide Ring-Back Tone	1: ON, 0: OFF	OFF	
4	BLF Usage	1: ON, 0: OFF	ON	
5	Release Guard Timer	00-15	2	1sec
6	Unsupervised Conference Timer	000-255	0	1min
7	Max Transfer Ring Timer	001-300	120	sec
8	Outgoing Time Table Index	None, 1-9	None	
PGM Code: 173 – Outgoing CO Alternative				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Day	Flex1 - Recall No-Answer Flex2 - Transfer No-Answer Flex3 - No-Answer 1: Disconnect 2:Attendant 3:CO Ring Assign 4:ALT Ring Table 5:Tone 6:Pilot Hunt Group	Disconnect	
2	Night	Flex1 - Recall No-Answer Flex2 - Transfer No-Answer Flex3 - No-Answer 1: Disconnect 2:Attendant 3:CO Ring Assign 4:ALT Ring Table 5:Tone 6:Pilot Hunt Group	Disconnect	
3	Timed	Flex1 - Recall No-Answer Flex2 - Transfer No-Answer Flex3 - No-Answer 1: Disconnect 2:Attendant 3:CO Ring Assign 4:ALT Ring Table 5:Tone 6:Pilot Hunt Group	Disconnect	
PGM Code: 174 – CO Inter-Digit Timer				
1	Seize Wait Time	005-200	50	100msec
2	First Digit	010-200	100	100msec
3	Second Digit	010-200	80	100msec
4	Third Digit	010-200	70	100msec
5	Fourth Digit	010-200	60	100msec
6	Fifth Digit	010-200	50	100msec
7	More than 6th Digit	010-200	40	100msec
PGM Code: 175 – DTMF Send Interval				
1	First DTMF Delay	00-90	5	100msec
2	Second DTMF Delay	00-90	2	100msec
3	Third DTMF Delay	00-90	2	100msec
4	Fourth DTMF Delay	00-90	2	100msec
5	Fifth DTMF Delay	00-90	2	100msec
6	Sixth DTMF Delay	00-90	2	100msec
7	More than 7	00-90	2	100msec
PGM Code: 177 – CO COS Assignment				
1	Day COS	00-15	00	
2	Night COS	00-15	00	
3	Timed COS	00-15	00	
GM Code: 179 – CO–to–CO Attributes				
1	Station Outgoing Call Transfer	EN/DIS	ENABLE	First: Outgoing / Second: Outgoing
2	Attendant Outgoing Call Transfer	EN/DIS	ENABLE	First: Outgoing / Second: Outgoing
3	Outgoing Transfer Release Type	0: None 1: Release After Time	None	First: Outgoing / Second: Outgoing

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
4	Outgoing Transfer Release Time	000-300	60	1sec
5	Incoming Call Transfer Directly	EN/DIS	DISABLE	First: Incoming / Second: Outgoing
6	Station Incoming Call Transfer	EN/DIS	ENABLE	First: Incoming / Second: Outgoing
7	Attendant Incoming Call Transfer	EN/DIS	ENABLE	First: Incoming / Second: Outgoing
8	Incoming Transfer Release Type	0: None 1: Release After Time	None	First: Incoming / Second: Outgoing
9	Incoming Transfer Release Time	000-300	60	1sec
PGM Code: 180 – CO Group Access Code				
1	Access Code Name			
2	CO Line choice	0: Round Robin 1: Last Line 2: First Line	Round Robin	
3	Outgoing Group Number	01-72		
4	AND Digit			
5	ARS Service	1: ON, 0: OFF	OFF	
6	ARS Digit 1			
7	ARS Digit 2			
PGM Code: 181 – Alternative Ring Table				
1	Service Type	0: Ring Assign 1: Feature	Ring Assign	
2	CO Ring Assign			
3	Feature Code	Not Assigned Station Group CCR CCR Drop DISA Tone Digits	Not Assigned	
4	Feature Delay	0		

TABLE D-6 STATION GROUP DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 200 – Station Group Assignment				
1	Group Type	Not Assign Terminal Circular Ring Longest Idle Voice Mail	Not Assign	
2	Group Name			
3	Tenant Number	1-9(MG-300) 1-5(MG-100)	1	
4	Time Table Index	1-9	1	
5	Pick-Up Option	0: Disable 1: All Call 2: Intercom Call 3: External Call	Disable	
6	Member Assignment	Station	-	Not applicable VM group
PGM Code: 201 – Station Group Attributes I				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Greeting Tone Type	0: Normal 1: Prompt 2: Announcement 3: Internal MOH 4: External MOH	Normal	
2	Greeting Play Timer	000-180	0	1sec
3	Greeting Tone Number	01-19		
4	Greeting Prompt/Announcement Table Number			
5	Greeting Repeat Count	000-100	3	
6	Greeting Repeat Delay Timer	000-100	0	1sec
7	Queuing Tone Type	0: Normal 1: Prompt 2: Announcement 3: Internal MOH 4: External MOH	Internal MOH	
8	Greeting/Queuing Timeout Timer	000-300	30	1sec
9	Queuing Tone Number	01-19		
10	Queuing Prompt/Announcement Table Number			
11	Queuing Repeat Count	000-100	3	
12	Queuing Repeat Delay Timer	000-100	0	1sec
PGM Code: 202 - Station Group Attributes II				
1	Call-In Greeting	0: After Greeting 1: In Greeting		
2	Max Queue Count	00-99		
3	Forward Type	0: Not Used 1: Unconditional 2: Queuing Overflow 3: Time Out 4: Queuing Overflow / Time Out	Not Used	
4	Apply Time Type	0: All 1: Day 2: Night 3: Timed	All	
5	Forward Destination			
6	Wrap-Up Timer	000-600	10	100mec
7	Member No-Answer Timer	50-600	150	100msec
PGM Code: 203 – Voice Mail Group				
1	Put Mail Index	1-9	1	
2	Get Mail Index	1-9	2	
3	Busy Index	1-9	3	
4	No-Answer Index	1-9	4	
5	Disconnect Index	1-9	9	
6	SMDI Type	0: Type 1 1: Type 2	Type 1	
7	SMDI CLI Information	1: ON, 0: OFF	OFF	
PGM Code: 204 – Call Pick-Up Group				
1	Pick-Up Condition	0: All call 1: Intercom Call 2: External Call	All call	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Pick-Up Member Assignment	Station		
PGM Code: 205 – Page Group				
1	Page Member Assignment	Station		
PGM Code: 206 – Command Conference Group				
1	On Hook Service	0: On-Hook 1: Recall	On-Hook	
2	One-Way Busy	0: Busy 1: Request Queuing 2: Recover Call	Busy	
3	Both-Way Busy	0: Busy 1: Request Queuing 2: Recover Call	Busy	
4	Command Group Member Assignment			
PGM Code: 208 – PTT Group				
1	PTT Member Assignment	Station		
PGM Code: 209 – Interphone Group				
	Digit '0' Service	Station		
	Digit '1' Service	Station		
	Digit '2' Service	Station		
	Digit '3' Service	Station		
	Digit '4' Service	Station		
	Digit '5' Service	Station		
	Digit '6' Service	Station		
	Digit '7' Service	Station		
	Digit '8' Service	Station		
	Digit '9' Service	Station		
PGM Code: 210 – Pilot Hunt Group I				
1	Pilot Hunt Call Service	0: All call 1: Intercom Call 2: External Call	All call	
2	Service Type	0: Terminal 1: Circular	Circular	
3	Time Table Index	1-9(MG-300) 1-5(MG-100)	1	
4	Pilot Hunt Member Assignment			
PGM Code: 211 – Pilot Hunt Group II				
1	Day Forward Type	0: Not Used 1: Unconditional 2: Busy 3: No-Answer 4: Busy/No-Answer	Not Used	
2	Day Forward Destination			
3	Night Forward Type	0: Not Used 1: Unconditional 2: Busy 3: No-Answer 4: Busy/No-Answer	Not Used	
4	Night Forward Destination			

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
5	Timed Forward Type	0: Not Used 1: Unconditional 2: Busy 3: No-Answer 4: Busy/No-Answer	Not Used	
6	Timed Forward Destination			

TABLE D-7 SYSTEM DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 220 – System Timer I				
1	CO-to-CO Transfer Timer	000-300	30	1sec
2	Hot-Desk Logout Timer	00-24	0	1hour
3	ACNR Pause Timer	5-300	30	1 sec
4	Paging Timeout Timer	0-300	15	1 sec
5	Pause Timer	1-9	3	1 sec
6	Voice Mail Pause Timer	1-9	3	1 sec
7	VMIB Message Minimum Record Timer	1-9	4	1 sec
8	VMIB Message Maximum Record Timer	1-999	60	1 sec
9	Call Wait Warning Timer	10-180	30	1 sec
10	Camp-On Warning Timer	10-180	30	1 sec
11	CCR Inter-Digit Timer	1-30	3	1 sec
12	Web Password Guard Timer	1-999	5	1min
PGM Code: 221 – System Timer II				
1	SLT Hook Switch Bounce Timer	1-25	1	100msec
2	SLT Maximum Hook Flash Timer	1-25	5	100msec
3	SLT Minimun Hook Flash Timer	0-250	20	10msec
4	LCO Ring ON Timer	1-9	2	100msec
5	LCO Ring OFF Timer	10-150	60	100msec
6	LCO Release Guard Timer	1-150	10	100msec
PGM Code: 222 – System Timer III				
1	Door Open Timer	5-99	20	100msec
2	Message Wait Alert Tone Timer	0-60	0	1min
3	Inter-Digit Timer	0-300	15	1sec
4	Incoming CO Inter-Digit Timer	1-60	15	1sec
PGM Code: 223 – System Attributes				
1	Web Admin Password Encryption	1: ON, 0: OFF	OFF	
2	Pulse Dial Break/Make Ratio	0: 60/40 1: 66/33 2: 50/50	60/40	
3	Voice Mail SMDI Interface	1: ON, 0: OFF	OFF	
4	VMIB SMTP Port	0000-9999	25	
5	Network Time/Date	0: Disable 1: ISND Clock 2: NTP	Disable	
6	CLI Print	1: ON, 0: OFF	OFF	
7	TLS for Web	1: ON, 0: OFF	OFF	
8	Web Server Port	00001-65535	80	
9	Database Auto USB Download	1: ON, 0: OFF	OFF	
10	Database Auto USB Download Hour	00-23	0	
11	UC Server IP Address	IP Addr	0.0.0.0	
12	CTI Server IP Address	IP Addr	0.0.0.0	
13	Modem Associated CO Line	CO Number	0	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 226 – System Password				
1	User ID & Password			
2	Admin ID & Password			
3	Maint ID & Password			
PGM Code: 227 – Alarm Attributes				
1	Alarm Enable	1: ON, 0: OFF	OFF	
2	Alarm Contact Type	0: Open 1: Close	Open	
3	Alarm Mode	0: Bell 1: Alarm	Alarm	
4	Alarm Signal Mode	0: Once 1: Repeat	Repeat	
PGM Code: 228 – External Control Contact				
	External Contact Type	Not Used LBC Door Open External Paging	Not Used	
PGM Code: 229 – Music Source				
1	ICM Box Music Type	NO BGM Internal Music External Music VMIB BGM 1 VMIB BGM 2 VMIB BGM 3 VMIB BGM 4 SLT MOH 1 SLT MOH 2 SLT MOH 3 SLT MOH 4 SLT MOH 5	NO BGM	
2	Internal Music Type	Romance Turkish March Green Sleeves Fur Elise Carmen Waltz Pavane Sichiliano Sonata Spring Campanella Badinerie Blue Danube	Romance	
3	VMIB MOH 1 Assignment	Announcement		
4	VMIB MOH 2 Assignment	Announcement		
5	VMIB MOH 3 Assignment	Announcement		
6	VMIB MOH 4 Assignment	Announcement		
7	SLT MOH 1 Assignment	Station		
8	SLT MOH 2 Assignment	Station		
9	SLT MOH 3 Assignment	Station		
10	SLT MOH 4 Assignment	Station		
11	SLT MOH 5 Assignment	Station		
PGM Code: 230 – RS-232 Setting				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Baud Rate	1: 9600 Baud 2: 19200 Baud 3: 38400 Baud 4: 57600 Baud 5:115200 Baud	115200 Baud	
2	Page Break	1: ON, 0: OFF	OFF	
3	Line Per Page	001-199	66	
4	XON / XOFF	0: XOFF 1: XON	XOFF	
PGM Code: 231 – Serial Port Selection				
1	On-Line SMDR Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	
2	Off-Line SMDR/Statistics Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	
3	SMDI Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	
4	Call Information Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	
5	Traffic Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	
6	Trace Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
7	ADMIN Data Print	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port	
PGM Code: 232 -SMDR Attributes				
1	SMDR Save Enable	1: ON, 0: OFF	OFF	
2	SMDR Print Enable	1: ON, 0: OFF	OFF	
3	Record Type	0: All Call 1: Long Distance	All Call	
4	Long Distance Call Digit Counter	07-15	07	
5	Print Incoming Call	1: ON, 0: OFF	OFF	
6	Print Lost Call	1: ON, 0: OFF	OFF	
7	SMDR Currency Unit			
8	SMDR Cost per Metering Pulse			
9	SMDR Fraction	0-5	0	
10	SMDR Transfer Charge Mode	0: Individual 1: Integrate Transferring 2: Integrate Transferred	Individual	
11	SMDR Attendant Charge Mode	0: Normal Charging 1: Attendant Charging 2: Transferred Charging	Normal Charging	
12	SMDR Dialed Digit Hidden Number	0-9	0	
13	SMDR Hidden Position	0: Left 1: Right	Right	
14	SMDR ICM Save	1: ON, 0: OFF	OFF	
15	SMDR ICM Print	1: ON, 0: OFF	OFF	
16	SMDR Interface Service	1: ON, 0: OFF	OFF	
17	SMDR Interface Connection Type	0: SIO 1: LAN	SIO	
18	SMDR Interface AUTH Index	1: ON, 0: OFF	OFF	
	SMTP Mail Server IP Address	IP Addr	0.0.0.0	
	SMDR User Mail Address			
	SMDR System Domain Name			
	SMDR Mail Send Weekly Set	Not Assign MON TUE WED THU FRI SAT SUN	Not Assign	
	SMDR Mail Send Daily Set	00-23	00	
	SMDR Mail Auto Send Set	1: ON, 0: OFF	OFF	
	SMDR Mail Auto Delete Set	1: ON, 0: OFF	OFF	
PGM Code: 233 – System Date & Time				
1	System Time	(HH:MM)		
2	System Date	(MMDDYY)		

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
3	DST Enable Mode	1: ON, 0: OFF	OFF	
4	DST Start Time			
5	DST End Timer			
	Network Time / Date	Disable ISDN Clock NTP		
	NTP Primary Server Address			
	NTP Secondary Server Address			
	Standard Time Zone			
PGM Code: 234 -LED Flashing Rate				
1	[CALLBK] Intercom	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 30 IPM	- Flash IPM - 15 IPM / 30 IPM / 30 IPM Wink 60 IPM / 60 IPM Wink / 120 IPM / 120 IPM Flutter / 240 IPM / 240 IPM Flutter / 480 IPM / 480 IPM Flutter / 480 IPM Wink / 480 IPM Double
2	[CALL BK] CO Line	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 120 IPM	
3	[CALL BK] MSG Wait	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 120 IPM	
4	[MUTE] Transmission	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
5	[MUTE] COS Change	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 120 IPM	
6	[DND] DND	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
7	[DND] One-Time	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
8	[DND] Preselect MSG	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 15 IPM	
9	[CALL BK] ACNR	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 480 IPM	
10	[SPK] Speaker	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
11	[SPK] Headset	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
12	[SPK] Incoming Call	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
13	[HOLD] Paging	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
14	[HOLD] Voice Over	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
15	[HOLD] Reserved	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
16	[RING] ICM Ring	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
17	[RING] CO Ring	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
18	[RING] MSG Wait	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
19	[HEADSET] Headset	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
20	[HEADSET] Bluetooth	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
21	[DN] I Use	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
22	[DN] Other Use	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
23	[DN] DND	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash off	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
24	[DN] Incoming Call	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
25	[DN] Hold	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
26	[DN] Call Forward	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash off	
27	[DN] I Conference	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
28	[DN] Other Conference	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
29	[DN] Conf Supervisor	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
30	[DSS] Incoming Call	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
31	[DSS] ICM Talk	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
32	DSS] DND	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash off	
33	[DSS] Call Forward	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash off	
34	[DSS] Handset-Lift	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash off	
35	[DSS] Preselected MSG	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash off	
36	[DSS] Hold	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
37	[CO] Call Setup	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
38	[CO] Co Talk	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
39	[DN] VM Message Wait	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 120 IPM	
40	[DSS] VM Message Wait	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 120 IPM	
41	[CO] Command Group Ring	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM	
42	[CO] Command Group Talk	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
43	[CO] I Talk	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED Flash Steady	
44	[CO] Hold	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 60 IPM Wink	
45	[CO] Transfer	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 120 IPM	
46	[CO] Recall	Flex1: Color Red / Green / Amber Flex2: Flash Flash off / On / IPM	RED 480 IPM Flutter	
47	Reserved 1			
48	Reserved 2			
PGM Code: 235 – PPP Attributes				
1	PPP Usage	1: ON, 0: OFF	OFF	
2	PPP Destination	Station		
3	User ID 1			
4	User Password 1			
5	User ID 2			
6	User Password 2			
PGM Code: 236 – Mobile Attributes				
1	Mobile Flash Digit	Max 2 Digit	*	
2	Mobile Input Time	01-20	5	
PGM Code: 237 – Intercom Busy Digit				
1	Step Call	EN/DIS	DISABLE	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Digit ‘1’ Service	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
3	Digit ‘2’ Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
4	Digit ‘3’ Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
5	Digit ‘4’ Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
6	Digit ‘5’ Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
7	Digit ‘6’ Service	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
8	Digit ‘7’ Service	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
9	Digit '8' Service	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
10	Digit '9' Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
11	Digit '0' Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
12	Digit '*' Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
13	Digit '#' Service	0: Not Assign 1: call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign	
PGM Code: 240 – Dial-Tone Digit Table				
	Dummy dial-Tone Digit	Max 6 Digits		
PGM Code: 241 – Executive / Secretary Assign				
1	Executive Number	Station		
2	Secretary 1-3	1-3 Station		
3	ICM Call to Exec.	0: Secretary 1: Sec if Exec DND	Secretary	
4	CO Call To Exec.	0: Secretary 1: Sec if Exec DND	Secretary	
5	Call Executive	0: Off 1: First Sec DND 2: All Sec DND	Off	
6	Sec. Choice	0: First Idle 1: Longest Idle	First Idle	
7	Message Wait Station	0: Executive 1: First Secretary	Executive	
PGM Code: 242 – Executive Access				
	Executive / Executive Access	Each Exec EN/DIS	All DISABLE	
PPTP Attributes				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
	PPTP Server Address	Max 32 Ch		
	PPTP ID	Max 24 Ch		
	PPTP Password	Max 24 Ch		
	PPTP Service CLI	Max 23 Digits		

TABLE D-8 TABLE DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 250 – Toll Exception Table				
1	Allow Table (Index 001-100)	Max 16 Digits		
2	Deny Table (Index 001-100)	Max 16 Digits		
PGM Code: 251 – Digit Conversion Table				
	Digit Conversion Table 1-9 Each Table Index 001-300			
1	Apply Time Type	0: Unconditional 1: Follow Day/Night/Timed 2: Follow LCR	Unconditional	
2	Dialed Digit	Max 16 Digits		
3	Unconditional Changed Digit	Max 16 Digits		When Apply Time Type is “Unconditional”
4	Day Changed Digit	Max 16 Digits		When Apply Time Type is “Follow Day/Night/Timed”
5	Night Changed Digit	Max 16 Digits		When Apply Time Type is “Follow Day/Night/Timed”
6	Timed Changed Digit	Max 16 Digits		When Apply Time Type is “Follow Day/Night/Timed”
7	Day1-Time1 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
8	Day1-Time2 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
9	Day1-Time3 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
10	Day2-Time1 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
11	Day2-Time2 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
12	Day2-Time3 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
13	Day3-Time1 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
14	Day3-Time2 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
15	Day3-Time3 Changed Digit	Max 16 Digits		When Apply Time Type is “Follow LCR”
PGM Code: 252 – Digit Conversion Option				
	Digit Conversion Table 1-9			
1	Display Conversion Digit	1: ON, 0: OFF	OFF	
2	Print Conversion Digit	1: ON, 0: OFF	OFF	
PGM Code: 253 – System Time Table				
	System Time Table 1-9			
1	Time Zone Comment	MAX 32 Ch		

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Time Zone	System Time / GNT Time		
3	Daylight Saving Time	1: ON, 0: OFF	OFF	
4	Ring Mode	0: Day 1: Night 2: Timed	Day	
5	Auto Ring Mode	1: ON, 0: OFF	OFF	
PGM Code: 254 – Weekly Time Table				
	Weekly Time Table 1-9			
1	Monday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	09:00 18:00 Workday	
2	Tuesday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	09:00 18:00 Workday	
3	Wednesday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	09:00 18:00 Workday	
4	Thursday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	09:00 18:00 Workday	
5	Friday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	09:00 18:00 Workday	
6	Saturday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	 00:00 Holiday	
7	Sunday	Flex1: Day Start Time Flex2:Night Start Time Flex3:Timed Start Time Flex4:Timed End Time Flex5: Wok / Holiday	 00:00 Holiday	
PGM Code: 255 – LCR Time Table				
	LCR Time Table 1-9			
1	Day Zone Definition Monday Tuesday Wednesday Thursday Friday Saturday Sunday	Zone1 / Zone2 / zone3	 Zone 1 Zone 1 Zone 1 Zone 1 Zone 1 Zone 1 Zone 1	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Day Zone 1	Flex1: Time Zone1 Flex1: Time Zone2 Flex1: Time Zone3	00:00	
3	Day Zone 2	Flex1: Time Zone1 Flex1: Time Zone2 Flex1: Time Zone3	00:00	
4	Day Zone 3	Flex1: Time Zone1 Flex1: Time Zone2 Flex1: Time Zone3	00:00	
PGM Code: 256 – Holiday Time Table				
	Holiday Table 1-9 Each Table Index 01-50			
1	Lunar Calendar	1: ON, 0: OFF	OFF	
2	Holiday Date			
PGM Code: 257 – System Speed dial				
	Speed Dial Table Index 2000 – 3999			
1	System Speed Dial	Max 32 Digits		
2	System Speed Name	Max 16 Ch		
3	Toll Free	1: ON, 0: OFF	OFF	
4	Tenant Number	1-9(MG-300) 1-5(MG-100)	1	
PGM Code: 258 – Emergency Code Table				
	Emergency Table Index 01-50			
1	Dialed Digit	Max 16 Digits		
2	Changed Digit	Max 16 Digits		
3	Tenant number	1-9(MG-300) 1-5(MG-100)	1	
PGM Code: 259 – Announcement Table				
	Announcement Table Index 001-100			
	First	1:VMIB Slot 2:Announce Num		
	Second	1:VMIB Slot 2:Announce Num		
	Third	1:VMIB Slot 2:Announce Num		
	Fourth	1:VMIB Slot 2:Announce Num		
	CCR	1-100		
PGM Code: 260 – CCRTable				
	CCR Table Index 001-100			
1	Digit '1'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Digit '2'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
3	Digit '3'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
4	Digit '4'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
5	Digit '5'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
6	Digit '6'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
7	Digit '7'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
8	Digit '8'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
9	Digit '9'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
10	Digit '0'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
11	Digit '*'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
12	Digit '#'	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign	
PGM Code: 262 – ICLID Table				
	ICLID Table Index 001-250			
1	ICLID Number	Max 24 Digits		
2	ICLID Name	Max 16 Ch		
3	Incoming CO Group Number	1 - 72		
4	Day Index	1 – 80		
5	Night Index	1 – 80		
6	Timed Index	1 – 80		
7	Tenant Number	1-9(MG-300) 1-5(MG-100)	1	
PGM Code: 263 – CLI Conversion Table				
	CLI Table 1-9 Each Table Index 01-50			
1	Original CLI	Max 24 Digits		
2	Converted CLI	Max 24 Digits		
PGM Code: 264 – Tone Frequency/Cadence Table				
	19 Tone Source is Defined with Each Frequency and Cadence. Refer to 2.3.7.14 Tone Port Table			
PGM Code: 265 – Ring Table				
1	Normal Call Ring (Station)	1st Ring Port 1-15 2n Ring Port 1-15 3rd Ring Port 1-15 4th Ring Port 1-15	5 6 7 8	
2	Normal Call Ring (CO)	1st Ring Port 1-15 2n Ring Port 1-15 3rd Ring Port 1-15 4th Ring Port 1-15	9 10 11 12	
3	Recall Ring (Station)	1st Ring Port 1-15 2n Ring Port 1-15 3rd Ring Port 1-15 4th Ring Port 1-15	5 6 7 8	
4	Recall Ring (CO)	1st Ring Port 1-15 2n Ring Port 1-15 3rd Ring Port 1-15 4th Ring Port 1-15	9 10 11 12	
5	Forward Call Ring (Station)	1st Ring Port 1-15 2n Ring Port 1-15 3rd Ring Port 1-15 4th Ring Port 1-15	5 6 7 8	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
6	Forward Call Ring (CO)	1st Ring Port 1-15	9	
		2n Ring Port 1-15	10	
		3rd Ring Port 1-15	11	
		4th Ring Port 1-15	12	
7	Transfer Call Ring (Station)	1st Ring Port 1-15	5	
		2n Ring Port 1-15	6	
		3rd Ring Port 1-15	7	
		4th Ring Port 1-15	8	
8	Transfer Call Ring (CO)	1st Ring Port 1-15	9	
		2n Ring Port 1-15	10	
		3rd Ring Port 1-15	11	
		4th Ring Port 1-15	12	
9	Call Back Indication Ring	1st Ring Port 1-15	1	
		2n Ring Port 1-15	1	
		3rd Ring Port 1-15	1	
		4th Ring Port 1-15	1	
10	Wakeup Indication Ring	1st Ring Port 1-15	1	
		2n Ring Port 1-15	1	
		3rd Ring Port 1-15	1	
		4th Ring Port 1-15	1	
11	Revertible Ring	1st Ring Port 1-15	1	
		2n Ring Port 1-15	1	
		3rd Ring Port 1-15	1	
		4th Ring Port 1-15	1	
12	Paging Call Ring	1st Ring Port 1-15	5	
		2n Ring Port 1-15	5	
		3rd Ring Port 1-15	5	
		4th Ring Port 1-15	5	
13	Handsfree Answer Ring	1st Ring Port 1-15	5	
		2n Ring Port 1-15	5	
		3rd Ring Port 1-15	5	
		4th Ring Port 1-15	5	
14	Command Call Ring	1st Ring Port 1-15	5	
		2n Ring Port 1-15	5	
		3rd Ring Port 1-15	5	
		4th Ring Port 1-15	5	
15	Alert Ring	1st Ring Port 1-15	1	
		2n Ring Port 1-15	1	
		3rd Ring Port 1-15	1	
		4th Ring Port 1-15	1	
16	Alarm Ring	1st Ring Port 1-15	13	
		2n Ring Port 1-15	13	
		3rd Ring Port 1-15	13	
		4th Ring Port 1-15	13	
17	Fault Ring	1st Ring Port 1-15	14	
		2n Ring Port 1-15	14	
		3rd Ring Port 1-15	14	
		4th Ring Port 1-15	14	
PGM Code: 266 – Ring Frequency/Cadence Table				
				15 Ring Source is Defined with Each Frequency and Cadence (refer to 2.3.7.15 Ring Port Table)
PGM Code: 269 – Voice Mail Dial Table				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Voice Mail 1 - Put	1:Prefix: 2:Suffix	P#	Max 12 Digits 0~9, *, #, P(Pause), F(Flash)
2	Voice Mail 2 - Get	1:Prefix: 2:Suffix	P##	
3	Voice Mail 3 - Busy	1:Prefix: 2:Suffix	P#*3P	
4	Voice Mail 4 - No Answer	1:Prefix: 2:Suffix	P#*4P	
5	Voice Mail 5 – Error	1:Prefix: 2:Suffix	P#*5P	
6	Voice Mail 6 – DND	1:Prefix: 2:Suffix	P#*6P	
7	Voice Mail 7	1:Prefix: 2:Suffix		
8	Voice Mail 8	1:Prefix: 2:Suffix		
9	Voice Mail 9 - Disconnect		****	

TABLE D-9 TENANT DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 270 – ATD Group Assignment				
1	Group Type	0: Terminal 1: Circular 2: Ring 3: Longest Idle	Terminal	
2	Group Name	Max 16 Ch		
3	CO Attendant Number	Station		
4	Member	Station	100	
PGM Code: 271 – ATD Group Attributes I				
1	Greeting Tone Type	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	Normal	
2	Greeting Play Timer	000-180	0	1sec
3	Greeting Tone No	01-19	4	
4	Greeting Prompt/Announcement Table No	001-255		
5	Greeting Repeat Count	000-100	3	
6	Greeting Repeat Delay Timer	000-100	0	1sec
7	Queuing Tone Type	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	INT MOH	
8	Greeting/Queuing Timeout Timer	010-300	30	1sec
9	Queuing Tone No	01-19		
10	Queuing Prompt/Announcement Table No	001-255		
11	Queuing Repeat Count	000-100	3	
12	Queuing Repeat Delay Timer	000-100	0	1sec
PGM Code: 272 – ATD Group Attributes II				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Call In Greeting	0.After Greeting 1. In Greeting	In Greeting	
2	Max Queue Count	00-99	5	
3	Forward Type	0. NOT USED 1. UNCOND 2. Q Overflow 3. Time out 4. All	NOT USED	
4	Apply Time Type	0. ALL 1. DAY 2. NIGHT 3. TIMED	ALL	
5	Forward Destination			
6	Wrap-Up Timer	000-600	5	100msec
7	Member No-Answer Timer	50-600	150	100msec
8	Attendant Call by Station Number	1: ON, 0: OFF	OFF	
PGM Code: 275 -Night ATD Group Assignment				
1	Group Type	0: Terminal 1: Circular 2: Ring 3: Longest Idle	Terminal	
2	Group Name	Max 16 Ch		
3	Member	Station		
PGM Code: 276 – Night ATD Group Attributes I				
1	Greeting Tone Type	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	Normal	
2	Greeting Play Timer	000-180	0	1sec
3	Greeting Tone No	01-19	4	
4	Greeting Prompt/Announcement Table No	001-255		
5	Greeting Repeat Count	000-100	3	
6	Greeting Repeat Delay Timer	000-100	0	1sec
7	Queuing Tone Type	0. Normal 1. Prompt 2. Annc 3. INT MOH 4. EXT MOH	INT MOH	
8	Greeting/Queuing Timeout Timer	010-300	30	1sec
9	Queuing Tone No	01-19		
10	Queuing Prompt/Announcement Table No	001-255		
11	Queuing Repeat Count	000-100	3	
12	Queuing Repeat Delay Timer	000-100	0	1sec
PGM Code: 277 – Night ATD Group Attributes II				
1	Call In Greeting	0.After Greeting 1. In Greeting	In Greeting	
2	Max Queue Count	00-99	5	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
3	Forward Type	0. NOT USED 1. UNCOND 2. Q Overflow 3. Time out 4. All	NOT USED	
4	Apply Time Type	0. ALL 1. DAY 2. NIGHT 3. TIMED	ALL	
5	Forward Destination			
6	Wrap-Up Timer	000-600	10	100msec
7	Member No-Answer Timer	50-600	150	100msec
PGM Code: 280 – Tenant Attributes I				
1	Tenant Name	Max 16 Ch		
2	Tenant Name Display	1: ON, 0: OFF	OFF	
3	Tenant Time Table Index	1-9	1	
4	ACNR Retry Count	0-5	3	
5	Wake Up Retry Count	0-5	3	
6	Wake Up Retry Time	00-20	1	
7	Auth Retry Count	0-5	3	
8	Multi-Call Forward Service Count	01-10	5	
PGM Code: 281 – Tenant Attributes II				
1	Conference Member Manual Add	1: ON, 0: OFF	ON	
2	Redial Method	0: One Touch All 1: One Touch Log Phone 2: List Dial	List Dial	
3	Dial Digit Process	0: Type 1 1: Type 2 2: Type 3	Type 3	Type1: Restrict -> Convert -> CO Seize Type2:Convert -> Co Seize -> Restrict All Digit Type3:Convert -> CO Seize -> Restrict External number
4	Transfer CO Call to COS 0 Station	1: ON, 0: OFF	ON	
5	Add CO Access Code to Incoming Call Log	1: ON, 0: OFF	ON	
6	Codec Type	1: G.711 2: G.723 3: G.729 4: G.722	G.711	
7	Backlight Option	0.All Off 1.Day On 2.Night On 3.Timed On 4.D/N On 5.D/T On 6.N/T On 7.All On	All Off	
PGM Code: 283 – Tenant Group Access				
	Between Tenant Group Access	EN/DIS	All DISABLE	
PGM Code: 284 – CO Call Restriction I				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	Restriction (Normal CO Line)	0: No Restriction 1: All Call 2: Long / International Call	No Restriction	
2	Restriction (Dedicated CO Line)	0: No Restriction 1: All Call 2: Long / International Call	No Restriction	
3	Service After Restriction Time (Local Call)	0: No Restriction 1: All Call 2: Long / International Call	No Restriction	
4	Service After Restriction Time (Long Distance Call)	0: No Restriction 1: All Call 2: Long / International Call	No Restriction	
5	Service After Restriction Time (International Call)	0: No Restriction 1: All Call 2: Long / International Call	No Restriction	
6	Service After Restriction Time (Dedicated Call)	0: No Restriction 1: All Call 2: Long / International Call	No Restriction	
PGM Code: 285 – CO Call Restriction II				
1	Tone Repeat Time (Local Call)	10-254	20	1sec
2	Tone Repeat Time (Long Call)	10-254	20	1sec
3	Tone Repeat Time (International Call)	10-254	20	1sec
4	Tone Repeat Time (Dedicated Call)	10-254	20	1sec
5	Forced Disconnection Time (Local Call)	10-60	15	1sec
6	Forced Disconnection Time (Long Call)	10-60	15	1sec
7	Forced Disconnection Time (International Call)	10-60	15	1sec
8	Forced Disconnection Time (Dedicated Call)	10-60	15	1sec
9	Call Restriction Time (Local Call)	1-100	3	1min
10	Call Restriction Time (Long Call)	1-100	3	1min
11	Call Restriction Time (International Call)	1-100	3	1min
12	Call Restriction Time (Dedicated Call)	1-100	3	1min
PGM Code: 286 – Local Call Prefix Table				
	Local Prefix Table Index 01-50			
1	Local Call Prefix Value	Max 4 Digits		
PGM Code: 287 – Long Call Prefix Table				
	Long Prefix Table Index 01-50			
1	Long Call Prefix Value	Max 4 Digits		
PGM Code: 288 – International Call Prefix				
	International Prefix Table Index 01-50			
1	International Call Prefix Value	Max 4 Digits		
PGM Code: 290 – Tone Table				

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
1	1st Dial Tone	Tone Type Time Tone Number	Normal 10 sec 10	Tone Type: 1: Normal 2: Prompt 3: Announcement 4: Internal MOH 5: External MOH 6: VMIB MOH 1 7: VMIB MOH 2 8: VMIB MOH 3 9: VMIB MOH 4 10: SLT MOH 1 11: SLT MOH 2 12: SLT MOH 3 13: SLT MOH 4 14: SLT MOH 5 Tone Number: Index of Tone Frequency Table(PGM264) or Prompt Announcement Number
2	2nd Dial Tone	Tone Type Time Tone Number	Normal 10 sec 11	
3	CO Dial Tone	Tone Type Time Tone Number	Normal 10 sec 17	
4	DISA Dial Tone	Tone Type Time Tone Number	Normal 10 sec 10	
5	LCR Virtual Tone	Tone Type Time Tone Number	Normal 10 sec 17	
6	Digit Conversion Virtual Tone	Tone Type Time Tone Number	Normal 10 sec 17	
7	Password Dial Tone	Tone Type Time Tone Number	Prompt 10 sec 10	
8	Internal Busy Tone	Tone Type Time Tone Number	Prompt 10 sec 11	
9	External Busy Tone	Tone Type Time Tone Number	Normal 10 sec 16	
10	CO Line Busy Tone	Tone Type Time Tone Number	Normal 10 sec 17	
11	Uncompleted Dial Error Tone	Tone Type Time Tone Number	Normal 20 sec 1	
12	DOD Restriction Tone	Tone Type Time Tone Number	Normal 20 sec 1	
13	Internal No-Answer Tone	Tone Type Time Tone Number	Prompt 20 sec 15	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
14	External No-Answer Tone	Tone Type Time Tone Number	Prompt 20 sec 15	
15	Internal Vacant Error Tone	Tone Type Time Tone Number	Prompt 20 sec 54	
16	External Vacant Error Tone	Tone Type Time Tone Number	Prompt 20 sec 54	
17	Call Duration Restriction Tone	Tone Type Time Tone Number	Normal 20 sec 1	
18	Anonymous Call Restriction Tone	Tone Type Time Tone Number	Normal 20 sec 1	
19	Error Tone (All the other cases)	Tone Type Time Tone Number	Normal 20 sec 1	
20	Relative Blocking	Tone Type Time Tone Number	Normal 20 sec 1	
21	Relative Line Lock Out	Tone Type Time Tone Number	Normal 20 sec 1	
22	Relative Do Not Disturb	Tone Type Time Tone Number	Prompt 5 sec 28	
23	Relative Absence	Tone Type Time Tone Number	Normal 20 sec 1	
24	Relative Out of Order	Tone Type Time Tone Number	Normal 20 sec 1	
25	External Relative Out of Order	Tone Type Time Tone Number	Normal 20 sec 1	
26	External Relative Outgoing Restriction	Tone Type Time Tone Number	Normal 20 sec 1	
27	Relative Hot Desk Logout	Tone Type Time Tone Number	Normal 20 sec 1	
28	Howling Tone	Tone Type Time Tone Number	Normal 30 sec 19	
29	1st Ring Back Tone	Tone Type Time Tone Number	Normal 10 sec 4	
30	2nd Ring Back Tone	Tone Type Time Tone Number	Normal 10 sec 4	
31	CO Ring Back Tone	Tone Type Time Tone Number	Normal 10 sec 4	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
32	Recall Ring Back Tone	Tone Type Time Tone Number	Normal 10 sec 4	
33	Zone Paging Call Ring Back Tone	Tone Type Time Tone Number	Normal 10 sec 4	
34	Command Call Ring Back Tone	Tone Type Time Tone Number	Normal 30 sec 4	
35	Alert Message Wait	Tone Type Time Tone Number	Normal 5 sec 11	
36	Alert Do not Disturb	Tone Type Time Tone Number	Normal 5 sec 11	
37	Alert Call Forward	Tone Type Time Tone Number	Normal 5 sec 11	
38	Alert Absence	Tone Type Time Tone Number	Normal 5 sec 11	
39	Camp on Alarm	Tone Type Time Tone Number	Normal 1 sec 13	
40	Conference Alarm	Tone Type Time Tone Number	Normal 1 sec 13	
41	Conference Join	Tone Type Time Tone Number	Normal 1 sec 13	
42	Call Wait Alarm	Tone Type Time Tone Number	Normal 1 sec 13	
43	Break In Alarm	Tone Type Time Tone Number	Normal 1 sec 13	
44	Conference Room In	Tone Type Time Tone Number	Normal 1 sec 13	
45	Conference Room Out	Tone Type Time Tone Number	Normal 1 sec 13	
46	Call Duration Restriction Alarm	Tone Type Time Tone Number	Normal 1 sec 13	
47	Confirm Tone	Tone Type Time Tone Number	Normal 1 sec 8	
48	Single Error Tone	Tone Type Time Tone Number	Normal 3 sec 9	
49	Transfer Hold Tone	Tone Type Time Tone Number	Internal MOH 30 sec	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
50	Transfer Hold Tone (Station)	Tone Type Time Tone Number	Internal MOH 30 sec	
51	Camp On Hold Tone (CO)	Tone Type Time Tone Number	Normal 30 sec 14	
52	Camp On Hold Tone (Station)	Tone Type Time Tone Number	Normal 30 sec 14	
53	Call Wait Hold Tone (CO)	Tone Type Time Tone Number	Normal 30 sec 14	
54	Call Wait Hold Tone (Station)	Tone Type Time Tone Number	Normal 30 sec 14	
55	Normal Hold Tone (CO)	Tone Type Time Tone Number	Internal MOH 30 sec	
56	Normal Hold Tone (Station)	Tone Type Time Tone Number	Internal MOH 30 sec	
57	Normal Hold Tone (Attendant)	Tone Type Time Tone Number	Internal MOH 30 sec	
58	Call Park Hold Tone	Tone Type Time Tone Number	Normal 120 sec 14	
59	Call Park Hold Tone (Station)	Tone Type Time Tone Number	Normal 120 sec 14	
60	IC Auto Hold Tone	Tone Type Time Tone Number	Normal 30 sec 14	
61	IC Auto Hold Tone (Attendant)	Tone Type Time Tone Number	Normal 30 sec 14	
62	Command Call Answer Tone	Tone Type Time Tone Number	Normal 10 sec 14	
63	R2 Normal Outgoing Tone	Tone Type Time Tone Number	Normal 10 sec 4	
64	R2 Off-Net Call Forward Tone	Tone Type Time Tone Number	Normal 10 sec 4	
65	Wake-up Answer Tone	Tone Type Time Tone Number	Prompt 10 sec 12	
66	Service Set Tone	Tone Type Time Tone Number	Normal 10 sec Tone Port 8	
67	DISA Retry Tone	Tone Type Time Tone Number	Prompt 5 sec 5	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
68	ICLID Restrict Tone	Tone Type Time Tone Number	Normal 10 sec 1	
69	Auto Call Answer Alert Tone	Tone Type Time Tone Number	Normal 1 sec 13	
70	VM Interaction Confirm Tone	Tone Type Time Tone Number	Normal 1 sec 8	
71	Authorization Code Dial Tone	Tone Type Time Tone Number	Prompt 10 sec 10	
72	Tenant Dial Tone	Tone Type Time Tone Number	Normal 10 sec 10	
73	Two-way Record Warning Tone	Tone Type Time Tone Number	Normal 1 sec 13	

TABLE D-10 BOARD DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 300 –ISDN Board Attributes				
1	PRIB CRC Check	0:Disable / 1:Enable	ENABLE	
2	PRIB Line Mode	0:TE / 1: NT	TE	
3	BRIB TEI Mode Port1	0:Fixed / 1:Auto	AUTO	
4	BRIB TEI Mode Port2	0:Fixed / 1:Auto	AUTO	
5	BRIB TEI Mode Port3	0:Fixed / 1:Auto	AUTO	
6	BRIB TEI Mode Port4	0:Fixed / 1:Auto	AUTO	
PGM Code: 301 –ISDN Clock Priority				
	ISDN BRD CLOCK PRIORITY	Slot No.	NET	
PGM Code: 305 –VOIB/VMIB Board Attributes				
1	IP Address	IP Address	10. 10. 10. # (# : slot number)	
2	Router IP Address	IP Address	0.0.0.0	
3	Subnet Mask	IP Address	255.255.255.0	
4	DHCP Usage	0: OFF / 1: ON	OFF	
5	T38 Usage	0: OFF / 1: ON	OFF	
6	RTP Security	0: OFF / 1: ON	OFF	
7	VLAN	0-4096, none	none	
8	Priority	0-7	0	
9	Diffserv	0-63	0	

TABLE D-11 VOICE NETWORK

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 320 –Networking Attributes				
1	NET Enable	0: OFF / 1: ON	OFF	
2	NET CNIP Enable	0: OFF / 1: ON	ON	
3	NET CONP Enable	0: OFF / 1: ON	OFF	

4	NET Signal Method	0: FACILITY / 1:UUS	FACILITY	
5	NET CC Retain	0: OFF / 1: ON	OFF	
6	NET BLF Usage	0: OFF / 1: ON	OFF	
7	TCP Port for BLF	9000-9999	9000	
8	UDP Port for BLF	9000-9999	9001	
9	Duration of BLF STS	01-99	10	
10	BLF Manager IP Address		0.0.0.0	
PGM Code: 321 –Networking Numbering				
1	Numbering Plan Type	NET / TRANSIT	NET	
2	Numbering Plan Code	8digits		
3	Outgoing CO Group No	01-72		
4	AND Digit	10 digits		
5	Digit Repeat	0: OFF / 1: ON	OFF	
6	Digit Sending Mode	1:ENBLOCK / 0:OVERLAP	OVERLAP	
7	CPN Information			
8-1~4	BLF Destination System IP Address		0.0.0.0	
9	BLF Destination System Port	0000 ~ 9999	9500	
10	Firewall Routing	0: OFF / 1: ON	ON	

TABLE D-12 T-NET DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 330 –T-Net Attribute				
1	TNET Enable	0: OFF / 1: ON	OFF	
PGM Code: 331 –CM Attribute				
1	Register Enable	0: OFF / 1: ON	ON	
2	IP Address	IPv4 address	0.0.0.0	
3	IPKTS Port number	0001-9999	5588	
4	Total No of Ports	000-999	000	
5	Polling Count	00-99	05	
6	Polling Interval	00-99	02	
PGM Code: 333 –FoPSTN Attribute				
1	Enable FoPSTN	0: OFF / 1: ON	OFF	
2	Initialize FoPSTN			
3	Index	1-100 (MG-100) 1-200 (MG-300)		
3-1	Numbering Plan	Max 16		
3-2	CO Group	1-24 (MG-100) 1-72 (MG-300)		
3-3	Tel Number	Max 10		
PGM Code: 334 –T-Net Board Attribute				
1	TNET Enable	0: OFF / 1: ON	OFF	
PGM Code: 335 –IP-Phone T-Net Enable				
1	TNET Enable	0: OFF / 1: ON	OFF	

TABLE D-13 H.323 DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 360 –H.323 Routing Attribute				
1	Digit	Max 8 digits		

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
2	Destination IP Address		0.0.0.0	
PGM Code: 361 –H.323 Call Attribute				
1	H.323 Setup Mode	0: Normal / 1: Fast	FAST	
2	H.323 Tunneling Mode	0: OFF / 1: ON	ON	
3	H.323 DTMF Path	0: Inband / 1: RFC2833 / 2:out	Inband	
4	DiffServ	0~63	4	
5	First Codec Type	Not Use / G.711U / G.711A / G.729 / G.723A	G.711A	
6	Second Codec Type	Not Use / G.711U / G.711A / G.729 / G.723A	Not Use	
7	Third Codec Type	Not Use / G.711U / G.711A / G.729 / G.723A	Not Use	
8	Fourth Codec Type	Not Use / G.711U / G.711A / G.729 / G.723A	Not Use	
9	GateKeeper USED	0: OFF / 1: ON	OFF	
PGM Code: 362 –H.323 Incoming ATTR				
1	From IP Address			0.0.0.0
2	Incoming CO Group Number	01 ~ 72		
PGM Code: 363 –GK Attribute				
1	GateKeeper	0: OFF / 1: ON	OFF	
2	RAS Light RRQ Usage	0: OFF / 1: ON	OFF	
3	Multicast GateKeeper IP Address	IP Address	0.0.0.0	
4	Multicase GateKeeper Port	IP Port # (0-9999)	0	
5	Unicast GateKeeper IP Address	IP Address	0.0.0.0	
6	Unicast GateKeeper Port	IP Port # (0-9999)	1719	
7	Keep Alive Time	1-1000	120	
8	Gateway Prefix	MAX 25 Digits		
9	H.323 Gateway ID	MAX 129 Digits		

TABLE D-14 SIP CO DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
Web Only: –SIP CO Basic Registration				
	Main Proxy Address			
	Main Proxy Port		1024 – 9999	5060
	Main Domain Name			
	Proxy Type		Normal / Dacom / KT	Normal
Web Only: –SIP CO Additional Registration				
	User ID Start Index			
	User ID End Index			
	Main Outbound Proxy Address			
	Main Outbound Proxy Port	1024 – 9999	5060	
	Sub Proxy Address			
	Sub Proxy Port	1024 – 9999	5060	
	Sub Domain Name			
	Sub Outbound Proxy Address			

	Sub Outbound Proxy Port	1024 – 9999	5060	
	Connection Mode	UDP / TCP / TLS	UDP	
	Registration Timer	60-86400	3600	
	100rel Support	ON/OFF	OFF	
	Session Timer Support	ON/OFF	OFF	
	Max Session Timer	180-3600	1800	
	Min Session Timer	60-150	90	
	Use 181 Message	ON/OFF	OFF	
	Use RPORT	ON/OFF	OFF	
	P-Asserted-Identity	NOT USE / USE	NOT USE	
	DTMF Send Mode	IN / OUT / RFC2833	RFC2833	
Web Only: –SIP CO Codec				
	First Codec Type	Not Use / 711U/A/729/723A	G.711A	
	Second Codec Type	Not Use / 711U/A/729/723A	Not Use	
	Third Codec Type	Not Use / 711U/A/729/723A	Not Use	
	Fourth Codec Type	Not Use / 711U/A/729/723A	Not Use	
Web Only: –SIP CO User ID Table				
	Registration User ID			
	Authentication User ID			
	Authentication User Password			
	Registration	YES / NO	NO	
	Usage	YES / NO	NO	

TABLE D-15 SIP STATION DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
Web Only: –SIP STA Basic Registration				
	User ID			
	Authentication ID			
	Password			
Web Only: –SIP STA Additional Registration				
	Station Number			
	Registering Mode	Manual / User Register	Manual	
	Registration Status	Not Registered / Registered	Not Registered	
	IP Address			
	IP Port		0	
	Device NAT Usage	NO NAT / NAT	No NAT	
	Transfer Mode	UDP / TCP / TLS	UDP	
	SIP Phone Type	Normal / MOIMSTONE / IP-1535	Normal	
	Registration Timer		3600	
	Keep Alive Usage	ON/OFF	OFF	
Web Only: –SIP Station Service				
	Check Message Send Timer	10-3600	30	
	Retry Count	3-10	5	
	407 Authentication	ON/OFF	OFF	
	100rel Support	ON/OFF	OFF	
	Session Timer Support	ON/OFF	OFF	

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
	Max Session Timer	180-3600	1800	
	Min Session Timer	60-150	90	

TABLE D-16 ZONE DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
Web Only: –Zone Attribute				
	Nation Code		Same with system's nation	
	Memo			
	Codec Type	Tenant Codec / G.711 / G.723 / G.729 / G.722 / Not Assign	Tenant Codec	
	RTP Relay Rule	Automatic / Follow Relay Group	Automatic	
	VOIB Slot for RTP Relay		VOIB Slot	
	VMIB Slot		VMIB Slot	
	Peer To Peer	Disable/Enable	Enable	
Web Only: –Zone RTP Relay Group				
	Force To RTP Relay	00 ~ 63	32	
Web Only: –Inter Zone Attribute				
	Codec Type	Station Codec / G.711 / G.723 / G.729	Station Codec	
	RTP Rule	If Need / Always Not / Forced To Do	If Need	
	Src. RTP Relay VOIB Slot			
	Dest. RTP Relay VOIB Slot			
Web Only: –Station Zone Attribute				
	Zone No	1-9	1	
	RTP Relay Group	N/A, 01 ~ 15	N/A	
	Codec Type	Follow Zone / G.711 / G.723 / G.729 / G.722	Follow Zone	

TABLE D-17 SNMP DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
Web Only: –SNMP Data				
1	SNMP Service	ON/OFF		
2	SNMP Port			
3	Read Only Community	4 ~ 16 characters		
4	Read Write Community	4 ~ 16 characters		
5	Trap Community	4 ~ 16 characters		
6	Trap Destination	IP address		
7	Message Type	Notify/Inform/Trap	Notify	

TABLE D-18 GAIN AND CADENCE CONTROL

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 400-407 –TDM Gain (DKT/SLT/DECT/IP-Phone/ACO/DCO/VMIB/External Page RX GAIN)				
1	DKT	00 ~ 63	26/32/26/26/40/26/21/26	
2	SLT	00 ~ 63	22/32/33/33/32/26/21/26	
3	DECT	00 ~ 63	26/32/26/26/31/26/26/26	
4	IP-Phone	00 ~ 63	26/33/26/26/33/33/29/32	
5	ACO	00 ~ 63	26/32/38/33/32/15/23/28	
6	DCO	00 ~ 63	33/44/33/33/38/32/32/37	
7	VMIB	00 ~ 63	29/40/29/29/37/32/32/37	
8	DTMF	00 ~ 63	8/28/8/8/37/32/32/32	
9	TONE	00 ~ 63	32/38/37/32/37/32/32/32	
10	MUSIC	00 ~ 63	29/40/29/29/37/32/32/32	
PGM Code: 415 –DSP Rx Gain				
1	DTMF/A	00 ~ 63	32	
2	DTMF/D	00 ~ 63	32	
3	CPT	00 ~ 63	32	
4	CID/FSK	00 ~ 63	32	
5	CID/D	00 ~ 63	32	
6	CID/RUS	00 ~ 63	36	
7	SMS/TRK	00 ~ 63	32	
8	SMS/SLT	00 ~ 63	32	
PGM Code: 420~426 –Device(SLTM/DTIM(HS)/DTIM(HF)/IP-Phone(HS)/IP-Phone(HF)/WIT/VOIB) RX RTP Gain				
1	SLTM	00 ~ 63	34/34/34/34/34/34/34	
2	DTIM(HS)	00 ~ 63	34/34/34/34/34/34/34	
3	DTIM(HF)	00 ~ 63	34/34/34/34/34/34/34	
4	IP-Phone(HS)	00 ~ 63	34/34/34/34/34/34/34	
5	IP-Phone(HF)	00 ~ 63	34/34/34/34/34/34/34	
6	WIT	00 ~ 63	34/34/34/34/34/34/34	
7	VOIB	00 ~ 63	34/34/34/34/34/34/34	
PGM Code: 430~436 –Device(SLTM/DTIM(HS)/DTIM(HF)/IP-Phone(HS)/IP-Phone(HF)/WIT/VOIB) TX RTP Gain				
1	SLTM	00 ~ 63	34/34/34/34/34/34/34	
2	DTIM(HS)	00 ~ 63	34/34/34/34/34/34/34	
3	DTIM(HF)	00 ~ 63	34/34/34/34/34/34/34	
4	IP-Phone(HS)	00 ~ 63	34/34/34/34/34/34/34	
5	IP-Phone(HF)	00 ~ 63	34/34/34/34/34/34/34	
6	WIT	00 ~ 63	34/34/34/34/34/34/34	
7	VOIB	00 ~ 63	34/34/34/34/34/34/34	
PGM Code: 440 –SLT Ring Cadence				
1	CO Ring	Flex 1-10		
2	ICM Ring	Flex 1-10		
PGM Code: 441 –ACNR Tone Cadence				
1	Dial Tone Cadence	Flex 1(ON)/Flex 2(OFF)	75/0	
2	Ringback Tone Cadence	Flex 1(ON)/Flex 2(OFF)	50/200	
3	Busy Tone Cadence	Flex 1(ON)/Flex 2(OFF)	25/25	
4	Error Tone Cadence	Flex 1(ON)/Flex 2(OFF)	5/5	
5	LCR Dial Tone Cadence	Flex 1(ON)/Flex 2(OFF)	70/0	

TABLE D-19 DECT DATA

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
PGM Code: 0# –DECT Registration				
1	Wtu Subscribe Enable	Station Number	OFF	
2	Wtu Unsubscribe	Station Number		
3	AC Code			
4	PARK (view)			
5	Wtu User Authenticate	Station Number		
6	PARK			
7	Wtu Subs All Data Erase			
8	Wtu Subscription Erase	Station Number		
9	Wtu (Un)Subscription Range (view)			
10	DECT Mobility	Station Number		
PGM Code: 492 –WTIM DECT Attribute				
1	AUTO CALL RLS	ON/OFF	OFF	
2	BASE FAULT ALARM	Enable/Disable	Disable	

TABLE D-20 GREEN MODE

BTN	SUB-MENU	RANGE	DEFAULT	REMARK
Web Only: –Green Mode Activation				
	Power Save Mode	DISABLE/ENABLE	DISABLE	
Web Only: –Green Mode Time Setting				
	Monday Power ON/OFF Time	0000 ~ 2359		
	Tuesday Power ON/OFF Time	0000 ~ 2359		
	Wednesday Power ON/OFF Time	0000 ~ 2359		
	Thursday Power ON/OFF Time	0000 ~ 2359		
	Friday Power ON/OFF Time	0000 ~ 2359		
	Saturday Power ON/OFF Time	0000 ~ 2359		
	Sunday Power ON/OFF Time	0000 ~ 2359		

TABLE D-21 INITIALIZATION

BTN	SUB-MENU	REMARKS
PGM Code: 499 -Initialization		
1	All Database	
2	System Reset	
3	Station Data	
4	Station Button Data	
5	CO Line Data	
6	Station Group Data	
7	System Data	
8	SMDR Data	
9	System Timer	
10	Table Data	
11	Tenant Data	
12	Networking Data	
13	SIP Data	
14	Hotdesk Logout	