

# Description / Programming & Operations Guide



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Chapter 1: Introduction

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## Chapter 1

# Introduction

This chapter describes the manual and provides a table that shows the system capacities available in the MBX IP System Software.

# **Manual Layout**

# Organization

Features are arranged alphabetically in seven different major groupings that follow two basic chapters (1 - Introduction) and (2 - Directory Number):

- 3) System features
- 4) Intercom features
- 5) CO/IP features
- 6) Digital Phone features
- Attendant features
- 8) Single Line Telephone features
- 9) SIP features

This book also includes three appendices that contain specific information: System Programming tables (Appendix A), Hotel Management (Appendix B), and Quick Reference tables (Appendix C).

#### **Feature Information**

Each section is an alphabetical listing of features with the description and operation of each. The structure is divided into 6 parts when they apply:

- The description below the chapter title explains the nature of those features.
- CONDITIONS: explains known interactions and constraints related to the feature.
- OPERATIONS: gives detailed step-by-step operation of the feature for Digital Phones and SLTs.
- PROGRAMMING: lists database entries that may be required for proper feature operation.
- RELATED FEATURES: lists related information to aid in understanding the feature.
- HARDWARE: lists hardware required for proper feature operation.

**System Capacities** 1-2

Chapter 1: Introduction

# **System Capacities**

The MBX IP Series is available in the configurations shown in the table below:

# SYSTEM CAPACITY CHART

Items	MBX IP-100	MBX IP-300		
Rack No.	2	3		
Slot No. per Rack	6	6		
Total Port (Extension + CO line)	200	414 (if IP Phone/DECT Cordless phone not included)		
Number of extension Port	120	324		
Number of extension	180 (Ext 120 + DN 60)	648 (Ext 324 + DN 324)		
Number of CO Line	80	240		
Number of Tenant Group	5	9		
Numbering Plan	Extension: 8 Digits	Extension: 8 Digits		
	Feature: 8 Digits	Feature: 8 Digits		
	Trunk: 8 Digits	Trunk: 8 Digits		
Attendant	5/Tenant	5/Tenant		
DSS/BLF Console	5	5		
Conference Members	3 Groups/13 Members	3 Groups/13 Members		
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		

**System Capacities** 

# SYSTEM CAPACITY CHART

Items	MBX IP-100	MBX IP-300
Authorization Code	Max. 12 Digits 180: Extension 400: System	Max. 12 Digits 648: Extension 800: System
CO Group No	24	72
Station Group	50 member/Group)	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)
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

Chapter 1: Introduction

# **Phones & Consoles Supported**

These are the phone models supported by the MBX IP systems:

- 5000-series SIP Phones
- **DECT Cordless Phones**
- Edge 700
  - 8/24-Button Digital Phones
- Edge 8000
  - 8012/8024 IP Phones
  - 8312/8324 IP Phones
- SBX IP
  - 8/24-Button Digital Phones
- STS
  - 24-Buton Digital Phones
- Triad & infinite
  - 8/12/24-Button Digital Phones
- Vodavi/Uniphone
  - 8/30-Button-Digital Phones
- **CONSOLES** 
  - Edge 100: 12/24/DSS Consoles (The SHIFT button does not function on all phone types.)
  - IBX 24/48/64 DSS Consoles

(The SHFT function does not operate on the DSS consoles.)

## Chapter 2

# **Directory Number (DN)**

Directory Number (DN) is the telephone number for internal users, which can be used exclusively by only one station or can be shared by multiple stations.

#### Terms

#### TYPES OF DN

- SADN-NORMAL: Single-Assign Directory Number (SADN) that can be used by only one station.
- SADN-HOTDESK: Single-Assign Directory Number (SADN) for Hot Desk Usage.
- MADN: Multi-Assign Directory Number (MADN) that can be used by one or multiple stations.

#### CATEGORY OF DN

- My DN is assigned on flexible button 1 by default. It can be moved to a different flexible button but cannot be deleted.
- My-DN (M-DN): each station must have at least one unique number that cannot be used by another station (minimum requirement, automatically assigned by board configuration). Otherwise, it is not possible to make outgoing calls or receive incoming calls. My DN is assigned on flexible button 1 by default. It can be moved to a different flexible button but cannot be deleted.
- Sub-DN (S-DN): station can have more numbers but M-DN. All numbers except M-DN are called S-DN.

**NOTE:** S-DN can be shared by other stations if it is MADN type.

#### PRIME DN

 If multiple numbers are used by a station, one DN can be selected to have higher priority over others. When only one number exists, it becomes P-DN, which will be seized first for outgoing calls, answered first if there's are multiple incoming calls, and used for idle status display for DND, Forward, Absent Message and so on that can be set independently for each DN.

#### RELATED PROGRAMMING

#### System Data

Numbering Plan, Station Number (TRANS/PGM 112) ... see details on page A-16

#### Station Data

Station Number Type (TRANS/PGM 130 - Flex 1) ... see details on page A-31 MADN Member (TRANS/PGM 130 - Flex 2) ... see details on page A-31 Prime Number Button (TRANS/PGM 123 - Flex 1) ... see details on page A-26

TRANS/PGM 123	BTN	RANGE	DEFAULT
PRIME NUMBER BTN 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.	1	01-48	01

#### Basic Features

To use DN features, or to receive incoming calls or make outgoing calls, DN must be programmed on a Flex button, except in the case of an analog phone (does not have flex buttons). One DN is stored in each station by default, which is M-DN. If there is no DN button at all, it is not possible to call a number or get a call from others.

## Making Calls

When making outgoing calls, a Station User can select a DN number either by pressing the appropriate DN flex button, by going off-hook using the handset, or by dialing while the phone is on-hook.

P-DN is seized automatically if the DN button is not explicitly pressed as in the case of going off-hook or on-hook dialing. However, if the P-DN is busy at that time (P-DN can be shared by other stations), the first idle DN button is selected in the order of button number (button 1 first, button 2 second, etc.).

Once a DN is selected for an outgoing call, the tenant group number, calling station number, CLI, COS and other DN-related information are applied for the duration of the call. For example, if a different DN is selected for two outgoing calls, it is possible to have different tenant groups or COS for each call.

# Receiving Calls

A physical station can receive additional calls showing on DN buttons, or through other available DN numbers that are stored in that station, even while on a call. However, if the DN is in use, it is not possible to receive a call through that DN number.

**NOTE:** the status of a physical station and each DN is maintained independently. If the Station is idle, the normal ring will be provided. Otherwise, off-hook signaling is activated. The Station User can answer an incoming call by pressing the flashing DN flex button, or by going off-hook without selecting a DN flex button. If there are multiple incoming calls at the same time, going off-hook allows the user to seize P-DN if it is ringing, or to seize first ringing DN in the order of button number (btn 1 first, btn 2 second). Even when there are incoming calls at a station, the User can make an outgoing call by

# P-DN (PrimeDN) Feature

P-DN is automatically seized first when a station user goes off-hook or dials while on-hook when receiving or making calls. P-DN can be either M-DN or S-DN. If P-DN is not assigned explicitly, the first DN button becomes P-DN in the order of button number.

The same DN can be used as P-DN for multiple stations. If the state of shared P-DN is changed in this case, the status of P-DN will be updated to all the stations that have the shared P-DN. For example, DND, call forward, and other DN-based status notifications will be displayed at all same DN-programmed stations.

#### LED of DN Button

LED states of DN buttons are as follows:

Green ON: DN being used by my station

Red ON: DN being used by another station

Amber flash: Held DN Green Flash: Ringing DN

Red Flash: DN in DND status or DN in Call Forward

pressing an idle DN button and dialing the called party number.

# DN Tenant Group/COS

Each DN can be programmed with its own Tenant group or COS information. So, Tenant group and COS can be different for each call depending on the DN used for the calls.

If a station has DN buttons with different tenant groups, the station can make and receive calls using the different tenant groups.

Additionally, if the DN buttons have different COS, a station can have different COS according to the DN button selected.

#### Branch Line

When a station is using a MADN-type DN, other stations cannot access the same DN. However, if a branch line option is set to the DN, another Station can access the busy DN interrupting its call and establishing a conference call for all users.

## **Incoming Ring Option**

When multiple stations have the same DN button, each station can have a different ring delay option.

- Immediate Ring: Ring signal is sent to station with no delay.
- Delayed Ring: Ring signal is sent to station after the programmed delay.
- No ring: Ring signal is not sent to station, but only LED flashes.

When the DN receives an incoming call, the DN button LED will flash Red regardless of the ring delay option. However, the LCD of a station modified to display the incoming call after it receives a ring signal can be automatically answered just by going off-hook. However, before the station receives a ring signal, the incoming DN call cannot be answered automatically by going off-hook, but the station user should press the flashing DN button manually.

## **Access Option**

When a station has multiple DN buttons, each DN button can have a different access option.

- All Call: No restriction.
- Dial After Seizure: No restriction about incoming ringing, but when making outgoing calls with this button, user should seize the DN by pressing this button even if this button is assigned to prime number button.
- Incoming Only: Outgoing call is not possible with this button.

When there is incoming call to a DN, the DN button LED will flash in red color regardless of the ring delay option. However, the LCD of station is changed to display the incoming call after it receives ring signal and the call can be answered automatically just by going off-hook. However, before the station receives ring signal, the incoming DN call cannot be answered automatically by going off-hook, but the station user should press the flashing DN button manually.

## Chapter 3

# **System Features**

This chapter provides detailed information covering description and operation of the numerous features available in the MBX IP System Software.

# **Account Code**

Station users may enter a non-verified variable length (up to 12 digits) identifier for tracking specific calls. The identifier or "Account Code" is output as part of the Station Message Detail Record (SMDR) for the call.

#### CONDITIONS

- If an Authorization Code is entered as the Account Code, the SMDR record will show the station number or the bin number for a System Authorization Code rather than the user entered Authorization Code for security purposes.

#### **OPFRATION**

#### **Digital Phone**

To assign a Flex button for {ACCOUNT CODE} operation:

Press [TRANS/PGM] + {FLEX} + Button Feature Type (1) + {Account Code Feature Code} + {Account Code} + \* + [HOLD/SAVE]

To enter an Account Code using an {ACCOUNT CODE} button prior to placing a call when account code is not entered in the button:

- 1. Lift the handset
- Press the {account code} button.
- Dial the Account Code (1 to 12 digits).
- Press \*: Intercom dial tone is heard.
- Place the CO/IP call as normal.

Account Code 3-2

Chapter 3: System Features

Using the programmed {ACCOUNT CODE} button prior to making a call:

- Lift the handset.
- 2. Press the {account code} button; Intercom dial tone is heard.
- Place the CO/IP call as normal.

## Using an {ACCOUNT CODE} button during a call:

- 1. Press the {account code} button; CO line is held and the station hears dial tone.
- 2. Dial the Account Code (1 to 12 digits).
- Press \*: Station is re-connected with CO line.

#### Single Line Phone

To enter an Account Code prior to placing a call:

- 1. Lift the handset.
- 2. Dial the {Account Code Feature Code}.
- Dial the Account Code (1 to 12 digits).
- 4. Press \*.
- Place the CO/IP call as normal.

#### To enter an Account Code during a call:

- 1. Press for Hook-switch.
- 2. Dial (Account Code Feature Code)
- Dial the Account Code (1 to 12 digits).
- 4. Press \*.

#### ADMIN PROGRAMMING

#### Numbering

Feature Numbering Plan (TRANS/PGM 113) ... page A-17

#### RELATED FEATURES

```
Authorization Codes (Password) ... see page 3-5
Station Message Detail Recording (SMDR) ... see page 3-187
Station Flexible Buttons ... see page 6-21
```

# Alarm Signal/Door Bell

The system can be configured to recognize the status of an external contact (normally open or closed). The system will signal the assigned station when the contact activates. This capability is commonly employed to provide remote Alarm or Door Bell signals to the user.

A station receives the Alarm Signal, either as a single tone burst repeated at 1-minute intervals or a continuous tone. The Alarm Signal may be terminated at the User's phone by dialing the Alarm Stop code, or pressing the {ALARM STOP} button if assigned. To rearm the Alarm function, the alarm condition must be cleared and the Alarm signal terminated.

When used as a Door Bell, assigned stations receive an Alarm Signal each time the external contact is activated; reset is not required.

#### CONDITIONS

- The Alarm contacts must be "dry", no voltage or current source connected.
- A station with LCD assigned to receive Alarm/Door Bell signals will show "ALARM" as appropriate.
- If alarm is active during station busy, mute ring will be served to assigned station, and then after conversation, when station go to idle, the alarm signal will be sent to assigned station again.
- Assigned stations can be changed using Alarm Assign. (TRANS/PGM121-Flex12)
- Only Stations assigned with Alarm ring can terminate the alarm signal.
- IP Phone and normal digital Phone stations can be assigned as alarm stations.
- In signal mode, station will return alarm ringing again if an assigned station user does not reset the alarm signal prior to the station returning to idle.
- When the alarm is ringing, the alarm signal must be reset so phone operation will be fully functional (fixed or flex buttons do not operate and the user cannot hear the dial tone during alarm ringing).

#### OPERATION

System

At detection of contact operation, the Alarm/Door Bell signal is sent to assigned station.

#### Digital Phone

To assign a Flex button as an {ALARM STOP} button:

Press [TRANS/PGM/] + {FLEX} + Button Feature Type(1) + {Sys Alarm Reset Feature Code + [HOLD/SAVE]

To terminate an Alarm Signal while idle:

Dial the {Sys Alarm Reset Feature Code}; a confirmation tone is received and the Alarm Signal is terminated.

OR

Press the programmed {ALARM STOP} Flex button.

NOTE: If the alarm condition is cleared, the system will automatically rearm the alarm monitoring.

#### ADMIN PROGRAMMING

#### Station Data

Alarm (TRANS/PGM 121 - FLEX12) ... see details on page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
ALARM enable to receive system alarm signal.	12	1-3	1

## System

Alarm (TRANS/PGM 121 - FLEX12) ... see details on page A-87

TRANS/PGM 227	BTN	RANGE	DEFAULT
ALARM ENABLE enables the external contact monitoring circuitry.	1	0: Off 1: On	Off
ALARM CONTACT TYPE establishes the contact state that will activate the Alarm, close or open.	2	0: Open 1:Close	Open
ALARM MODE the contact can be designated to function as a doorbell instead of an alarm.	3	0: Bell 1: Alarm	Alarm
ALARM SIGNAL MODE the assigned stations will receive a Repeating signal or single burst (ONCE) of the alarm tone.	4	0: Once 1: Repeat	Repeat

#### **RELATED FEATURES**

Door Open ... see page 3-79

#### **HARDWARE**

#### Digital Phone

External contact connected to Alarm input of MPB, refer to MBX IP Hardware & Installation Manual.

# **Authorization Codes (Password)**

An Authorization Code is tied to a DN, and provides a means to control access to Walking COS, or DISA and may be required for outgoing CO/IP Lines based on the configuration of the database. When users dial a valid Authorization Code, the system invokes the Station COS.

The Station Authorization Code includes the associated station number and the assigned code. A Station Authorization Code is specifically related to a given station and intended for a single user.

The Administrator and Attendants are permitted to assign any Authorization code including codes for another station. Normal users may only assign the Station Authorization code for the specific station.

#### CONDITIONS

- A user may enter an Authorization Code from any station to place a CO/IP call using Walking COS.
- An Authorization code may include any dial pad digit except \* and #.

#### OPFRATION

#### Digital Phone

To assign a Station Authorization Code:

- 1. Press the [TRANS/PGM] button.
- Dial 34 (Authorization Code Program).
- Dial the Authorization Code (1-12 digits).
- Dial \* or press the [HOLD/SAVE] button to save.

#### Single Line Phone

To assign a Station Authorization code:

- Lift the handset.
- Dial [SLT Program Mode Entry code].
- Dial Station User Program code 34.
- Dial Authorization Code (1-12 digits).
- 5. Dial \*.

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#### System Attendant

To assign an Authorization Code:

- Press the [TRANS/PGM] button.
- 2. Dial Attendant Station Program Code 033.
- 3. Dial station number or range of stations. If one (1) station is to be programmed, enter that station number twice.
- Dial the Authorization Code.
- Press the [HOLD/SAVE] button.

#### ADMIN PROGRAMMING

#### Station Data

Password (TRANS/PGM 131 - FLEX 4) ... see details on page A-32

TRANS/PGM 131	BTN	RANGE	DEFAULT
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.	4	0: Disable 1: Enable	Disable

# Auto Call Release

Intercom calls (except Hands-free Ring Back) will be released automatically if the called party does not answer during the pre-set time.

#### CONDITIONS

When the handset is used to place a call, the user will receive an error tone for 30 seconds followed by 30 seconds of Howler tone and the station is placed in a fault mode. If on-hook dialing is used, the station will receive an error tone for one (1) second and the phone will return to idle automatically.

#### **OPERATION**

## System

Auto Call Release of Intercom calls: If a station places an intercom call and the called station does not answer in the Intercom Call Release Time, the call is terminated and the calling user receives an error tone.

#### ADMIN PROGRAMMING

#### Table Data

System Ring Table: Normal Call Ring ... use Web Admin (TRANS/PGM 265) see details on page A-115

Howler Tone (TRANS/PGM 121 - FLEX 7)... see details on page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
HOWLING TONE sets Anonymous Call Restrict service.	7	0: Off 1: On	On

# **Automatic Pause Insertion**

In addition to a manually entered Pause, the system will automatically pause dialing to allow for potential connection delays. The pause will be inserted when any of the following occur:

- Flash is encountered in a Speed Dial number.
- Pulse to Tone Switchover is encountered in a Speed Dial or Redial number.
- Connect message is received on an ISDN Line.

#### CONDITIONS

- An automatically inserted pause is not counted as a digit in a Speed Dial number.
- The LCD of the Digital Phone will show a "P" when a pause is encountered.
- When the System inserts a Pause, "P" indication is not shown.

#### **OPERATION**

#### System

The system automatically pauses dialing after an appropriate event (as listed above).

#### RELATED FEATURES

Auto Called Number Redial (ACNR) ... see page 6-2 Last Number Redial (LNR) ... see page 3-110 Dial Pulse to Tone Switchover ... see page 3-62

# Automatic Privacy/Branch Line

Privacy is insured in all communications on the system. If desired, the customer may elect to disable the Automatic Privacy feature, allowing an uninvited station to join in an existing external conversation. In such a case, a conference is established. The Privacy feature restricts the intrusion/call-wait/camp-on/OHVA at a busy station, while the Branch Line can restrict a conference call by pressing {DN} button in use.

#### CONDITIONS

- With Automatic Privacy disabled, privacy is still assured on all intercom and conference calls.
- Only one station can intrude on an active call.
- An intrusion tone can be provided to the call indicating another station has accessed the line.

#### **OPERATION**

#### **Digital Phone**

To intrude into a call when Privacy is disabled:

Make a call to busy station and then press the appropriate code for intrusion/call-wait/camp-on/OHVA when receiving busy tone.

To change privacy mode in conversation:

Press the {DND} button during a conversation.

To intrude in a call when Branch Line is enabled:

Press a busy (lit steady) {DN} button, the user is connected to the call with the existing internal station user.

#### ADMIN PROGRAMMING

#### Station Data

Branch Line (TRANS/PGM 134 - FLEX 10) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
BRANCH/BRIDGE LINE Set branch/bridge line feature.	10	0: Off	Off
Branch: Conference call by pressing (DN) button in use.		1: On	
Bridge: Bridge call by pressing {DN} button in use.			
Bridge (Softphone): Auto bridge if Phontage/UC Client's IP bridge is enabled.			

## Auto Privacy (TRANS/PGM 134 - FLEX 11) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
AUTO PRIVACY Enables auto privacy feature (to restrict the intrusion/call-wait/camp-on/OHVA in busy station)		0: Off 1: On	Off

## System Data

Intercom Busy One-Digit Service (TRANS/PGM 237) ... see details on page A-101

TRANS/PGM 237	BTN	RANGE	DEFAULT	
STEP CALL determines if Step Call is enabled or disabled.	1	0:Disable 1:Enable	Disable	
DIGIT 1 when accessing a busy tone, user may dial for one of the one-touch services.	2		0: N/A	
DIGIT 2	3	0: N/A 1: Call-Back 2: Camp On		
DIGIT 3	4		0: N/A	
DIGIT 4	5			
DIGIT 5	6			
DIGIT 6	7	3: Call Wait 4: Voice Over		
DIGIT 7	8	5: Intrusion		
DIGIT 8	9	6: Hunt		
DIGIT 9	10			
DIGIT 0	11			
DIGIT *	12		Call Wait	
DIGIT #	13		Voice-Over	

## **RELATED FEATURES**

Multi-Party Voice Conference ... see page 3-50

Station Flexible Buttons ... see page 6-21

## **Auto Service Mode Control**

The service mode defines different ring assignments, COS and answering privileges for the system. The service mode can be controlled automatically through definitions in the Auto Ring Mode Selection Table, which defines the time of day for Day, Night and Timed shift modes. The Attendant may change the system mode selection from automatic to manual.

#### CONDITIONS

If the system has Holiday information and current mode is Holiday, service mode is operated as Night mode

#### **OPFRATION**

## System

Operation of this feature is automatic.

### ADMIN PROGRAMMING

#### Table Data

System Time Table (TRANS/PGM 253) ... see details on page A-107

TRANS/PGM 253	BTN	RANGE	DEFAULT
TIME ZONE COMMENT defines the comment of the Time Table.	1	32 characters	none
SYSTEM TIME ZONE defines the Time Zone of the Time Table	2	0-73	0: Sys Time
DAYLIGHT SAVINGS defines Daylight Saving Time of Time Table.	3	On/Off	Off
RING MODE defines the ring mode of Time Table.	4	0: Day 1: Night 2: Timed	0: Day
AUTO RING MODE defines the Auto Ring mode of the Time Table.	5	On/Off	Off

## Weekly Time Table (TRANS/PGM 254) ... see details on page A-108

TRANS/PGM 254	BTN	RANGE	DEFAULT
Monday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	1	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Tuesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	2	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Wednesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	3	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Thursday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	4	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Friday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	5	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Saturday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	6	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Sunday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	7	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

# Holiday Time Table (TRANS/PGM 256) ... see details on page A-110

TRANS/PGM 256	BTN	RANGE	DEFAULT
CALENDAR TYPE Defines Calendar Type for Holiday Table.	1	Lunar/Gregorian	Gregorian
HOLIDAY DATE Defines Holiday Date for Holiday Table.	2	MM/DD	None

#### RELATED FEATURES

Direct Inward System Access (DISA) ... see page 5-50

Day/Night/Timed Ring Mode ... see page 7-37

CO Ring Assignment ... see page 5-37

LBC (Loud Bell Control) ... see page 3-116

Dialing Restrictions ... see page 3-63

# Automatic System Daylight Savings Time

The system can automatically adjust for Daylight Saving Time (DST). When DST is enabled, the system will adjust the system time forward one hour at the DST Start time and back one hour at the DST End time. The system time is sent for display to all devices and terminals and is the basis of the various system time-based features (Wake-up Alarm, etc.).

### CONDITIONS

- The DST Start and End times are set by the Web Admin interface only.
- The interval between the DST Start and End times must be at least 7 days.

#### OPFRATION

## System

Operation of this feature is automatic.

### ADMIN PROGRAMMING

### System

System Time (TRANS/PGM 233 - FLEX 1) ... see details on page A-94

TRANS/PGM 233	BTN	RANGE	DEFAULT
SYSTEM TIME/DATE sets the system time.	1	HH:MM	-

System Date (TRANS/PGM 233 - FLEX 2) ... see details on page A-94

TRANS/PGM 233	BTN	RANGE	DEFAULT
SYSTEM TIME/DATE sets the system date.	2	MMDDYY	-

DST Enable (TRANS/PGM 233 - FLEX 3) ... see details on page A-94 DST Start & End Time ... use Web Admin (TRANS/PGM 233)

TRANS/PGM 233	BTN	RANGE	DEFAULT
DST START TIME the DST start time.	Web Only	See DST Table	2nd Sunday of March at 2:00 AM
DST END TIME the DST end time.	Web Only	See DST Table	1st Sunday of November at 2:00 AM

#### RELATED FEATURES

Auto Service Mode Control ... see page 3-10 Automatic System Time Synchronization ... see page 3-13 System Clock Set ... see page 7-42

# **Automatic System Time Synchronization**

When enabled, the system automatically determines and sets the time of day employing Network Time Protocol (NTP) or ISDN time messages. When using NTP, the system requests and receives GMT time at ten-minute intervals from the specified NTP time server. This feature allows the System Time to synchronize with the NTP time server automatically. If the time deviates more than two seconds, the system clock is adjusted to match the NTP server.

When using ISDN, the system receives the time of day in ISDN messages and automatically adjusts the time if the system time deviates from the ISDN time.

#### CONDITIONS

- NTP packets are expected over UDP port 123; verify the port is open and available.
- A secondary NTP server address can be defined should the first server not respond.
- If set, the system adjusts for the local time zone assigned in the system as the Standard System Time as well as Daylight Savings Time (DST).

#### **OPFRATION**

## System

Operation of this feature is automatic.

#### ADMIN PROGRAMMING

## System

Network Time/Date (TRANS/PGM 223 – FLEX 5) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
NETWORK DATE/TIME USE If set to ON, the System updates the Date & Time with Network Date & Time when the System Date & Time is different.	5	0: Off 1: On	0: Off

NTP Active ... use Web Admin (TRANS/PGM 233)

NTP Sever Address ... use Web Admin (TRANS/PGM 233)

Standard System Time, Local Time Zone ... use Web Admin (TRANS/PGM 233)

### RELATED FEATURES

Auto Service Mode Control ... see page 3-10

Automatic System Daylight Savings Time ... see page 3-12

System Clock Set ... see page 7-42

# **Battery Back-up, Memory**

The system database is protected from power-loss by a long life (10-year) lithium dry cell battery. Should local power fail, the battery will maintain the system memory and proper operation of the system clock.

#### CONDITIONS

- The Initialization switch must be in the ON position to enable Memory Battery Back-up. Otherwise, should power fail, the system will initialize the database on power-up. Refer to the MBX IP Hardware and Installation Guide for more details.
- The Lithium battery is not field-replaceable.

## **OPERATION**

### System

When enabled, operation is automatic.

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## **Call Forward**

User may have selected incoming calls re-route to other stations (local or networked), station groups, the VMIIB, or over a system CO/IP line (Off-Net).

The user selects the type and condition under which calls will forward by entering a Call Forward code as follows:

- Code 0, Remote Call Forward forwards all calls to the station, except recalls, activated from a remote station, Call Forward, Follow-me.
- Code 1, Unconditional all calls to the station, except recalls, are forwarded internally
  or externally immediately upon receipt.
- Code 2, Busy if the station is busy, forwards all calls, except recalls, to the selected station.
- Code 3, No Answer forwards all calls, except recalls, to the selected station when the station does not answer within the No Answer timer.
- Code 4, Busy/No Answer forwards calls if the selected station is busy or does not answer within the No Answer timer.

#### CONDITIONS

- A station receiving a forwarded call can transfer the call to the forwarding station.
- A station, denied the use of Call Forward, will receive an error tone in response to attempts to activate Call Forward.
- A forwarded intercom call will signal the receiving station in Tone Signaling mode, regardless of the Intercom Signaling Mode at the station.
- Attempting activation of Call Forward will automatically deactivate any activated Display Text Message (Active Call Back or Queue requests do not cancel).
- When Call Forward is active, a Station can make outgoing calls (internal or external).
- For CO/IP calls, when Call Forward is manually activated, it will override any Preset Call Forward assigned for the station or CO/IP line
- Call Forward status is maintained in the System's non-volatile memory for protection from power outage.
- Off-Net Call Forward of incoming CO/IP calls is essentially an automated DISA call, which will establish an Unsupervised Conference; such calls are subject to the conditions of a DISA call and Unsupervised Conference and may require entry of an Authorization Code.
- Off-Net Forward calls are not answered until the system completes dialing of the external call. The call, internal or external, is then connected to the Off-Premise call.

Call Forward 3-16

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- An unlimited number of stations may be set-up in a Call Forward chain, forwarding calls from one station to the next. However, the Call Forward service counter is restricted by the 'Multi-Call Forward Service Count' attribute (tenant based).
- No Answer Forward employs the Station No Answer Forward Timer.
- The No Answer Call Forward Timer can be adjusted at the TRANS/PGM 141, FLEX 4.
- A Station should have Off-Net Forward access privilege to assign a CO Access code and External Phone number to the forward destination.

#### **OPERATION**

#### Digital Phone

To activate Call Forward, Unconditional or Busy/No Answer:

- 1. Lift the handset or press the [SPEAKER] button to receive a dial tone.
- 2. Press the [FWD] button.
- 3. Dial 1-4 (Forward Code) as appropriate.
- 4. Dial the station or station group to receive calls. OR
- 5. Dial CO Group Access code and desired external phone number.
- Press the [HOLD/SAVE] button to save.
- 7. Replace the handset, return to idle.

### To activate Call Forward, Remote (Follow-me):

- 1. Lift the handset or press [SPEAKER] button to receive Dial tone.
- 2. Press the [FWD] button.
- Dial 0 (Call Forward code).
- 4. Dial the Station's Authorization Code (Station number + password),
- 5. Dial 1-4 (Forward condition).
- 6. Dial the destination station or station group. OR Dial CO Group Access code and desired external phone number.
- Press [HOLD/SAVE] button to save.
- Replace the handset, return to idle.

#### To deactivate Call Forward:

Press flashing [FWD] button, Call Forward will deactivate; [FWD] LED button is turned OFF.

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## **Single Line Phone**

To activate Call Forward, Unconditional, Busy/No-Answer:

- 1. Lift the handset to receive Dial tone.
- 2. Dial {Call Forward feature code}
- 3. Dial 1-4 (Call Forward code) as desired.
- 4. Dial station or station group to receive calls. OR Dial the CO Group Access code and the desired external phone number.
- 5. Press hook-switch to save.
- 6. Replace the handset, return to idle.

## To activate Call Forward, Remote (Follow-me):

- Lift the handset.
- 2. Dial {Call Forward code}.
- 3. Dial 0 {Remote Forward code}.
- 4. Enter the Station number {Station Authorization Code} +Password.
- Dial 0 {Remote Forward condition}.
- 6. Dial the destination station or station group.

OR

Dial CO Group Access code and desired external phone number.

- Press hook-switch to save.
- 8. Replace handset return to idle.

### To deactivate the Call forward

- 1. Lift the handset to receive a stutter Dial tone.
- 2. Dial {Call Forward feature code}, as desired.
- Dial '#' to cancel Call Forward.

## **ADMIN PROGRAMMING**

### Station Data

Call Forward Access (TRANS/PGM 132 FLEX 2) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
CALL FORWARD ACCESS enables Call Forward to be activated by the station.	2	0: Disable 1: Enable	Enable

## OffNet Call Forward Access (TRANS/PGM 132 FLEX 3) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
OFFNET CALL FORWARD ACCESS a station must be allowed Off Net Fwd to forward external incoming calls outside the system or otherwise establish a CO-to-CO connection.	3	0: Disable 1: Enable	Enable

## Call Forward Assignment (TRANS/PGM 143) ... see details on page A-40

TRANS/PGM 143	BTN	RANGE	DEFAULT
FORWARD TYPE specify call forward type.	1	0: Not Assigned 1: Unconditional 2: Busy 3: No Answer 4: Busy or No Answer	Not Assigned
FORWARD NUMBER specify Call Forward Destination by entering dial digits.	2	Max 32 digits	-
FORWARD APPLY TIME specify Call Forward Applying Time.	3	0: All 1: Day 2: Night 3: Timed	All
CALL FORWARD NO ANSWER TIMER if the station does not respond during the 'CFW NO ANS TMR' timer, the call is forwarded to Call Forward Destination.	4	( 0-600) sec	15 sec
FORWARD DISPLAY enables the Forward Display Option to check forward information in idle state.	5	0: Off 1: On	On

#### Tenant Data

Multi-Call Forward Service Center ... see page A-128

TRANS/PGM 280	BTN	RANGE	DEFAULT
MULTI-CALL FORWARD SERVICE COUNTER determines the Multi-Call forward count.	8	01-10	05

### RELATED FEATURES

Station Authorization Code ... see page 3-5

DND ... see page 3-77

Dialing Restriction ... see page 3-63

Station Group ... see page 3-154

Intercom Signaling Mode ... see page 6-11

Call Forward, Preset ... see page 3-22

## Call Forward, Pilot Hunt

User may have selected incoming calls in his group to re-route to other stations (local or networked), station groups, or VMIIB. The user selects the type and condition under which calls will forward by entering a Call Forward code as follows:

Code 1, Unconditional – all calls to the station, except recalls, are forwarded internally or externally immediately upon receipt.

Code 2, Busy – if the station is busy, forwards all calls, except recalls, to the selected station.

Code 3. No Answer – forwards all calls, except recalls, to the selected station when the station does not answer within the No Answer timer.

Code 4, Busy/No Answer – forwards calls if the selected station is busy or does not answer within the No Answer timer.

#### CONDITIONS

- Station Call Forward has higher priority than Pilot Hunt Call Forward.
- To assign Pilot Hunt Call forward, the Station should be a member of the Pilot Hunt Group.
- An external number cannot be assigned to a Pilot Hunt Forward destination.
- If a station assigns the pilot hunt Call Forward, the pilot hunt call forward in day mode is changed.

- The Pilot Hunt Ring access privilege can be assigned on a per Station basis; if the Pilot Hunt Ring access of the station is disabled, that station will not receive Pilot Hunt ringing.
- If a user activates the call forward feature using the {Pilot Hunt Call Forward code}, it is applied to the Day Forward destination.

#### **OPERATION**

### **Digital & Single Line Phone**

To activate Call Forward, Unconditional or Busy/No Answer:

- 1. Lift the handset or press the [SPEAKER] button to receive dial tone.
- 2. Dial {Pilot Hunt Call Forward Code}
- 3. Dial 1-4 (Call Forward code) as desired.
- 4. Dial the station or station group to receive calls.
- 5. Press the [HOLD/SAVE] button to save.
- 6. Replace the handset, return to idle.

### To deactivate the Call Forward:

- 1. Lift the handset or press the [SPEAKER] button,
- 2. Dial (Pilot Hunt Call Forward Cancel Code),

## ADMIN PROGRAMMING

#### Station Data

Call Forward Access (TRANS/PGM 132 - FLEX 2) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
CALL FORWARD ACCESS enables Call Forward to be activated	2	0: Disable	Enable
by the station.		1: Enable	

Pilot Hunt Ring Access (TRANS/PGM 134 - FLEX 6) ... see details on page A-33

TRANS/PGM 134	BTN	RANGE	DEFAULT
PILOT HUNT RING permits station to receive pilot hunt ring.	6	0:Disable 1:Enable	Enable

# Station Group Data

## Pilot Hunt Group (TRANS/PGM 210 - 211) ... see details on page A-74

TRANS/PGM 210	BTN	RANGE	DEFAULT
CONDITION Determines call coverage condition for Pilot Hunt group.	1	0: ALL 1: Intercom 2: External	All
SERVICE TYPE This entry defines Service Type. (Terminal/Circular)	2	0: Terminal 1: Circular	Terminal
TIME TABLE INDEX Time Table index.	3	1-9	1
MEMBER ASGAssigns stations as members of a Pilot Hunt group.	4	-	-

TRANS/PGM 211	BTN	RANGE	DEFAULT
DAY FORWARD TYPE determines Day time seting for Call Forward type.	1	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
DAY FORWARD DESTINATION determines Day time seting for Forward destination.	2	Max. 8 digits	-
NIGHT FORWARD TYPE determines the Night time seting for Call Forward type.	3	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
NIGHT FORWARD DESTINATION determines the Night time seting for Forward destination.	4	Max. 8 digits	-
TIMED FORWARD TYPE determines the Timed seting for Forward type.	5	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
TIMED FWD DESTINATION determines the Timed seting for Forward destination.	6	Max. 8 digits	-

Call Forward, Preset 3-22

Chapter 3: System Features

#### RELATED FEATURES

```
Station Authorization Code ... see page 3-5
DND ... see page 3-77
Dialing Restriction ... see page 3-63
Station Group ... see page 3-154
Intercom Signaling Mode ... see page 6-11
Call Forward, Preset ... see page 3-22
```

# Call Forward, Preset

Call Forward, Preset calls to a Station are forwarded to a pre-determined destination assigned in the system database. Preset Call Forward can define separate treatment of CO/IP calls and intercom calls. In addition, separate busy and no-answer treatments are defined:

- Internal Unconditional all intercom calls are immediately forwarded.
- Internal Busy Intercom calls that encounter a busy, are forwarded immediately.
- Internal No-Answer Intercom calls, which are not answered in the No-Answer time, or busy, are forwarded.
- External Unconditional all external calls immediately forward.
- External Busy external calls that encounter a busy are forwarded immediately.
- External No-Answer external calls, not answered in the No-Answer time, or busy, are forwarded.

In addition, calls can be directly forwarded to the Users Voice Mail box using Call Forward. Preset. Preset Call Forward condition and type can be selected as listed:

- Unconditional all calls to the station, are forwarded internally or externally immediately upon receipt.
- Busy if the station is busy, all calls are forwarded to the selected station.
- No Answer forwards all calls to the selected station when the station does not answer within the No Answer timer.

## CONDITIONS

- A station receiving a forwarded call can transfer the call to the forwarding station.
- Calls cannot be forwarded to a station in DND (error tone is returned).
- Manual forward has a higher priority than Preset Forward and overrides any Preset Forward setting.
- Preset call forward status is not shown on the Station LCD display.

- No Answer Forward employs the Station No Answer Forward timer.
- If Station No Answer Preset Call Forward and CO Preset Forward Ring Table is set the same, the CO Preset Forward Ring Table precedes Station Preset Call Forward.

### **OPERATION**

## System

When enabled, operation of Preset Call Forward is automatic.

### **ADMIN PROGRAMMING**

#### Station Data

Preset Call Forward (TRANS/PGM 142) ... see details on page A-39

TRANS/PGM 142	BTN	RANGE	DEFAULT
INTERNAL UNCOND The unconditional preset forward destination of internal(intercom) call .	1	Max 32 digits	-
INTERNAL BUSY The busy preset forward destination of internal(intercom) call.	2	Max 32 digits	-
INTERNAL NO-ANSWER The no-answer preset forward destination of internal(intercom) .	3	Max 32 digits	-
EXTERNAL UNCOND The unconditional preset forward destination of external call.	4	Max 32 digits	-
EXTERNAL BUSY The busy preset forward destination of external call.	5	Max 32 digits	-
EXTERNAL NO-ANSWER The no-answer preset forward destination of external call.	6	Max 32 digits	-

Call Forward No-Answer Timer (TRANS/PGM 143 - FLEX 4) ... see details on page A-40

TRANS/PGM 143	BTN	RANGE	DEFAULT
CFW NO ANS TMR 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'.	4	0-600 secs	15 secs

Call Park 3-24

Chapter 3: System Features

#### RELATED FEATURES

```
Call Forward... see page 3-15
DND ... see page 3-77
Auto Attendant ... see page 3-87
Preset Call Forward ... see page 3-22
VMIB Integrated Auto Attd/Voice Mail ... see page 3-258
```

## Call Park

A User may place (Park) an active intercom or CO/IP call in a special holding location (Park Orbit) for easy access from any station in the system. The system has 50 holding locations (Park Orbits).

#### CONDITIONS

- If the selected Park Orbit returns a busy signal, the user may simply dial another Park Orbit without disconnecting.
- A Parked call will recall to the station that parked the call should the Call Park Timer expire. The normal Hold Recall process is then initiated.
- A Parked call will indicate busy at all appearances.

## **OPERATION**

## Digital Phone

To park an active external call:

- 1. Press the [TRANS] button.
- Dial {Call Park Feature Code}.
- Dial the Call Park No (00-49).
- Return to idle.

To retrieve a parked call:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Dial (Call Park Feature Code).
- Dial the Call Park No (00-49).

Call Park 3-25

Chapter 3: System Features

## Single Line Phone

To park an active external call

- 1. Press the hook-switch.
- 2. Dial (Call Park Feature Code).
- 3. Dial the Call Park No (00-49).
- 4. Return to idle.

## To retrieve a parked call

- 1. Lift the handset.
- 2. Dial (Call Park Feature Code)
- 3. Dial the Call Park No (00-49).

#### ADMIN PROGRAMMING

## Numbering Data

Call Park Code (TRANS/PGM 113) ... see details on page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
36	Call Parking Location	541 + xx (Parking Location 00-49)

## Tenant Data

Call Park Hold Tone Time ... see page A-133\_use Web Admin (TRANS/PGM 290 - FLEX 58-59)

TRANS/PGM 290	BTN	RANGE	DEFAULT
TONE TIME Determines the amount of time tone is provided.	2	1-600	10

### **RELATED FEATURES**

Hold ... see page 3-101

Hold Recall ... see page 3-102

Call Pick-Up 3 - 26

Chapter 3: System Features

# Call Pick-Up

## Directed Call Pick-Up

A station may answer (Pick-Up) incoming and transferred intercom. CO and IP calls ringing at another station. All ringing calls are subject to Directed Call Pick-up except gueued Callbacks. Digital phone users may assign a Flex button as a {DIRECTED CALL PICK-UP} button.

#### CONDITIONS

- To pick-up a CO/IP call, the station must have an idle appearance button.
- When several calls are ringing at a station simultaneously, Call Pick-up will connect the first call received.
- Queue callback calls are not subject to Call Pick-up (receives an error tone).
- Only ringing intercom calls are subject to Call Pick-up; Intercom calls announced hands free cannot be picked up by another station.

#### **OPERATION**

## **Digital Phone**

To assign a {directed call pick-up} button:

Press [TRANS/PGM] + {Flex} + Button Feature Type (1) + {Direct Pickup Feature Code} + [HOLD/SAVE].

To Pick-up a call ringing at another station:

- 1. Lift the handset or press [SPEAKER].
- 2. Dial (Directed Call Pick-up code).
- Dial the intercom number of the ringing station. You may also pick up the call by pressing the DSS button of the ringing station.
  - See the "pickup by DSS button" option on the next page.

OR

- 1. Lift the handset or press [SPEAKER].
- 2. Press the {DIRECTED CALL PICK-UP} button.
- Dial the intercom number of the ringing station.

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## **Single Line Phone**

To Pick-up a call ringing at another station:

- 1. Lift the handset
- 2. Dial {Directed Call Pick-up code}.
- 3. Dial the number of the ringing station.

### ADMIN PROGRAMMING

Numbering Data

Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17

Station Group Data

Station Data -- Pickup by DSS (TRANS/PGM 124 - FLEX 9) ... see details on page A-27

TRANS/PGM 124	BTN	RANGE	DEFAULT
PICKUP BY DSS BUTTON this value determines the method of pickup when pressing DSS button.	9	0: Disable 1: Group Pickup 2: Direct Pickup	Direct Pickup

Station Group Attributes, Pick-up Option (TRANS/PGM 200 - FLEX 5) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable

Call Pick-up Group Attributes (TRANS/PGM 204) ... see details on page A-70

TRANS/PGM 204	BTN	RANGE	DEFAULT
PICK UP CONDITION this entry defines pick up condition. (All/Internal/External)	1	0: All Call 1: Int Call 2: Ext Call	All Call
PICK UP MEMBER ASG assigns stations as members of a station pickup group.	2	-	-

Call Pick-Up 3-28

Chapter 3: System Features

#### RELATED FEATURES

```
Intercom Signaling Mode ... see page 6-11
Group Call Pick-up ... see page 3-28
```

## Group Call Pick-Up

A Station can answer (Pick-Up) incoming and transferred intercom, CO and IP calls ringing at another station in the same station group. All ringing calls, except Private Queue Callbacks, are subject to Pick-up by other stations in the same group. Digital phone users may assign a Flex button as a {GROUP CALL PICK-UP} button.

#### CONDITIONS

- To pick-up a CO/IP call, the station must have an idle appearance button.
- When several calls are ringing at a station simultaneously, Call Pick-up will connect the first call received.
- Queue callback calls are not subject to Call Pick-up (receives error tone).
- Only ringing intercom calls are subject to Call Pick-up; Hands free announced intercom calls cannot be picked up by another station.
- When a station belongs to multiple groups, calls received are routed to the group with the lowest station number.

#### OPERATION

### **Digital Phone**

To assign a {GROUP CALL PICK-UP} button:

```
PRESS [TRANS/PGM] + {FLEX} + Button Feature Type(1) + {Group Pickup Feature
Code + [HOLD/SAVE]
```

To Pick-up a call ringing at another station:

- Lift the handset or press [SPEAKER].
- 2. Dial (Group Call Pick-up code). OR
- Press the programmed Group Call Pick-up button.

## Single Line Phone

To Pick-up a call ringing at another station:

- Lift the handset.
- 2. Dial (Group Call Pick-up code).

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## ADMIN PROGRAMMING

Numbering Data

Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17

Station Group Data

Station Group Attributes, Pick-up Option (TRANS/PGM 200 - FLEX 5) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable

## Call Pick-up Group Attributes (TRANS/PGM 204) ... see details on page A-70

TRANS/PGM 204	BTN	RANGE	DEFAULT
PICK UP CONDITION this entry defines pick up condition.	1	0: All Call	All Call
(All/Internal/External)		1: Int Call	
		2: Ext Call	
PICK UP MEMBER ASG assigns stations as members of a station	2	-	-
pickup group.			

### **RELATED FEATURES**

Intercom Signaling Mode ... see page 6-11

Group Call Pick-up ... see page 3-28

Station Group ... see page 3-154

## **Call Transfer**

## Call Transfer, Station

CO/IP calls can be transferred to other stations on the same System. Calls can be transferred without announcing the call (unscreened), or with announcement (screened).

When a call is transferred, the Transfer Recall Timer is initiated. If the timer expires before the call is answered, the Hold Recall process is initiated.

### CONDITIONS

- The transferring station may camp on a call on to a busy station.
- To prevent Toll abuse, CO/IP lines without an active call (either incoming or dialed digits on outgoing) cannot be transferred.
- For outgoing CO Line calls, the system will monitor the CO Line for dial tone to prevent Toll abuse; when an IP Line is seized, the system does not monitor for dial tone.

#### OPFRATION

## **Digital Phone**

While on a CO/IP call, to perform a Screened Call Transfer:

- Press [TRANS].
- Dial the station to receive the transfer.
- 3. At answer or splash tone, announce the call.
- Hang-up to complete the transfer. OR
- 5. Press the {DSS/BLF} button for the desired station.
- 6. When answered or when splash tone is heard, announce the call.
- Hang-up to complete the transfer.

While on a CO/IP call, to perform an Unscreened Call Transfer:

- 1. Press [TRANS].
- 2. Dial the station to receive the transfer.
- Hang-up to complete the transfer. OR
- 4. Press the {DSS/BLF} button for the desired station.
- 5. Hang-up to complete the transfer.



Call Transfer 3-31

Chapter 3: System Features

## **Single Line Phone**

While on a CO/IP call, to perform a Screened Call Transfer:

- Press for hook-switch.
- Dial the station to receive the transfer.
- 3. When answered or when splash tone is heard, announce the call.
- 4. Hang-up to complete the transfer.

While on a CO/IP call, to perform an Unscreened Call Transfer:

- Press for hook-switch.
- Dial the station to receive the transfer.
- 3. Hang-up to complete the transfer.

#### RELATED FEATURES

```
Hold Recall ... see page 3-102
Call Transfer, CO/IP ... see page 3-31
Station Flexible Buttons ... see page 6-21
```

## Call Transfer, CO/IP

A Station may be permitted to transfer a CO/IP call to another CO/IP line, establishing an Unsupervised Conference between the two external parties.

If the receiving party is called through an ISDN or VoIP path, the Transfer Hold Recall Timer is initiated and if it expires, Hold Recall is initiated.

#### CONDITIONS

- A call using the service of 2 CO lines and not providing call disconnection detection will be disconnected following the expiration of the Unsupervised Conference timer.
- The system provides Transfer Recall on ISDN and VoIP calls providing 'Answer Supervision'.
- If during a transfer to an external party, the user presses the CO/IP line of the original call, the outgoing call is disconnected and the original call is connected to the user.
- The CO-to-CO transfer can be enabled or disabled by using the Transit Option on CO line basis and also by using offnet forward option on station basis..
- If the transferred call is not answered by the destination Station, the call is routed to the 'Transfer No Answer Destination' of the CO Alternative Destination.
- When CO 1 is transferred to CO 2, if the CO 2 does not answer within the CO-to-CO transfer recall timer, both CO lines are disconnected.

Call Transfer 3-32

Chapter 3: System Features

## **OPFRATION**

#### **Digital Phone**

While on a CO/IP call, to perform a Screened Call Transfer:

- 1. Press [TRANS].
- Place a CO/IP call in the normal manner.
- 3. When answered, announce the call.
- 4. Hang-up to complete the transfer.

While on a CO/IP call, to perform an Unscreened Call Transfer:

- 1. Press [TRANS].
- 2. Place CO/IP call in the normal manner.
- Hang-up to complete the transfer.

## **Single Line Phone**

While on a CO/IP call, to perform a Screened Call Transfer:

- 1. Press for hook-switch.
- 2. Place CO/IP call in the normal manner.
- 3. When answered, announce the call.
- 4. Hang-up to complete the transfer.

While on a CO/IP call, to perform an Unscreened Call Transfer:

- Press for hook-switch.
- 2. Place CO/IP call in the normal manner.
- 3. Hang-up to complete the transfer.

### ADMIN PROGRAMMING

Station Number Data

Offnet Forward Access (TRANS/PGM 132, FLEX 3) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
OFFNET FORWARD ACCESS a station must be allowed Off Net Fwd to forward external incoming calls outside the system or otherwise establish a CO-to-CO connection.	3	0: Disable 1: Enable	Enable

3-33

CO Line Data CO-to-CO Attributes (TRANS/PGM 179) ... see details on page A-60

TRANS/PGM 179	BTN	RANGE	DEFAULT
STATION OUTGOING CALL TRANSFER while stations are connected to outgoing CO call of first CO Group, the station can transfer the call to second CO group.	1	0: Off 1: On	On
OUTGOING CALL TRANSFER while ATD is connected to outgoing CO call of first CO Group, the ATD can transfer the call to second CO group.	2	0: Off 1: On	On
OUTGOING CALL TRANSFER RELEASE TYPE if outgoing CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	3	0: None 1: Release after Release Timer	None
OUTGOING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnecting, a warning tone is provided.	4	000-300 (sec)	060
INCOMING CALL TRANSFER DIRECTLY if this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	5	0: Off 1: On	Off
STATION INCOMING CALL TRANSFER while stations are connected to incoming CO call of first CO Group, the station can transfer the call to second CO group.	6	0: Off 1: On	On
ATD INCOMING CALL TRANSFER while ATD is connected to incoming CO call of first CO Group, the ATD can transfer the call to second CO group.	7	0: Off 1: On	On
INCOMING CALL TRANSFER RELEASE TYPE If incoming CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	8	0: None 1: Release after Release Timer	None
INCOMING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnected, warning tone is provided.	9	000-300 (sec)	060

## Unsupervised Conference Extend (TRANS/PGM 166) ... see details on page A-50

TRANS/PGM 166	BTN	RANGE	DEFAULT
UNSUP CONF ENTEND If this feature is set to ON, unsupervised conference timer can be extended by dial feature code after warning tone is heard.	3	0: Disable 1: Enable	Disable

## Unsupervised Conference Extend (TRANS/PGM 171) ... see details on page A-57

TRANS/PGM 171	BTN	RANGE	DEFAULT
UNSUP CONF EXTEND If this feature is set to ON, Unsupervised Conf Timer can be extended by dialing feature code after warning tone is heard.	2	0: Off 1: On	Off

# Unsupervised Conference Timer (TRANS/PGM 166) ... see details on page A-50

TRANS/PGM 166	BTN	RANGE	DEFAULT
UNSUP CONF TIMER 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.	9	000-255 (min)	000

## Unsupervised Conference Timer (TRANS/PGM 171) ... see details on page A-57

TRANS/PGM 171	BTN	RANGE	DEFAULT
UNSUP CONF TIMER 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.	6	000-255 (min)	000

Call Transfer

## Incoming CO Alternate Destination (TRANS/PGM 169) ... see details on page A-54

TRANS/PGM 169	BTN	RANGE	DEFAULT
Incoming CO Alternataive DAY	1	F1: Busy F2: No Answer	Disconnect 1 sec
NIGHT	2	F3: Invalid F4: Transfer No Answer F5: Recall No Answer	Disconnect 1 sec
TIMED	3	F5: Recall No Answer F6: DND F7: Out Of Service F8: Error 1: Disconnect 2: Attendant 3: CO Ring 4: Alt Ring Table 5: Tone 6: Pilot HuntGroup	Disconnect 1 sec

## Outgoing CO Alternate Destination (TRANS/PGM 173) ... see details on page A-57

TRANS/PGM 173	BTN	RANGE	DEFAULT
DAY ALT DEST Abnormal case can be selected as error type.	-	F1: Recall No Answer F2:Transfer No Answer F3: No Answer	-
NO ANSWER DISCONNECT The CO call is disconnected. Every destination is set to 'Disconnect' by default.	1	-	-
NO ANSWER ATTENDANT The CO call is routed to Attendant.	2	-	-
NO ANSWER CO RING ASSIGN The CO call is routed according to Ring Assign Table. (see TRANS/PGM 167)	3	-	-
NO ANSWER ALT RING TBL 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 TRANS/PGM 181)	4	01-80	-
NO ANSWER TONE If destination is set to Tone, the Error / Busy tone is heard.	5	-	-

TRANS/PGM 173	BTN	RANGE	DEFAULT
NO ANSWER PILOT HUNT GROUP The CO call is routed to Pilot Hunt Group of the original destination.	6	-	-
NO ANSWER RING The call is routed to the same destination again.	7	-	-
NO ANSWERThe CO call is routed to the transferred station again. Only possible for 'Transfer No Answer' case.	8	-	-

# CO-to-CO Transfer Timer (TRANS/PGM 220) ... see details on page A-83

TRANS/PGM 220	BTN	RANGE	DEFAULT
CO-CO TRANS TMR 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.	1	000-300 secs	030
HOT-DESK LOGOUT TMR Determines the amount of time the attendant receives recall after which the system will disconnect the call.	2	00-24 hrs	00
ACNR PAUSE TMR This timer establishes the time between ACNR attempts.	3	005-300 secs	030
PAGE TIME OUT TMR Determines the maximum duration of a page after which the caller and Page Zone are released.	4	000-300 secs	15
PAUSE TMR A Timed pause of this duration is used in Speed Dial and during other automatically dialed digits sent to the PSTN.	5	1-9 secs	3
VM PAUSE TMR When the system sends a "Pause" to Voice Mail using In-band signals, the Pause interval is defined by this timer.	6	1-9 secs	3
VMIB-MSG MIN TMR 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.	7	1-9 secs	4
VMIB-MSG MAX TMR This timer sets the maximum duration allowed for the User Greeting in the system's VMIB.	8	00-999 secs	60
CALL-WAIT WARN TMR Determine the call-wait indication tone repeat time.	9	010-1800 secs	030
CAMP-ON WARN TMR Determine the camp-on indication tone repeat time.	10	010-1800 secs	030

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TRANS/PGM 220	BTN	RANGE	DEFAULT
CCR INTER-DGT TMR Inter-digit timer used with Customer Call Routing function.	11	01-30 secs	03
WEB PSWD GUARD TMR If no data packets are received during a Web Admin connection for the Guard time, a password check will be initiated by the system.	12	001-999 mins	5

#### RELATED FEATURES

Hold Recall ... see page 3-102

Call Transfer, Station ... see page 3-30

Unsupervised Conference ... see page 3-53

## CO/IP Access

Stations can access outgoing CO/IP lines based on CO/IP Group Access programming. Digital Phones may use flexible buttons assigned to access a specific (CO) line, using a (CO ACCESS CODE) for outgoing calls.

#### CONDITIONS

- When a user dials a {CO Access Code}, the system will search the assigned CO group for an idle CO/IP line, if there is no idle CO/IP line then the system will search the 1st CO/IP Group for an idle CO/IP line; the user will receive a busy tone.
- A telephone user not allowed access to a CO/IP line will receive an error tone when access is attempted; the station may receive transferred calls despite denied access on the line but will not be able to flash or use the CO/IP line for an outgoing call.
- A station denied access to a CO/IP line but assigned to receive CO/IP line calls may answer incoming calls. The user may transfer calls but cannot make an outgoing call on the CO/IP line.
- CO/IP lines placed on hold may be retrieved by dialing the {Retrieve Held CO/IP code} and the CO/IP line number.
- The Tx path to a station will be muted until the system has verified the Toll Restriction for the CO/IP line.
- When a CO line is seized, the system will monitor the line for dial tone.
- The System selects lines from a group using the Round Robin, First-Choice or Last-Choice method based on Admin Programming.

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#### **OPFRATION**

### **Digital Phone**

To place an outgoing CO call:

- 1. Lift the handset or press the [SPEAKER] button.
- Press desired (CO) line, and enter (CO ACCESS CODE). OR
- Dial the CO line or CO Access Code.
- 4. Dial the desired number.

## To place an outgoing IP call:

- Lift the handset or press the [SPEAKER] button.
- Press desired (CO) line, and enter (CO ACCESS CODE). OR
- Dial the CO line or CO Access Code.
- Dial the desired number registered in H.323 Routing Attribute (TRANS/PGM 360), then the outgoing call will be made to the assigned IP-Address.

#### To receive an IP call:

If a call is received from the assigned IP-Address in H.323 Incoming Attribute, it is routed to the assigned incoming CO Group.

To answer an incoming CO/IP call:

- 1. Lift the handset or press the [SPEAKER] button. OR
- 2. Press (DN) button, and lift the handset to speak privately.

## Single Line Phone

To place an outgoing CO/IP call:

- Lift the handset.
- 2. Dial the CO line or CO Access Code.
- Dial the desired number.

To answer an incoming CO/IP call:

Lift handset.

## **ADMIN PROGRAMMING**

## CO Line Data

CO Group Access Code (TRANS/PGM 180) ... see details on page A-62

TRANS/PGM 180	BTN	RANGE	DEFAULT
ACCESS CODE NAME When a CO Grp Access code is dialed or Flex Button is pressed; name is displayed on the station's LCD.	1	Max 16 chars	-
CO LINE CHOICE Decide to select to CO line priority to seize. NOTE: When Outgoing Group Number is not assigned, this option is not applied.	2	0: Round Robin 1: Last Line 2: First Line	Last Line
OUTGOING GRP NO Determines the CO Group number used to seize. NOTE: If not assigned, the access code is used as LOOP key.	3	01-72 (MBX IP -300) 01-24 (MBX IP -100)	Not assigned to the first access code. 01-72 (MBX IP-300) 01-24 (MBX IP-100) is assigned sequentially from the second access code
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.	4	Max 10 digits	-
ARS SERVICE If Alternate Route Selection (ARS) is set, ARS digit is dialed instead of CO Group Access code when there is no available path.	5	0: Off 1: On	Off
ARS DGT 1 Alternate CO Group Access code to be used when original CO Group Access code failed to find available CO line.	6	Max 8 digits	-
ARS 1 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	7	0: Off 1: On	Off
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.	8	Max 8 digits	-
ARS 2 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	9	0: Off 1: On	Off

## CO Line Group (TRANS/PGM 160 - FLEX 3-4) ... see details on page A-45

TRANS/PGM 160	BTN	RANGE	DEFAULT
OUTGOING GRP NO Set CO Group Number to apply to outgoing calls.	3	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	
INCOMING GRP NO Set CO Group Number to apply to incoming calls.	4	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01

#### H.323 Data

## H.323 Routing Attribute (TRANS/PGM 360) ... see details on page A-146

TRANS/PGM 360	BTN	RANGE	DEFAULT
DIGIT (1) destination numbers associated with the H.323 routing system.	1	Max 8 digits	-
DEST IP ADDR destination IP address associated with the H.323 routing system.	2	-	0.0.0.0

### Station Data

CO Group Access (TRANS/PGM 150) ... see details on page A-43

# **CO/IP Call Time Restriction**

The System can be programmed to limit the length of calls at specified stations. When a specified Station places a call, the system initiates the Call Restrict timer, and 15 seconds prior to timer expiration, a warning tone is delivered. At expiration, the system terminates the call returning the external CO/IP line to idle.

Call time restriction can be applied differently according to call types (Local call, Long Distance call or international call).

## **CONDITIONS**

- The warning tone can be provided periodically or once as programmed.
- Once activated, the Call Warning Tone timer continues timing while the call is connected to the system even if the call is transferred or picked up at another station.

## **OPERATION**

## System

Operation of this feature is automatic when assigned:

## ADMIN PROGRAMMING

### Station Data

Call Duration Restrict Access (TRANS/PGM 134 - FLEX 4) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
CALL DURATION RESTRICT restricts CO Call Duration to station.	4	0:Disable 1:Enable	Disable

## Tenant Data

Call Duration Restriction (TRANS/PGM 284-285) ... see details on page A-131

TRANS/PGM 284	BTN	RANGE	DEFAULT
NORMAL CO LINE Determines call restriction for Normal CO line.	1	0: No Restriction 1: All Calls 2: Long/ International 3: Internationa	0: No Restriction
DEDICATED LINE Determines the call restriction for TIE line.	2	No restriction     Restriction	0: No Restriction
LOCAL CALL AFTER R-TIME Determines the operation of Local calls after the Restriction timer expires.	3	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
LONG CALL AFTER R-TIME Determines the operation of Long Distance calls after the Restriction timer expires.	4	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
INTERNAT AFTER R-TIMEDetermines the operation of International calls after the Restriction timer expires.	5	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
DEDICATED CALL AFTER R-TM Determines the operation of TIE calls after the Restriction timer expires.	6	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone

TRANS/PGM 285	BTN	RANGE	DEFAULT
LOCAL CALL TONE RPT-TIMER Determines the Tone Repeat timer of Local calls.	1	010-254	020
LONG CALL TONE RPT TMRDetermines the Tone Repeat timer of Long Distance calls.	2	010-254	020
INTNATION CALL TONE RPT Determines the Tone Repeat timer of International calls.	3	010-254	020
DEDICATED CALL TONE RPT Determines the Repeat timer of Dedicated Line calls.	4	010-254	020
LOCAL CALL DISC TMR Determines entry defines Disconnect timer of Local calls.	5	10-60	15
LONG CALL DISC TMR Determines the disconnect timer of Long Distance calls.	6	10-60	15
INTERNATIONAL DISC TMR Determines the Disconnect timer of International calls.	7	10-60	15
DEDICATED CALL DISC TMR Determines the Disconnect timer of Dedicated Line calls.	8	10-60	15
LOCAL CALL REST TMR Determines the Restriction timer of Local calls.	9	001-100	003
LONG CALL REST TMR Determines the Restriction timer of Long Distance calls.	10	001-100	003
INTERNATIONAL REST TMR Determines the Restriction timer of International calls.	11	001-100	003
DEDICATED CALL REST TMR Determines the Restriction timer of Dedicated Line calls.	12	001-100	003

Local Call Prefix Table (TRANS/PGM 286) ... see details on page A-132 Long Distance Call Prefix Table (TRANS/PGM 287) ... see details on page A-133 International Call Prefix Table (TRANS/PGM 288) ... see details on page A-133

# CO/IP Call Warning Tone Timer

Stations can receive a tone indicating the elapsed time of a CO/IP call has reached the CO Warning Tone time (timer expiration). A warning tone is presented to the call parties notifying that the Warning Tone Timer is about to expire.

### CONDITIONS

Warning tone is received 15 seconds prior to expiration of the timer and can be repeated every tone repeat time.

### **OPERATION**

## System

If enabled, operation of this feature is automatic:

### ADMIN PROGRAMMING

#### Station Data

Call Duration Restrict Access (TRANS/PGM 134 - FLEX 4) ... see details on page A-34

## Tenant Data

Call Duration Restriction (TRANS/PGM 284-285)... see details on page A-131

TRANS/PGM 284	BTN	RANGE	DEFAULT
NORMAL CO LINE Determines call restriction for Normal CO line.	1	0: No Restriction 1: All Calls 2: Long/ International 3: Internationa	0: No Restriction
DEDICATED LINE Determines the call restriction for TIE line.	2	0: No restriction 1: Restriction	0: No Restriction
LOCAL CALL AFTER R-TIME Determines the operation of Local calls after the Restriction timer expires.	3	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
LONG CALL AFTER R-TIME Determines the operation of Long Distance calls after the Restriction timer expires.	4	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone

TRANS/PGM 284	BTN	RANGE	DEFAULT
INTERNAT AFTER R-TIMEDetermines the operation of International calls after the Restriction timer expires.	5	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
DEDICATED CALL AFTER R-TM Determines the operation of TIE calls after the Restriction timer expires.	6	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone

TRANS/PGM 285	BTN	RANGE	DEFAULT
LOCAL CALL TONE RPT-TIMER Determines the Tone Repeat timer of Local calls.	1	010-254	020
LONG CALL TONE RPT TMRDetermines the Tone Repeat timer of Long Distance calls.	2	010-254	020
INTNATION CALL TONE RPT Determines the Tone Repeat timer of International calls.	3	010-254	020
DEDICATED CALL TONE RPT Determines the Repeat timer of Dedicated Line calls.	4	010-254	020
LOCAL CALL DISC TMR Determines entry defines Disconnect timer of Local calls.	5	10-60	15
LONG CALL DISC TMR Determines the disconnect timer of Long Distance calls.	6	10-60	15
INTERNATIONAL DISC TMR Determines the Disconnect timer of International calls.	7	10-60	15
DEDICATED CALL DISC TMR Determines the Disconnect timer of Dedicated Line calls.	8	10-60	15
LOCAL CALL REST TMR Determines the Restriction timer of Local calls.	9	001-100	003
LONG CALL REST TMR Determines the Restriction timer of Long Distance calls.	10	001-100	003
INTERNATIONAL REST TMR Determines the Restriction timer of International calls.	11	001-100	003
DEDICATED CALL REST TMR Determines the Restriction timer of Dedicated Line calls.	12	001-100	003

CO/IP Queuing

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Local Call Prefix Table (TRANS/PGM 286) ... see details on page A-132
Long Distance Call Prefix Table (TRANS/PGM 287) ... see details on page A-133
International Call Prefix Table (TRANS/PGM 288)... see details on page A-133

#### RELATED FEATURES

CO/IP Call Time Restriction ... see page 3-40

# **CO/IP Queuing**

When CO/IP lines are busy, permitted users can request to be placed in queue awaiting availability of the CO/IP line or a CO/IP line in the same group. When an appropriate CO/IP line becomes available, the system calls the waiting station on a First-In, First-Out (FIFO) basis.

#### CONDITIONS

- A CO/IP line can have any number of simultaneous queue requests.
- A Station may only have a single active CO/IP queue request; activating a new queue request will replace (cancel), an existing queue.
- A Queue recall will always notify the station with a tone ring, ignoring the station's assigned Intercom Signaling mode.
- Queue recall will signal a station for 15 seconds, if unanswered, the station is removed from the queue.
- If a station requests CO Queuing on a busy CO line, the requesting station checks the busy CO line's status every 5 seconds and receives CO Queue Recall Ring when the status check timer expires after a busy CO line returns to idle. Therefore, Queue Recall ring may be delayed after a busy CO line returns to idle. In addition, when several stations request CO Queuing to a busy CO line, the Queue Recall Ring may not be provided sequentially.

#### OPERATION

#### **Digital Phone**

To request to be placed in queue for a busy CO/IP line:

- Press the desired (CO GROUP ACCESS CODE) button or dial the CO Group Access Code.
- 2. Press the [MSG/CALLBK] button, a confirmation tone is received.
- 3. Hang-up; the [MSG/CALLBK] LED will flash.

To cancel the gueue from the gueued station:

Press the [MSG/CALLBK] button, the [MSG/CALLBK] LED extinguishes.

### **Single Line Phone**

To request to be placed in queue while receiving the "All Lines Busy" signal:

- Press the hook-switch.
- 2. Enter the {Call Back Feature code}.

To cancel the queue from the queued station:

- Lift the handset.
- 2. Enter the {Call Back Cancel Feature code}.

### **System**

When a CO/IP line becomes available:

A distinctive Queue Recall is sent to the station with the oldest queued call, the appropriate {CO/IP} line button LED will flash; the CO/IP line and station will appear busy to all other users.

#### ADMIN PROGRAMMING

#### Station Data

CO Queuing Access (TRANS/PGM 133 - FLEX 1) ... see details on page A-33

TRANS/PGM 133	BTN	RANGE	DEFAULT
CO QUEUE ACCESS enable CO Queuing.	1	0: Disable 1: Enable	Enable

## Numbering Data

CO Group Access Code (TRANS/PGM 114) ... see details on page A-21

TRANS/PGM 114	BTN	RANGE	REMARK
CO GRP ACCESS CODE (Edit By Range)	1	Start CO Grp Access Code & End CO Grp Access Code	-
CO GRP ACCESS CODE (Edit)	2	CO Grp Access Code	-

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#### RELATED FEATURES

CO/IP Access ... see page 3-37

## Conference

Conference supports communication between multiple parties (up to 13 per conference). The following table lists conference capacities for the MBX IP 100/300 systems. NOTE: There are 133 extra TDM channels for the Conference feature.

Conference Type	Total number of conferences
3-way conference	No limit
4-way conference	33
5-way conference	19
6-way conference	13
7-way conference	12
8-way conference	9
9-way conference	5
10-way conference	4
11-way conference	4
12-way conference	3
13-way conference	3

## **Conference Room**

In addition to ad-hoc conferencing, users may establish a Conference Room. Both internal and external parties can be invited to a conference room and can join a conference room without further action by the user that established the Conference Room. A user can transfer an active call to a Conference Room. A Conference Room can be password protected restricting parties allowed to enter.

Up to 9 Conference Rooms can be set-up and each can support up to maximum 13-party.

### CONDITIONS

- Once established, a Conference Room will remain opened until the Room is deleted.
- Phontage and UCS Client may also create, delete and join a Conference Room; for operation instructions, refer to the Phontage or UCS Client User Guide.

Conference

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#### **OPFRATION**

#### Digital Phone

To set-up a Conference Room:

- 1. Enter the {Create-Conference-Room Feature} Code.
- 2. Dial the desired Conference Room number (571-579).
- If desired, enter a password for the Conference Room (Max. 6 digits).
- Press [HOLD/SAVE] to establish the Room.

#### To join a Conference Room:

- 1. Dial the Conference Room Number.
- 2. Dial the Conference Room password and \* for end mark if password is less than 6-digits (if the password is 6-digits, dialing \* is not needed).

#### To delete a Conference Room:

- Enter the {Delete-Conference-Room Feature} Code.
- 2. Dial the Conference Room number (571-579).
- 3. Dial the Conference Room password and \* for end mark if password is less than 6-digits (if the password is 6-digits, dialing \* is not needed).
- 4. Press [HOLD/SAVE] to delete the Conference Room.

#### To transfer a call to a Conference Room:

- 1. Press the [TRANS] button.
- Dial the Conference Room Number.
- 3. Dial the Conference Room password and \* for end mark if password is less than 6-digits (if password is 6-digits, dialing \* is not needed).
- 4. Hang-up to complete the transfer.

#### Single Line Phone

To set-up a Conference Room:

- Lift the handset.
- 2. Dial (Conference Room Create Code).
- Dial the desired Conference Room number (1-9).
- Dial the Conference Room password.
- Press the hook-switch.



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### To join a Conference Room:

- 1. Lift the handset.
- Dial the Conference Room Number.
- 3. Dial the Conference Room password and \* for end mark if the password is less than 6-digits (if password is 6-digits, dialing \* is not needed).

#### To delete a Conference Room:

- 1. Lift the handset.
- Dial (Conference Room Delete Code).
- 3. Dial the Conference Room number (1-9).
- 4. Dial the Conference Room password and \* for end mark if the password is less than 6-digits (if password is 6-digits, dialing \* is not needed).
- 5. Press the hook-switch.

#### ADMIN PROGRAMMING

#### Station Data

Conference Access (TRANS/PGM 133 - FLEX 2) ... see details on page A-33

TRANS/PGM 133	BTN	RANGE	DEFAULT
CONFERENCE ACCESS enable Conference call.	2	0: Disable 1: Enable	Enable

## Numbering Data

Conference Room Create/Delete Code (TRANS/PGM 113) ... see details on page A-19

BTN	FEATURE	REMARK	
49	Create Conf Room	527 + Conf. Room #	
50	Delete Conf Room	528 + Conf. Room #	

#### **RELATED FEATURES**

CO/IP Access ... see page 3-37

Hold Recall ... see page 3-102

Unsupervised Conference ... see page 3-53

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## Multi-Party Voice Conference

The system allows multiple internal and external parties to be connected on a call, in conference mode.

#### CONDITIONS

- The [CONF] button will remain illuminated at the phones that are temporarily out of conference for the duration of the conference.
- If the system receives a disconnect signal and no internal parties remain in the conference, the conference will be terminated and all remaining parties will be disconnected.
- The normal Hold Recall process is applied to a conference on hold using the Unsupervised Conference Recall timer for recall timing.
- If while setting up a conference, a system error tone is received, the initiator must press the [CONF] button (SLT must hook-flash) to regain the Intercom dial tone.
- A station that is busy, in DND or other non-idle state cannot be added to a conference.

#### **OPERATION**

#### Digital Phone

To establish an ad-hoc conference:

- Establish the first call.
- 2. Press the [CONF] button; the LED will light, the connected party is placed on exclusive hold and the user receives a dial tone.
- Place the second call.
- 4. When connected, press [CONF]; the new call is placed on exclusive hold.
- 5. Repeat steps 3 and 4 above to add additional conference parties (up to 13 total per conference).
- Press the [CONF] button to establish conference.

To establish an ad-hoc conference: ("Conference Member Manual Add" is set to OFF)

- Establish the first call.
- 8. Press the [CONF] button; the LED will light, the connected party is placed on exclusive hold and the user receives a dial tone.
- Place the second call.
- 10. When connected, the called party is put into conference and calling party also returns to conference.
- 11. Repeat steps 3 and 4 above to add additional conference parties (up to 13 total per conference).

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To get out from a conference temporarily:

Press the [CONF] button, the [CONF] button LED will flash.

To return to a conference call:

Press the flashing [CONF] button.

#### **Single Line Phone**

To establish an ad-hoc conference: ("Conference Member Manual Add" is set ON)

- 1. Establish the first call.
- 2. Press the hook-switch, the connected party is placed on exclusive hold and the user receives a dial tone.
- 3. Dial the {Conference Member Add Code}.
- 4. Place the second call.
- 5. When connected, repeat steps 2-4 above to add additional parties. {Conference Member Add Code} should be dialed at least once.
- 6. When completed adding parties, quickly press the hook-switch twice (within 2 seconds), all parties will be connected.

To establish an ad-hoc conference: ("Conference Member Manual Add" is set OFF)

- Establish the first call.
- Press the hook-switch, the connected party is placed on exclusive hold and the user receives a dial tone.
- 3. Dial the {Conference Member Add Code}.
- 4. Place the second call.
- 5. When connected, the called party is put into conference and calling party also returns to conference.
- 6. Repeat steps 2-5 above to add additional parties. {Conference Member Add Code} should be dialed at least once.

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#### ADMIN PROGRAMMING

#### Station Data

Conference Access (TRANS/PGM 133 - FLEX 2) ... see details on page A-33

TRANS/PGM 133	BTN	RANGE	DEFAULT
CONFERENCE ACCESS enable Conference call.	2	0: Disable 1: Enable	Enable

#### Tenant Data

Conference Member Manual Add (TRANS/PGM 281 - FLEX 1) ... see details on page A-128

TRANS/PGM 281	BTN	RANGE	DEFAULT
CONF MEMBER MANUAL ADD 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.	1	0: Off 1: On	1: On

#### **RELATED FEATURES**

Automatic Speaker Select ... see page 6-4

Hold Recall ... see page 3-102

Unsupervised Conference ... see page 3-53

Broker Call ... see page 8-1

Conference Room ... see page 3-47

## **Consultation Conference**

A Digital phone user may establish a conference while talking with a party as a screened transfer, which results in a 3-party conference.

#### **OPERATION**

#### **Digital Phone**

To set up a Consultation Conference:

Conference

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- 1. Press the [TRANS] button while talking with an internal or external party.
- Make a call to another internal or external party.
- 3. Talking on a second call, press the [CONF] button. Then, 3-party conference will be established.

#### RELATED FEATURES

Multi-Party Voice Conference ... see page 3-50

## **Unsupervised Conference**

A Digital phone user may establish a conference with external parties and exit the conference while allowing the external parties to converse privately without supervision from the user.

The system will disconnect the Unsupervised conference if disconnect is detected with only two parties connected or at expiration of the Unsupervised Conference timer. A Disconnect Warning tone is provided fifteen seconds prior to expiration of the timer.

If enabled, either party in an Unsupervised Conference can request the Unsupervised Conference timer be extended. The party enters the Timer Extension feature code and a digit 1 to 9 indicating the Timer extension multiplier; the system will then extend the timer based on the dialed digit multiple of the Timer. For example, if the Unsupervised Conference timer is 5 minutes and the user dials the digit 4, the timer will extend to 20 minutes (4 multiplied by 5 minutes).

#### CONDITIONS

- The Unsupervised Conference Timer will also apply to an external call placed by a DISA user.
- An Unsupervised conference will be terminated if the system receives a disconnect signal or the Unsupervised Conference Timer expires.
- An Unsupervised Conference will not recall at the user Station.

#### **OPERATION**

## **Digital Phone**

To set up an Unsupervised Conference:

- 1. Establish a conference by the normal procedure.
- Goes On-Hook then remained External users can communicate without Supervisor.

To set up a Supervised Conference:

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- 1. Establish a conference by the normal procedure.
- 2. Press the [CONF] button; the button LED will flash to indicate the Supervised Conference activation (once set up, the conference supervisor must re-enter the conference).

To reenter the Supervised Conference:

Press the flashing [CONF] button.

Conf Party To extend the Unsupervised Conference from a connected party:

Dial the Timer extension multiplier (1-9).

#### ADMIN PROGRAMMING

Station Data

Conference Access (TRANS/PGM 133 - FLEX 2) ... see details on page A-33

TRANS/PGM 133	BTN	RANGE	DEFAULT
CONFERENCE ACCESS enable Conference call.	2	0: Disable 1: Enable	Enable

### CO Line Data

Unsupervised Conference Timer (TRANS/PGM 166 - FLEX 9) ... see details on page A-50

TRANS/PGM 166	BTN	RANGE	DEFAULT
UNSUP CONF TIMER (Incoming CO) 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.	9	000-255 (min)	000

Unsupervised Conference Timer (TRANS/PGM 171 - FLEX 6) ... see details on page A-57

TRANS/PGM 171	BTN	RANGE	DEFAULT
UNSUP CONF TIMER (Outgoing CO) 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.	6	000-255 (min)	000

**Customer Site Name** 

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Unsupervised Conference Extend (TRANS/PGM 171 - FLEX 2) ... see details on page A-57

TRANS/PGM 171	BTN	RANGE	DEFAULT
UNSUP CONF EXTEND if this feature is set to ON, Unsupervised Conf Timer can be extended by dialing feature code after warning tone is heard.	2	0: Off 1: On	Off

### Numbering Data

Unsupervised Conference Extend Code (TRANS/PGM 113) ... see details on page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
45	Unsupervised Conf Extend	5##

#### RELATED FEATURES

Multi-Party Voice Conference ... see page 3-50

#### **HARDWARE**

Digital Phone to establish Unsupervised Conference

## **Customer Site Name**

A Customer Name, up to 24 characters, may be entered into the system database. The name will be displayed on the SMDR and database outputs as well as during Admin. sessions.

## **OPERATION**

## System

When a name is assigned, operation of this feature is automatic.

#### **ADMIN PROGRAMMING**

#### System Info

Site Name (TRANS/PGM 100) ... see details on page A-8

TRANS/PGM 100	BTN	RANGE	REMARK
SITE NAME selects Speakerphone mode, Headset mode or Ear Mic Mode.	2	24 characters	-

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# **Data Line Security**

Data transmitted over CO lines is subject to distortion and errors if system tones such as Camp-On, Call Wait and Override are applied during transmission. To eliminate such errors, stations that use analog data (modems or Fax) can be assigned to block incoming system tones.

#### CONDITIONS

- Stations or an Attendant attempting to Camp-On or Override a station with Data Line Security will receive an error tone.
- When Data Line Security is enabled, the system will not apply audio gain to the call.

#### **OPERATION**

### System

When Data Line Security is assigned, System tones are automatically blocked.

#### ADMIN PROGRAMMING

#### Station Data

Data Line Security (TRANS/PGM 123 - FLEX 6) ... see details on page A-26

TRANS/PGM 123	BTN	RANGE	DEFAULT
DATA SECURITY disables override and camp-on tones to the station to avoid occurring error when sending data.	6	0: Off 1: On	Off

# Delayed CO/IP Ring

Determines if the CO/IP Ringing will be sent immediately on receipt, or delayed. The delay can be up to 30 system ring cycles, allowing other stations to answer the call.

#### CONDITIONS

- Delay Ring can be assigned for a station.
- The station will receive immediate ringing, if no delay is entered when programming Ring assignments.
- If stations are assigned for immediate ring, the call will be routed using the incoming CO Alternate programming.
- The delay is applied only when ring service type is 'Ring-RING'.

#### **OPERATION**

## System

When assigned, Delay Ring operation is automatic.

#### ADMIN PROGRAMMING

#### CO Line Data

CO Station Ring Assignment (TRANS/PGM 167) ... see details on page A-51

TRANS/PGM 167	BTN	RANGE	DEFAULT
SERVICE TYPE 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. The service type determines where the incoming call will ring first. Options are ring to a station(s) or ring to a feature such as auto attendant, hunt group, etc.	1	0: Ring Assign 1: Feature 2: Circular 3: Feature Code	All Ring
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.	2	Valid Feature Code (refer to TRANS/PGM 115)	-
FEATURE DELAY If Service type is set to Feature code, it can be delayed.	3	00-30	00

TRANS/PGM 167	BTN	RANGE	DEFAULT
100 (0) Assigned station and delay value can be displayed. Volume Up/Down key is used to scroll data.	4	-	-
MEMBER ASSIGN To change station's ring assign status, enter desired station range. (Max 30 stations can be assigned)	5	Start Station & End Station	-
DELAY 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).	5-1	0-9	Sta 100 (Port 0):delay 0 Others: not assigned

# **Delayed Auto Attendant**

An incoming CO/IP call can be routed to the VMIB Auto Attendant either immediately upon detection or after a delay time (up to 90 seconds). This allows other stations assigned for immediate ringing the opportunity to be answered before the call is routed to the Auto Attendant.

#### CONDITIONS

- CO Ring Assignment must be set for service type 'Ring Assign' and the Feature Code Delay Counter (TRANS/PGM 167) must be enabled including the desired VM announcement.
- When Delayed Auto Attendant Ring is assigned, following expiration of the delay, the call will no longer ring at the assigned stations and will be routed to the VMIB Auto Attendant.
- If no delay is entered, the call will ring to the ring assigned station immediately and delayed auto attendant is not operated.
- To assign a Delayed Attendant ring, at least one station must be assigned for immediate ringing.

## **OPERATION**

#### System

When assigned, operation of this feature is automatic.

## **ADMIN PROGRAMMING**

CO Line DataCO Ring Assignment (TRANS/PGM 167) ... see details on page A-51

TRANS/PGM 167	BTN	RANGE	DEFAULT
SERVICE TYPE 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. The service type determines where the incoming call will ring first. Options are ring to a station(s) or ring to a feature such as auto attendant, hunt group, etc.	1	0: Ring Assign 1: Feature 2: Circular 3: Feature Code	All Ring
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.	2	Valid Feature Code (refer to TRANS/PGM 115)	-
FEATURE DELAY If Service type is set to Feature code, it can be delayed.	3	00-30	00
100 (0) Assigned station and delay value can be displayed. Volume Up/Down key is used to scroll data.	4	-	-
MEMBER ASSIGN To change station's ring assign status, enter desired station range. (Max 30 stations can be assigned)	5	Start Station & End Station	-
DELAY 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)	5-1	0-9	Sta 100 (Port 0):delay 0 Others: not assigned

## Table Data

Announcement Table (TRANS/PGM 259) ... see details on page A-111

TRANS/PGM 259	BTN	RANGE	DEFAULT
The VMIB slot & Prompt No. to be used for playing the VMIB Announcement No.	1-4	VMIB Slot (00-18) & Prompt No (01-70)	-
CCR Index used for playing the VMIB Announcement No.	5	1-100	-

# Diagnostic/Maintenance

The System software incorporates various diagnostic and maintenance routines that may be "called" remotely or locally through the System RS-232 Serial ports, a TCP/IP connection using a Web browser established over IP networks.

Routines that can be accessed include trace functions at the device level, commands for diagnostics and maintenance, and tools for manipulation at the OS level.

An optional Network Management System (NMS) application is available providing remote access to the system for maintenance and diagnostics.

# **Dial-By-Name**

A name, up to 16 characters, may be assigned to each Station and System Speed dial. In addition, each station may be assigned a 16-character name. When assigned, a user may place an intercom call to another station or select a Station or System Speed dial using the name.

The user selects from one of three Dial-by-Name directories and enters characters employing 2 dial pad buttons for each character. The system finds and displays the nearest match to the user entries. The user may continue entering characters or scroll the directory at any point using the [VOL UP]/[VOL DWN] button and select a name to call. The number associated with a selected name is displayed by using the [TRANS] button.

#### CONDITIONS

- Available characters are A to Z, space, and period; refer to Station Speed Dial for character entry.
- The LCD will display multiple names (one per LCD line up to 16 characters).
- If a user selects a directory with no entries or there is no match to the user entry, an "Empty List" message is displayed and the error tone is provided.
- Dial-by-Name is only available to Digital Phones with a display; other users will receive an error tone if an attempt is made to access Dial-by-Name.
- A user may both scroll and enter characters to search a directory.

#### **OPFRATION**

#### Digital Phone

To use Dial by Name on a two-line phone:

- 1. Press the [SPEED] button twice.
- 2. Dial the desired directory:
  - 1 Station Speed
  - 2 System Speed
  - 3 Station Name
- Search the directory using the [VOL UP]/[VOL DOWN] button or by entering characters.
- Press the [HOLD/SAVE] button to place the call.

To use Dial by Name on a three-line phone:

- Press the {DIR} Soft button.
- 2. Dial the desired directory: 1 Station Speed 2 System Speed 3 Station Name.
- 3. Search the directory using the [VOL UP]/[VOL DOWN] button or by entering characters.
- 4. Press the [HOLD/SAVE] button to place the call.

To program the station user name:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 12 (User Name Program code).
- Enter the name (up to 16 characters); refer to Station Speed Dial for character entry.
- Press [HOLD/SAVE].

### Single Line Phone

To program the station user name:

- 1. Lift the handset
- Dial {Name Register Code}.
- Enter the name (up to 16 characters); refer to Station Speed Dial for character entry.
- Press the hook-switch, confirmation tone is received.

Chapter 3: System Features

#### ADMIN PROGRAMMING

#### Station Data

Speed Access (TRANS/PGM 134 - FLEX 1) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
SPEED ACCESS gives station speed dial bins access authority.	1	0:Disable 1:Enable	Enable

#### RELATED FEATURES

Station Speed Dial ... see page 3-147

#### HARDWARF

Digital Phone w/Display

## **Dial Pulse to Tone Switchover**

On a pulse dial CO line, the user can request the system to change the signaling mode from pulse to DTMF, allowing the user to access outside facilities that require DTMF signals such as banking services, voice mail, etc.

#### CONDITIONS

- In a Speed Dial, the \* will automatically insert a pause before dialing the remaining digits.
- This command is only recognized for analog pulse dial CO lines.
- Dial pulse to tone switchover is not available in the Redial features.
- For VoIP calls, pulse dialing is not available; switchover is not required or supported.

#### **OPERATION**

To switch from pulse to DTMF while on a pulse CO line:

Dial \* (signaling change to DTMF).

#### ADMIN PROGRAMMING

CO Line Data

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## CO Dialing Type (TRANS/PGM 160 - FLEX 10) ... see details on page A-45

TRANS/PGM 160	BTN	RANGE	DEFAULT
DIALING TYPE Signal type can be selected; DTMF, Pulse, R2MFC.	10	0: DTMF 1: PULSE 2: R2	DTMF

#### RELATED FEATURES

Speed Dial ... see page 3-146

# **Dialing Restrictions**

#### Class of Service

Dialing privileges can be assigned for each DN at a Station and CO line (up to 16 privileges). The Class of Service (COS) feature is applied in the following cases:

- When an internal station dials out through a CO line,
- When an external caller tries to make another external call using DISA or DID.

The dialing privileges are the result of the interaction of the Station and CO Class of Service (COS) assignments as shown in the following tables. Users placing an outgoing call or dialing after answering a call will be allowed the dialing privileges assigned.

Station/CO COS	Dialing Restriction
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 table are monitored for Allow and Deny numbers.

- Toll Tables Each Toll Table permits entry of 100 Allow codes and 100 Deny codes. Each code can contain up to 16 digits including digits 0-9.
- Toll Table process As digits are dialed, they are compared to entries in the appropriate Toll Table. Based on the Allow and Deny entries, the system applies the following rules to allow or deny the call.

Rule 1 – If a table has no entries, no restrictions are applied.

Rule 2 – If there are only Deny entries, restrictions are provided as Deny only.

Rule 3- 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.

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## **CONDITIONS**

- There are 16 different COS; Stations and CO Lines can each have a different COS according to the Station grade and CO Line type.
- Toll Exception can be programmed differently according to the Day/Night/Timed Mode.
- If COS is set to 0, the DN can make intercom calls only; CO line access is disabled.
- If COS is set to 1, the DN can make any call (no exception).

## **OPERATION**

## System

The assigned COS is applied automatically by the system.

#### ADMIN PROGRAMMING

#### Station

Station COS (TRANS/PGM 137) ... see details on page A-37

TRANS/PGM 137	BTN	RANGE	DEFAULT
DAY COS Station's COS in Day mode.	1	00-15	1
NIGHT COS Station's COS in Night mode.	2	00-15	1
TIMED COS Station's COS in Timed mode.	3	00-15	1

## CO/IP

# CO COS (TRANS/PGM 177) ... see details on page A-60

TRANS/PGM 177	BTN	RANGE	DEFAULT
DAY COS CO COS in Day mode.	1	00-15	0
DAY COS CO COS in Night mode.	2	00-15	0
DAY COS CO COS in Timed mode.	3	00-15	0

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Incoming CO Group Access, Outgoing CO Group, IC Call Transfer Directly (TRANS/PGM 179 - FLEX 5) ... see details on page A-60

TRANS/PGM 179	BTN	RANGE	DEFAULT
INCOMING CALL TRANSFER DIRECTLY if this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	5	0: Off 1: On	Off

#### CO Line Data

Toll Exception Table (TRANS/PGM 250) ... see details on page A-103

TRANS/PGM 250	BTN	RANGE	DEFAULT
ALLOW TABLE allow digits.	1	Max 16 digits	-
DENY TABLE deny digits.	2	Max 16 digits	-
TENANT Tenant groups to apply the table entry.	3	1-9 (MBX IP 300) 1-5 (MBX IP 100)	-

#### RELATED FEATURES

Temporary Station COS/Lock ... see page 3-68 Walking COS ... see page 3-71

## **Day/Timed & Night Station COS**

CO Line Toll Exception can be applied differently in Day/Night/Timed mode at each Station. The service mode is generally controlled by the Attendant group member, and based on the mode, appropriate dialing privileges are established.

#### CONDITION

- If COS is set to 0, only intercom calls can be placed; CO line access is disabled.
- If COS is set to 1, there are no restrictions.

#### **OPERATION**

## System

Dialing restrictions are automatically applied based on COS assignments:

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## **ADMIN PROGRAMMING**

#### Station Data

Station COS (TRANS/PGM 137) ... see details on page A-37

TRANS/PGM 137	BTN	RANGE	DEFAULT
DAY COS Station's COS in Day mode.	1	00-15	1
NIGHT COS Station's COS in Night mode.	2	00-15	1
TIMED COS Station's COS in Timed mode.	3	00-15	1

#### Table Data

System Time Table (TRANS/PGM 253) ... see details on page A-107

TRANS/PGM 253	BTN	RANGE	DEFAULT
TIME ZONE COMMENT defines the comment of the Time Table.	1	32 characters	none
SYSTEM TIME ZONE defines the Time Zone of the Time Table	2	0-73	0: Sys Time
DAYLIGHT SAVINGS defines Daylight Saving Time of Time Table.	3	On/Off	Off
RING MODE defines the ring mode of Time Table.	4	0: Day 1: Night 2: Timed	0:Day
AUTO RING MODE defines the Auto Ring mode of the Time Table.	5	On/Off	Off

Weekly Time Table (TRANS/PGM 254) ... see details on page A-108

TRANS/PGM 254	BTN	RANGE	DEFAULT
Monday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	1	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Tuesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	2	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

TRANS/PGM 254	BTN	RANGE	DEFAULT
Wednesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	3	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Thursday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	4	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Friday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	5	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Saturday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	6	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Sunday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	7	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

# Holiday Time Table (TRANS/PGM 256) ... see details on page A-110

TRANS/PGM 256	BTN	RANGE	DEFAULT
CALENDAR TYPE Defines Calendar Type for Holiday Table.	1	Lunar/Gregorian	Gregorian
HOLIDAY DATE Defines Holiday Date for Holiday Table.	2	MM/DD	None

## Toll Exception Table (TRANS/PGM 250) ... see details on page A-104

TRANS/PGM 250	BTN	RANGE	DEFAULT
ALLOW TABLE allow digits.	1	Max 16 digits	-
DENY TABLE deny digits.	2	Max 16 digits	-
TENANT Tenant groups to apply the table entry.	3	1-9 (MBX IP 300) 1-5 (MBX IP 100)	-

Chapter 3: System Features

#### RELATED FEATURES

```
Authorization Codes (Password) ... see page 3-5
Class of Service ... see page 3-63
Temporary Station COS/Lock ... see page 3-68
Walking COS ... see page 3-71
Auto Service Mode Control ... see page 3-10
Day/Night/Timed Ring Mode ... see page 7-37
```

## **Temporary Station COS/Lock**

A User or an Attendant can temporarily change the Station COS preventing unauthorized toll dialing from the station (ex., "locking the station"). When locked, the station will still be allowed to place internal calls and Emergency number calls.

#### CONDITIONS

The Station is restored to the Station COS as appropriate for the active service mode (Day, Night, or Timed).

#### **OPERATION**

#### Digital Phone

To activate Temporary COS:

- Press the [TRANS/PGM] button.
- 2. Dial 31, {Temporary COS code}.
- 3. Dial the applicable Authorization Code.
- Press the [HOLD/SAVE] button. To restore the assigned COS:

#### To restore the assigned COS:

- Press the [TRANS/PGM] button.
- Dial 32 {Restore COS code}.
- Dial the applicable Authorization Code.
- Press the [HOLD/SAVE] button.

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### Single Line Phone

## To activate Temporary COS:

- 1. Press the hook-switch.
- 2. Dial the {SLT Programming code}.
- Dial 31, {Temp COS code}.
- 4. Dial the applicable Authorization Code.
- 5. Press the hook-switch.

## To restore the assigned COS:

- 1. Press the hook-switch.
- Dial the {SLT Programming code}.
- Dial 32, {Restore COS code).
- 4. Dial Authorization Code.
- Press the hook-switch.

## System Attendant

## To activate Temporary COS:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 031, {Temp COS code}.
- 3. Enter the Station range.
- Press the [HOLD/SAVE] button.

## To restore the assigned COS:

- Press the [TRANS/PGM] button.
- 2. Dial 032, {Restore COS code}.
- 3. Enter the Station range.
- 4. Press the [HOLD/SAVE] button.

Chapter 3: System Features

## **ADMIN PROGRAMMING**

#### Station

Station COS (TRANS/PGM 137) ... see details on page A-37

TRANS/PGM 137	BTN	RANGE	DEFAULT
DAY COS Station's COS in Day mode.	1	00-15	1
NIGHT COS Station's COS in Night mode.	2	00-15	1
TIMED COS Station's COS in Timed mode.	3	00-15	1

## CO/IP

## CO COS (TRANS/PGM 177) ... see details on page A-60

TRANS/PGM 177	BTN	RANGE	DEFAULT
DAY COS CO COS in Day mode.	1	00-15	0
DAY COS CO COS in Night mode.	2	00-15	0
DAY COS CO COS in Timed mode.	3	00-15	0

## System

# Toll Exception Table (TRANS/PGM 250) ... see details on page A-104

TRANS/PGM 250	BTN	RANGE	DEFAULT
ALLOW TABLE allow digits.	1	Max 16 digits	-
DENY TABLE deny digits.	2	Max 16 digits	-
TENANT Tenant groups to apply the table entry.	3	1-9 (MBX IP 300) 1-5 (MBX IP 100)	-

Chapter 3: System Features

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## Walking COS

A User may temporarily override Toll Restriction at a Station to make Toll Calls from a normally Toll Restricted station. An Authorization Code is required in order to activate Walking COS.

#### CONDITIONS

- The Station COS applied for Walking COS is the COS of the station.
- Walking COS applies the temporary COS for only one call; terminating the call returns the station to the assigned Station COS. The user may reactivate Walking COS to place another call or press the Flash key (instead of hook-switch) at the end of previous call to maintain Walking COS.

#### **OPERATION**

#### **Digital Phone**

To activate Walking COS:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 33, {Walking COS code}.
- 3. Enter the Station number.
- 4. Dial the Station Authorization code (password).
- 5. Dial \* (end mark).
- 6. Place a call in the normal manner.

#### Single Line Phone

To activate Walking COS:

- 1. Dial the {SLT Programming code}.
- 2. Dial '33', the Walking COS code.
- 3. Enter the Station number.
- 4. Dial the Station Authorization code (password).
- Dial \* (end mark).
- 6. Place call as normal.

#### ADMIN PROGRAMMING

Station

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## Station COS (TRANS/PGM 137) ... see details on page A-37

TRANS/PGM 137	BTN	RANGE	DEFAULT
DAY COS Station's COS in Day mode.	1	00-15	1
NIGHT COS Station's COS in Night mode.	2	00-15	1
TIMED COS Station's COS in Timed mode.	3	00-15	1

### CO/IP

## CO COS (TRANS/PGM 177) ... see details on page A-60

TRANS/PGM 177	BTN	RANGE	DEFAULT
DAY COS CO COS in Day mode.	1	00-15	0
DAY COS CO COS in Night mode.	2	00-15	0
DAY COS CO COS in Timed mode.	3	00-15	0

## System

## Toll Exception Table (TRANS/PGM 250) ... see details on page A-104

TRANS/PGM 250	BTN	RANGE	DEFAULT
ALLOW TABLE allow digits.	1	Max 16 digits	-
DENY TABLE deny digits.	2	Max 16 digits	-
TENANT Tenant groups to apply the table entry.	3	1-9 (MBX IP 300) 1-5 (MBX IP 100)	

## **RELATED FEATURES**

Class of Service ... see page 3-63

Auto Service Mode Control ... see page 3-10

Day/Night/Timed Ring Mode ... see page 7-37

Authorization Codes (Password) ... see page 3-5

Chapter 3: System Features

# **Differential Ring**

Differential Ring provides one of 4 different audible Ring signals to be assigned to a Digital Phone, allowing users to determine which phone is ringing and the type of call (Intercom or CO/IP). When the phone receives an incoming call, the designated ring signal is provided over the speaker. Different selections are assigned for Intercom and CO/IP calls.

#### CONDITIONS

- Each DN and CO line can be set to have one of 9 digit conversion Tables.
- There are 300 entries for each digit conversion table.
- The Digit Conversion Table allows up to 16 digits to be programmed as 'dialed digit' and 'converted digit'.
- The following features have higher priority over digit conversion;
- AND (Automatic Network Dialing)
- Automatic CO seize
- In Call log, dialed digit is displayed on the station's LCD.

#### **OPERATION**

#### Digital Phone

To select the desired ring tone:

- Press the [TRANS/PGM] button.
- Dial 2 (Ring Selection).
- Dial 1 (Intercom) or 2 (CO/IP) ring.
- 4. Dial 1 (Ring Source).
- 5. Dial Ring Tone selection 1-4: Digit Phone 1-8: IP Phone
- 6. Ring Tone is presented.
- 7. Press the [HOLD/SAVE] button.

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#### ADMIN PROGRAMMING

#### Station

Differential Ring (TRANS/PGM 124 - FLEX 3-4) ... see details on page A-27

TRANS/PGM 124	BTN	RANGE	DEFAULT
ICM DIFF RING ID set the intercom differential ring ID – usually 1-4 is valid.	3	000-254	On
CO DIFF RING ID set the CO line differential ring ID – usually 1-4 is valid.	4	000-254	Off

# **Digit Conversion**

When a User dials digits, the dialed digits are converted according to the Digit Conversion Table before the Numbering Plan is checked. Digit conversion is performed on outside incoming CO calls, in addition to converting User dialed digits.

- Time Zone for Digit Conversion The pressed digits can be converted into a different digit stream according to the time zone: Always, Day/Night/Timed zone, and LCR Day/Time zone. There can be up to 9 conversion matrices in the LCR Day/Time zone, while 3 conversion rules are possible in the Day/Night/Timed zone. Digit conversion is performed only when there is a conversion rule that applies based on the specific time the digits are pressed.
- Dummy CO Dial Tone The CO line is seized following digit conversion Therefore, it is impossible to receive a CO dial tone when digit conversion is programmed. To remove any inconveniences of users, the system can be configured to provide a dummy CO dial tone after one of the dialed digits is pressed.
- Digit information Display Before or After Conversion Each Station can be programmed to display either the dialed digits or the digits after conversion. SMDR also can print either dialed digits or the digits after conversion.

#### CONDITIONS

- Each DN and CO line can be set to have one of 9 digit conversion Tables.
- There are 300 entries for each digit conversion table.
- The Digit Conversion Table allows up to 16 digits to be programmed as 'dialed digit' and 'converted digit'.
- The following features have higher priority over digit conversion: AND (Automatic Network Dialing) Automatic CO Seize

**Digit Conversion** 

Chapter 3: System Features

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- In Call log, dialed digit is displayed on the station's LCD.
- The Digit Conversion Table can be applied by Apply Option (All/Station/CO Line/Disable)

#### **OPERATION**

Digit Conversion is applied automatically according to ADM programming.

#### **ADMIN PROGRAMMING**

#### Station Data

Digit Conversion Table Index (TRANS/PGM 131 - FLEX 3) page A-104

TRANS/PGM 131	BTN	RANGE	DEFAULT
DIGIT CONVERSION TBL specify Digit conversion table for station.	3	1-9	1

## CO Data

Digit Conversion Table Index (TRANS/PGM 160 - FLEX 6) page A-104

TRANS/PGM 160	BTN	RANGE	DEFAULT
DGT CONVERT TBL Set Digit Conversion Table index.	6	1-9	2

#### Table Data

Digit Conversion Table (TRANS/PGM 251, TRANS/PGM 252) page A-104

TRANS/PGM 251	BTN	RANGE	DEFAULT
APPLY T-TYPE The Apply time type to be applied when the dialed digit is dialed.	1	0:Unconditional 1:Follow DNT 2: Follow LCR	Unconditional
DIALED DIGITS The dialed digits.	2	Max 16 digits	-
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'.	3	Max 16 digits	-
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'.	4	Max 16 digits	-

TRANS/PGM 251	BTN	RANGE	DEFAULT
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'	5	Max 16 digits	-
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'.	6	Max 16 digits	-
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'.	7	Max 16 digits	-
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'.	8	Max 16 digits	-
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'.	9	Max 16 digits	-
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'.	10	Max 16 digits	-
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'.	11	Max 16 digits	-
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'.	12	Max 16 digits	-
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'.	13	Max 16 digits	-
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'.	14	Max 16 digits	-
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'.	15	Max 16 digits	-
DNT TIME INDEX Day/Night/Timed Time Table Index.	16	1-9, none	none
LCR TIME INDEX LCR Time Table Index.	17	1-9, none	none

TRANS/PGM 251	BTN	RANGE	DEFAULT
NAME When DID destination starts to ring, the name is displayed on the ringing station's LCD.	18	Max 16 digits	-
APPLY OPTION The Apply Option can be applied according to the caller.	19	0:All 1:Station 2:CO Line 3:Diable	0:All

TRANS/PGM 252	BTN	RANGE	DEFAULT
DISPLAY CONV. DIGIT 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.	1	On/Off	Off
PRINT CONV. DIGIT If it is set to ON, the dialed digits are printed to the SMDR.	2	On/Off	Off

# Do Not Disturb (DND)

A Station enabled with the Do Not Disturb (DND) feature, can be placed in DND to block incoming ringing for CO/IP and Intercom calls, transfers, and paging announcements.

## CONDITIONS

- A station will receive an error tone if unable to access DND.
- If DND is enabled, pressing the [DND] button while ringing will activate One-Time DND.
- An Attendant may cancel DND for Stations on the System.
- DND service is available for use by Attendants.
- Recalls for CO/IP calls will override the DND feature.
- A station in DND is out-of-service for all incoming calls including Station Group calls.
- A station in DND is ignores calls forwarded to the station; if the last station in a Call Forward chain is in DND, the call will ring at the previous Station in the chain.
- When calling a Station in DND, the Digital Phone display will indicate the DND status.

Do Not Disturb (DND) 3-78

Chapter 3: System Features

#### **OPFRATION**

#### **Digital Phone**

To activate DND for a P-DN (Prime Directory Number):

Press the [DND] button; the [DND] button LED illuminates.

To remove DND for a P-DN (Prime Directory Number):

Press the [DND] button; the [DND] button LED extinguishes.

To activate DND for a S-DN (Sub Directory Number):

- 1. Press {S-DN} button.
- 2. Dial the {DND Feature Code}; the {S-DN} button LED illuminates.

To remove DND for a S-DN (Sub Directory Number):

- 1. Press {S-Line} button.
- 2. Dial the {DND Feature Code}; the {S-DN} button LED extinguishes.

#### Single Line Phone

To activate DND:

Dial the {DND feature code}; a confirmation tone is received.

To remove DND:

Dial the {DND feature code}; a confirmation tone is received.

#### ADMIN PROGRAMMING

#### Station Data

DND Access (TRANS/PGM 132 - FLEX 4) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
DND ACCESS enables DND to be activated by the station.	4	0:Disable 1:Enable	Enable

## System Data

LED Color/Flash (TRANS/PGM 234) ... see details on page A-95 to A-100

# **Door Open**

The hardware is equipped with a relay that activates an External Control Contact. The contact can be assigned to one of several functions including a Door Open Contact; the contact is connected to a door-lock release mechanism. When a Station receives the Door Bell signal, the Station User may dial the Door Open code to activate the contact.

#### CONDITIONS

- One relay contact is available.
- The contacts are rated at 1 amp, 24 VDC.

#### **OPERATION**

#### Digital Phone

To assign a {DOOR OPEN} button:

[TRANS/PGM] + {FLEX} + Button Feature Type (1) + {Door Open Feature Code} + [HOLD/SAVE]

To activate the relay contact:

- 1. Lift handset or press [SPEAKER] button.
- 2. Dial the {Door Open code}.
- Hang-up to return the phone to idle. OR
- 1. Lift the handset or press [SPEAKER].
- Press the programmed (DOOR OPEN) button.
- Hang-up to return the phone to idle.

#### ADMIN PROGRAMMING

#### Station Data

Door Open Access (TRANS/PGM 121 - FLEX 13) ... see details on page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
DOOR OPEN enable to use door open feature.	13	0:Disable	Disable
		1:Enable	

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Chapter 3: System Features

## System

External Contact Control (TRANS/PGM 228) ... see details on page A-87 Door Open Timer (TRANS/PGM 222 - FLEX 1) ... see details on page A-84

TRANS/PGM 222	BTN	RANGE	DEFAULT
DOOR OPEN TMR Sets the minimum contact closure time required to activate the contact assigned as a door open contact.	1	05-99 (100 msec)	20

## Numbering Data

Door Open Code (TRANS/PGM 113) ... see details on page A-20

BTN	FEATURE (113)	REMARK
82	Door Open	#*1

#### RELATED FEATURES

Loud Bell Control (LBC) ... see page 3-116

## **Door Phone**

An intercom box can be connected to the System and located in a convenient place at your facility for receiving page announcements and intercom calls. Additionally, the intercom box can signal assigned Stations using the Auto Dial feature in the System.

#### CONDITIONS

- An Intercom box can be a member of the Page Zone group.
- To receive Intercom box calls, set the Auto Dial Digit and Pause timers (TRANS/PGM 138).
- An Intercom box can be answered automatically using Hands free mode when in ICM Answer Mode (TRANS/PGM124)
- The Intercom box has the [CALL] button.

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Chapter 3: System Features

## **OPERATION**

To call an intercom box, perform the following Steps:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Dial the Station number of intercom box, or press the programmed flexible button for the Intercom box.
- 3. After answering the call from the Intercom box, announce the call.

To place a call from an intercom box:

Press the [CALL] button and assigned station will ring.

#### ADMIN PROGRAMMING

## System

Station Auto Dial Attribute (TRANS/PGM 138 - FLEX 1-2) ... see details on page A-38

TRANS/PGM 138	BTN	RANGE	DEFAULT
AUTO DIAL DGT Digits will be dialed automatically.	1	Max 16 digits	-
AUTO DIAL PAUSE TIME Auto dial pause time.	2	00-30	0

ICM Answer Mode (TRANS/PGM 123 - FLEX 5) ... see details on page A-26

TRANS/PGM 123	BTN	RANGE	DEFAULT
ICM ANSWER MODE selects Handsfree, Privacy or Tone ring ICM Signaling mode.	5	1: Handsfree 2: Tone 3: Privacy	Tone

## RELATED FEATURES

Door Open ... see page 3-79

# **Emergency Call/Emergency Alert**

Regardless of Station dialing restrictions (COS), the user may dial assigned Emergency numbers as needed.

#### CONDITIONS

- The CO Line Group Access Code and digits to be dialed should be assigned to the emergency changed digit.
- If the dialed number for the Emergency code is the same as the Numbering code including station in the system, the Emergency code has the preference.
- Assigning emergency code, the emergency code with same dialed digit previous assigned cannot be as assigned.
- In emergency code table, the field tenant may be leaved empty. This emergency code with empty tenant will be adapted to all stations of all tenants.

#### **OPERATION**

# System

The system will automatically override any toll restrictions and process an assigned Emergency number call.

## **Emergency Alert**

To Program an Emergency ALert button on a flex key:

Press the TRANS/PGM + button + 1 + code (563)

When a station places a 911 call, the button will light and an audible ring will be heard. The system will log the station date time the call was made. Press the flashing button to access the loa.

Use the softkeys to review/delete entries

#### ADMIN PROGRAMMING

#### Table Data

Emergency Code Table (TRANS/PGM 258) ... see details on page A-111

TRANS/PGM 258	BTN	RANGE	DEFAULT
DIALED DIGIT The dialed digits from user.	1	Max 16 digits	-

TRANS/PGM 258	BTN	RANGE	DEFAULT
CHANGED DIGIT CO Group Access Code and digits to be sent to PX when user dials the dialed digit.	2	Max 16 digits	-
TENANT NO The tenant number to be applied when user dials emergency code. If this field be left empty, this entry will be adapted to all tenants.	3	Empty, 1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

# **Executive/Secretary by DN (Directory Number)**

Executive/Secretary feature can be achieved by utilizing the DN (Directory Number) feature of the system (refer to DN).

For example, when a DN is set as MADN, calls for an Executive can be routed to that DN. The DN can be programmed on a flex button at the Executive station with a "no ring" option. At the Secretary station, the DN is stored on a flex button with an "immediate ring" option. In this case, the calls for the executive will ring the Secretary's station immediately. When the secretary answers the call, the call can be put on Hold. The secretary will be able to inform the executive that there's a held call on a button (requiring an additional button programmed for hands-free access to the Executive DN). When the secretary presses the button, it would be possible to tell the executive to answer the held call.

The Executive's DN button may have a "delayed ring" option instead of "no ring" option, the executive will hear the ring signal after programmed delay. Since two stations (executive and secretary) ring after delay time, either Executive or Secretary can receive the call. This setting helps when the Secretary is not at their desk temporarily.

#### CONDITIONS

- An Executive may have multiple Secretaries and a Secretary may have multiple Executives; each is considered a separate Executive/Secretary pair.
- If the Secretary is busy when a call is received for the Executive, the caller will receive a busy tone.
- If an Executive has multiple Secretaries, calls will automatically route to the Executive's first idle Secretary.
- The Executive may use Call Forward to send calls to stations other than the Secretary.

#### **OPFRATION**

To program Executive/Secretary Forward:

- 1. Assign a DN as MADN to be used as Executive's Secretary for calls.
- 2. Register a DN flex button at the Secretary Station and Executive Station.
- 3. Set the DN flex button Ring option as 'No Ring' or 'Delayed Ring' at the Executive Station.
- 4. Enable the 'Forced Hands free Access' option at the Executive and Secretary Stations.
- 5. Assign the Executive station flex button as telephone number {Forced Hands free code} + {Secretary Station number} for use when Executive intercom calls the Secretary.
- Assign Secretary station flex button as Telephone number (Forced Hands free code) + {Executive station number} to use when Secretary Intercom calls the Executive.

## ADMIN PROGRAMMING

## Numbering Plan

Forced Handsfree Code (TRANS/PGM 113) ... see page A-19

FEATURE (TRANS/PGM 113)	BTN	REMARK
Forced Handsfree Call	59	537

#### Station

Station Number Type (TRANS/PGM 130 - FLEX 1) ... see details on page A-31 Flex Button Assign (TRANS/PGM 126) ... see details on page A-29 DN Button Ring Option (TRANS/PGM 126 - FLEX 2) ... see details on page A-30 Forced Handsfree Access (TRANS/PGM 132 - FLEX 1) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
FORCED HANDFREE ACCESS 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.	1	0: Disable 1: Enable	Disable

# **Executive/Secretary by Exec/Sec Assignment**

Phones can be assigned as Executive/Secretary groups. By activating DND, the Executive also activates Unconditional Call Forward to the Secretary, which will forward Executive calls to the Secretary. With the "CO Call to Secretary" option enabled, all CO calls to the Executive forward to the Secretary regardless of the Executive's station status. In addition, if the Secretary is in DND (or, all Secretaries are DND), Executive calls sent to the Secretary route back to the Executive if the "Call Exec If First Sec in DND" or "Call Exec if All Sec in DND" option is enabled.

Each Executive access privilege can be assigned. If executive access is enabled, the call is routed to the executive directly.

If the "ICM Call to Secretary" option is enabled, all internal calls to the Executive (except for calls from the executive having executive access privilege) forward to the Secretary regardless of the Executive's station status.

Callers to an Executive can leave a Message Wait indication. The message waiting indication is given to the Executive or the first Secretary station assigned as the message wait destination.

## CONDITIONS

- An Executive can have up to 3 Secretaries.
- If the Secretary is busy when a call is received for the Executive, the caller will receive busy tone.
- If an Executive has multiple Secretaries, a Secretary can be selected by 'Secretary Choice' option. There are three options, 1) First Idle 2) Longest Idle.
- An Executive cannot be a Secretary to another Executive. And a Secretary cannot be an Executive to another Secretary.
- The Executive may use Call Forward to send calls to stations other than the Secretary.
- Message wait station can be the Executive or the first Secretary
- A Secretary can call his executive.
- If a Secretary (Station B) assigns unconditional call forward to another station (Station C), the forward destination station can make a call to the Executive (Station A).
- When calls are forwarded to subsequent stations (ex., Station C assigns call forward to Station D. E. or F), Executive Call Service is not supported.

#### OPFRATION

#### MBX IP Phone

To activate/deactivate Executive/Secretary forward from the Executive Phone Press the [DND] button to toggle Executive/Secretary Forward.

# **ADMIN PROGRAMMING**

## Station

DND Access (TRANS/PGM 132 - FLEX 4) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
DND ACCESS enables DND to be activated by the station.	4	0: Disable 1: Enable	Enable

# Station Group

Executive/Secretary Assign (TRANS/PGM 241) ... see details on page A-102

TRANS/PGM 241	BTN	RANGE	DEFAULT
EXECUTIVE NUMBER Assigns Executive station.	1	-	-
SECRETARY ASSIGN Assigns Secretary stations; enter secretary station range, or press FLEX 1-3 and enter station number to assign.	2	FLEX 1-3	-
ICM CALL TO EXEC 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'.	3	0:Secretary 1:Secretary if Executive in DND	0:Secretary
CO CALL TO EXEC 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'.	4	0:Secretary 1:Secretary if Executive in DND	0:Secretary
CALL EXECUTIVE 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'.	5	0-2	0

TRANS/PGM 241	BTN	RANGE	DEFAULT
SECRETARY CHOICE Determines order in which secretary stations will receive calls (First Idle/Longest Idle).	6	0-1	0
MSG WAIT STATION 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.	7	0:Executive 1:First Secretary	0

Executive/ Executive Access (TRANS/PGM 242) ... see details on page A-103

## HARDWARE

Digital Phone

# External Auto Attendant/Voice Mail

# AA/VM Group

The system provides support for an adjunct Auto Attendant/Voice Mail system via connection to SLT ports. When a call arrives for the External AA/VM Group, the system will search the group for an idle port and deliver the call.

Signaling information between the system and AA/VM system may be assigned for in-band DTMF signaling or the Simplified Message Desk Interface (SMDI) signaling protocol over the assigned system RS-232 port.

## CONDITIONS

- Selection of SMDI or in-band signaling can be selected in Admin Programming (refer to Admin Programming Manual).
- Only one AA/VM Group can be defined in the system; multiple definitions may cause erroneous system operation.

#### OPERATION

## System

The system will interface with the External AA/VM based on database assignments.

#### ADMIN PROGRAMMING

Station Groups

# VM Group Assignment (TRANS/PGM 200) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
GROUP TYPE this entry defines the type of station group.	1	0:Not Assign 1: Terminal 2: Circular 3: Ring 4: Longest Idle 5: Voice Mail	Not Assign
GROUP NAME this entry defines the name of a group.	2	Max 16 chars	-
TENANT NO this entry assigns a tenant of a station group.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE IDX Time Table index,	4	1-9	1
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable
MEMBER ASSIGN this entry assigns stations as members of a station group.	6	-	-

# VM Group Attribute (TRANS/PGM 203) ... see details on page A-69

TRANS/PGM 203	BTN	RANGE	DEFAULT
VM PUT MAIL INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Put Mail" dial code.	1	1-9	1
VM GET MAIL INDEXFor external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Get Mail" dial code.	2	1-9	2
VM BUSY INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Busy" dial code.	3	1-9	3
VM NO ANSWER INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "No answer" dial code.	4	1-9	4
VM DISCONNECT For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Disconnect" dial code.	5	1-9	9

TRANS/PGM 203	BTN	RANGE	DEFAULT
SMDI TYPE This entry defines SMDI Type.	6	0: Type 1 1: Type 2	Type 1
SMDI CLI INFO This entry defines SMDI CLI Information. If this is enable, system sends SMDI with CLI.	7	0: Off 1: On	Off

# Voice Mail Dialing Table (TRANS/PGM 269) ... see details on page A-116

TRANS/PGM 269	BTN	RANGE	DEFAULT
VOICE MAIL 1 Put Mail code sent when the voice mail is to receive call to record a message.	1	0: Prefix 1: Suffix Any digits	P#
VOICE MAIL 2 Get Mail code sent when the voice mail is to playback recorded messages.	2	0: Prefix 1: Suffix Any digits	P##
VOICE MAIL 3 Busy Mail code sent when the voice mail is to receive a call while the user is busy.	3	0: Prefix 1: Suffix Any digits	P#*3P
VOICE MAIL 4 DND Mail code sent when the voice mail is to receive a call while the user is in DND.	4	0: Prefix 1: Suffix Any digits	P#*4P
VOICE MAIL 5 No Answer Mail code sent when the voice mail is to receive a call when the user did not answer.	5	0: Prefix 1: Suffix Any digits	P#*5P
VOICE MAIL 6 Error Mail code sent when the voice mail is to receive a call when a dialing error exists.	6	0: Prefix 1: Suffix Any digits	P#*6P
VOICE MAIL 7	7	0: Prefix 1: Suffix Any digits	-
VOICE MAIL 8	8	0: Prefix 1: Suffix Any digits	-
VOICE MAIL 9 Disconnect Mail code sent when the voice mail is to disconnect a call.	9	0: Prefix 1: Suffix Any digits	****

#### RELATED FEATURES

In-band (DTMF) Signaling ... page 3-90 SMDI (Simplified Msg Desk Interface) ... page 3-93

#### HARDWARE

External AA/VM system

# In-band (DTMF) Signaling

The system may employ in-band signaling to communicate with an External AA/VM system. When a call is routed to the AA/VM SLT port, the system will send DTMF signals informing the AA/VM of the characteristics of the call. DTMF digit strings are assigned to various functions allowing the AA/VM to respond appropriately to the call. These definitions are entered in the "Voice Mail Dialing Table."

#### CONDITIONS

- Selection of SMDI or in-band signaling can be selected in Admin. Programming.
- Only one AA/VM Group can be defined in the system; multiple definitions may cause erroneous system operation.

## OPERATION

System

The system will interface with the External AA/VM based on database assignments:

## ADMIN PROGRAMMING

Station Groups

VM Group Assignment (TRANS/PGM 200) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
GROUP TYPE this entry defines the type of station group.	1	0:Not Assign 1: Terminal 2: Circular 3: Ring 4: Longest Idle 5: Voice Mail	Not Assign
GROUP NAME this entry defines the name of a group.	2	Max 16 chars	-

TRANS/PGM 200	BTN	RANGE	DEFAULT
TENANT NO this entry assigns a tenant of a station group.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE IDX Time Table index,	4	1-9	1
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable
MEMBER ASSIGN this entry assigns stations as members of a station group.	6	-	-

# VM Group Attribute Assignment (TRANS/PGM 203) ... see details on page A-69

TRANS/PGM 203	BTN	RANGE	DEFAULT
VM PUT MAIL INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Put Mail" dial code.	1	1-9	1
VM GET MAIL INDEXFor external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Get Mail" dial code.	2	1-9	2
VM BUSY INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Busy" dial code.	3	1-9	3
VM NO ANSWER INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "No answer" dial code.	4	1-9	4
VM DISCONNECT For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Disconnect" dial code.	5	1-9	9
SMDI TYPE This entry defines SMDI Type.	6	0: Type 1 1: Type 2	Type 1
SMDI CLI INFO This entry defines SMDI CLI Information. If this is enable, system sends SMDI with CLI.	7	0: Off 1: On	Off

Table Voice Mail Dialing Table (TRANS/PGM 269) ... see details on page A-116

TRANS/PGM 269	BTN	RANGE	DEFAULT
VOICE MAIL 1 Put Mail code sent when the voice mail is to receive call to record a message.	1	0: Prefix 1: Suffix Any digits	P#
VOICE MAIL 2 Get Mail code sent when the voice mail is to playback recorded messages.	2	0: Prefix 1: Suffix Any digits	P##
VOICE MAIL 3 Busy Mail code sent when the voice mail is to receive a call while the user is busy.	3	0: Prefix 1: Suffix Any digits	P#*3P
VOICE MAIL 4 DND Mail code sent when the voice mail is to receive a call while the user is in DND.	4	0: Prefix 1: Suffix Any digits	P#*4P
VOICE MAIL 5 No Answer Mail code sent when the voice mail is to receive a call when the user did not answer.	5	0: Prefix 1: Suffix Any digits	P#*5P
VOICE MAIL 6 Error Mail code sent when the voice mail is to receive a call when a dialing error exists.	6	0: Prefix 1: Suffix Any digits	P#*6P
VOICE MAIL 7	7	0: Prefix 1: Suffix Any digits	-
VOICE MAIL 8	8	0: Prefix 1: Suffix Any digits	-
VOICE MAIL 9 Disconnect Mail code sent when the voice mail is to disconnect a call.	9	0: Prefix 1: Suffix Any digits	****

## System

Voice Mail Interface Select (TRANS/PGM 223 - FLEX 3) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
VM SMDI ENABLE 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.	3	0: Off 1: On	0: Off

#### RELATED FEATURES

AA/VM Group SMDI (Simplified Msg Desk Interface) ... see details on page 3-87

## **HARDWARE**

External AA/VM system

# SMDI (Simplified Msg Desk Interface)

The system may employ SMDI protocol to communicate with an adjunct AA/VM system. When a call is routed to an AA/VM SLT port, the system will send SMDI messages over the assigned SMDI RS-232 port, informing the AA/VM of the characteristics of the call.

SMDI Protocol - There are three types of SMDI messages (listed below). Within each message is an "Action Code", which defines the function or required action of the AA/VM system. Fields within the messages also define the called/calling station and station status. The various message types and definition of the fields are shown in the chart below.

- Type I message: cr If MD ggg mmmm a xxxxxxxxx sp yyyyyyyy sp cr If^Y
- Type II message: cr If MD ggg mmmm a xxxxxxxxx sp sp cr If^Y
- Type III message: cr If MD ggg mmmm a sp yyyyyyyy sp cr If^Y

# Message Field Definitions

Field	Description	Values
cr	Carriage Return	
lf	Line Feed	
MD	Message Desk	
999	Message Desk Number, AA/VN system	Default=001
Mmm	Message Desk terminal	Range=0001-9999 VM port
Α	Action Code	
XXXX	Called Station Number or Station Calling the VM Group	
ууу	Calling Station Number	
Sp	ASCII Space Character	
^Y	End of SMDI Message	Control + Y (0x19)

The following table provides detailed information on the meaning and function of the various SMDI messages used.

# **SMDI Messages**

Action Code	Reason	Purpose	In-band Code	Message Type	SMDIMessage MD 001 0001
Α	Unconditional forward to VM	Put Mail	P#	II	A xxxxx yyyyy
В	Called Station busy	Busy Mail	P#3P	II	В ххххх ууууу
С	Disconnect, connected party	Disconnect	****	II	С ххххх ууууу
D	Direct Fwd to VM group	Get Mail	P##	II	D xxxxx yyyyy
E	Error, invalid number	Error	P#*5P	II	Е ххххх ууууу
Н	Two-way Record	Record	None	II	Н ххххх ууууу
I	DND	DND	P#*6P	II	l xxxxx yyyyy
N	No Answer	No Answer	P#*4P	II	N xxxxx yyyyy
R	Direct CO/IP ring to VM group	AA	None	III	R xxxxx yyyyy

## **CONDITIONS**

- Selection of SMDI or in-band signaling can be modified using Admin. Programming (refer to Admin. Programming Manual).
- Only one AA/VM Group can be defined in the system; multiple definitions may cause erroneous system operation.
- The calling number will display with SMDI CLI INFO attribute (TRANS/PGM203 -FLEX 7).

## **OPERATION**

## System

The system will interface with the External AA/VM based on database assignments:

## **ADMIN PROGRAMMING**

## Station Groups

VM Group Assignment (TRANS/PGM 200) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
GROUP TYPE this entry defines the type of station group.	1	0:Not Assign 1: Terminal 2: Circular 3: Ring 4: Longest Idle 5: Voice Mail	Not Assign
GROUP NAME this entry defines the name of a group.	2	Max 16 chars	-
TENANT NO this entry assigns a tenant of a station group.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE IDX Time Table index,	4	1-9	1
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable
MEMBER ASSIGN this entry assigns stations as members of a station group.	6	-	-

# VM Group Attribute Assignment (TRANS/PGM 203) ... see details on page A-69

TRANS/PGM 203	BTN	RANGE	DEFAULT
VM PUT MAIL INDEX for external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Put Mail" dial code.	1	1-9	1
VM GET MAIL INDEX for external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Get Mail" dial code.	2	1-9	2
VM BUSY INDEX for external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Busy" dial code.	3	1-9	3
VM NO ANSWER INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "No answer" dial code.	4	1-9	4
VM DISCONNECT for external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Disconnect" dial code.	5	1-9	9
SMDI TYPE this entry defines SMDI Type.	6	0: Type 1 1: Type 2	Type 1
SMDI CLI INFO this entry defines SMDI CLI Information. If this is enable, system sends SMDI with CLI.	7	0: Off 1: On	Off

## System

Voice Mail Interface Select (TRANS/PGM 223 - FLEX 3) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
VM SMDI ENABLE 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.	3	0: Off 1: On	0: Off

## **RELATED FEATURES**

AA/VM Group ... see page 3-87

In-band (DTMF) Signaling ... see page 3-90

VMIB Integrated Auto Attd/Voice Mail ... see page 3-258

## **HARDWARE**

External AA/VM system

# Flexible Numbering Plan

User access to System resources and features is accomplished using Feature codes or Flexible buttons. The Administrator can select from one of seven different standard Numbering Plans, and if desired, can assign codes for individual functions in the Flexible Numbering Plan. The feature codes are defined in the System's Flexible Numbering Plan (refer to Appendix B).

## CONDITIONS

- The System can support up to 8-digit numbering for Station numbers or Feature
- To assign a Numbering Plan code, it should be matched (type) with a Prefix Numbering Plan consisting of a prefix and additional digits.
- The selected Prefix Numbering Plan cannot conflict (ex., if a prefix consists of 1 digit and 4 additional digits, then there cannot be another prefix of 10 digits with 4 additional digits.
- The additional digits of a Prefix Numbering Plan cannot be more than 4.
- When a Prefix Numbering Plan consists of more than 4 digits, the preceding digits of the prefix code are placed at more than 4 digits from end digit (called Master Prefix Digits, can be up to 3 in the MBX IP-100 system and 5 in MBX IP-300 system).
- When a conflicting Prefix is identified, the existing non-conflicting Numbering Plan is used until correctly updated.
- If Numbering Plan type 7 is selected, all numbering codes are deleted; the first user should assign the Prefix Numbering plan. After configuring the prefix, the user can assign Station Number, CO Group Access Code, Extra Numbering and Feature code (for use when user wants to reconfigure all numbering codes).

#### OPERATION

## System

The System implements Feature activation based on the selected Flexible Numbering Plan.

#### ADMIN PROGRAMMING

Numbering Plan

Numbering Plan (TRANS/PGM 110) ... see details on page A-15

# Prefix Numbering Plan (TRANS/PGM 111) ... see details on page A-16

TRANS/PGM 111	BTN	RANGE	REMARK
PREFIX CODE leading preceding digits of some numbering plan code.	1	1-8 digits	Prefix code length + more digit can be 8 at max.
MORE DIGITS number of digits following the Prefix code.	2	(0-4)	

# Flexible Station Number (TRANS/PGM 112) ... see details on page A-16

TRANS/PGM 112	BTN	RANGE	REMARK
STATION NUMBER (edit by range)	1	Start station number & End station number	Delete all station numbers and update entered station number range only.
SINGLE STATION NUMBER (edit)	2	One station number	Bin 001-324 (MBX IP 300), bin 001-128 (MBX IP 100): 1 number per one station port (My-DNs for each stations).  Bin 325-648 (MBX IP 300), bin 129-256 (MBX IP 100): Free station numbers for MADN type or extra SADN type numbers (Sub-DNs).

# Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17 CO Group Access Code (TRANS/PGM 114) ... see details on page A-21

TRANS/PGM 114	BTN	RANGE	REMARK
CO GRP ACCESS CODE (Edit By Range)	1	Start CO Grp Access Code & End CO Grp Access Code	-
CO GRP ACCESS CODE (Edit)	2	CO Grp Access Code	-

# Station Group Number (TRANS/PGM 115) ... see details on page A-22

TRANS/PGM 115	BTN	RANGE	REMARK
STATION GROUP RANGE (Edit by Range)	1	Start Station Group Number & End Station Group Number	-
STATION GROUP NUMBER (Edit)	2	Station Group Number	-

Green Power Save

Chapter 3: System Features

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# **Green Power Save**

The system can disable the power of a Digital Phone or SLT (Single Line Telephone) installed in the DTIB/SLIB/DSIU at night or during holiday mode. The power On/Off can be controlled by Web Admin manually or automatically according to the assigned power On/Off time.

#### CONDITIONS

- SLT (Single Line Telephone) is supported on DSIU, while Digital Phone is not supported.
- If phone power is disabled, calls cannot be placed and received.
- In the event of system reset, power is enabled.

#### **OPERATION**

System -- Operation of this feature is either automatic (when programmed) or by Web Admin.

#### ADMIN PROGRAMMING

## System

Green Power Save Time ... use Web Admin
Green Power Save Enable ... use Web Admin

# **Headset Compatibility**

An industry standard headset can be connected to a Digital Phone in place of or in addition to the handset. The Station must be set for Headset operation.

In Headset mode, pressing the [SPEAKER] button will send audio to the Headset instead of the speakerphone. Additionally when in the Headset mode, ring signals can be delivered to the speaker or the headset as defined in the System database.

#### CONDITIONS

- The Intercom Signaling Mode can be set in the Headset mode as with the Speakerphone mode.
- Although the phone is in the Headset mode, the system will monitor hook-switch status; if the user lifts the handset to go off-hook, audio automatically is delivered to the handset.

Headset Compatibility

Chapter 3: System Features

## **OPERATION**

#### **Digital Phone**

To change operation from Speakerphone to Headset:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 61 {Headset select code}.
- 3. Dial the appropriate selection:
  - 0: Headset
  - 1: Speakerphone
  - 2: Ear-Microphone
- 4. Press the [HOLD/SAVE] button.

To change the device to receive ring signals:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 62 {Ring select code}.
- 3. Dial the appropriate selection:
  - 1: Speakerphone
  - 2: Headset
  - 3: Both.
- 4. Press the [HOLD/SAVE] button.

To place/answer calls using the headset:

Press the [SPEAKER] with the phone in Headset mode.

#### ADMIN PROGRAMMING

## Station

Speaker/Headset Ring Mode (TRANS/PGM 121 - FLEX 3) ... see page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
HEADSET RING in Headset mode, this item selects device to receive incoming ring signals Speaker, Headset or Both.	3	0: Speaker 1: Headset 2: Both	Speaker

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## Speakerphone/Headset (TRANS/PGM 121 - FLEX 2) ... see page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
HEADSET MODE selects Speakerphone mode, Headset mode or Ear Mic Mode.	2	0:Speaker 1:Headset 2:E-MIC	Speaker

#### RELATED FEATURES

Speakerphone ... see page 6-19 Paging ... see page 4-15

# Hold

The user can place a CO/IP line or Station on Hold during a phone conversation.

## CONDITIONS

- After placing call on Hold, the station returns to an idle state and the user can make another call.
- If the Station is in the off-hook state when making a call on hold, the dial tone is heard.

## **OPERATION**

## **Digital Phone**

To place an active CO Call on Hold:

Press the [HOLD] button.

To retrieve the Held CO Call:

Press the {CO} OR {LOOP-KEY} button associated with the held CO, and then the CO call is connected again. (If you are just using a DN button, press HOLD again to return to the call you placed on hold.)

## Single Line Phone

To place an active CO Call on Hold:

- 1. Press the Hook-switch during a conversation.
- 2. Dial {System Hold Code}; a confirmation tone is heard.
- 3. Place the handset.

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Chapter 3: System Features

To retrieve the Held CO call:

Lift the handset; the Station is connected with the held party.

#### ADMIN PROGRAMMING

Numbering Plan

Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17

## Hold Recall

When a user places a CO/IP call on hold, a hold timer is activated. If the timer expires, the held call will recall at the station for the duration of the I-Hold Recall timer. If the call remains unanswered at timer expiration, the Attendant will then receive recall for the Attendant Recall timer. If still unanswered after timer expiration, the CO/IP call is disconnected and the circuits in use are returned to idle.

#### CONDITIONS

- Separate Timers are assigned for the various types of hold: System, Transfer, etc.
- Hold Timer can be assigned by Tone time in the Tone Table.
- The route destination after a Hold recall ring is programmed in Incoming/Outgoing CO Alternate. The following destinations can be assigned:
  - Disconnect
  - Attendant
  - CO Ring Assign
  - Alternative Ring Table
  - Tone
  - Pilot Hunt
  - Transfer Station (Transfer Call Only)

## **OPERATION**

Hold Recall operation is automatic.

# **ADMIN PROGRAMMING**

## CO Line Data

# Incoming CO Alternate (TRANS/PGM 169) ... see page A-53

TRANS/PGM 169	BTN	RANGE	DEFAULT	
Incoming CO Alternataive DAY	1	F1: Busy F2: No Answer F3: Invalid F4: Transfer No Answer F5: Recall No Answer	•	Disconnect 1 sec
NIGHT	2		Disconnect 1 sec	
TIMED	3	F6: DND F7: Out Of Service F8: Error 1: Disconnect 2: Attendant 3: CO Ring 4: Alt Ring Table 5: Tone 6: Pilot HuntGroup	Disconnect 1 sec	

# Outgoing CO Alternate (TRANS/PGM 173) ... see page A-57

TRANS/PGM 173	BTN	RANGE	DEFAULT
DAY ALT DEST Abnormal case can be selected as error type.	-	F1: Recall No Answer F2:Transfer No Answer F3: No Answer	-
NO ANSWER DISCONNECT The CO call is disconnected. Every destination is set to 'Disconnect' by default.	1	-	-
NO ANSWER ATTENDANT The CO call is routed to Attendant.	2	-	-
NO ANSWER CO RING ASSIGN The CO call is routed according to Ring Assign Table. (see TRANS/PGM 167)	3	-	-
NO ANSWER ALT RING TBL 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 TRANS/PGM 181)	4	01-80	-

TRANS/PGM 173	BTN	RANGE	DEFAULT
NO ANSWER TONE If destination is set to Tone, the Error / Busy tone is heard.	5	-	-
NO ANSWER PILOT HUNT GROUP The CO call is routed to Pilot Hunt Group of the original destination.	6	-	-
NO ANSWER RING The call is routed to the same destination again.	7	-	-
NO ANSWERThe CO call is routed to the transferred station again. Only possible for 'Transfer No Answer' case.	8	-	-

#### Table Data

CO Hold Tone Timer ... see page A-137 use Web Admin (TRANS/PGM 290 - FLEX 55)

#### RELATED FEATURES

Call Transfer ... see page 3-30 CO/IP ... see page 3-37

## Automatic Hold

While on an active CO/IP call, the system will place the call on hold automatically. The station can be programmed to support CO/IP to CO/IP Automatic Hold. In this case, pressing a CO/IP button while on a CO/IP call will place the active call on hold and access the selected CO/IP line.

#### CONDITIONS

- CO/IP lines placed on hold with Automatic Hold are placed in the assigned Hold
- Hold Timer can be assigned by Tone time in the Tone Table.
- There is no limit on the number of calls that can be placed on hold using Automatic Hold.

#### OPERATION

## Digital

To use Automatic Hold:

Press {CO} OR {LOOP-KEY} button, while on an active Station or CO/IP call; the call is placed on Hold.

# **ADMIN PROGRAMMING**

## Station Data

Automatic Hold Access (TRANS/PGM 123 - FLEX 3) I ... see page A-26

TRANS/PGM 123	BTN	RANGE	DEFAULT
PRIME NUMBER BTN 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.	1	01-48	01
ZONE NO this menu represents a station belonging to what zone.	2	1-9	1
AUTO HOLD 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.	3	0: Off 1: On	Off
ENBLOCK DIAL 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.	4	0: Off 1: On	Off
ICM ANSWER MODE selects Handsfree, Privacy or Tone ring ICM Signaling mode.	5	1: Handsfree 2: Tone 3: Privacy	Tone
DATA SECURITY disables override and camp-on tones to the station to avoid occurring error when sending data.	6	0: Off 1: On	Off
PROGRESS INDICATOR if this value is set to ON, Progress Indicator Information is included to Setup message (Origin is non-ISDN).	7	0: Off 1: On	Off
FAX MODE if this value is set to ON, Bearer Capability information with 3.1Khz is provided to PX.	8	0: Off 1: On	Off
DTMF WHEN REDIAL if this value is set to ON, DTMF tone is heard to the station user while redial. (Reserved) .	9	0: Off 1: On	On
MUTE RING SERVICE if this value is set to MUTE RING, system provides MUTE RING to user.	10	0: Mute Ring 1: No Ring	Mute Ring
AUTO IDLE SERVICE If this value is set to AUTO, system provides Auto Idle service.	11	0: Auto 1: Manual	Auto

#### RELATED FEATURES

Hold Recall ... see page 3-102

# Hot Desk

Digital Phones can be assigned as Hot Desk (Dummy Terminal) phones allowing Users (Agents) to login to the System. The Hot Desk will become active and will take on the attributes defined for the Agent's Station number. When the Agent logs off, the Hot Desk phone becomes inactive and the Agent's calls can be forwarded to the User-entered destination. A different Agent may then login using the inactive Hot Desk phone.

## CONDITIONS

- The Hot Desk station can be programmed to log-out automatically if no action has occurred by the Agent for the duration of the Hot Desk Log-out timer.
- An active (logged in) Agent can login to another inactive Hot Desk phone, however this will log-off Agent activity from the previous Hot Desk location.
- An Agent may only logout from an activated Hot Desk phone.
- The Flex button map of the Hot Desk station is fixed and will not take on the configuration associated with the Agent's station.
- The number of Hot Desk phones is limited by the physical station port number, Hot Desk users are limited by the additional station number of the System capacity.
- Each Hot Desk phone and Hot Desk user (Agent) requires a separate station number(DN) in the system.
- When a Dummy Terminal seizes a SADN-type number (Sub-DN), the Hot Desk feature cannot be supported.
- If an agent logs out without registering call forward destination, {Attendant} feature code is automatically registered so that calls to off-duty agents are directed to attendant.

## **OPERATION**

To program a Hot Desk phone:

- 1. In Admin. Programming, assign digital phone as Hot Desk (Dummy Terminal).
- Assign the DN number type as SADN Hot Desk Agent; the Hot Desk Agent Number option will automatically be set to ON.
- Assign a password for the Hot Desk agent station (if needed).

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To login to the System through an inactive Hot Desk Station:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Dial the {Hot Desk Feature Code}.
- 3. Dial the Agent's Station number and password.
- 4. Dial \* or press [HOLD/SAVE] button; the agent will be logged in.

## To logout through the active Hot Desk:

- 1. Dial the {Hot Desk Feature Code}.
- 2. Dial the call forward destination for Agent calls (Dial '#' to delete existing a call forward destination)
- 3. Dial \* or press [HOLD/SAVE] button; the Hot Desk Station will return to inactive.

#### ADMIN PROGRAMMING

## Numbering Plan

Hot Desk Feature Code (TRANS/PGM 113) ... see page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
47	Hot Desk Log In/Log Out	525

## Station

Dummy Terminal (TRANS/PGM 121 - FLEX 8) ... see details on page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
DUMMY TERMINAL 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'.	8	0: Off 1: On	Off

Station Number Type (TRANS/PGM 130 - FLEX 1) ... see details on page A-31 Station Password (TRANS/PGM 131 - FLEX 4) ... see details on page A-32

TRANS/PGM 131	BTN	RANGE	DEFAULT
PASSWORD restricts CO Call Duration to station.	4	0-12 digits	-

# Hot Desk Agent Number (TRANS/PGM 131 - FLEX 8) ... see details on page A-32

TRANS/PGM 131	BTN	RANGE	DEFAULT
HOTDESK AGENT NUMBER sets wake-up time.	8	0: Off	Off
		1: On	

## System Timer

Hot Desk Logout Timer (TRANS/PGM 220 - FLEX 2) ... see details on page A-83

TRANS/PGM 220	BTN	RANGE	DEFAULT
HOT-DESK LOGOUT TMR Determines the amount of time the attendant receives recall after which the system will disconnect the call.	2	00-24 hrs	00

#### RELATED FEATURES

Call Forward ... see page 3-15

#### **HARDWARE**

Digital Phone

# In-Room Indication

When an Executive is in the office, their Secretary can press the programmed LED In-Room Indication button signaling other stations of the Executive's status.

#### CONDITIONS

Set other Station's MADN Flex button Access Option to Disabled (Incoming only) to make the secretary station the only station able to control the DN state.

#### OPERATION

To program In-Room Indication:

- 1. Using Admin. Programming, set a MADN-type DN number to be used as an In-Room Indication button.
- Enter (DND Status Change code) to register auto-dialing digits for the DN.
- Assign a flex button for the DN at the Secretary station and to other Stations needing to know the Executive's status.

IP Trans-coding 3-109

Chapter 3: System Features

To Active or Deactivate In-Room Indication:

Press the {DN} button; the DND status of the DN will toggle and the LED signal will be changed at the same time.

#### ADMIN PROGRAMMING

Numbering Plan

DND Status Change Code (TRANS/PGM 113) ... see details on page A-18

BTN	FEATURE (TRANS/PGM 113)	REMARK
21	DND Status Change	516

## Station

Station Number Type (TRANS/PGM 130 - FLEX 1) ... see details on page A-31 Flex Button Assign (TRANS/PGM 126) ... see details on page A-29

Station Auto Dial Attributes (TRANS/PGM 138) ... see details on page A-38

TRANS/PGM 138	BTN	RANGE	DEFAULT
AUTO DIAL DGT Digits will be dialed automatically.	1	Max 16 digits	-
AUTO DIAL PAUSE TIME Auto dial pause time.	2	00-30	0

# **IP Trans-coding**

The system employs either the IEEE g.711, g.729 or g.723 codec to digitize and compress voice signals for RTP packets between devices. IP Phone or terminals on DTIM/SLTM incorporate DSP functions to support codec conversion. Available VOIBs include DSP circuitry used to support trans-coding (converting) codecs for incoming VoIP calls to devices.

The VOIBs will trans-code the incoming voice codec (g.711, g.723, g.729) to the System codec and reverse the process for outgoing packets. When the external VoIP connection can only support g.729 and the system codec is g.723, the DSP must implement a complex trans-coding operation, which requires 2 DSP channels. In all other cases, trans-coding only requires a single channel per call.

#### CONDITIONS

- The system codec for the VOIB can be changed anytime within an IP call.
- The VOIB DSP can generate and detect in-band DTMF and Call Progress tones in support of DISA functionality.
- For complex trans-coding (g.723/g.729), the VOIB DSP will require 2 channels.

## **OPERATION**

System

IP Trans-coding is automatic.

#### HARDWARF

VOIB8 or VOIB24

# Last Number Redial (LNR)

The last number dialed is stored (up to 32 digits) in the station's Last Number Redial (LNR) buffer. The user may request the system redial the last dialed number without the need to dial the number.

Digital Phone users can display stored LNR numbers on the phone LCD using the [REDIAL] or [SPEED] button and [VOL UP]/[VOL DOWN] buttons, to select the number to dial from the list and place a call.

#### CONDITIONS

- For Digital Phones with LCD display, the LNR redial buffer will store duplicate numbers unless dialed consecutively.
- When the CO/IP line used for the original call is busy, the System will select an idle line from the same CO/IP line Group to place the call.
- Using LNR will cancel Automatic Called Number Redial if active.
- The LNR is stored in volatile memory, so it is not protected in case of a power failure
- Manually dialing a Flash during an outgoing call will cause only those digits dialed after the Flash to be stored in the LNR buffer.
- LNR applies to both CO and VoIP calls.

#### **OPFRATION**

## Digital Phone

To use LNR using [REDIAL] button:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Press the [REDIAL] button.
- Press the [VOL UP]/[VOL DOWN] button to highlight the desired number.
- 4. Press [HOLD/SAVE] or [REDIAL] to dial the number highlighted.

# To use LNR with [SPEED] button:

- 1. Lift the handset or press the [SPEED] button.
- 2. Dial \*.

# Single Line Phone

To use LNR:

- 1. Lift the handset.
- 2. Dial the {Last Number Redial code}.

#### ADMIN PROGRAMMING

#### Tenant Data

Redial Method (TRANS/PGM 281 - FLEX 6) ... see details on page A-130

TRANS/PGM 281	BTN	RANGE	DEFAULT
CODEC TYPE System Codec type.	6	1: G711 2: G723 3: G729 4: G722	1: G711

## **RELATED FEATURES**

Saved Number Redial (SNR) ... see page 6-18

Station Speed Dial ... see page 3-147

System Speed Dial ... see page 3-150

# **Least Cost Routing (LCR)**

The LCR feature is supported using digit-conversion; the rule can be set differently according to the Day/Night/Timed mode or LCR Time. If digit conversion is enabled, the System will seize the CO/IP line after digit-conversion is completed. Meanwhile, the Dummy Dial tone can be provided if programmed.

## CONDITIONS

The digit conversion apply rule is applied to bin base of digit conversion table.

## **OPERATION**

Digits are converted automatically based on the Digit Conversion table.

## **ADMIN PROGRAMMING**

## Table Data

Digit Conversion Table (TRANS/PGM 251) ... see details on page A-104

TRANS/PGM 251	BTN	RANGE	DEFAULT
APPLY T-TYPE The Apply time type to be applied when the dialed digit is dialed.	1	0:Unconditional 1:Follow DNT 2: Follow LCR	Unconditional
DIALED DIGITS The dialed digits.	2	Max 16 digits	-
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'.	3	Max 16 digits	-
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'.	4	Max 16 digits	-
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'	5	Max 16 digits	-
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'.	6	Max 16 digits	-
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'.	7	Max 16 digits	-

TRANS/PGM 251	BTN	RANGE	DEFAULT
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'.	8	Max 16 digits	-
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'.	9	Max 16 digits	-
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'.	10	Max 16 digits	-
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'.	11	Max 16 digits	-
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'.	12	Max 16 digits	-
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'.	13	Max 16 digits	-
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'.	14	Max 16 digits	-
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'.	15	Max 16 digits	-
DNT TIME INDEX Day/Night/Timed Time Table Index.	16	1-9, none	none
LCR TIME INDEX LCR Time Table Index.	17	1-9, none	none
NAME When DID destination starts to ring, the name is displayed on the ringing station's LCD.	18	Max 16 digits	-
APPLY OPTION The Apply Option can be applied according to the caller.	19	0: All 1: Station 2: CO Line 3: Diable	0:All

## Digit Conversion option (TRANS/PGM 252) ... see details on page A-106

TRANS/PGM 252	BTN	RANGE	DEFAULT
DISPLAY CONV. DIGIT 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.	1	On/Off	Off
PRINT CONV. DIGIT If it is set to ON, the dialed digits are printed to the SMDR.	2	On/Off	Off

# LCR Time Table (TRANS/PGM 255) ... see details on page A-109

TRANS/PGM 255	BTN	RANGE	DEFAULT
DAY ZN 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).	1	FLEX 1-7 + 1-3	Zone 1: All days of the week
DAY ZONE 1 This entry defines the time zone of day zone 1 when Day Zone 1 is active.	2	00-24	00-24
DAY ZONE 2 This entry defines the time zone of day zone 2 when Day Zone 2 is active.	3	00-24	-
DAY ZONE 3 This entry defines the time zone of day zone 3 when Day Zone 3 is active.	4	00-24	-

## RELATED FEATURES

Digit Conversion ... see page 3-74

CO/IP Access ... see page 3-37

Station Flexible Buttons ... see page 6-21

# **Linked Station Pairs/Group**

One MADN can be assigned to 10 stations at max so 10 stations can make a linked group, not only paired. If all of the stations set the DN to their Prime-DN, all of 10 stations act like the same station. If one of the stations uses the number, other stations cannot use the same number. Only different Sub-DN can be used at the same time.

# **CONDITIONS**

If a member of MADN presses the [DND] button while ringing, only the member station's ringing is stopped.

## **OPERATION**

This is automatically supported by the system database.

## ADMIN PROGRAMMING

Station

Prime Number Button (TRANS/PGM 123 - FLEX 1) ... see details on page A-26

TRANS/PGM 123	BTN	RANGE	DEFAULT
PRIME NUMBER BTN 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.	1	01-48	01

Flex Button Assign (TRANS/PGM 126) ... see details on page A-29 Station Number Type (TRANS/PGM 130 - FLEX 1) ... see details on page A-31

## **RELATED FEATURES**

Intercom Caller ... see page 4-2

Controlled ICM Signaling ... see page 6-19

# Loud Bell Control (LBC)

The hardware is equipped with a relay that activates an External Control Contact. The contact is assigned to one of several functions including a Loud Bell Control. If used as a Loud Bell Control, the contact will activate when:

- External Page is accessed
- Assigned Station receives a call (LBC)

#### CONDITIONS

- A Single-Assign Directory Number (SADN) can be assigned for the LBC feature.
- A SIP Station cannot be assigned for LBC feature.
- One relay contact is available (rated at 1 amp, 24 VDC), shown in Table 2.2.4-1.
- When assigned to activate as LBC, CO Incoming ring and Intercom calls to the assigned station will activate the contacts.
- Dummy Station for Hot Desk cannot be used as LBC Station.

#### **OPERATION**

## System

When set, relay Operation is automatic.

## ADMIN PROGRAMMING

# System

External Contact Control (TRANS/PGM 228) ... see details on page A-87

## RELATED FEATURES

Door Open ... see page 3-79

## HARDWARE

External Control Contact connected to an external loud bell.

Chapter 3: System Features

## Mobile Extension

A mobile phone may be registered to a station allowing the mobile phone to place and receive calls through the system. DID calls are sent to the user's Phone and the active registered mobile phone simultaneously.

Mobile phone users can access the facilities of the system to place internal and external calls as well as activate/access features. To access system facilities and resources, the mobile user calls the DID number of the corresponding Phone. When the call is received, the system matches the CLI to the mobile phone and provides the mobile user with a system dial tone.

One station can have up to 2 external numbers for their mobile extension. If a mobile extension is being used, the station is in busy state, and the LED is flash steady ON.

#### CONDITIONS

- When the mobile phone places an external call through the system, the CLI of the corresponding station is used.
- The Mobile Extension features are supported via system digital lines only.
- Message Wait and Callback cannot be activated for use with a mobile phone.
- The Mobile Extension feature is not supported over a distributed network environment.
- When an incoming ISDN DID call is received, the system will access an ISDN line and place a call to the mobile phone; an ISDN line must be available for the system to notify the mobile user of the incoming call.
- Hold and Transfer Recalls to the mobile phone are sent to mobile phone and Mobile Extension and Mobile phone simultaneously.
- Station Group calls can be routed to the active Mobile Extension.

#### OPERATION

#### **Digital Phone**

To activate a registered mobile extension from the user's station:

- Press the [TRANS/PGM] button.
- Dial 51 {Mobile Extension code}
- Dial mobile phone index (1 or 2).
- Dial digit '1' to activate, '0' to deactivate.
- Press the [HOLD/SAVE] button.

Mobile Extension 3-118

Chapter 3: System Features

To register a mobile phone number:

- Press the [TRANS/PGM] button.
- 2. Dial 52 (Mobile Extension Registration code).
- 3. Dial mobile phone index (1 or 2).
- 4. Dial the mobile phone number with CO access code.
- Press the [HOLD/SAVE] button.

To place a call from the mobile extension using the system:

- Dial the DID number of the station, the system will check the CLI information, answer the call and the user will receive intercom dial tone.
- Place internal or external call as normal.

To Transfer a call from the mobile extension using the system:

- 1. Dial {Mobile Flash code}.
- 2. Dial the desired extension, the call is transferred and the mobile phone returns to idle. NOTE: The mobile phone may reconnect by dialing the {Mobile Flash Code}.

#### <u>System</u>

Incoming DID calls are sent to active mobile phones automatically.

#### ADMIN PROGRAMMING

#### System Data

Mobile Attributes (TRANS/PGM 236) ... see details on page A-100

TRANS/PGM 236	BTN	RANGE	DEFAULT
FLASH DIGIT The flash digit from mobile extension.	1	Max 2 digits	*
INPUT TIMER The inter-digit timer of the mobile flash digit (2 sec).	1	01-20 (seconds)	05

#### Station Data

Mobile Extension Access (TRANS/PGM 132 - FLEX 6) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
MOBILE EXT ACCESS enables mobile extension ability.	6	0: Disable 1: Enable	Enable

## Mobile Extension Number Attributes (TRANS/PGM 146) ... see details on page A-42

TRANS/PGM 146	BTN	RANGE	DEFAULT
MOBILE EXT 1 ENABLE Enables mobile extension ability.	1	0: Off 1: On	Off
MOBILE EXT 1 NUMBER Mobile extension number.	2	Max 24 digits	-
MOBILE EXT 1 CLI Mobile extension CLI number.	3	Max 24 digits	-
MOBILE EXT 2 ENABLE Enables Second mobile extension ability.	4	0: Off 1: On	Off
MOBILE EXT 2 NUMBER Second Mobile extension number.	5	Max 24 digits	-
MOBILE EXT 2 CLI Second Mobile extension CLI number.	6	Max 24 digits	-
MOBILE SERVICE MODE Select Mobile Service Mode.	7	0: All Call 1: Service CLI Only	All Call
MOBILE SERVICE CLI 1 CLI 1 for Mobile Service.	8	Max 24 digits	-
MOBILE SERVICE CLI 2 CLI 2for Mobile Service.	9	Max 24 digits	-
MOBILE SERVICE CLI 3 CLI 3for Mobile Service.	10	Max 24 digits	-
MOBILE SERVICE CLI 4 CLI 4for Mobile Service.	11	Max 24 digits	-
MOBILE SERVICE CLI 5 CLI 5for Mobile Service.	12	Max 24 digits	-

### RELATED FEATURES

Do Not Disturb (DND) ... see page 3-77

Station Message Wait/Call Back ... see page 4-11

Attendant Recall ... see page 7-29

Distributed Control Network ... see page 3-202

# Multiple Language Selection

With the VMIB, the system can support three (3) languages simultaneously. Prompts in the desired languages are loaded into the VMIB memory along with the Language Selection prompts. To assure the proper language is employed, the Language Selection prompt is played when an incoming call is assigned to be answered by a DID, DISA, Auto Attendant or Station Hunt group announcement. The Language Selection announcement is played in multiple phrases, one in each of the equipped languages, with a request for the caller to input a digit to select the appropriate language. The system then employs the defined announcement (DID, DISA, etc.) recorded for the selected language.

#### CONDITIONS

- Multi-language support is available with the VMIB/AAIB.
- Separate announcements must be recorded by the Attendant for each language supported.
- Multi-language announcement must be stored in announcement table (TRANS/PGM 259) first. And then the announcement index can be programmed in other announcement entries for multiple language support.

#### OPFRATION

## System

System automatically plays the Language Selection announcement and plays prompts in the selected language.

To record a VMIB Multi-Language Selection announcement at the Attendant:

- Press the ITRANS/PGMI button.
- 2. Dial 062 {Record VM Announcement code}.
- Dial the VMIB Slot number.
- Dial the VMIB Multi Language selection Announcement number (01-70).
- Dial the Language Type number (1-3).
- 6. Press the '#' kev.
- 7. After the beep-tone, record the desired message.
- 8. Press the [HOLD/SAVE] button to stop recording and save the message.

Chapter 3: System Features

### ADMIN PROGRAMMING

#### Station Data

Station VMIB Prompt Language Index (TRANS/PGM 145) ... see details on page A-40

TRANS/PGM 145	BTN	RANGE	DEFAULT
PROMPT LANGUAGE INDEX Selected language type prompt is played to the user when accessing the VMIB.	2	1-3	1

#### CO Data

CO VMIB Prompt Language Index (TRANS/PGM 161 - FLEX 8) ... see details on page A-46

TRANS/PGM 161	BTN	RANGE	DEFAULT
PROMPT LANGUAGE VMIB Prompt Index.	8	1-3	1

### Table Data

Announcement Table (TRANS/PGM 259) ... see details on page A-111

TRANS/PGM 259	BTN	RANGE	DEFAULT
The VMIB slot & Prompt No. to be used for playing the VMIB Announcement No.	1-4	VMIB Slot (00-18) & Prompt No (01-70)	-
CCR Index used for playing the VMIB Announcement No.	5	1-100	-

#### **RELATED FEATURES**

VMIB Integrated Auto Attd/Voice Mail ... see page 3-258

#### **HARDWARE**

**VMIB** 

# Multiple Voice Mailbox Support

A station can access any Voice Mailbox by dialing the {VMIB Access} code, the mailbox number and password. Phone users may assign one or more Flex buttons to access a specific mailbox.

#### OPERATION

#### **Digital Phone**

For Multiple Mailbox Access

- Change the station that you want tobe able tolog in as to a MADN (TRANS/PGM 130). EXAMPLE: 100 from SADN normal to MADN.
- Give the station that needs access a MADN button for the station (TRANS/PGM 130). EXAMPLE: Add 101 to 100 list and assign to Flex Button 5.
- 3. In Flexible Button Programming for the station that needs access, program a 523 and the station you want MWI for TRANS/PGM 126.
  - EXAMPLE: Station 101 flex buttons change button 4 to a Dial Number with a value of 523100.
- 4. Now when a message is left in 100, station 101 button 4 flashes to indicate a new message.
- 5. To login to mailbox 100 from 101, press Button 5 (DN for 100) and the call back button. You are prompted for the mailbox password.
- 6. Enter the password for mailbox 100 followed by the # sign.

### To assign a {VMAILBOX} Flex button:

[TRANS/PGM] + {FLEX} + Button Feature Type (1) + {VMIB Access} Code + Mailbox (station) number + [HOLD/SAVE]

To access a Voice Mailbox using the {VMAILBOX} Flex button:

- 1. Lift the handset or press the [SPEAKER].
- 2. Press the {VMAILBOX} Flex button.
- Dial the Mailbox password.

#### RELATED FEATURES

VMIB Voice Mail ... see page 3-261

### **HARDWARE**

Phone / VMIB

# Music-On-Hold (MOH)

When a call is placed on Hold, the System will deliver audio from the defined MOH source. In this way, the connected user can determine that the connection is still active.

The system has connections for one music source. The MOH can be either an internal or external source connected to either of the MOH inputs.

Additionally, a message recorded in the VMIB can be employed as MOH along with Background Music (BGM). The Attendant records the VMIB announcement for MOH and VMIB MOH is assigned as the MOH source. Separate messages can be recorded for each of the 3 languages supported by the system.

#### CONDITIONS

- There are 5 kinds of MOH:
  - 1 Normal Tone
  - 2 Prompt
  - 3 Announcement
  - 4 VMIB MOH
  - 5 SLT MOH
- MOH can be activated by programming the Hold Tone for MOH within the Tone Table.
- Plugging-in the BGM RCA jack on the front panel of the MPB and the BGM input on the rear panel RJ-11 jack are common; however, the external music source should only be connected to one of the inputs.

Chapter 3: System Features

#### **OPFRATION**

System -- When set, Operation of MOH is automatic:

To record a VMIB announcement for MOH:

- Press the [TRANS/PGM] button.
- 2. Dial the {VMIB Record Feature Code}.
- 3. Dial the VMIB Slot number.
- 4. Dial the VMIB Multi-Language selection Announcement number.
- 5. Dial the Language Type number, only required with multi-language support; the current announcement is played followed by the "Press # to record" prompt.
- 6. Press the '#' key.
- 7. After the beep-tone, record the desired message.
- 8. Press the [HOLD/SAVE] button to stop recording and save the message.

### **ADMIN PROGRAMMING**

Table Data

Tone Table ... use Web Admin (TRANS/PGM 290 - FLEX 49-61)

System Data

## Music Source (TRANS/PGM 229) ... see details on page A-88

	TRANS/PGM 229	BTN	RANGE	DEFAULT
This	ICM BOX MUSIC CH assigns the music source for ICM BOX.  feature is not available at a feature is not available.	this time	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
	INT MOH TYPE assigns the music for internal MOH.  VMIB MOH assigns the VMIB Prompt index of VMIB SIGNS for VMIB MOH X.  SLT MOH assigns the SLT ports for SLT MOH.	this time	00: Romance 01: Turkish March 02: Green Sleeves 03: Fur Elise 04: Carmem 05: Waltz 06: Pavane 07: Sichiliano	-
	VMIB MOH assign the VMIB Prompt index of VMIB Slotts for VMIB MOH X.	3-6 for MPB300 (3-5 for MPB100)	12: Blue Dance 01-70	-
This	SLT MOH assigns the SLT ports for SLT MOH.	7-11 for MPB300 (6-10 for MPB100)	-	-

## **RELATED FEATURES**

Hold ... see page 3-101

Multiple Language Support ... see page 3-120

Chapter 3: System Features

#### HARDWARF

External Music source is connected to MPB music source input.

# **Network Management System (***Future Feature***)**

The Network Management System (NMS) is a Web-based application for monitoring and managing multiple systems using standard Simple Network Management Protocol (SNMP).

NMS is an efficient and convenient tool employing standards based protocols and a Web-based architecture to permit Administrators remote access to systems using any common Web browser.

NMS monitors the multiple systems displaying real-time detailed status information for the system devices and channels.

NMS maintains a log of alarm and fault events defined by the administrator and can alert administrators of potential service-affecting faults. In addition, call statistics are maintained and can be reported with various tables and graphs.

#### CONDITIONS

NMS is subject to the conditions outlined in the NMS Manual.

#### OPERATION

Once configured, the operation of NMS is automatic. Administrative operations are covered in the NMS Manual.

### ADMIN PROGRAMMING

#### System

SNMP Attributes ... use Web Admin

#### RELATED FEATURES

Diagnostic/Maintenance ... see page 3-60

# **Network Security & Priority**

The System supports several security and priority protocols. Characteristics that can be established are:

- IEEE 802.1p/Q, VLAN sets Virtual LAN tag and priority for Ethernet frame
- Diffserv sets Diffserv Code Point priority for IP packet
- IPSec enables IPSec to establish IPSec tunnel and encryption of IP packet
- SRTP enables Secure RTP for RTP packet payload using AES (Advanced Encryption Service).

#### CONDITIONS

- For Web Admin, the password is encrypted using the Java Virtual Encryption plug-in. A Java Virtual Machine (MS or Sun) must be installed in the User's PC to support password encryption.
- Security and priority characteristics can be set for all devices, local or remote.
- The implementation of IPSec employs a proprietary Key exchange protocol from the MP to the System device.

#### **OPERATION**

## System

Once configured, Operation of Security and Priority is automatic.

#### ADMIN PROGRAMMING

### System Data

Web Password Encryption (TRANS/PGM 223 - FLEX 1) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
WEB ADM PSWD ENCRYPTION 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.	1	0: Off 1: On	0:Off

One Digit Service 3-128

Chapter 3: System Features

# **One Digit Service**

When a User calls a Station and receives a Busy signal, the User can access the following features by dialing one digit:

- Camp-on
- Call Wait
- Voice Over
- Intrusion
- Pilot Hunt Call

## Camp-On

Camp-On is used to notify a Busy Station that a call is waiting to be answered. The busy station is notified of the waiting call by a Camp-On tone. The camp-on station is placed in the Hold state while waiting.

#### CONDITIONS

- The user may only Camp-On to a station in the busy mode; a user may not Camp-On to a station in DND, conference, or receiving a Page, etc.
- A Camp-On tone is sent each time the calling user presses the {Camp-On} button.

#### **OPERATION**

### Digital Phone/Single Line Phone

To activate a Camp-On while receiving an Intercom busy tone:

Press the {Camp-On} button, both the called and calling stations will receive Camp-On tone.

#### ADMIN PROGRAMMING

System Data

Camp-On Access (TRANS/PGM 133 - FLEX 8) ... see details on page A-33

TRANS/PGM 133	BTN	RANGE	DEFAULT
CAMP ON ACCESS enable camp-on feature.	8	0:Disable 1:Enable	Enable

One Digit Service 3-129

Chapter 3: System Features

### Tenant Data

Intercom Busy One-Digit Attributes (TRANS/PGM 237 - FLEX 1) ... see details on page A-101

TRANS/PGM 237	BTN	RANGE	DEFAULT
INTERCOM BUSY ONE-DIGIT SERVICE determines if step call is enabled or disabled.	1	0:Disable 1:Enable	Disable

#### Call Wait

Call Wait is used to notify a busy station that a call is waiting to be answered. The busy station is notified of the waiting call by a Call Wait tone. For Digital Phone users, the [HOLD] button LED will flash. The called station can respond by either:

- Answering the waiting call (which places the active call on Hold first),
- Activating One-Time DND
- Ignoring the Camp-On tone.

#### CONDITIONS

- The user may only Call Wait to a station in the busy mode; a user may not Call Wait at a station in DND, conference, or receiving a Page, etc.
- A Call Wait tone is sent each time the calling user presses the programmed (Call Wait) button.

#### OPERATION

### Digital Phone

To activate a Call Wait while receiving Intercom busy tone:

Press the {Call Wait} button, called and calling stations will receive the Call Wait tone.

To answer a Call Wait after receiving the Call Wait indication:

Press the [HOLD] button; the first active call is placed on hold and the station is connected with the Call Waiting station.

## Digital Phone/Single Line Phone

To activate a Call Wait while receiving Intercom busy tone:

Press the {Call Wait} button, called and calling stations will receive the Call Wait tone.

One Digit Service 3-130

Chapter 3: System Features

To answer a Call Wait after receiving the Call Wait indication:

Press the hook-switch; the first active call is placed on Hold, and the station is connected with the Call Waiting station.

### ADMIN PROGRAMMING

## System Data

Call Wait Access (TRANS/PGM 133 - FLEX 7) ... see details on page A-33

TRANS/PGM 133	BTN	RANGE	DEFAULT
CALL WAIT ACCESS enable to leave a call wait when a called station does not answer or in DND state.	7	0:Disable 1:Enable	Enable

### Tenant Data

Intercom Busy One-Digit Attributes (TRANS/PGM 237) ... see details on page A-101

TRANS/PGM 237	BTN	RANGE	DEFAULT
STEP CALL determines if Step Call is enabled or disabled.	1	0:Disable 1:Enable	Disable
DIGIT 1 when accessing a busy tone, User may dial for one of the one-touch services.	2	0: N/A 1: Call-Back 2: Camp On	0: N/A
DIGIT 2	3		
DIGIT 3	4		
DIGIT 4	5		
DIGIT 5	6		
DIGIT 6	7	3: Call Wait 4: Voice Over	
DIGIT 7	8	5: Intrusion	
DIGIT 8	9	6: Hunt	
DIGIT 9	10		
DIGIT 0	11		
DIGIT *	12		Call Wait
DIGIT#	13		Voice-Over

Outcall Notification 3-131

Chapter 3: System Features

### RELATED FEATURES

Do Not Disturb (DND) ... see page 3-77 Intercom Call (ICM Call) ... see page 4-2 Voice Over ... see page 6-32

## **Outcall Notification**

This feature provides a way to notify the arrival of voicemail messages to the specified telephone number. If the user enables the notification of mailbox and programs a phone number including CO access code, the system will give a call by dialing the programmed number and allows access to voice mail after checking the user's password. If the user does not answer the call, the system quits the call. Also by programming, the notification can be retried after the time interval and retry count settings have been changed.

#### CONDITIONS

- Analog CO lines cannot be used for this feature since there is no explicit signal when the call is answered.
- Only CO party can receive the notification call. So, the notification phone number should start with a CO access code.

#### **OPERATION**

#### **Digital Phone**

To enable/disable outcall notification:

- 1. Press the [TRANS] + 7 3 or dial the {Outcall Notification} feature code.
- Dial 1 to enable or 0 to disable.
- 3. Press the [HOLD/SAVE] button.
- 4. 4. Return to idle after hearing a service set tone.

To set a value for outcall notification attempts:

- 1. Press the [TRANS] + 7 4 or dial the {Outcall Attempts} feature code.
- Dial one-digit number of attempts (1-9).
- Press the [HOLD/SAVE] button.
- Return to idle after hearing service set tone.

Outcall Notification 3-132

Chapter 3: System Features

#### To set a value for outcall notification interval for a retrial case:

- Press the ITRANSI button + 7 5 or dial the {Outcall Interval} feature code.
- 2. Dial two-digit minute information (01-60).
- Press the [HOLD/SAVE] button.
- Return to idle after hearing service set tone.

## To set a phone number for outcall notification:

- Press the [TRANS] button + 7 6 or dial the {Outcall Phone Number} feature code.
- Dial the phone number including CO access code (Max 24).
- Press the [HOLD/SAVE] button.
- Return to idle after hearing service set tone.

#### Single Line Phone

### To enable/disable outcall notification:

- 1. Dial the {Outcall Notification} feature code.
- 2. Dial 1 to enable or 0 to disable.
- Press the hook-switch to save.
- Replace the handset, return to idle.

### To set a value for outcall notification attempts:

- 1. Dial the {Outcall Attempts} feature code.
- Dial one-digit number of attempts (1-9).
- Press the hook-switch to save.
- Replace the handset, return to idle.

#### To set a value for outcall notification interval for a retrial case:

- 1. Dial the {Outcall Interval} feature code.
- Dial two-digit minute information (01-60).
- 3. Press the hook-switch to save.
- Replace the handset, return to idle.

### To set a phone number for outcall notification:

- 1. Dial the {Outcall Phone Number} feature code.
- Dial the phone number including CO access code (Max 24).
- Press the hook-switch to save.
- Replace the handset, return to idle.



Chapter 3: System Features

#### **Called Party**

To retrieve voice messages after receiving notification call:

- 1. When the called party answers the notification call, the system will announce the prompt similar to the followint: "This is the voice mail system. There is a message for [recorded name] or [mailbox number (xxxxxxxxx)]."
- 2. And then "Enter your password followed by pound" prompt will be heard.
- 3. If the called party enters the station number, its password + '#', the system will check the validity of the password entered.
- 4. If the verification is successful, the called party will hear the main menu of voice mail and can access its own voice mail. After that, all the mailbox features will be available.
- 5. The System will retry 3 times before disconnecting the call.

#### ADMIN PROGRAMMING

## Numbering

Feature Numbering Plan (TRANS/PGM 113) ... see page 3-97

#### Station Data

TRANS/PGM 145	BTN	RANGE	DEFAULT
OUTCALL NOTIFICATION enables or disables the outcall notification feature.  If you are using outcall notification on analog trunks, this field MUST be set to ON.	21	0:Off 1:On	Off
OUTCALL ATTEMPTS the number of attempts to try to reach the outcall number.	22	1-9	-
OUTCALL INTERVAL the interval time in between attempts.	23	01-60 mins	-
OUTCALL PHONE NUMBER the phone number to dial. Outcall destination.	24	Up to 24 digits	-

#### **HARDWARE**

AAFU and/or VMIB

# **Pre-defined & Custom Text Display Messages**

When not available, a user can pre-select a text message to be shown on the LCD of an incoming caller's Digital Phone display. When a user activates Text Display Messages, incoming intercom calls will signal the user with normal ringing, and the LCD of the calling station will display the selected message. There are ten Pre-defined messages (01-10), ten System-wide Custom messages and one User-defined Custom message. Several of the ten Pre-defined messages allow for auxiliary information such as a time, date or number.

System-level Custom Messages may be entered from the Attendant or Administrator's phone or via the Web Admin. The User's Custom Message can be assigned from their own Station phone as well as at the Attendant or the Administrator.

Digital Phone users may assign a Flex button as a {Preselected Message TRANS/PGM} button.

The Pre-defined messages are:

Message Number	Display	Comment
01	LUNCH RETURN AT hh:mm	hh:mm can be set with return time
02	ON VACATION RETURN AT DATE mm:dd	mm:dd can be set with return date
03	OUT OF OFFICE RETURN AT TIME hh:mm	hh:mm can be set with return time
04	OUT OF OFFICE RETURN AT DATE mm:dd	mm:dd can be set with return date
05	OUT OF OFFICE RETURN UNKNOWN	
06	CALL (enter up to 24 digits)	Can be set with destination to call.
07	IN OFFICE STA xxxx	xxxx is set with station number
08	IN MEETING RETURN AT TIME hh:mm	hh:mm can be set with return time
09	AT HOME	
10	AT BRANCH OFFICE	

#### CONDITIONS

- Alphanumeric characters are displayed as they are entered.
- Display Message is cancelled if the User activates DND or Call Forward.
- Custom Text Display Messages and Display Message status are stored in non-volatile memory to protect against loss during power failure.
- Incoming Caller Station will display the message.
- SLTs are notified of an active Display Message with a stutter dial tone, while Digital Phones will have a flashing [DND] button when there is an active Text Display Message.
- Activating a Text Display Message does not affect normal operation of the station.
- Pre-defined Messages 01-04, and 06-08 permit the user to input auxiliary information such as time, date or number, as applicable.
- The Attendant station can activate a Text Display Message for other stations, however this feature is not available to an Attendant.

#### OPFRATION

#### Digital Phone

To assign a Flex button for Display Messages:

PRESS [TRANS/PGM] + {FLEX} + Button Feature Type(1) + {Preselected Message TRANS/PGM Code} + [HOLD/SAVE].

To activate a Display Message that will be presented to incoming callers:

- 1. Press the [TRANS/PGM] button.
- Dial 41 (Display Message code).
- 3. To scroll through the available messages, press [VOL UP]/[VOL DOWN] button.
- 4. Dial the Message number (0-9, or \* for User's Custom Message).
- 5. Enter auxiliary input (hh:mm, mm:dd, etc. as needed).
- Press the [HOLD/SAVE] button.

### To cancel an active Display Message:

- 1. Press the flashing [DND] button. OR
- 2. Press the [TRANS/PGM] button.
- 3. Dial 41 (Display Message code).
- Press the # key.
- 5. Press the [HOLD/SAVE] button.

## To define the User Custom Text Message (\*):

- 1. Press the [TRANS/PGM] button.
- 2. Dial 42 (Custom Message program code).
- 3. Enter the Message contents (up to 16 characters, refer to Alphanumeric Entry Chart on page C-105).
- 4. Press the [HOLD/SAVE] button; confirmation tone is heard and the new User Custom Text Display Message is stored.

NOTE: Alphanumeric characters may be entered using the following guides as shown in the Quick Reference chapter on page C-105.

## Single Line Phone

To activate a Display Message:

- 1. Lift the handset.
- 2. Dial (SLT Programming code).
- Dial 41 (Display Message code).
- 4. Dial the Message number (0-9, or \* for User's Custom Message).
- 5. Enter auxiliary input (hh:mm, mm:dd, etc. as needed).
- 6. Press the hook-switch; confirmation tone is heard.

## To cancel an active Display Message:

- Lift the handset.
- Dial (SLT Feature Cancel code).

## To enter the User Custom Message (\*):

- Lift the handset.
- 2. Dial {SLT Programming code}.
- Dial 41 (Display Message code).
- 4. Enter the Message contents (up to 16 characters, refer to Alphanumeric Entry Chart on page C-105).
- 5. Press the hook-switch, confirmation tone is received.

#### System Attendant

To activate Display Messages for other stations:

- Press the [TRANS/PGM] button.
- 2. Dial 051 (Attendant Display Message code).
- Dial the desired Station range.
- To scroll through the available messages, press [VOL UP]/[VOL DOWN] button.
- 5. Dial the Message number (0-9, or \* for User's Custom Message).
- 6. Dial auxiliary input (hh:mm, mm:dd, etc. as needed).
- Press the [HOLD/SAVE] button.

To cancel active Display Messages for other stations:

- 1. Press the [TRANS/PGM] button.
- Dial 052 (Attendant Display Message Cancel code).
- Dial the desired Station range.
- Press the [HOLD/SAVE] button.

#### RELATED FEATURES

```
Do Not Disturb (DND) ... see page 3-77
Call Forward ... see page 3-15
Speed Dial ... see page 3-146
```

#### HARDWARF

Digital Phone required receiving Display Messages

# **Registering IP Devices & Fractional Module Tables**

## **Registration with MAC Address**

Using the defined MAC address registration, the system allows IP Phones, DTIM and SLTM devices with matching MAC addresses to register regardless of the Database Protection Switch (DPS) position.

#### **OPERATION**

Registration is automatic.

## **ADMIN PROGRAMMING**

## System Info

IP Phone/Phontage Registration Table (TRANS/PGM 106) ... see details on page A-12

TRANS/PGM 106	BTN	RANGE	REMARK
MAC ADDRESS Used to register an IP Phone to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-105,)	1	-	-
USER ID Used to register a Phonatge to the System, by entering its User ID and Password.	2	-	-
USER PASSWORD Used to register a Phonatge to the System, by entering its User ID and Password.	3	-	-
STA NUMBER (VIEW) Once a connection is made to the System, the current Station number will be displayed.	4	-	-
IP ADDRESS (VIEW) Displays the IP Address of the IP phone/Phontage.	5	-	-
F/W IP ADDRESS (VIEW) Displays the Firewall IP Address of the IP phone/Phontage.	6	-	-
RTP SECURITY Enable RTP Security.	7	-	-

## DTIM/SLTM Registration Table (TRANS/PGM 107) ... see details on page A-13

TRANS/PGM 107	BTN	RANGE	REMARK
MAC ADDRESS Used to register a DTIM to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-105.)	1	-	-
STA RANGE (VIEW) Once a connection is made to the System, the Station number assigned to DTIM/SLTM will be displayed.	2	-	-
IP ADDRESS Displays the IP Address of the IP phone/Phontage.	3	-	-
F/W IP ADDRESS Displays the Firewall IP Address of the IP phone/Phontage.	4	-	-
RTP SECURITY Enable RTP Security.	5	-	-

## Logical Slot Assignment (TRANS/PGM 104 - FLEX 2) ... see details on page A-12

TRANS/PGM 104	BTN	RANGE	REMARK
MAX NO. OF IP PHONE that can be registered to the System.	2	-	32

Slot Assignment & Logical Slot Assignment (TRANS/PGM 101, TRANS/PGM 103) ... see details on page A-11 and page A-11

TRANS/PGM 101	BTN	RANGE	REMARK
SLOT ASSIGNMENT refer to "Board Type Code" table below.	1	-	-
SLOT 02 enter device (port) number.	2	-	-

TRANS/PGM 103	BTN	RANGE	REMARK
CO LINE BOARD	1	-	-
STATION BOARD	2	88 (SIP Phone) 99 (IP Phone or Phontage)	-
VMIB BOARD	3	-	-

# Registration with ID/Password

The System can be programmed to register a Phontage or SIP Phone using an ID & Password. Devices with matching ID & Password can be registered regardless of the Database Protection Switch position.

#### **OPERATION**

Registration is automatic.

#### ADMIN PROGRAMMING

System Info

## IP Phone/Phontage Registration Table (TRANS/PGM 106) ... see details on page A-12

TRANS/PGM 106	BTN	RANGE	REMARK
MAC ADDRESS Used to register an IP Phone to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-105,)	1	-	-
USER ID Used to register a Phonatge to the System, by entering its User ID and Password.	2	-	-
USER PASSWORD Used to register a Phonatge to the System, by entering its User ID and Password.	3	-	-
STA NUMBER (VIEW) Once a connection is made to the System, the current Station number will be displayed.	4	-	-
IP ADDRESS (VIEW) Displays the IP Address of the IP phone/Phontage.	5	-	-
F/W IP ADDRESS (VIEW) Displays the Firewall IP Address of the IP phone/Phontage.	6	-	-
RTP SECURITY Enable RTP Security.	7	-	-

## DTIM/SLTM Registration Table (TRANS/PGM 107) ... see details on page A-13

TRANS/PGM 107	BTN	RANGE	REMARK
MAC ADDRESS Used to register a DTIM to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-105.)	1	-	-
STA RANGE (VIEW) Once a connection is made to the System, the Station number assigned to DTIM/SLTM will be displayed.	2	-	-
IP ADDRESS Displays the IP Address of the IP phone/Phontage.	3	-	-
F/W IP ADDRESS Displays the Firewall IP Address of the IP phone/Phontage.	4	-	-
RTP SECURITY Enable RTP Security.	5	-	-

## Logical Slot Assignment (TRANS/PGM 104 - FLEX 2) ... see details on page A-12

TRANS/PGM 104	BTN	RANGE	REMARK
MAX NO. OF IP PHONE that can be registered to the System.	2	-	32

Chapter 3: System Features

Slot Assignment & Logical Slot Assignment (TRANS/PGM 101, TRANS/PGM 103) ... see details on page A-11 and page A-11

TRANS/PGM 101	BTN	RANGE	REMARK
SLOT ASSIGNMENT refer to "Board Type Code" table below.	1	-	-
SLOT 02 enter device (port) number.	2	-	-

TRANS/PGM 103	BTN	RANGE	REMARK
CO LINE BOARD	1	-	-
STATION BOARD	2	88 (SIP Phone) 99 (IP Phone or Phontage)	-
VMIB BOARD	3	-	-

## **Registration with Station Number**

System allows IP Phone registration if the IP Phone Station number matches the Station number designated regardless of the Database Protection Switch position.

#### CONDITIONS

By default, the IP Phone Registration by STA Number is ON.

#### **OPERATION**

Registration is automatic.

### **ADMIN PROGRAMMING**

### System Info

Logical Slot Assignment (TRANS/PGM 104 - FLEX 2) ... see details on page A-12

TRANS/PGM 104	BTN	RANGE	REMARK
MAX NO. OF IP PHONE that can be registered to the System.	2	-	32

## IP Address Plan (TRANS/PGM 101) ... see details on page A-11

TRANS/PGM 101	BTN	RANGE	REMARK
SLOT ASSIGNMENT refer to "Board Type Code" table below.	1	-	-
SLOT 02 enter device (port) number.	2	-	-

## Slot Assignment (TRANS/PGM 103) ... see details on page A-11

TRANS/PGM 103	BTN	RANGE	REMARK
CO LINE BOARD	1	-	-
STATION BOARD	2	88 (SIP Phone) 99 (IP Phone or Phontage)	-
VMIB BOARD	3	-	-

## System Attribute (TRANS/PGM 223) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
WEB ADM PSWD ENCRYPTION 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.	1	0: Off 1: On	0: Off
PULSE DIAL BREAK RATIO The break/make ratio for pulse dialing through analog CO line.	2	0: 60/40 1: 66/33 2: 50/50	1: 66/33
VM SMDI ENABLE 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.	3	0:Off 1:On	0: Off
VMIB SMTP PORT SMTP Port for VMIB message e-mail sending.	4	0000-9999	0025
NETWORK DATE/TIME USE If set to ON, the System updates the Date & Time with Network Date & Time when the System Date & Time is different.	5	0: Off 1: On	0: Off
CLI PRINT If set to ON, CLI information is printed.	6	0: Off 1: On	0: Off
TLS FOR WEB Enables Transport Layer Security (TLS for Web access.	7	0: Off 1: On	0: Off
WEB SERVER PORT Web Server port number.	8	1-65535	80

TRANS/PGM 223	BTN	RANGE	DEFAULT
DB AUTO DOWNLOAD(WEEK) Determines when system database downloads to USB automatically,	9	0: Off 1: On	0: Off
DB DOWNLOAD (TIME) Sets the time for system database download to USB automatically.	10	00-23	00
UC SERVER IP ADDRESS UC Server IP Address.	11	-	-
CTI SERVER IP ADDRESS CTI Server IP Address.	12	-	-
MODEM ASC CO LINE Modem Associate CO Line.	13	001-240	000
IP PHONE REG BY STA NUM Enables IP phone registration by station number.	14	0: Off 1: On	0: Off

# Remote Device Zone Management

Remote devices, in particular those not reachable by the System, are managed by grouping devices by various characteristics in a Zone. Placing devices into Zones simplifies management allowing definition of common characteristics to the devices within the zone. Zone attributes include:

- Nation Code
- Language
- RTP Relay
- RTP Relay group

#### CONDITIONS

- It is recommended to assign CO/IP lines and Stations of a Tenant group in the same Device Zone.
- Wake-up time is based on the time displayed in the Station LCD.

#### **OPERATION**

When set, Zone operation is automatic.

#### ADMIN PROGRAMMING

#### Zone Data

Zone Attributes ... use Web Admin (TRANS/PGM 395) Zone RTP Relay Group ... use Web Admin (TRANS/PGM 396) Inter-Zone Attributes ... use Web Admin (TRANS/PGM 397) Station Zone Attributes ... use Web Admin (TRANS/PGM 399)

# Remote Services, Managed Net

IP Phones, DTIM and SLTM can run on a System located on a different LAN segment or WAN without the need for additional equipment.

The System can be assigned with the IP address of the default gateway (router) running the remote device. The system will register the device through the router. Using this configuration, the device can establish a connection with the system and then establish peer-to-peer communication with other devices as needed.

#### CONDITIONS

The managed network must provide appropriate security, bandwidth and QoS.

#### **OPERATION**

Operation of this feature is automatic.

#### ADMIN PROGRAMMING

System Info

IP Phone/Phontage Registration Table (TRANS/PGM 106) ... see details on page A-12

TRANS/PGM 106	BTN	RANGE	REMARK
MAC ADDRESS Used to register an IP Phone to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-105,)	1	-	-
USER ID Used to register a Phonatge to the System, by entering its User ID and Password.	2	-	-
USER PASSWORD Used to register a Phonatge to the System, by entering its User ID and Password.	3	-	-
STA NUMBER (VIEW) Once a connection is made to the System, the current Station number will be displayed.	4	-	-
IP ADDRESS (VIEW) Displays the IP Address of the IP phone/Phontage.	5	-	-
F/W IP ADDRESS (VIEW) Displays the Firewall IP Address of the IP phone/Phontage.	6	-	-
RTP SECURITY Enable RTP Security.	7	-	-

## DTIM/SLTM Registration Table (TRANS/PGM 107) ... see details on page A-13

TRANS/PGM 107	BTN	RANGE	REMARK
MAC ADDRESS Used to register a DTIM to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-105.)	1	-	-
STA RANGE (VIEW) Once a connection is made to the System, the Station number assigned to DTIM/SLTM will be displayed.	2	-	-
IP ADDRESS Displays the IP Address of the IP phone/Phontage.	3	-	-
F/W IP ADDRESS Displays the Firewall IP Address of the IP phone/Phontage.	4	-	-
RTP SECURITY Enable RTP Security.	5	-	-

## Logical Slot Assignment (TRANS/PGM 103 - FLEX 2) ... see details on page A-11

TRANS/PGM 103	BTN	RANGE	REMARK
STATION BOARD	2	88 (SIP Phone) 99 (IP Phone or Phontage)	-

# **Revertible Ring**

This feature can be used to identify the extension DN especially when a SLT is in use. Additionally, the User can verify the incoming ring signal is working correctly.

#### **OPERATION**

To listen to Revertible Ring:

- Lift the Handset or press [SPEAKER].
- 2. Dial the station DN; confirmation tone is heard
- 3. Replace Handset (go on-hook); incoming ring will be presented.
- 4. Lift Handset or press [SPEAKER], confirmation tone is heard.

#### ADMIN PROGRAMMING

Table Data

Speed Dial 3-146

Chapter 3: System Features

## Ring Table, Revertible Ring (Web Admin TRANS/PGM 265-11)

TRANS/PGM 265	BTN	RANGE	DEFAULT
Revertible Ring - (Web Admin Only)	11	-	-

# **Speed Dial**

## **Speed Dial Pause Insertion**

A pause dialing command may be inserted in a Station or System Speed Dial number. When encountered, the System will stop dialing the Speed Dial number for the assigned "pause" duration. Multiple pauses ([HOLD] button depressions) may be inserted into a Speed Dial number.

## **CONDITIONS**

Timed pause is used only with analog CO lines.

### **OPERATION**

### System

When set, Pause operation is automatic.

#### ADMIN PROGRAMMING

#### Station Data

Speed Access (TRANS/PGM 134, FLEX 1) ... see details on page A-33

TRANS/PGM 134	BTN	RANGE	DEFAULT
SPEED ACCESS gives station speed dial bins access authority.	1	0: Disable	Enable
		1: Enable	

#### Table Data

System Speed Dial Table (TRANS/PGM 257) ... see details on page A-110

TRANS/PGM 257	BTN	RANGE	DEFAULT
SYS SPD DIAL The System Speed Dial Digits.	1	Max 32 digits	-
SYS SPD NAME The System Speed Dial Name.	2	Max 16 characters	-

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TRANS/PGM 257	BTN	RANGE	DEFAULT
TOLL FREE Assignment to apply toll free.	3	0: Off 1: On	0: Off
TENANT NO The tenant number to be applied to the System Speed Access.	4	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

#### RELATED FEATURES

Station Speed Dial ... see page 3-147 System Speed Dial ... see page 3-150

## Station Speed Dial

Each User can store commonly dialed numbers for easy access using Station Speed Dial bins. Each Station has access to 50 Speed Dial numbers. Each Speed Dial number can be up to 24 digits in length and may include special instruction codes.

Special instruction codes are:

- Flash as 1st digit: Activates dial tone detect.
- Pause [CALLBACK]: Inserts a pause dialing command.
- \* not 1st digit: Switches from Pulse to DTMF dialing.

Digital Phone users may assign a Flex button for One-Touch access to a specific Speed Dial bin.

#### CONDITIONS

- Accessing an empty Speed Dial bin will return an error tone.
- Speed Dial numbers can reference a specific CO/IP Group entered by the user. If the assigned line is busy, a line from the same group will be selected. If all lines in the group are busy, the user may queue for the next available line.
- All Speed Dial numbers are stored in protected memory in case of power loss.
- A name can be entered for a Speed Dial number to permit access from the Dial-by-Name directory.

#### OPFRATION

#### **Digital Phone**

To dial using a Station Speed Dial:

- Lift handset or press the [SPEAKER] button.
- Press the [SPEED] button.
- Dial the desired bin number.

Speed Dial

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Chapter 3: System Features

## To program a Station Speed Dial number:

- Press the [TRANS/PGM] button.
- 2. Press the [SPEED] button.
- 3. Dial the Speed Dial bin number.
- 4. Dial (CO/IP Line/Group Access code).
- 5. Enter the number to be stored.
- Press the [HOLD/SAVE] button.
- 7. If desired, enter a name (refer to the Alphanumeric Entry Chart on page C-105).
- 8. Press the [HOLD/SAVE] button.

## To program a Station Speed Dial number using the 3-soft-key (LCD display phones):

- Press the {DIR} Soft key.
- 2. Dial 1 or Press the {OK} Soft key.
- 3. Press the {ADD} Soft key.
- 4. Dial the Speed Dial bin number or Press the {OK} button.
- 5. Dial the {CO/IP Group Access code}.
- 6. Dial the number to be stored.
- 7. Press the [HOLD/SAVE] button.
- 8. If desired, enter a name (refer to the Alphanumeric Entry Chart on page C-105).
- 9. Press [HOLD/SAVE] button.

## Single Line Phone

## To dial using Station Speed Dial:

- 1. Lift handset.
- 2. Dial (SLT Speed Dial access code).
- 3. Dial the desired bin number.

Speed Dial 3-149

Chapter 3: System Features

## To program a Station Speed Dial number:

- 1. Dial (SLT Programming code).
- 2. Dial {SLT Speed Dial access code}.
- 3. Dial the Speed Dial bin number.
- 4. Dial the {CO/IP Group Access code}.
- 5. Dial the number to be stored.
- 6. Press for hook-switch.
- 7. If desired, enter a name (refer to Alphanumeric Entry Chart on page C-105).
- 8. Press for hook-switch.

#### **ADMIN PROGRAMMING**

#### Station Data

Speed Access (TRANS/PGM 134-BTN 1) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
SPEED ACCESS gives station speed dial bins access authority.	1	0:Disable 1:Enable	Enable

## Table Data

System Speed Dial Table (TRANS/PGM 257) ... see details on page A-110

TRANS/PGM 257	BTN	RANGE	DEFAULT
SYS SPD DIAL The System Speed Dial Digits.	1	Max 32 digits	-
SYS SPD NAME The System Speed Dial Name.	2	Max 16 characters	-
TOLL FREE Assignment to apply toll free.	3	0:Off 1:On	0:Off
TENANT NO The tenant number to be applied to the System Speed Access.	4	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

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#### RELATED FEATURES

Dial-by-Name ... see page 3-60 Last Number Redial (LNR) ... see page 3-110 Dial Pulse to Tone Switchover ... see page 3-62 Saved Number Redial (SNR) ... see page 6-18 Speed Dial Pause Insertion ... see page 3-146 System Speed Dial ... see page 3-150

## System Speed Dial

Commonly dialed numbers can be stored by the System Attendant or by the Administrator using Web Admin. for easy access to Stations allowed use of System Speed Dial bins. Each Speed Dial number can be up to 24 characters in length and may include special instruction codes.

Special instruction codes are:

- Flash as 1st digit: Activates dial tone detect.
- Pause [CALLBACK]: Inserts a pause dialing command.
- \* not 1st digit: Switches from Pulse to DTMF dialing.
- Digital Phone users may assign a Flex button for One-Touch access to a specific System Speed Dial bin.

#### CONDITIONS

- Accessing an empty Speed Dial bin will return an error tone.
- Speed Dial numbers can reference a specific CO/IP Group entered by the user. If the assigned line is busy, a line from the same group will be selected. If all lines in the group are busy, the user may queue for the next available line.
- All Speed Dial numbers are stored in protected memory in case of power loss.
- A name can be entered for a Speed Dial number to permit access from the Dial-by-Name directory.

#### OPFRATION

#### Digital Phone

To dial using a System Speed Dial:

- 1. Lift handset or press the [SPEAKER] button.
- 2. Press the [SPEED] button.
- Dial the desired bin number



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Chapter 3: System Features

### Single Line Phone

To dial using a System Speed Dial:

- Lift handset.
- 2. Dial (SLT Speed Dial access code).
- 3. Dial the desired bin number

#### Attendant

To program a System Speed Dial number:

- 1. Press the [TRANS/PGM] button.
- 2. Press the [SPEED] button.
- 3. Dial the Speed Dial bin number
- 4. Dial the {CO/IP Group Access code}.
- 5. Dial the number to be stored.
- Press the [HOLD/SAVE] button.
- 7. If desired, enter a name (refer to the Alphanumeric Entry Chart on page C-105).
- 8. Press the [HOLD/SAVE] button.

To program a Station Speed Dial number using the 3-soft-key (LCD display phones):

- Press the {DIR} Soft key.
- 2. Dial 1 or Press the {OK} Soft key.
- Press the {ADD} Soft key.
- 4. Dial the Speed Dial bin number or Press the {OK} button.
- 5. Dial the {CO/IP Group Access code}.
- Dial the number to be stored.
- Press the [HOLD/SAVE] button.
- 8. If desired, enter a name (refer to Alphanumeric Entry Chart on page C-105).
- 9. Press [HOLD/SAVE] button.

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### ADMIN PROGRAMMING

#### Station Data

Speed Access (TRANS/PGM 134 - FLEX 1) page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
SPEED ACCESS gives station speed dial bins access authority.	1	0:Disable 1:Enable	Enable

### Table Data

System Speed Dial Table (TRANS/PGM 257) page A-110

TRANS/PGM 257	BTN	RANGE	DEFAULT
SYS SPD DIAL The System Speed Dial Digits.	1	Max 32 digits	-
SYS SPD NAME The System Speed Dial Name.	2	Max 16 characters	-
TOLL FREE Assignment to apply toll free.	3	0: Off 1: On	0: Off
TENANT NO The tenant number to be applied to the System Speed Access.	4	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

#### **RELATED FEATURES**

Dial-by-Name ... see page 3-60

Last Number Redial (LNR) ... see page 3-110

Dial Pulse to Tone Switchover ... see page 3-62

Saved Number Redial (SNR) ... see page 6-18

Speed Dial Pause Insertion ... see page 3-146

System Speed Dial ... see page 3-150

# **Station Call Coverage**

The DN button at a Station can be set for incoming calls only by disabling outgoing calls. If the MADN-type DN button has a delayed ring option, the button will operate as a call coverage button. This feature must be programmed by the Administrator; individual users cannot set this feature.

#### **OPERATION**

If Programmed, Station Call Coverage is automatic.

### **ADMIN PROGRAMMING**

#### Station

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Station Number Type (TRANS/PGM 130 - FLEX 1) ... see details on page A-31 Flex Button Assign (TRANS/PGM 126) ... see details on page A-29 DN Flex Button Ring Option (TRANS/PGM 126 - FLEX 2) ... see details on page A-30 DN Flex Button Access (TRANS/PGM 126 - FLEX 3) ... see details on page A-30
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# **System Groups**

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

Station Group: Terminal / Circular / Ring / Longest Idle / VM

Pilot Hunt Group

Pick-Up Group

PTT Group

Command Conference Group

Interphone Group

Paging Group

Chapter 3: System Features

# Station Group

Stations can be grouped so incoming calls may be routed to an idle station in the group. The different types of Station Groups are described:

- Terminal Group Calls to a station in a Terminal Station Group that encounter an unavailable or go unanswered will be routed through the hunt process. The call will proceed to the next listed station in the group until reaching the last listed station. The queued call may be taken out of the group if set to forward to an overflow destination.
- Circular Group Calls to a station in the Circular Group will go to the station, if unavailable or unanswered in the hunt no answer time; the call will be directed to the next station defined in the group. The call will continue to hunt until each station in the group has been tried. The queued call may be taken out of the group if set to forward to an overflow destination.
- Ring Group An incoming call to any station in the Group will cause all stations in the group to ring, and any station in the group may answer the call. Multiple calls can be received by a Station Ring Group and can be serviced in any order according to Station availability. The gueued call may be taken out of the group if set to forward to an overflow destination.
- Longest Idle (UCD) Group Calls are sent to the group by dialing the Hunt group Number or assigning CO lines to directly terminate at the group. Calls are directed to the Station in the group that has been idle for the longest time. If all stations in the group are busy when a call is received for the group, the call may be routed to an alternate location, or may continue to wait (queue) for a station in the group to become available. The queued call may be taken out of the group if set to forward to an overflow destination.
- Station VM Group Can be enabled to support an external Auto Attendant/Voice Mail (AA/VM) system that employs SLT ports to interface with the system. An External AA/VM group is assigned for either Circular, Terminal, or Longest Idle hunt. The External AA/VM may employ either in-band signaling over the audio channel or SMDI protocol with a signaling connection to the System RS-232 channel.

### CONDITIONS

- Station Group calls are not routed to member stations that are in DND.
- A call transferred to a Station Group will follow the routing for the group and will not initiate the Transfer Recall process.
- Calls to a Station Group receive either a ring-back tone or MOH while gueued to the group.
- Calls can be routed to the defined Overflow destination according to Forward type, Station, Group, etc. If Forward type is set to NOT USED, the call is dropped about each Forward case.
- Stations can be a member of one or more Station Groups (Multiple Member Assignment).
- A User can program Queue Count for each member of the Station group (0-99).
- The System can provide a call to a group member during the Greeting according to the Call in Greeting option.
- A User can assign a Group Name for each Station Group.

#### OPERATION

When programmed, Station Group operation is automatic.

To pick-up a call that comes in to the Station Group:

- 1. When a call is ringing in to the Group, lift handset or press the [SPEAKER] button.
- 2. Stations can be set to be Disabled, receive All calls, receive Intercom calls, or to receive External calls.

### ADMIN PROGRAMMING

### Station

DND Access (TRANS/PGM 132 - FLEX 4) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
DND ACCESS enables DND to be activated by the station.	4	0: Disable 1: Enable	Enable

Chapter 3: System Features

Station Group Executive/Secretary Assign (TRANS/PGM 241) ... see details on page A-102

TRANS/PGM 241	BTN	RANGE	DEFAULT
EXECUTIVE NUMBER Assigns Executive station.	1	-	-
SECRETARY ASSIGN Assigns Secretary stations; enter secretary station range, or press FLEX 1-3 and enter station number to assign.	2	FLEX 1-3	-
ICM CALL TO EXEC 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'.	3	0:Secretary 1:Secretary if Executive in DND	0:Secretary
CO CALL TO EXEC 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'.	4	0:Secretary 1:Secretary if Executive in DND	0:Secretary
CALL EXECUTIVE 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'.	5	0-2	0
SECRETARY CHOICE Determines order in which secretary stations will receive calls (First Idle/Longest Idle).	6	0-1	0
MSG WAIT STATION 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.	7	0:Executive 1:First Secretary	0

Executive/ Executive Access (TRANS/PGM 242) ... see details on page A-103

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# Station Group (TRANS/PGM 200) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
GROUP TYPE this entry defines the type of station group.	1	0:Not Assign 1: Terminal 2: Circular 3: Ring 4: Longest Idle 5: Voice Mail	Not Assign
GROUP NAME this entry defines the name of a group.	2	Max 16 chars	-
TENANT NO this entry assigns a tenant of a station group.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE IDX Time Table index,	4	1-9	1
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable
MEMBER ASSIGN this entry assigns stations as members of a station group.	6	-	-

# Station Group Greeting/Queuing Attribute (TRANS/PGM 201) ... see details on page A-65

TRANS/PGM 201	BTN	RANGE	DEFAULT
GREETING TYPE this entry defines the type of greeting tone.	1	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	1
GREETING PLAY this entry defines greeting play time.	2	000-180 (secs)	000

TRANS/PGM 201	BTN	RANGE	DEFAULT
GREETING TONE NO This entry defines greeting tone number in case greeting type is normal.	3	01-19	Not Assigned
GREETING PRT/ANNC This entry defines greeting prompt / annc. Number in case greeting type is PROMPT/ANNC.	4	001-255	Not Assigned
GREETING REPEAT NO This entry defines greeting repeat number.	5	000-100	3
GREETING RPT DELAY This entry defines the pause timer before greeting repeat.	6	000-100 (secs)	0
QUEUING TYPE This entry defines the type of queuing tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	3
QUEUING TIMER This entry defines the timer for queuing forward or second queuing announcement.	8	000-300 (secs)	30
QUEUING TONE NO This entry defines queuing tone number in case queuing type is normal.	9	01-19	Not Assigned
QUEUING PRT/ANNC This entry defines queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	10	001-255	Not Assigned
QUEUING REPEAT NO This entry defines queuing repeat number.	11	000-100	3
QUEUING RPT DELAY This entry defines the pause timer before queuing repeat.	12	000-100 (secs)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0
MOH FOR ANNC This entry defines MOH option during queuing annc. Pause time.	14	01-12	none

Chapter 3: System Features

TRANS/PGM 201	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	15	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
SECOND Q. TIMER This entry defines the timer for forward destination.	16	000-300 (secs)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	17	01-19	Not Assigned
SECOND PRT/ANNC This entry defines second queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	18	001-255	Not Assigned
SECOND REPEAT NO This entry defines second queuing repeat number.	19	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	20	000-100 (secs)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	21	0-1	0
MOH FOR ANNC, This entry defines MOH option during second queuing annc. Pause time.	22	01-12	none

# Station Group Attributes (TRANS/PGM 202) ... see details on page A-68

TRANS/PGM 202	BTN	RANGE	DEFAULT
CALL IN GREETING This entry defines if a call is routed to a destination during greeting tone is played.	1	0: After Greeting 1. In Greeting	After Greeting
MAX QUEUE COUNT This entry defines queue count.	2	00-99	00

Chapter 3: System Features

TRANS/PGM 202	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: 1: Uncond 2: Q Overflow 3: Time out 4: All	Not Used
APPLY TIME TYPE This entry defines a time to apply forward type.	4	0: ALL 1: DAY 2: NIGHT 3: TIMED	ALL
FWD DESTINATION This entry defines a forward destination. (Trunk access code should be included).	5	Max 16 digits	None
WRAP UP TMR This entry defines a wrap up timer. A member is available when this timer is expired after a member goes to idle.	6	000-600	010
MEMBER NO ANS TMR This entry defines no answer timer about each member. If this timer is expired, a call is routed to the next member.	7	05-60	15
RING NO ANS TMR This entry defines ring no answer timer. If this timer is expired, a call is routed to the forward destination according to forward type.	8	0-180	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided	9	0: With Answer 1: W/o Answer	With Answer

# VM Group Attributes (TRANS/PGM 203) ... see details on page A-69

TRANS/PGM 203	BTN	RANGE	DEFAULT
VM PUT MAIL INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Put Mail" dial code.	1	1-9	1
VM GET MAIL INDEXFor external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Get Mail" dial code.	2	1-9	2
VM BUSY INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Busy" dial code.	3	1-9	3

Chapter 3: System Features

TRANS/PGM 203	BTN	RANGE	DEFAULT
VM NO ANSWER INDEX For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "No answer" dial code.	4	1-9	4
VM DISCONNECT For external analog Voice Mail groups, an index to the Voice Mail Dial Table, which contains the "Disconnect" dial code.	5	1-9	9
SMDI TYPE This entry defines SMDI Type.	6	0: Type 1 1: Type 2	Type 1
SMDI CLI INFO This entry defines SMDI CLI Information. If this is enable, system sends SMDI with CLI.	7	0: Off 1: On	Off

### Table Data

Announcement Table (TRANS/PGM 259) ... see details on page A-111

TRANS/PGM 259	BTN	RANGE	DEFAULT
The VMIB slot & Prompt No. to be used for playing the VMIB Announcement No.	1-4	VMIB Slot (00-18) & Prompt No (01-70)	-
CCR Index used for playing the VMIB Announcement No.	5	1-100	-

### Tenant Data

Tone Table ... use Web Admin (TRANS/PGM 290)

# Numbering Plan

Station Group Number (TRANS/PGM 115) ... see details on page A-22

TRANS/PGM 115	BTN	RANGE	REMARK
STATION GROUP RANGE (Edit by Range)	1	Start Station Group Number & End Station Group Number	-
STATION GROUP NUMBER (Edit)	2	Station Group Number	-

Chapter 3: System Features

### RELATED FEATURES

Executive/Secretary ... see page 3-85 Music On Hold ... see page 3-123 Call Forward ... see page 3-15 VMIB Integrated ... see page 3-258 Auto Attd/Voice Mail ... see page 3-258

#### **HARDWARF**

Digital Phone

# **Greeting/Queuing Tone Service**

The System can provide a Greeting tone or Queuing tone when a call is routed to Station Group.

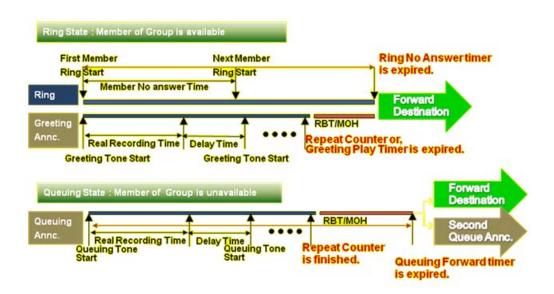
When a call is routed to Station Group, the pre-assigned Greeting or Queuing Tone will be provided to the caller. The tone will be provided according to the Tone Time/Delay Time/Repeat counters. There are 7 types of Tones:

- NORMAL System Tone (01-19, Tone Freg. in TRANS/PGM 264)
- PROMPT VMIB Prompt
- ANNOUNCEMENT VMIB Announcement
- INT MOH
- EXT MOH
- VMIB MOH (1-4 for MBX IP-300, 1-3 for MBX IP-100)
- SLT MOH (1-5)

### **OPERATION**

If set, Greeting/Queuing Tone Service operation is automatic.

Chapter 3: System Features



### ADMIN PROGRAMMING

Tenant Data

Chapter 3: System Features

# Attendant Group Attribute (TRANS/PGM 271-272) ... see details on page A-118

TRANS/PGM 271	BTN	RANGE	NGE DEFAULT
GREETING TYPE Determines the type of Greeting Tone to be used.	1	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	1: Normal
GREETING PLAY Determines the Greeting Play time.	2	000-180 (sec)	000
GREETING TONE NO Determines the Greeting Tone number when greeting type is set to Normal.	3	01-19	04
GREETING PROMPT/ANNC Determines the Greeting Prompt/ Announce Number when Greeting Type is set to Prompt or Announce.	4	001-255	Not Asg
GREETING REPEAT NO Determines the number of times the Greeting will repeat.	5	000-100	3
GREETING RPT DELAY Determines the length of time the timer will pause before the greeting is repeated.	6	000-100 (seconds)	0

Chapter 3: System Features

TRANS/PGM 271	BTN	RANGE	DEFAULT
QUEUING TYPE Determines the type of Queuing Tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
QUEUING TIMER Determines the Greeting/Queuing Timeout Timer.	8	010-300 (sec)	030
QUEUING TONE NO Determines the Queuing Tone number used when Queuing Type is set to Normal.	9	01-19	00
QUEUING PROMPT ANNC Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	10	001-255	Not Asg
QUEUING REPEAT NO determines the Queuing Repeat number.	11	000-100	3
GREETING RPT DELAY Determines the Pause Timer before Queuing is repeated.	12	000-100 (seconds)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0

TRANS/PGM 271	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	14	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10: SLT MOH1 11: SLT MOH2 12: SLT MOH3 13: SLT MOH4 14: SLT MOH5	4: INT MOH
SECOND Q. TIMER This entry defines the timer for forward destination.	15	000-300 (seconds)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	16	01-19	Not Asg
SECOND PRT ANNCThis entry defines second queuing prompt / annc.Number in case queuing type is PROMPT/ANNC.	17	001-255	Not Asg
SECOND REPEAT NO This entry defines second queuing repeat number.	18	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	19	000-100 (seconds)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	20	0-1	0

TRANS/PGM 272	BTN	RANGE	DEFAULT
CALL IN GREETING Determines if call is routed to the Attendant when Greeting Tone is played.		0: After Greeting 1: In Greeting	1: In Greeting
MAX QUEUE COUNT Determines the Queue count.	2	00-99	05

Chapter 3: System Features

TRANS/PGM 272	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: Not Used 1: Uncond 2: Q Overflow 3: Time out 4: All	0: Not Used
APPLY TIME TYPE Determines the time setting for applying the Forward type.	4	0: All 1: Day 2: Night 3: Timed	0: All
FWD DESTINATION Determines the forward destination (trunk access code should be included).	5	Max 16 digits	-
WRAP UP TMR Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	6	000-600 (100ms)	5
MEMBER NO ANS TMR Determines the No Answer timer; if this timer expires, a call is routed to the next attendant	7	05-60 (seconds)	15
ATD CALL BY STA NO 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	8	-	Off
RING NO ANS TMR This entry defines ring no answer timer. If this timer expires, a call is routed to the forward destination according to forward type.	9	0-180 (seconds)	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided.	10	0: With Answer 1: W/O Answer	0: With Answer

### Table Data

Tone Frequency/Cadence (TRANS/PGM 264) ... see details on page A-114

Chapter 3: System Features

# **CCR Service with Queuing Announcement**

The System can provide CCR Service during queuing announcement according to the CCR option.

A CCR Table defines a dialed digit (0-9, #, and \*) to a designated route; each individual digit corresponds with a route:

- Station
- Station Group
- CO Group Access Code
- Internal Page Zone
- Voice Mail Access Code
- CCR Access Code + VMIB Announcement
- CCR Access and Drop Code + VMIB Announcement
- Conference Room
- Net Number

In addition, the System will monitor digits for a system numbering plan(eg station number). if the User dials a Station number, Group Queuing Service is finished and a call is routed to the dialed destination.

### **OPERATION**

If set, Greeting/Queuing Tone Service operation is automatic.

### CONDITIONS

SIP/ISDN Terminal does not support CCR feature.

Chapter 3: System Features

### **ADMIN PROGRAMMING**

### Tenant Data

Station Group Attribute (TRANS/PGM 201-202) ... see details on page A-65 and page A-68

TRANS/PGM 201	BTN	RANGE	DEFAULT
GREETING TYPE this entry defines the type of greeting tone.	1	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10: SLT MOH1 11: SLT MOH2 12: SLT MOH3 13: SLT MOH4 14: SLT MOH5	1
GREETING PLAY this entry defines greeting play time.	2	000-180 (secs)	000
GREETING TONE NO This entry defines greeting tone number in case greeting type is normal.	3	01-19	Not Assigned
GREETING PRT/ANNC This entry defines greeting prompt / annc. Number in case greeting type is PROMPT/ANNC.	4	001-255	Not Assigned
GREETING REPEAT NO This entry defines greeting repeat number.	5	000-100	3
GREETING RPT DELAY This entry defines the pause timer before greeting repeat.	6	000-100 (secs)	0

Chapter 3: System Features

TRANS/PGM 201	BTN	RANGE	DEFAULT
QUEUING TYPE This entry defines the type of queuing tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	3
QUEUING TIMER This entry defines the timer for queuing forward or second queuing announcement.	8	000-300 (secs)	30
QUEUING TONE NO This entry defines queuing tone number in case queuing type is normal.	9	01-19	Not Assigned
QUEUING PRT/ANNC This entry defines queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	10	001-255	Not Assigned
QUEUING REPEAT NO This entry defines queuing repeat number.	11	000-100	3
QUEUING RPT DELAY This entry defines the pause timer before queuing repeat.	12	000-100 (secs)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0
MOH FOR ANNC This entry defines MOH option during queuing annc. Pause time.	14	01-12	none

TRANS/PGM 201	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	15	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
SECOND Q. TIMER This entry defines the timer for forward destination.	16	000-300 (secs)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	17	01-19	Not Assigned
SECOND PRT/ANNC This entry defines second queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	18	001-255	Not Assigned
SECOND REPEAT NO This entry defines second queuing repeat number.	19	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	20	000-100 (secs)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	21	0-1	0
MOH FOR ANNC, This entry defines MOH option during second queuing annc. Pause time.	22	01-12	none

TRANS/PGM 202	BTN	RANGE	DEFAULT
CALL IN GREETING This entry defines if a call is routed to a destination during greeting tone is played.	1	0: After Greeting 1. In Greeting	After Greeting
MAX QUEUE COUNT This entry defines queue count.	2	00-99	00

Chapter 3: System Features

TRANS/PGM 202	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: 1: Uncond 2: Q Overflow 3: Time out 4: All	Not Used
APPLY TIME TYPE This entry defines a time to apply forward type.	4	0: ALL 1: DAY 2: NIGHT 3: TIMED	ALL
FWD DESTINATION This entry defines a forward destination. (Trunk access code should be included).	5	Max 16 digits	None
WRAP UP TMR This entry defines a wrap up timer. A member is available when this timer is expired after a member goes to idle.	6	000-600	010
MEMBER NO ANS TMR This entry defines no answer timer about each member. If this timer is expired, a call is routed to the next member.	7	05-60	15
RING NO ANS TMR This entry defines ring no answer timer. If this timer is expired, a call is routed to the forward destination according to forward type.	8	0-180	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided	9	0: With Answer 1: W/o Answer	With Answer

### Table Data

Tone Frequency/Cadence (TRANS/PGM 264) ... see details on page A-114 Announcement Table (TRANS/PGM 259) ... see details on page A-111

TRANS/PGM 259	BTN	RANGE	DEFAULT
The VMIB slot & Prompt No. to be used for playing the VMIB Announcement No.	1-4	VMIB Slot (00-18) & Prompt No (01-70)	-
CCR Index used for playing the VMIB Announcement No.	5	1-100	-

### CCR Table (TRANS/PGM 260) ... see details on page A-112

TRANS/PGM 260	BTN	RANGE	DEFAULT
CCR TABLE 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.	1-12	Max 8 digits	-

### Forward Destination, Overflow Service

This can be assigned as Station/Hunt Group/Telephone Number, covering Station Group Call according to the Forward type of the Station Group. There are 4 kinds of Forward type in an Station Group:

- Unconditional
- Queuing Overflow
- **Queuing Timeout**
- Queuing Overflow or Queuing Timeout

The Overflow Destination can be programmed as Station/Station Group/External number/NET Destination.

#### OPFRATION

To use the Unconditional Forward Overflow Destination:

- 1. Dial the {Station Group Number}.
- 2. The Call is Routed to the Forward Destination.

To use the Queuing Overflow Forward Destination:

- Dial the {Station Group Number}.
- The Call is Queued when all Member Stations are in Busy mode.

NOTE: The Call will be Routed to the Forward Destination when max. queue has been Overflowed.

To use Queuing Timeout Forward Destination:

- Dial the {Station Group Number}.
- The call is Queued when all Member Stations are in Busy mode.

NOTE: Calls will be Routed to the Forward Destination when Queuing Time has expired.

Chapter 3: System Features

To use Queuing Overflow or Timeout as Forward Destination:

- 5. Dial the {Station Group Number}.
- 6. The Call is Queued when all Member Stations are in Busy mode.

NOTE: The Call will be routed to the Forward destination when Queuing Time expires or Max. Queue is overflowed.

### ADMIN PROGRAMMING

### Tenant Data

Station Group Attribute (TRANS/PGM 201-202) ... see details on page A-65 and page A-68

TRANS/PGM 201	BTN	RANGE	DEFAULT
GREETING TYPE this entry defines the type of greeting tone.	1	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10: SLT MOH1 11: SLT MOH2 12: SLT MOH3 13: SLT MOH4 14: SLT MOH5	1
GREETING PLAY this entry defines greeting play time.	2	000-180 (secs)	000
GREETING TONE NO This entry defines greeting tone number in case greeting type is normal.	3	01-19	Not Assigned
GREETING PRT/ANNC This entry defines greeting prompt / annc. Number in case greeting type is PROMPT/ANNC.	4	001-255	Not Assigned
GREETING REPEAT NO This entry defines greeting repeat number.	5	000-100	3
GREETING RPT DELAY This entry defines the pause timer before greeting repeat.	6	000-100 (secs)	0

TRANS/PGM 201	BTN	RANGE	DEFAULT
QUEUING TYPE This entry defines the type of queuing tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	3
QUEUING TIMER This entry defines the timer for queuing forward or second queuing announcement.	8	000-300 (secs)	30
QUEUING TONE NO This entry defines queuing tone number in case queuing type is normal.	9	01-19	Not Assigned
QUEUING PRT/ANNC This entry defines queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	10	001-255	Not Assigned
QUEUING REPEAT NO This entry defines queuing repeat number.	11	000-100	3
QUEUING RPT DELAY This entry defines the pause timer before queuing repeat.	12	000-100 (secs)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0
MOH FOR ANNC This entry defines MOH option during queuing annc. Pause time.	14	01-12	none

TRANS/PGM 201	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	15	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
SECOND Q. TIMER This entry defines the timer for forward destination.	16	000-300 (secs)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	17	01-19	Not Assigned
SECOND PRT/ANNC This entry defines second queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	18	001-255	Not Assigned
SECOND REPEAT NO This entry defines second queuing repeat number.	19	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	20	000-100 (secs)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	21	0-1	0
MOH FOR ANNC, This entry defines MOH option during second queuing annc. Pause time.	22	01-12	none

TRANS/PGM 202	BTN	RANGE	DEFAULT
CALL IN GREETING This entry defines if a call is routed to a destination during greeting tone is played.	1	0: After Greeting 1. In Greeting	After Greeting
MAX QUEUE COUNT This entry defines queue count.	2	00-99	00

TRANS/PGM 202	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: 1: Uncond 2: Q Overflow 3: Time out 4: All	Not Used
APPLY TIME TYPE This entry defines a time to apply forward type.	4	0: ALL 1: DAY 2: NIGHT 3: TIMED	ALL
FWD DESTINATION This entry defines a forward destination. (Trunk access code should be included).	5	Max 16 digits	None
WRAP UP TMR This entry defines a wrap up timer. A member is available when this timer is expired after a member goes to idle.	6	000-600	010
MEMBER NO ANS TMR This entry defines no answer timer about each member. If this timer is expired, a call is routed to the next member.	7	05-60	15
RING NO ANS TMR This entry defines ring no answer timer. If this timer is expired, a call is routed to the forward destination according to forward type.	8	0-180	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided	9	0: With Answer 1: W/o Answer	With Answer

Chapter 3: System Features

# Pilot Hunt Group

A Station can be grouped for Pilot Hunt Feature. Users may select incoming calls in the group to re-route to other stations (local or networked), station groups, the VMIB according to ring mode (Day/Night/Timed). A member of the Pilot Hunt Group may have Pilot Hunt Ring Access authority set for call coverage on another member Station in a group.

### CONDITIONS

- Pilot Hunt Ring Access of a member should be enabled to receive the Pilot Hunt Group calls.
- Pilot Hunt Group members can register a Forward as a Day destination using the {Pilot H. CFW Register} feature code.
- If a Station's busy service is set to Pilot Hunt and the Station is in conversation with an internal/external party, and another station calls, the call is routed to an idle member in the same Pilot Hunt.

### **OPERATION**

If programmed, Pilot Hunt Group is automatic.

#### ADMIN PROGRAMMING

Numbering Plan

Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17

### Station Data

Call Forward Access (TRANS/PGM 132 - FLEX 2) ... see details on page A-33

TRANS/PGM 132	BTN	RANGE	DEFAULT
FORWARD ACCESS enables Call Forward to be activated by the	2	0: Disable	Enable
station.		1: Enable	

Pilot Hunt Ring Access (TRANS/PGM 134 - FLEX 6) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
PILOT HUNT RING permits station to receive pilot hunt ring.	6	0:Disable 1:Enable	Enable

### Busy Service (TRANS/PGM 131 - FLEX 5) ... see details on page A-32

TRANS/PGM 131	BTN	RANGE	DEFAULT
BUSY SVC when an SLT extension attempts to transfer a CO call to a CO line it is blocked and the call is released.	5	0:Busy Tone 1:Camp-on 2:Call Wait 3:Pilot Hunt	Busy Tone

### CO Line Data

### Incoming CO Alternate (TRANS/PGM 169) ... see details on page A-53

TRANS/PGM 169	BTN	RANGE	DEFAULT
Incoming CO Alternataive DAY	1	F1: Busy F2: No Answer F3: Invalid F4: Transfer No Answer	Disconnect 1 sec
NIGHT	2		Disconnect 1 sec
TIMED	3	F5: Recall No Answer F6: DND F7: Out Of Service F8: Error 1: Disconnect 2: Attendant 3: CO Ring 4: Alt Ring Table 5: Tone 6: Pilot HuntGroup	Disconnect 1 sec

# Outgoing CO Alternate (TRANS/PGM 173) ... see details on page A-57

TRANS/PGM 173	BTN	RANGE	DEFAULT
DAY ALT DEST Abnormal case can be selected as error type.	-	F1: Recall No Answer F2:Transfer No Answer F3: No Answer	-
NO ANSWER DISCONNECT The CO call is disconnected. Every destination is set to 'Disconnect' by default.	1	-	-
NO ANSWER ATTENDANT The CO call is routed to Attendant.	2	-	-

Chapter 3: System Features

TRANS/PGM 173	BTN	RANGE	DEFAULT
NO ANSWER CO RING ASSIGN The CO call is routed according to Ring Assign Table. (see TRANS/PGM 167)	3	-	-
NO ANSWER ALT RING TBL 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 TRANS/PGM 181)	4	01-80	-
NO ANSWER TONE If destination is set to Tone, the Error / Busy tone is heard.	5	-	-
NO ANSWER PILOT HUNT GROUP The CO call is routed to Pilot Hunt Group of the original destination.	6	-	-
NO ANSWER RING The call is routed to the same destination again.	7	-	-
NO ANSWERThe CO call is routed to the transferred station again. Only possible for 'Transfer No Answer' case.	8	-	-

# Station Group

Pilot Hunt Group (TRANS/PGM 210) ... see details on page A-74

TRANS/PGM 210	BTN	RANGE	DEFAULT
CONDITION Determines call coverage condition for Pilot Hunt group.	1	0: ALL 1: Intercom 2: External	All
SERVICE TYPE This entry defines Service Type. (Terminal/Circular)	2	0: Terminal 1: Circular	Terminal
TIME TABLE INDEX Time Table index.	3	1-9	1
MEMBER ASGAssigns stations as members of a Pilot Hunt group.	4	-	-

Chapter 3: System Features

# Pilot Group Forward Attributes (TRANS/PGM 211) ... see details on page A-17

TRANS/PGM 211	BTN	RANGE	DEFAULT
DAY FORWARD TYPE determines Day time seting for Call Forward type.	1	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
DAY FORWARD DESTINATION determines Day time seting for Forward destination.	2	Max. 8 digits	-
NIGHT FORWARD TYPE determines the Night time seting for Call Forward type.	3	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
NIGHT FORWARD DESTINATION determines the Night time seting for Forward destination.	4	Max. 8 digits	-
TIMED FORWARD TYPE determines the Timed seting for Forward type.	5	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
TIMED FWD DESTINATION determines the Timed seting for Forward destination.	6	Max. 8 digits	-

### Table Data

Ring Table use Web Admin (TRANS/PGM 265)

### **RELATED FEATURES**

Call Forward Pilot Hunt ... see page 3-19

Chapter 3: System Features

## **Pick Up Group**

A Station can be assigned to a Call Pick-Up group and may pick-up (answer) calls to other stations in the group employing the System's Group Call Pick-Up feature.

Station Groups can be added as Pick -Up Groups with Pick-Up Attributes. Pick-up Groups can be set to pick-up all calls, internal calls only or external calls only.

### **OPERATION**

To use Group Call Pickup:

Dial the {Group Call Pick Up} feature code.

To use Direct Call Pickup:

- 1. Dial {Direct Call Pick Up} feature code.
- 2. Dial DN number to pick up the call.

#### ADMIN PROGRAMMING

Station Group

Station Group (TRANS/PGM 200 - FLEX 5) ... see details on page A-64

TRANS/PGM 200	BTN	RANGE	DEFAULT
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable

### Pickup Group (TRANS/PGM 204) Numbering Plan ... see details on page A-70

TRANS/PGM 204	BTN	RANGE	DEFAULT
PICK UP CONDITION this entry defines pick up condition. (All/Internal/External)	1	0: All Call 1: Int Call 2: Ext Call	All Call
PICK UP MEMBER ASG assigns stations as members of a station pickup group.	2	-	-

Chapter 3: System Features

### Group Pick-Up Code (TRANS/PGM 113) ... see details on page A-18

BTN	FEATURE (TRANS/PGM 113)	REMARK
33	Group Call Pickup	564

### RELATED FEATURES

Group Call Pick-Up ... see page 3-28

# Push To Talk (PTT) Group

Each Phone can be assigned as a member of one or more of the System Push-To-Talk (PTT) groups. The Phone user may log-in or log-out of any one, or all PTT groups to which it is assigned. Once logged in, the user may place or receive one-way page announcements to/from other users who are logged in to the same PTT group. Additionally, each user can log in or log out PTT group using the {PTT Group Log-In/Out Feature Code}.

#### CONDITIONS

- Only a SADN can be assigned as a member of Paging Group (PTT Group).
- SIP Stations cannot be assigned to Paging Groups.
- PTT Group 0 is a specific PTT Group, so if a member of the PTT group 0 tries to make a PTT announcement, all of the members in all of groups will receive the announcement. Additionally, each group member can make PTT calls, then all members of Group 0 will receive the announcement.

### **OPERATION**

Log-in PTT Group with Feature Code:

- 1. Dial the {PTT Group Log-In/Out Feature Code}; the PTT Group status and registration will be displayed.
- 2. Dial a PTT Group Number.

Log-out PTT Group with Feature Code:

- 1. Dial {PTT Group Log-In/Out Feature Code}; the PTT Group status and registration will be displayed.
- Dial \* (Log-Out Code).

To make a PTT Group Call:

- Press the programmed (PTT) button.
- 2. When finished, press the {PTT} button to end the call.

Chapter 3: System Features

### ADMIN PROGRAMMING

Station Group

PTT Group (TRANS/PGM 208) Numbering Plan ... see details on page A-73

TRANS/PGM 208	BTN	RANGE	DEFAULT
PTT MEMBER ASG this entry assigns stations as members of a PTT group.	1	-	-

PTT Group Log In/Out (TRANS/PGM 113) ... see details on page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
46	PTT Group Access	524 + PTT Group # ( 0-9) + * (Log out)

# **Command Conference Group**

A Station or external telephone number can be assigned as a member of a Command Conference Group.

Stations and external contacts (up to 12 members) can be arranged in groups so that a user may create a conference with all members of the group through a single call. Additionally, the user can make paging calls with same group.

There are 2 kinds of Command Conference Groups:

- Command One Way: A user can make announcements (paging) to members of the Command Group.
- Command Conference: A user can make conference calls with members of the Command Group.

On-Hook Service – An internal user can receive a command call while the Station is On-Hook. When an internal user receives a command group call and the call goes unanswered, the System will make a recall to the user station.

One- or Both-Way Busy – When an internal user receives command group call while in busy status, the command group call is ignored, and can be gueued. When an internal user receives a command group call while in busy status, the current call will be disconnected and the command group call automatically is connected.

### **OPERATION**

To initiate a Command Group (One Way):

- 1. Dial the {One Way Command Group Call} feature code.
- 2. Enter the Command Group number.

Chapter 3: System Features

To initiate a Command Group Conference:

- 1. Dial the {Conference Command Group Call} feature code.
- Enter the Command Group number.

### ADMIN PROGRAMMING

Station Data

Command Group Access (TRANS/PGM 152) ... see details on page A-44

Station Group

Command Conference Group ... use Web Admin (TRANS/PGM 206)

Numbering Plan

Command Group (TRANS/PGM 113) ... see details on page A-20

BTN	FEATURE (TRANS/PGM 113)	REMARK
65	Command Call Conf	580

## **Interphone Group**

To call Stations using a simple, one-touch digit, Stations can be gathered into an Interphone Group (up to 10 members).

### **OPERATION**

To use the Interphone Group feature:

- Dial {Interphone Group Access} feature code.
- Dial One Digit.

### ADMIN PROGRAMMING

Station Group

Interphone Group (TRANS/PGM 209) ... see details on page A-73

TRANS/PGM 209	BTN	RANGE	DEFAULT
DGT DESTINATION this entry defines the digit destination of Interphone group.	1	Station Number	-

Chapter 3: System Features

### Numbering Plan

Interphone Group Access Code (TRANS/PGM 113) ... see details on page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
56	Inter-Phone Group Access	534

## **Paging Group**

A Station is permitted to access page facilities for each Paging Group, to connect and transmit voice announcements to any or all System Paging Groups.

### CONDITIONS

- Only SADN can be assigned as the member of a Paging Group.
- SIP Station cannot be assigned as member of a Paging Group.

### **OPFRATION**

To perform an Internal Page:

- 1. Dial {INT Page code}.
- 2. Dial Page Group number (01 30). To perform an External Page: 1. Dial {EXT Page code}.

### ADMIN PROGRAMMING

#### Station Data

Page Access (TRANS/PGM 134 - FLEX 2) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
PAGE ACCESS permits station to make page.	2	0:Disable 1:Enable	Enable

Meet-Me Access (TRANS/PGM 134 - FLEX 3) ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
MEET ME ACCESS enables 'meet me' feature when there is a	3	0:Disable	Enable
page.		1:Enable	

Page Group Access (TRANS/PGM 151) ... see details on page A-43

### Station Group

Page Group (TRANS/PGM 205) ... see details on page A-71

TRANS/PGM 205	BTN	RANGE	DEFAULT
PAGE MEMBER ASG assign stations as members of a Page	-	-	-
group.			

### Numbering Plan

Internal Page Calling Answer Code (TRANS/PGM 113) ... see details on page A-18

BTN	FEATURE (TRANS/PGM 113)	REMARK
15	Internal Page Answer (Meet-Me Page)	547

# **Station Message Detail Recording (SMDR)**

# **Call Cost Display**

Each SMDR call record includes a Cost field; a calculated estimate for the cost of the call. When set, the call cost will update in real-time and display on the Digital Phone LCD in place of the call duration.

The cost is determined by:

- Fixed charge per Call Meter Pulse
- ISDN Advice of Charge
- Estimated cost updated based on the Elapsed Call Timer and any assigned costing.

The technique selected to determine cost is based on the type of facility (analog CO, ISDN, or VoIP), services provided by the carrier, and the system database.

Analog CO – When the Call Metering Pulse service is available from the carrier, the system will apply the SMDR Cost per Unit Pulse and the SMDR Decimal to Call Metering received to estimate call cost.

When no "Metering Type" is selected, the system call duration is used with the cost/pulse and decimal values to estimate the cost of the call. The cost is updated periodically using the "Elapsed Call Timer" duration.

ISDN - ISDN providers may support Advice of Charge information in the ISDN Facility Message. If assigned, the system will employ this information to display and output the call cost.

**VoIP** – For VoIP calls, the system employs the call duration, cost/pulse and decimal values to establish a call cost estimate. The cost is updated periodically at intervals of the Elapsed Call Timer.

Chapter 3: System Features

### CONDITIONS

- If enabled, Call Cost display begins after the SMDR Start Timer expires, or at receipt of the first Call Meter Pulse.
- Once connected to the system, the call duration includes the total time the call is connected including periods when the call is on hold, in queue, etc.
- To enable Call Cost Display, the SMDR Cost per Unit Pulse and SMDR Decimal must be assigned; when not assigned, call duration is provided by the System.
- SMDR MAX record message number is 5000; alarm message is automatically received at the Attendant Station if recorded number is 4000 or 4500.

### **OPERATION**

System When set, Call Cost is estimated automatically and output to Digital Phone displays and the SMDR RS-232 port.

#### ADMIN PROGRAMMING

### CO Line Data

Metering Type (TRANS/PGM 160 - FLEX 12) ... see details on page A-45

TRANS/PGM 160	BTN	RANGE	DEFAULT
METERING TYPE 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.	12	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)	None

#### System Data

SMDR Cost per Unit Pulse (TRANS/PGM 232 - FLEX 8) ... see details on page A-91

TRANS/PGM 232	BTN	RANGE	DEFAULT
CURRENCY UNIT The unit of currency used for call cost can be identified with 3 alpha characters for easy reference.	8	Max 3 characters	-

#### SMDR Fraction (TRANS/PGM 232 - FLEX 9) ... see details on page A-91

TRANS/PGM 232	BTN	RANGE	DEFAULT
COST PER PULSE When metering is provided by the PSTN, the cost per metering pulse can be assigned.	9	6 digits	000000

#### RELATED FEATURES

Station Message Detail Recording (SMDR) ... see page 3-187

Traffic Analysis ... see page 3-250

CO/IP Call Warning Tone Timer ... see page 3-43

#### HARDWARF

RS-323 device to capture SMDR

#### SMDR Call Records

SMDR provides detailed information on incoming and outgoing calls. Assignable options in the System database permit recording of all calls, all outgoing calls or toll calls and calls that exceed a fixed duration. Call records are output either upon completion of the call (real-time) or in response to a request from the System Attendant. SMDR may be sent periodically via e-mail to a defined e-mail address.

The various fields or items for a Call Record are:

- 8-digit Station call originator (terminating for incoming) filed
- 3-digit used CO line field
- 8-digit call duration field (HH:MM:SS)
- 8-digit year, month, and day (YY/MM/DD)
- 7-digit time of day call originator field
- 1 digit call identification digit-first digit in digit dial field
- 24-digit collected dialed digit field

- 5-digit pulse metering count field
- 10-digit call cost field
- 12-digit account code field

#### **OPERATION**

#### System

For real-time SMDR, records are output after completion of the call.

#### System Attendant

To print SMDR records (based on Station range):

- Press the [TRANS/PGM] button.
- 2. Dial 011 (SMDR Print code).
- Enter the desired station range.
- 4. Press the [HOLD/SAVE] button.

To delete stored SMDR records (based on Station range):

- Press the [TRANS/PGM] button.
- 2. Dial 012 (SMDR delete code).
- Enter the desired station range.
- 4. Press the [HOLD/SAVE] button.

To print Non-Station Based SMDR records:

- Press the [TRANS/PGM] button.
- 2. Dial 013 (SMDR Print code).
- Press the [HOLD/SAVE] button.

To delete Non-Station Based SMDR records:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 014 (SMDR delete code).
- Press the [HOLD/SAVE] button.

To print ALL SMDR records (all of SMDR):

- Press the [TRANS/PGM] button.
- 2. Dial 015 (SMDR print code).
- Press the [HOLD/SAVE] button.

## To delete All SMDR records (all of SMDR):

- 1. Press the [TRANS/PGM] button.
- 2. Dial 016 (SMDR delete code).
- 3. Press the [HOLD/SAVE] button.

#### ADMIN PROGRAMMING

### System

SMDR Attributes (TRANS/PGM 232) ... see details on page A-91

TRANS/PGM 232	BTN	RANGE	DEFAULT
SMDR SERVICE SMDR Service Option. On-Line / Off-Line SMDR / SMDR-Interface / Email Service .can be enabled	1	0: Not Use 1: On-Line 2: Off-Line 3: On-Line/Off-Line 4: SMDR-Interface 5: SMDR E-Mail 6: Off-Line & E-Mail 7: On/Off-Line & E-Mail 8: Interface & E-Mail	0:Not Use
OUTGOING REPORT Outgoing Call Report Option for SMDR Service. If this option is set, outgoing call will be included at SMDR data	2	0:Off 1:On	0:Off
INCOMING REPORT Incoming Call Report Option for SMDR Service. If this option is set, incoming call will be included at SMDR data	3	0:Off 1:On	0:Off
ICM REPORT Internal Call Report Option for SMDR Service.If this option is set, internal call will be included at SMDR data	4	0:Off 1:On	0:Off
LOST CALL REPORT Outgoing or Incoming Lost Call Report Option for SMDR Service. If this option is set, CO lost call will be included at SMDR data	5	0:Off 1:On	0:Off
RECORD TYPE If set to on, LD calls are identified by the LONG DIST CALL DGT Counter; the system can record all outgoing calls or only long distance calls.	6	0:All Call 1:LD	0:All Call

TRANS/PGM 232	BTN	RANGE	DEFAULT
LONG DIST CALL DGT CNT Dialed numbers, which exceed the assigned LD Digit count, are considered long distance calls for SMDR.	7	07-15	07
CURRENCY UNIT The unit of currency used for call cost can be identified with 3 alpha characters for easy reference.	8	Max 3 characters	-
COST PER PULSE When metering is provided by the PSTN, the cost per metering pulse can be assigned.	9	6 digits	000000
SMDR FRACTION Determines the position of the decimal in the Cost per Pulse, starting from the right-most digit.	10	0-5	0
HIDDEN DIALED DGT 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, TRANS/PGM CODE 131 button 7.	11	0-9	0
HIDDEN DGT POSITION When "HIDDEN DIALED DIGIT" is enabled, button 12 above, this field determines if leading or trailing digits are hidden.	12	0:Left 1:Right	1:Right
TRANSFER CHARGE MODE  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.	13	0:Individual 1:Integrate Xfering 2:Integrate Xfered	0:Individual

TRANS/PGM 232	BTN	RANGE	DEFAULT
TRANSFER CHARGE  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.	14	0:Normal Charging 1:Atd Charging 2:Xfered Charging	0:Normal Charging
WARNING TONE SVC if this option is enabled and SMDR service type is off-line, the system check free records space. And if free space is less than 1000, warning tone will be served as alarm to Attendant.	15	0:Off 1:On	0:Off
SMDR CONN TYPE This assigns port to be used for SMDR Interface. SMDR Interface is served through LAN or SIO.	16	0:SIO 1:LAN	0:SIO
- SMTP MAIL SERVER ADDRESS SMTP Mail Server IP Address.	Web Only	-	-
- SMTP MAIL SERVER PORT SMTP Mail Server Port Number		-	-
- SMDR REPORTED MAIL ADDRESS SMDR User Mail Address.		Max 64 characters	-
- SMDR SMTP MAIL SERVER ID SMTP Mail Server User ID		-	-
- SMDR SMTP MAIL SERVER PASSWORD SMTP Mail Server User Password		-	-
- SMDR SMTP SENDER ADD Sender Address of Reported SMDR E-Mail		Max 64 characters	-
- SMDR SMTP SEND WEEKLY SET Select SMDR Mail Send Day		N/A (Monday- Sunday)	N/A
- SMDR MAIL SEND DAILY SET 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

TRANS/PGM 232	BTN	RANGE	DEFAULT
- SMDR MAIL AUTO SEND MODE If the SMDR buffer is full, the system can automatically send a notification by e-mail.	Web Only	0:Off 1:On	1:On
- SMDR MAIL AUTO DELETE MODE Deletes SMDR records after sending e-mail.		0:Off 1:On	1:On

#### RELATED FEATURES

Call Cost Display ... see page 3-187 Traffic Analysis ... see page 3-250

Authorization Codes (Password) ... see page 3-5

#### **HARDWARE**

RS-323 device to capture SMDR

## System Admin Programming

## **Keyset Administration**

The System database can be accessed and modified using the Keypad and Flex buttons of a Digital Phone. The Digital Phone LCD is employed to view items on the System database. The user may be required to enter a password for access to Keyset Admin. Based on a set-up of Multi-level passwords, the User may have access to specified System database program codes. For detailed information on database administration and maintenance, refer to the Admin. Programming Manual.

#### CONDITIONS

Only stations assigned with Admin. access can enter and change System database items. As a default, the First station (Station 100, Administrator and/or Attendant) can access the database.

#### **OPERATION**

Keyset Administration operation is detailed in the Admin. Manual.

#### ADMIN PROGRAMMING

#### Station

Admin. Access (TRANS/PGM 121 - FLEX 5) ... see details on page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
KEYSET ADMIN Determines if the station is allowed to access administration in programming.  Default = Station 100 only	5	0:Disable 1:Enable	Disable

#### System

Admin. Access Authority ... use Web Admin System Password (TRANS/PGM 226) ... see details on page A-86

TRANS/PGM 226	BTN	RANGE	DEFAULT
USER PASSWORD Includes configurable database access in Web Admin., and cannot access Keyset Administration functions.	1	12 digits	none
ADMIN PASSWORD Includes configurable database access in Web Admin., and can access Keyset Admin.	2	12 digits	none
MAINT PASSWORD Includes full and unlimited access to database and maintenance functions.	3	12 digits	none

#### **RELATED FEATURES**

Web Administration ... see page 3-197 Multi-Level Admin Access ... see page 3-195

#### Multi-Level Admin Access

Access to the System Admin database is password protected. Up to three (3) levels of access to the database can be established by assigning a different password to each level.

- The Maintenance level has access to the entire database, all maintenance routines, and defines the Admin. Access Authority of the two remaining passwords.
- A User password can only access specific database items and cannot access Station Program pages.
- The Admin. password has access to specific database items as well as Station Program pages. In Web Admin, the Maintenance password user can establish the

Access Authority for each password selecting the Admin. Program Codes available to each password level.

#### CONDITIONS

- Admin. Access Authority is defined only in Web Admin.; it cannot be defined using Keyset Admin.
- Admin. Access Authority applies to all Admin. access whether accessed via a Digital Phone. ISDN or IP channels.

#### **OPERATION**

Detailed operation of Admin. access and assigning access authority for each level is given in the Admin. Programming Manual.

#### ADMIN PROGRAMMING

#### Station

Keyset Admin (TRANS/PGM 121 - FLEX 5) ... see details on page A-24

TRANS/PGM 121	BTN	RANGE	DEFAULT
KEYSET ADMIN when an SLT extension attempts to transfer a CO call to a CO line it is blocked and the call is released.	5	0:Disable 1:Enable	Disable

#### System

Admin Access Authority ... use Web Admin

System Password (TRANS/PGM 226) ... see details on page A-91

TRANS/PGM 226	BTN	RANGE	DEFAULT
USER PASSWORD Includes configurable database access in Web Admin., and cannot access Keyset Administration functions.	1	12 digits	none
ADMIN PASSWORD Includes configurable database access in Web Admin., and can access Keyset Admin.	2	12 digits	none
MAINT PASSWORD Includes full and unlimited access to database and maintenance functions.	3	12 digits	none

#### RELATED FEATURES

Web Administration ... see page 3-197

#### Web Administration

The System database can be accessed and modified using a Digital Phone, the LAN interface or an ISDN PRI line. Both the LAN and ISDN access the System Web server delivers the database as a set of Web pages to the a Web browser. Under the proper conditions, both also allow for remote access to the System database.

For remote access with a LAN interface, the System must be assigned a remotely accessible IP address. The IP address should be fixed either as a public IP address or through a NAPT server with port forwarding. The User's browser should be pointed to the System IP address and the TCP port assigned in the System database.

When accessed, the System will return the Administration Web page. From this page, selecting Admin & Maintenance will return the login page where the user must enter a registered password. Based on the password entered, the user is permitted access to specified System program codes (refer to Admin. Programming Manual).

#### CONDITIONS

For Web Admin., a password can be encrypted using the LG-Nortel Java Virtual Encryption plug-in. A Java Virtual Machine (MS or Sun) must be installed on the User PC to support password encryption.

#### OPERATION

Operation is detailed in the Admin. Programming Manual.

#### ADMIN PROGRAMMING

#### Pre-programmed Data

System IP Address Plan (TRANS/PGM 108) ... see details on page A-14

TRANS/PGM 108	BTN	RANGE	REMARK
IP ADDR Public IP Address required for remote user and Web-admin. IPv4 format.	1	-	10.10.101
SUBNET MASK Used to register a Phonatge to the System, by entering its User ID and Password.	2	-	255.255.0.0
ROUTER IP ADDR IP Address of router for external network (WAN/IP) access. Required for shared voice and data LAN and remote Web access.	3	-	10.10.10.254
FIREWALL IP ADDR 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.	4	-	0.0.0.0

TRANS/PGM 108	BTN	RANGE	REMARK
DNS IP ADDR IP Address of Domain Name Server, which MBX IP will use to resolve URLs to an IP address. The DNS provides the resolution after receiving the name from MBX IP.	5	-	0.0.0.0
H.323 PORT H.323 UDP Port.	6	-	1720
SIP PORT SIP UDP Port.	7	-	5060
DHCP USAGE If this field is set to 'ON', the system gets the IP-address from the DHCP Server when it is booting.	8	-	Off
DIFFSERV Diff-Serv pretag value.	9	-	04

## System

WEB Password Encryption (TRANS/PGM 223 - FLEX 1) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
WEB ADM PSWD ENCRYPTION 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.	1	0: Off 1: On	0: Off

Admin Access Authority ... use Web Admin

#### **RELATED FEATURES**

Keyset Administration ... see page 3-194 Multi-Level Admin Access ... see page 3-195

#### Web User Manual

The Web Admin. User Guide is available on-line as part of Web services. The main Web page permits access to the Web User guide. The guide is an HTML document, which can be modified by replacing the HTML ROM image in the System with an external ROM image in accordance with the appropriate LG-Nortel R&D STI.

#### CONDITIONS

- Access to the User Guide is not password protected.
- To support local languages, the HYML ROM image of a translated Web User guide may be loaded into System menory.

#### **OPERATION**

Operation is detailed in the Admin Programming Manual.

## RELATED FEATU

Web Administration ... see page 3-197

The MBX IP Stem supports office building mobility employing Digital Enhanced Cordless Telecommunications (DECT). The DECT Base stations (GDC-400B/GDC-600B) connect to the Wireless Telephone Interface Module (WTIB). The WTIB manages up to 8 base stations; up to 2 WTIBs may be installed in the System. DECT handsets (GDC-400H and GDC-450H) can roam and maintain uninterrupted communications link to features and resources through the base station to the WTIB.

#### CONDITIONS

Multiple WTIBs may be installed to port DECT.

#### **OPERATION**

DECT operation is automatic when configured.

IIN PROGRAMMING TRADE

#### **DECT Data**

tributes (TRANS/PGM 492).

GDC-400B/GDC-600B Base stations

C-400H/GDC-450H Handsets

System Networking 3-200

Chapter 3: System Features

## System Networking

## Centralized Control T-NET (LM)

The System supports Centralized Control T-NEX Transparent Network) as a role of the Local Mode (LM). If the MBX IP System is set for LM, all modules and terminals which are physically connected to the System can transparent faccess all the features and functions of the central MBX IP as well as connected resources. An MBX IP System set to work in Central Mode (CM) controls all remote modules and terminals connected to the System as if they are connected transparently without a local MBXXP System.

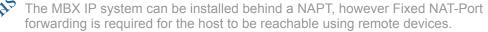
The voice connection provide vocally will not be controlled by a central MBX IP system directly. Therefore, a VOIP channel should be configured for voice relay between phones in the Local MBX IP system and the Central office system.

Under normal circumstances, the Central MBX IP system controls devices in the Local MBX IP System. However, should the WAN connection between the Central system and remote devices fail the Local MBX IP-System will assume Call Server responsibility for the local devices, The Local MBX IP-System provides local survivability and may provide PSTN back-up service (vail-over) for internal calls that normally route over the WAN, based on configuration.

certain operating conditions, this equipment cannot be relied upon for Emergency calls. Alternative arrangements should be made for access to Emergency services.

#### CONDITIONS

- A VOIB channel in the Vertical VISX IP System is required.
- In a Centralized Network, the maximum number of channels available is the maximum number of channels supported by the central MBX IP system.
- In a Centralized T-NET miscellaneous functions (Relay support, MOH, BGM, Alarms and External Page are not supported.
- When NAPT or other firewall functions are implemented, packet relay for RTP packets is required; Recket relay requires VoIP channels for each simultaneous call desired.
- The local MBX IP System will take over operation of registered devices if the Central office been not respond to three consecutive poll attempts over a period of 10-102 seconds; once connection to the WAN is re-established, the central office will Sutomatically re-gain control.



#### OPERATION

System -- Operation of Centralized Network is automatic when configured and defined.

#### ADMIN PROGRAMMING

#### T-Net Data

T-Net Attributes (TRANS/PGM 330) ... see details on page A-143

TRANS/PGM 330	BTN	RANGE	DEFAULT
T-NET ENABLE enable T-NET function	1	0: Off 1: On	Off

# CM Attributes (TRANS, AND M 331) ... see details on page A-143

PRANS/PGM 331	BTN	RANGE	DEFAULT
CH REGISTER REO - determines if the LM will attempt registration with the CM; must be set to ON for proper registration.	1	0:Off 1:On	On
CH IP ADDRESS This field defines the IP address of the CM that will be Ged by the LM.	2	IPv4 address	0.0.0.0
PKTS PORT In the TNET environment, the IP KTS protocol ignaling UDP port is defined; at present, this field is not used, do not change this port number.	3	0001-9999	5588
CH TOTAL PORT 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.	4	000-999	000
POLLING COUNT This field defines the maximum polling failures an LM considers a WAN fault.	5	00-99	05
POLLING INTERVAL This field defines the interval time between LM to CM polling attempts.	6	00-99	02

# Fail-over PSTN Attribute (TRANS/PGM 333) ... see details on page A-144

ANS/PGM 333	BTN	RANGE	DEFAUL T
ENABLE FOR N Determines if Fail-over operation is enabled or Sabled from the CM or LM.	1	0:Off 1:On	-
INIT FOR STN TABLE Determines how to initialize the FO	2	-	-

3-202 System Networking

time		Chapter 3: Syste	m Features
TRANS/PGM 358	BTN	RANGE	DEFAUL T
FoPSTN Attributes	3	1-100 (MBX IP-100) 1-200 (MBX IP-300)	-
FoPSTN NUM PLAN Station numbers associated with the remote System.	3-1	Max 16	-
FoPSTN COROUP 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 of the Popstn Tel NUMBER Determines the telephone number	3-2	1-24 (MBX IP-100) 1-72 (MBX IP-300)	-
FoPSTN TEL NUMBER 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.	3-3	Max 10	-

T-Net Board Attributes (TRANS/PGM 334) ... see details on page A-145 IP Phone T-Net Enable (TRANS/PGM 335) ... see details on page A-145

Numbering Plan

T-NET Login/Logout Code (TRANS/PGM 113) ... see details on page A-20

BTN	FEATURE (TRANS/PGM 113)	REMARK
84	T-Net Log-In/Out	586

**HARDWARE** 

**VOIB MBX IP System** 

#### Distributed Control Network

In the Distributed Control Network, each System maintains control over the devices registered to it. Networked systems communicate allowing other networked systems access to resources over the network.

In addition, other features and functions as detailed in the following sections of this manual are available to users provided by a distributed network environment. The System permits remote access to various resources through registered gateway Modules and Terminals.

In addition, the System will request access to resources of remote systems. A user-dialed number is analyzed and the call routed according to the NET Numbering Table. Should the main path fail to respond, the System re-routes the call employing the designated Alternative Speed Dial route.

The System supports 2 standard protocols (QSIG over ISDN, and H.450 over IP), for basic networking functions. QSIG employs ISDN PRI channels only with support for ESTI standards ETS 300-237/238/256/257/260/261/361/362/363/364.

#### CONDITIONS

- To use the networking features, software lock-key installation is required; there are two types of software lock-keys, for QSIG-based networking, and VOIP-based networking.
- Unified Dialing Plan (UDP) specifies that each Station can have a unique number up to 8 digits in the Networked Systems, depending on the Numbering Plan.
- An Alternative Speed Dial route can be used to place a call, but is not a Networked call, so Distributed Control Network features are not available.

#### **OPERATION**

Operation of Distributed Networking is automatic when configured and defined.

#### ADMIN PROGRAMMING

#### Numbering Plan

System Numbering Plan (TRANS/PGM 111) ... see details on page A-16

TRANS/PGM 111	BTN	RANGE	REMARK
PREFIX CODE leading preceding digits of some numbering plan code.	1	1-8 digits	Prefix code length + more digit can be 8 at max.
MORE DIGITS number of digits following the Prefix code.	2	(0-4)	

#### Voice Network

Voice Network (TRANS/PGM 320) ... see details on page A-141

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0: Off 1: On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0: Off 1: On	On
NET CONP ENABLE Reserved for future usage.	3	0: Off 1: On	Off

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0: UUS 1: FAC	UUS
NET CC RETAIN 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.	5	0: Off 1: On	Off
BLF USAGE Used to set Networking BLF service.	6	0: Off 1: On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

## Voice Network Numbering Plan (TRANS/PGM 321) ... see details on page A-142

TRANS/PGM 321	BTN	RANGE	DEFAULT
NUMBER TYPE Select Number Type	1	0: Net 1: Transit	Net
NUM PLAN CODE 'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	2	8 digits	-
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0: Off 1: On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock).	6	0: Overlap 1: Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking.	8	-	0.0.0.0

TRANS/PGM 321	BTN	RANGE	DEFAULT
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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.	10	0: Off 1: On	On

#### Net Call

A Station user can make a call to a Station on another System by dialing just the Station number, as an Intercom call within the same System.

#### CONDITIONS

- Net call must be used without seizing a CO line.
- User hears an error tone if there is no idle networking path.
- In spite of ICM mode, the called party receives a ringing signal for Net Calls.
- When the System detects a fatal error from the Network, the System sends digit streams to the Network using the Alternate Dial bin (not a Net Call).
- The CO Call Restriction Timer is also applied to Net Call (TRANS/PGM180 FLEX 14).

#### **OPERATION**

To configure Net Call Numbering Plan programming:

Press [TRANS/PGM] + 111 (Prefix Code) + (1) + Prefix code for Networking Numbering + [HOLD/SAVE]

To perform a Net Call:

- Lift Handset or press the [SPEAKER] button; dial tone will be provided.
- Dial a Station number on another System, or press the {NET DSS} button for the other System.
- The Station seizes the network CO Line according to the Net Routing Table, and the System sends a modified digit stream.
- 4. The called System receives a digit stream sent by the Calling Party, and analyzes it using the net routing table to determine the right destination, sending it to the Called Party (ring signal).

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Chapter 3: System Features

5. When Net Call is established, a network CO Line is used; when Net Call is cleared, the network CO Line is released.

6. The [Network CO] button LED will be extinguished when Net Call is cleared.

### **ADMIN PROGRAMMING**

## Numbering Plan

System Numbering Plan (TRANS/PGM 111) ... see details on page A-16

TRANS/PGM 111	BTN	RANGE	REMARK
PREFIX CODE leading preceding digits of some numbering plan code.	1	1-8 digits	Prefix code length + more digit can be 8 at max.
MORE DIGITS number of digits following the Prefix code.	2	(0-4)	

#### CO Line Data

CO Line Attribute (TRANS/PGM 160) ... see details on page A-45

TRANS/PGM 160	BTN	RANGE	DEFAULT
CO TYPE Displays physical line type of selected CO line.	1	Display Only	-
SVC TYPE Set CO line type as DID or Normal.	2	0:Normal 1:DID	Normal
OUTGOING GRP NO Set CO Group Number to apply to outgoing calls.	3	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01
INCOMING GRP NO Set CO Group Number to apply to incoming calls.	4	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01
TENANT NO Set Tenant group number to apply to CO lines.	5	1-9 (MBX IP-300) 1-3 (MBX IP-100)	1
DGT CONVERT TBL Set Digit Conversion Table index.	6	1-9	2
SIGNAL TYPE Set Answer Signal Type.	7	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	No Signal

System Networking

TRANS/PGM 160	BTN	RANGE	DEFAULT
RLS TIMING 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.	8	0: First Release 1: Caller Release 2: Called Release	First RLS
INC/OUT MODE Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	9	0: Incoming Only 1: Outgoing Only 2: Allow Both	Both
DIALING TYPE Signal type can be selected; DTMF, Pulse, R2MFC.	10	0: DTMF 1: PULSE 2: R2	DTMF
CHARGE MODE 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.	11	0: Free 1: Report	Report
METERING TYPE 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.	12	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)	None

## CO Line Attribute (TRANS/PGM 161) ... see details on page A-46

TRANS/PGM 161	BTN	RANGE	DEFAULT
CO SERVICE MODE Determines if SIP/PRI, H.323/BRI or Qsig is selected for each VOIP(or ISDN) lines.	1	1: SIP/PRI 2: H.323 3: Qsig 4: T1 PRI 5: T1 Qsig	SIP/PRI
DROP TYPE LCO line drop type.	2	0:Loop 1:Polarity Reverse	Loop
FLASH TYPE LCO line Flash type.	3	0:Loop 1:Ground	Loop
FLASH TMR CO Flash Timer.	4	001-300	050
OPEN LOOP TMR Open Loop Timer.	5	00-20 (100ms base)	00
LINE LENGTH LCO line length.	6	0: 0km 1: 3km 2: 5km 3: 7km	0km
ZONE NO Zone number of CO lines.	7	1-9	1
PROMPT LANGUAGE VMIB Prompt Index.	8	1-3	1
GAIN TABLE IDX Determines Gain Table for CO line.	9	1-3	1

#### Station

CO/IP Group Access (TRANS/PGM 150) ... see details on page A-43

#### Voice Network

Network Basic Attribute (TRANS/PGM 320) ... see details on page A-141

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0:Off 1:On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0:Off 1:On	On

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET CONP ENABLE Reserved for future usage.	3	0:Off 1:On	Off
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0:UUS 1:FAC	UUS
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

## Network Numbering Plan (TRANS/PGM 321) ... see details on page A-142

TRANS/PGM 321	BTN	RANGE	DEFAULT
NUMBER TYPE Select Number Type	1	0:Net 1:Transit	Net
NUM PLAN CODE 'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	2	8 digits	-
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0:Off 1:On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0:Overlap 1:Enblock	Overlap

TRANS/PGM 321	BTN	RANGE	DEFAULT
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0:Off 1:On	On

#### **Net Transfer**

A Station User can transfer any kind of CO call to a Station on other systems by pressing the [TRANS] button and dialing a transfer destination Station, as a Call Transfer within the same system. There are two kinds of Transfer, Screened and Unscreened.

There are two kinds of standard transfer method in QSIG and H.450; Transfer by Join and Transfer by Rerouting. The main difference is how the connecting path is controlled between the transferring and transfer destination Stations. Transfer by join uses an additional connecting path for transferring the call to another station. Transfer by rerouting, uses a new connecting path to transfer the call and the old connecting path of transferring station is cleared.

#### CONDITIONS

- If both of the transferred and destination Stations are located on the same system, the networking path is cleared; the transfer call will be setup as an Intercom call.
- The Transfer will be canceled when the transferring Station User presses the flashing [CO line access code] or [TRANS] button.
- Net Transfer calls do not recall at the origination Station.
- The User will hear an error tone if the Networking Path is unavailable.
- Net transfer is not activated at a Busy station.

#### **OPERATION**

To perform a Screened Transfer to another Station on a different Networked System:

- FÈ Ú¦^••Ás@ÁŠ/ÜCŒDÙáÁs`co[}ÁsæÁsÁÛcæáā[}Ási`¦ā,\*ÁsæÁÔUÁŠā,^Ás[}ç^¦•æáā]}LÁs@ÁÔUÁjā,^ÁsiÁ ]|æsk^åÁj}ÁÒ¢&|`•ãç^ÁP[|åÈÁ
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- IÈ Pæ) \*Ë]Á[Á&[{]|^♂Ás@^Ádæ)• △\ÈÁ

To perform an Unscreened Transfer to another Station on a different Networked Station:

- FÈ Ú¦^••Ás@ÁŠ/ÜCŒDÙáÁà` cq[}ÁsæÁsAÛcæáāj}Áå`¦āj\*ÁsæÁOUÁŠāj^Ás[}ç^¦•æáāj}LÁs@ÁÔUÁjāj^Áā;Á ||æsk^åÁj}ÁÖ¢&|`•ãç^ÁP[|åÉÁ
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#### **ADMIN PROGRAMMING**

Numbering Plan

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#### CO Line Data

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## CO to CO Attribute (TRANS/PGM 179) ... see details on page A-60

TRANS/PGM 179	BTN	RANGE	DEFAULT
STATION OUTGOING CALL TRANSFER while stations are connected to outgoing CO call of first CO Group, the station can transfer the call to second CO group.	1	0: Off 1: On	On
OUTGOING CALL TRANSFER while ATD is connected to outgoing CO call of first CO Group, the ATD can transfer the call to second CO group.	2	0: Off 1: On	On
OUTGOING CALL TRANSFER RELEASE TYPE if outgoing CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	3	0: None 1: Release after Release Timer	None
OUTGOING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnecting, a warning tone is provided.	4	000-300 (sec)	060
INCOMING CALL TRANSFER DIRECTLY if this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	5	0: Off 1: On	Off
STATION INCOMING CALL TRANSFER while stations are connected to incoming CO call of first CO Group, the station can transfer the call to second CO group.	6	0: Off 1: On	On
ATD INCOMING CALL TRANSFER while ATD is connected to incoming CO call of first CO Group, the ATD can transfer the call to second CO group.	7	0: Off 1: On	On
INCOMING CALL TRANSFER RELEASE TYPE If incoming CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	8	0: None 1: Release after Release Timer	None
INCOMING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnected, warning tone is provided.	9	000-300 (sec)	060

## Voice Network

## 

VÜŒĐÙĐÚÕTÁHŒ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
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WÖÚÁÚUÜVÁØUÜÁÓŠØÁŒÁWÖÚÁÚ[¦œÁ[¦Á^}åä]*ÁÓŠØÁ;^••æ*^Áq ÁÓŠØÁ Tæ)æ*^¦È	Ì	J <del>€€€</del> ËJJJ	J€€F
ÖWÜCE/OUÞÁUØÁÓŠØÁÙVÙÆËÄÖˇ¦æaā[}Á[¦Á:^}åā]*Ás@ÁÓŠØÁ;ææč•Á { ^••æ*^Át[Á;@ÁÓŠØÁÙ^¦ç^¦È	J	€FËJ	F€
ÓŠØÁT ŒÞŒÕÒÜÁŒÁŒÁŒÁŒÁ¦^••Á;-ÁÓŠØÁÙ^¦ç^¦Á•^åÁ;} ^Á; @}Á∈Á TÓŸÁŒÁ;A&[}-ã*¦^åÁ;ã®Á;œG¦Á^•¢^{•Á;¦ÁX[&^Á⊳^ç,[¦\ã]*Á ÇÜ^•^¦ç^åŒÉ	F€	Ë	€ÈÈÈÈ

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VÜŒÞÙÐÚÕT ÁHCF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞWT ÓÒÜÁ/ŸÚÒÆŒÛ^ ^&ÁÞ~`{à^¦Á/^]^	F	€Mo^c FKV¦æ)•ão	Þ^c
ÞWTÁÚŠŒÞÁÔUÖÒÆËÆÓÓÓ, ^æ)•Áæ)^ÁáããeÁ&æ)Áa^Áaj•^¦¢åÁa^ç,^^}Á ∉ËJĚÆÇÌ^ ^&ÆÁTWVÒÄÁa°cQ;}ÁqÁaj]°ŒÝŪÈ	G	Ì Ásaðt ão•	Ë
ÔUÁÕÜUWÚÁÞUÁŒÖÜUÁŐ¦[ˇ]ÁÞˇ{ à^¦	Н	€FË G	Ë

TRANS/PGM 321	BTN	RANGE	DEFAULT
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0:Off 1:On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0:Overlap 1:Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0:Off 1:On	On

#### **Identification Service**

When a user makes a Net Call, the System provides the name registered at the Station to the Called Party between Systems.

#### **OPERATION**

If set, CNIP operation is automatic.

#### **ADMIN PROGRAMMING**

Numbering Plan

System Numbering Plan (TRANS/PGM 111) ... see details on page A-16

TRANS/PGM 111	BTN	RANGE	REMARK
PREFIX CODE leading preceding digits of some numbering plan code.	1	1-8 digits	Prefix code length + more digit can be 8 at max.
MORE DIGITS number of digits following the Prefix code.	2	(0-4)	

## Voice Network

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VÜŒĐÙĐÚÕTÁHC€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞÒVÁÐÞŒÓŠÒÆŒÓ}æà ^ÁÞ^ç[¦\āj*Á*}&æāj}È	F	€KU~ FKU}	U~
ÞÒVÁÔÞŒÁÒÞŒÁŠÒÆŒÁ'Æ, ^Á, -ÁœÁ&æd∄*Áræá;}ÆrÁ^}ơÁ;Ár@Á &æd¦^åÁÙ^•ơ{Æà^ç,^^}ÁTÓÝÆŒÁ^•ơ{•ÈÆÔÞŒÆá;}Ærá] æ^åÆæÆÆ &æd ^åÁjæċÂÜææã;}•Æáã] æÆæ^åÁ;}ÆæA;![*¦æ{{ð;*È	G	€KU~ FKU}	U}
ÞÒVÁÔUÞÚÁÒÞŒÓŠÒÆŒÜ^•^¦ç^åÁĮ¦Ářč¦^Á•æ*^È	Н	€KU~ FKU}	U~
ÞÒVÁÙOÕÞCEŠÁTÒVPUÖÆËÄÙ^ ^&oÁs@ÁŞ-{¦{æaā[}Ár ^{^}oÁc]^Á;¦Á ÛÙÕÕÁ*]] ^{^}œa^Ár^ çã&^Á;^•∙æ*^È	I	€KWWÙ FKØŒÔ	WWÙ
ÞÒVÁÔÔÁÜÒVOSEÞÁĒÄQÁœáÁça;^ÆáÁ^cÁţÁJÞÉÁœÁð;að;*Á;ÆædÁ 8[{] ^cā[}Á^œááÁ;[å^ÆáÁ¢^&`c^åÈM•^åÁ;[Á,^ç[;\ð]*Á •`]] ^{^}cæf^Áð]æð;*Ác]^Á;ÁœÆkæd Æ[{] ^cā[}È	ĺ	€KU~ FKU}	U~
ÓŠØÁNÙŒÕÒÆËÄN•^åÁĘÁ·^ơÞ^ç[¦\ā]*ÁÓŠØÁ·^¦çæ?È	Î	€KU~ FKU}	U~
VÔÚÁÚUÜVÁØUÜÁÓŠØÁÜÄVÔÚÁÚ[¦óÁ[¦Á^}åā]*ÁÓŠØÁ;^◆••æ*^Á[ÁÓŠØÁ Tæ)æ*^¦È	Ϊ	J€€€ËJJJ	J <del>€€</del> €
WÖÚÁÚUÜVÁØUÜÁÓŠØÁŒÁVÖÚÁÚ[¦œÁ[¦Á^}åā]*ÁÓŠØÁ;^••æ*^Áq ÁÓŠØÁ Tæ)æ*^¦È	Ì	J€€€ËJJJ	J€€F
ÖWÜCE/OUÞÁUØÁÓŠØÁÙVÙÆËÄÖˇ¦æã[}Á[¦Á:^}åã]*Ás@ÁÓŠØÁ:ææč•Á { ^••æ!^Át[Á:@ÁÓŠØÁÙ^¦ç^¦È	J	€FÜJ	F€
ÓŠØÁT ŒĐŒÕÜÁÐÁŒÁÐÁŒÁÀ ÃŒÁ AÓŠØÁÙ^¦ç^¦Á•^åÁ;} ^Á;@}ÁÆÁ TÓŸÁÐÁÆÁ&[}-ã*¦^åÁ;ãØÁ;ŒØ¦Á^•¢^{•Á{¦ÁX[&^ÁÞ^ç[!\ð]*Á ÇÜ^•^¦ç^åŒÉ	F€	Ë	€Ì <b>€Ì€Ì€</b>

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VÜŒÞÙÐÚÕT ÁHCF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞWT ÓÒÜÁYŸÚÒÁŒÄÛ^ ^&óÁÞ`{ à^¦Á^]^	F	€Mo^c FKV¦æ)•ão	Þ^c
ÞWTÁÚŠŒÞÁÔUÖÒÆŒÁÓÓ Á; ^æ) • Áæ) ^ Áæð í Áæð Áæð Áæð Áæð • ^ ¦ ø° å Áæð ç ^^} Á €ËJEÁÇÌ ^   ^ & ÁTWÒÄÁE` α[} Ág Áş] ` ΦÝ DÈ	G	ÌÁsaðtãne	Ë
ÔUÁÕÜUWÚÁÞUÁŒÖUÁÕ¦[ˇ]ÁÞˇ{ à^¦	Н	€FË G	Ë

3-217

TRANS/PGM 321	BTN	RANGE	DEFAULT
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0:Off 1:On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0:Overlap 1:Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0:Off 1:On	On

## **Call Completion**

There are two kinds of Call Completion:

- Completion of Calls to Busy Subscribers (CCBS) After calling a User on another System using basic call and encountering a busy tone, a Station-user can be notified when the busy destination of another system becomes idle. If the user wants to make a call to the destination when that notification is received, the call can be reinitiated to the destination of the other system again.
- Completion of Calls on No Reply (CCNR) After calling a User in another System using basic call and encountering No Reply (No Answer), the caller can set to be notified when the destination becomes idle again. If the caller wants to make a call to the destination when notification is received, the call can be reinitiated to the destination on the other System again.
- CONDITIONS
- A stand-alone IP Phone that supports H.450 can activate Call Completion.
- A station can leave or have only one callback message, and a new request will be left as a message wait indication on the busy Station.

- ″ ΟΕΑς[a&^A;^••æ\*^A&æa)}[αΑα^A/^-∞Ανς^}Aσ@`\*@As@AXTΟΦΕΧÙØΑσΕΑβ,•ααψ|^åAsæAsα4)[&æφΑ Ù^•α^{ΕΑ
- ″ V@\'^Ásde^Ás; [Á; [å^•KÁÔ[}}^8&a[; ÁT [å^Ásd; åÁÔ[}}^8&a[; ]\^••ÁT [å^LÁs@á Ás∂á; Ás^Ás^ÁsæÁ VÜŒDĐÙĐÚÕTÁHŒ€ÆŒØŠÒÝÁÁ, ÈÁ

#### OPERATION

To perform a CCBS (Call Back):

FÈ Öã dÁ AÛ CŒ À LÀ Á AÓ Á CO ¦ÂÛ • C \ ÉÁ

QÈ Y @} ÁsaÁs \* ^ Áf} ^ Ás Á^&^ ãç^ å És@ ÁN\*^! Á&æ) Á ão@ ¦ ÉÁ

(2aĐÁÚ¦^••Ás@^ÁŠÔOEŠŠÓSáÁà cd; }Ê

Qa DÁÚ¦^••ÁÃ/ÜŒÞÙáÁa`œ[}Áæ) åÁáaãæþÁ,Ôæ|ÁÓæ&\ÁÜ^\*ãr¢\¦ÁØ^æč¦^ÁÔ[å^¤ÊÁ OR

Q&D/Ö āæþÁs@ Á Ôæþ EÓæ&\ Ásiði ãsÁ ^ cÁse Á/^} æþ cÁQ c^¦ &[ { ÁÓ` • ^ ÁU} ^ EÖði ãsÁ ^ ¦çã&^ È

 $\begin{array}{ll} \textbf{HE} \hspace{0.2cm} & \hspace{0.2cm}$ 

IÈY@}Ás@Áa`•^Áncæaā[}Á^č¦}•Áq[Áā]^LÁs@Á;¦ãtā;æq[¦Á;ā]Á^&^āç^ÁæÁÓæ|ÁÓæ&\Áā;\*È

 $\hat{\textbf{E}} \ \ Y \ @ \} \ \hat{\textbf{A}} \otimes \hat{\textbf{A}} \ \hat$ 

#### ADMIN PROGRAMMING

Voice Network

Þ^c, [¦\ÁÓæ ð&ÁŒd ðà č^ÁQVÜŒ ÞÐÚÕTÁHŒÐÁÑ Á ^^Áå ^æð ‡ Á;}Á;æ \* ŒË IF

VÜŒÞÙÐÚŐTÁHG€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞÒVÁÒތӊÒÁŒÄÒ}æà ^ÁÞ^ç[¦\āj*Á`}&aāj}È	F	€KU~ FKU}	U~
ÞÒVÁÔÞŒÁÒÞŒÓŠÒÆĒÁV@Áæ;^Á;ÁæÆæÞjā;*Áææ£;}ÆæÁ^}ôÆ;Ás@Á 8æJ^åÁĴ^•æ{Ás^ç,^^}ÁTÓŸÁŪÁ^•æ{•ÈÄÔÞŒÁæÆæ£;]æ^åÁææÆ@Á 8æJ^åÁjæċÂÛææā;}•Æsã]]æÆæ^åÁ;}ÁæÆÁ;![*¦æ;{āj*È	G	€KU~ FKU}	U}
ÞÒVÁÔUÞÚÁÒÞŒÓŠÒÆŒÜ^•^¦ç^åÁ[¦Á;č¦^Á•æ*^È	Н	€KU~ FKU}	U~
ÞÒVÁÙÕÕÞŒŠÁTÒVPUÖÁËÄÙ^ ^&Á®Á∮;{¦{æái}}Ár ^{^}ó€]^Á;¦Á ÛÙÕÁ*]] ^{^}œ∂Á^!çæ8^Á;^••æ⁵^È	I	€KWWÙ FKØŒÔ	WWÙ

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

## Network Numbering Plan (TRANS/PGM 321) ... see details on page A-142

TRANS/PGM 321	BTN	RANGE	DEFAULT
NUMBER TYPE Select Number Type	1	0:Net 1:Transit	Net
NUM PLAN CODE 'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	2	8 digits	-
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0:Off 1:On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0:Overlap 1:Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0

VÜŒÞÙÐÚÕTÁHŒF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ÓŠØÁÙŸÙVÒTÁÚUÜVÁËËÄNÖÚÁ;[¦œÁ;¦Ár^}åā;*ÁÓŠØÁ;^••æ*^Á;ÁÓŠØÁ Tæ)æ*^¦È	J	Ë	JÍ <b>€</b> €
②〇〇〇〇 CEŠŠÁÜUWW Q Õ ÁEÄÜ^  & AÓOÚÁæåå ^••ÁÇÆÅ¸ æ ÁÓÚÁæåå ^••Á¸ lÁ   Þ[] Ëã^¸ æ ÁÓÚÁæåå ^••DĂQÁ©ÆÅ^•CÀ ææã] À Â^•C^{ ÆæÁÐ Áæ{ ^ÁXÚÞÁ   C@} Áæ[] Ëã^¸ æ ÁÓÚÁæåå ^••Á@ˇ åÁa^Á^} ŒĂUC@!¸ã^Á@Áã^¸ æ ÁÓÚÁæåå ^••   U ②②MÁÛ/} åÁæ[] Ëã^¸ æ ÁÇÇC'  æ ÁÓÚÁæåå ^••	F€	€KU~ FKU}	U}

## Numbering Plan

VÜŒÞÙÐÚÕT ÁFFF	ÓVÞ	ÜŒĐÕÒ	ÜÒT ŒÜS
ÚÜÒØÓÁÔUÖÒÆÄ^æåā,*Á,¦^&^åā,*Æåããæn,-Á[{^Á }`{à^¦ā,*Á, æ,Æ{a,*É	F	FÊLÂ&ATî	Ú¦^-ã¢Á&[å^Án}*c©ÁEÁ;[¦^Á åããÁxAæ)Áà^ÀÁædó;æ¢ÈÁ
TUÜÒÄÖÕÕQVÙÆËÄ, `{à^¦Á;ÁåããæÁ;  [¸āj*Ás@Á Ú¦^ã¢ÁS[å^È	G	Ç€ËD	

Ø^æč \^Áp^{ { à^\}ā, \*ÁÚ|æ}ÁÇVÜŒĐÙĐÚÕTÁFFHDÁSÁ^^Á\$^ææ‡•Á;}Á;æ\*^ ŒËÏ System

Q,e^; &[ { ÁÓ` • ^ Áu} } ^ EÖât ãxÁu^; çãx^ÁQVÜ QĐE Ù ĐÚÕ T ÁGHĪ DÁS Á; ^ ^ Ás^ cæát• Á; } Á; æt ^ Q## €F

VÜŒĐÙĐÚÕT ÁCHÏ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙVÒÚÁÔŒŠŠÁŒÃA^&¦{ ¼^^•ÆÁÛ&]ÁÔæ ÆaÁ\}æà ^åÁ;¦Æáãæà ^åÈ	F	€M/Öãræà ^ FM/Ö}æà ^	Öãræà ^

TRANS/PGM 237	BTN	RANGE	DEFAULT
DIGIT 1 when accessing a busy tone, User may dial for one of the one-touch services.	2		0: N/A
DIGIT 2	3		
DIGIT 3	4	0: N/A 1: Call-Back 2: Camp On 3: Call Wait 4: Voice Over	
DIGIT 4	5		
DIGIT 5	6		
DIGIT 6	7		
DIGIT 7	8	5: Intrusion	
DIGIT 8	9	6: Hunt	
DIGIT 9	10		
DIGIT 0	11		
DIGIT *	12		Call Wait
DIGIT #	13		Voice-Over

#### Call Offer

A busy user on one node can be given notification that another call is waiting from another node. It is similar to the Camp-On function.

#### CONDITIONS

- Call Offer is only applied to a Station that in Busy status.
- During Conference or Paging, Call Offer is not activated.
- The System does not support the standard QSIG specification path reservation mode.

#### **OPERATION**

#### To activate Call Offer:

- 1. Dial a Station number on another System; when busy tone is received, press the [Call Wait] button, or {Call Wait Feature Code}.
- 2. The Busy Station will receive an Off-Hook Muted Ring; the calling station will hear a ring-back tone instead of a busy-tone.

To answer the Call Offer:

FÈ Ú¦^••Áx@ Á|æ•@a,\*ÁÔUÁ|a,^Áa`cq[}Á, @a/Á^&^açā,\*ÁæÁ, čo°åÁa,\*ÉÁ OR

CÈ V@ Á; čo å Áā; \* Æ; Æ&@æ) \* ^ å Át; ÆæÁ; [ | { æþÁÔU Áā; \* Ác@ Á&` | | ^ } oÆæþ Áā; Æ; } } ^ &c^ å LÁc@ Á
[ ~~ | ^ å Ææþ Ác@} Ææ¢) Æ; ^ | ^ | ^ å ÆÁ

#### ADMIN PROGRAMMING

Voice Network

Þ^c, [¦\ÁÓæ æðÁðæd æð c^ÁQVÜŒÐÙÐÚÕTÁHG€DÁS Á\^^Á&^ææ∳Á;}Á,æ\*^ŒHF

VÜŒDÙÐÚÕTÁHG€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞÒVÁÒތӊÒÁŒÓ) æà ^ÁÞ^ç [¦\āj*Á`}&aā[}È	F	€KU~ FKU}	U~
ÞÒVÁÔÞŒJÁÒÞŒŠÒÆĒÁV@Áæ; ^Á; Áæ@Á&ædjā; *Áææá; }ÆæÁ^}æá; ÁææÁ &ædj^åÁÙ^•æ{ Áà~ç ^^}ÁTÓŸÁŪJÁ^•æ{ •ÈÄÔÞŒJÁæÃ; ]æ^åÁææÁ@Á &ædj^åÁjæċÂÜææā; }•Ááã; ]æÆáæ•^åÁ; }ÁæÆÁ;   *  æ{ { ā; * È	G	€KU~ FKU}	U}
ÞÒVÁÔUÞÚÁÒތӊÒÁŒÄÜ^•^¦ç^åÁ[¦Á;č¦^Á.•æ*^È	Н	€KU~ FKU}	U~
ÞÒVÁÙÕÕÞŒŠÁTÒVPUÖÁŒÄÙ^ ^&Á®Á¸;;{æã;}Á° ^{^}ó\$;]^Á;¦Á ÛÙÕÁ*]] ^{^}œ∂^Á^!çæ8^Á;^••æ⁵^È	I	€KWWÙ FKØŒÔ	WWÙ
ÞÒVÁÔÔÁÜÒVŒÐ ÆÆÆÁÁœá Áçæ; ^Ás Án ^Áqá[ÁUÞÉÁœ Á; ā} æḍā * Á; ÁsæļÁ &[{] ^aā}Á^œáàÁ; [å^Ás Án ¢^& ch åĚÁM•^åÁ; ¦Á,^ç [¦\ā] * Á •`]] ^{ ^}œá^Á;ā}æþā *Ás]^Á;Áœ ÁsæþÁs[{] ^aā}È	ĺ	€KU~ FKU}	U~
ÓŠØÁNÙŒÕÒÆŒÁN^^åÁ[Á^^ÁÞ^ç[¦\ā]*ÁÓŠØÁ^¦çæ^È	Î	€KU~ FKU}	U~
VÔÚÁÚUÜVÁØUÜÁÓŠØÁĒĒÁVÔÚÁÚ[¦ơÁ[¦Á^}åā]*ÁÓŠØÁ; ^••æ*^Á[ÁÓŠØÁ Tæ)æ*^¦È	Ϊ	J€€€ËJJJ	J <del>€€€</del>
WÖÚÁÚUÜVÁØUÜÁÓŠØÁĒĒÁNÖÚÁÚ[¦óÁ;¦Á^}åā;*ÁÓŠØÁ;^••æ*^Á;ÁÓŠØÁ Tæ)æ*^¦È	Ì	J <del>€€€</del> ËJJJ	J€F
ÖWÜCE/OUÞÁUØÁÓŠØÁÙVÙÁEÄÖˇ¦ææā[}Á[¦Á^}åā]*Ás@ÁÓŠØÁrææĕ•Á { ^••æ*^Ás[Ás@ÁÓŠØÁÛ^¦ç^¦È	J	€EÜJ	F€
ÓŠØÁT ŒÞŒÕÒÜÁÐÁŒÁÐÁÆÁÐÁÆÁÁ-ÁÓŠØÁÌ^¦ç^¦Á•^åÁ;} ^Á, @}ÁÆÁ T ÓÝÁÐÁÆÁ;}-Æ*¦^åÁ, æ@Á;c@¦Ár^•ơ{•Á;¦Áx[&^Ár^ç;[¦\ã;*Á ÇÜ^•^¦ç^åŒ	F€	Ë	€ÌÈÌÈÌÈ

## Network Numbering Plan (TRANS/PGM 321) ... see details on page A-142

TRANS/PGM 321	BTN	RANGE	DEFAULT
NUMBER TYPE Select Number Type	1	0: Net 1: Transit	Net
NUM PLAN CODE 'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	2	8 digits	-
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0: Off 1: On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0: Overlap 1: Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0: Off 1: On	On

## Numbering Plan

## System Numbering Plan (TRANS/PGM 111) ... see details on page A-16

TRANS/PGM 111	BTN	RANGE	REMARK
PREFIX CODE leading preceding digits of some numbering plan code.	1	1-8 digits	Prefix code length + more digit can be 8 at max.
MORE DIGITS number of digits following the Prefix code.	2	(0-4)	

Ø^æc` |^Áp` { à^|āj \* ÁÚ|æj ÁÇVÜŒÞÙĐÚÕT ÁFFHDÁS Á ^^Ás^œa‡• Á;} Á;æt^ ŒËFÏ Á System Data

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ÙVÒÚÁÔŒŠŠÁŒÃA^&¦{ ¾ ^•ÁAÁÛ&]ÁÔæ ÆaÁ\}æà ^åÁq;Áããææà ^åÈ	F	€M/Öãræà ^ FM/Ö}æà ^	Öãræà ^
ÖÖÖQVÁFÁEEÁ, @}Áxs8&^••ā;*Áxxás`•^Áq;}^EAV•^¦Á;æíÁsaædÁ;¦Á;}^Á;~ c@Á;}^Eq;*&@Á^¦ça&v•È	G	€KÁP-EÐE FKÓ æHÉÓ æ&A GKÁÔ æ ( ]ÁU} HKÓ æHÁY æão: IKÁX[ā&^ÁUç^¦ ÍKÁQ d*•ã[} ÎKÁP*}c	€KÁÞEÐE
ÖŐŐVÁGÆË	Н		
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ÖŐÖQYÁ ÁEÉÁ	Î		
ÖŐ QVÂ ÆÄ	Ϊ		
ÖŐ QVÁ ÁEÁ	Ì		
ÖŐ QVÂ ÆÉÁ	J		
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ÖÕQVÆÆÄ	FF		
ÖÕQVÁTÄÄÄ	FG		ÔæļÁYæão
ÖŒŒĤĤŒĤ	FH		X[a&^ËUç^¦

#### **Net Conference**

Þ^ơÂÔ[} ~\^} &^Áōr Á¹^} \alpha \\ \

#### CONDITIONS

ËÁ T `|cāËjā,^Á&[}-^\^}&^Áaā,^ÁæiÁ,[cÁæi]|aðaÁi,}Á,^ç,[\\^åÁnEjæcĉÁ&[}-^\^}&^

#### **OPERATION**

To perform Net Conference:

 $\begin{array}{lll} \text{CE} & \text{V@-} \land \text{$\emptyset$} \text{ca} * \land \text{$\emptyset$} \text{ca} *$ 

System Networking

Chapter 3: System Features

- 3. Make a Net Call to another Station on another node.
- 4. Press the [CONF] button when the 3rd party answers.
- 5. The second call is placed on Hold and an ICM Dial tone is provided.
- 6. Press the [CONF] button again at the Master Station; all parties will be connected.

#### To clear a Net Conference:

- 1. Any Station in the Net Conference can hang-up during the conference.
- 2. After all parties disconnect, the net conference will be cancelled and the network path will be cleared.

#### ADMIN PROGRAMMING

### Voice Network

Network Basic Attribute (TRANS/PGM 320) ... see details on page A-141

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0:Off 1:On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0:Off 1:On	On
NET CONP ENABLE Reserved for future usage.	3	0:Off 1:On	Off
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0:UUS 1:FAC	UUS
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001

VÜŒÞÙÐÚÕTÁHŒ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
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ÓŠØÁT CEÞOEÕ ÒÜÁÐÚÁEÄÐÚÁÐÁÀ ÁÞÁÁ AÓŠØÁÙ^¦ç^¦Á•^åÁ;} ^Á, @}ÁEÁ T ÓÝÁÐÚÁBÁR[}-Æ*¦^åÁ, ÆÐÁ; ŒÐ¦Ár•e^{•Á[¦Áx[&^Ár^c;[¦\ā]*Á ÇÜ^•^¦ç^åIÈ	F€	Ë	€Ì€Ì€Ì€

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VÜŒÐÙÐÚÕTÁHŒF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
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ÞWTÁÚŠŒÞÁÔUÖÒÆËÁÝÓÁ, ^æ)•Áæ)^ÁsããæÁsæ)Ás^Ásj•^¦♂åÁs^ç,^^}Á €ËJÄÁÇÌ^ ^&ÁTWÒÄÁs`Œ[}Áq[Ás]] ŏÁÝDÈ	G	ÌÁsaðiðar	Ë
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OEÞÖÁÖÖÖÖ QVÁEEÄOEÞÖÁÇCE († { ææãkÁÞ^ç [¦\ÁÖãæ¢å]* DÁÖðt ác	I	F€Áåããão•	Ë
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ÓŠØÁÙŸÙVÒTÁWÁÆÄWÁŒå¦^••Á;ÁÓŠØÁÙ^¦ç^¦Á•^åÆ;} ^Á;@}ÁTÓÝÁ WÁÆÁ&[}-ã*;^åÅ;ão@{ide^•c*(•Á[¦ÁX[ã&^Áp^ç [¦\ā;*	Ì	Ë	€ <del>ÌÉÌÉ</del> È
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\(\Omega(\text{Omega}) \text{Omega} Om	F€	€ÁU~ FKÁU}	U}

# Message Waiting Indication (MWI)

Message Waiting Indication (MWI) is the same as Calling Line Indication (CLI) message wait service. On a normal ISDN call, a Station can leave a Message Wait for an unavailable station on another node (CLI message wait must be enabled). MWI is indicated by the CLI message on the Station LCD panel. Additionally, it can be supported by supplementary service (without CLI) by pressing the {MSG WAIT} button when the Net Call Ring-Back tone is received.

#### CONDITIONS

- MWI only can be registered at the Station hearing a ring back tone.
- MWI notification is displayed at the Called Station LCD.
- When the System presents the Call-Back according to MWI data, the CO Line is selected within the Network CO group.

#### OPERATION

To register and retrieve MWI:

- 1. Initiate a Net Call to another station on another node; the caller will hear a Ring-Back tone.
- 2. While hearing the Ring-Back tone, the caller can either,
  - a.) Press the [MSG/Callbk] button.

OR

- b.) Press the [TRANS] button and dial the {Message Wait Register Feature Code}.
- MWI is left to the called station, and a flashing [MSG/Callbk] button indicates the message waiting.
- 4. At the called Station, press the flashing [MSG/Callbk] button; the Calling Station number is displayed.

### ADMIN PROGRAMMING

#### Voice Network

Network Basic Attribute (TRANS/PGM 320) ... see details on page A-141

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0:Off 1:On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0:Off 1:On	On

VÜŒÞÙÐÚÕTÁHŒ	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÞÒVÁÔUÞÚÁÒÞŒÓŠÒÆŒÜ^•^¦ç^åÁ[¦Ářč¦^Á·æ*^È	Н	€KU~ FKU}	U~
ÞÒVÁÙÕÕÞŒŠÁTÖVPUÖÆÄÄÙ^ ^&Ás@Áş-{¦{æái}}Ár ^{^}oÁc]^Á;¦Á ÛÙÕÁ*]] ^{^}œ\$^Ár^¦çæR^Á;^••æ*^È	I	€KWWÙ FKØŒÔ	WWÙ
ÞÒVÁÔÔÁÜÒVOETDPÁŒÄGÁŒÀÁ¢æ¥^Á\$mÁ^cÁţÁÜÞÉÁŒÁå}æ4jā*Á¸Á\$æ4jÁ &[{] ^ca[}Á^œæ3jÁ;[å^Á\$mÁr¢^&*&*åÈAN*^åÁ;¦Áj^c;[¦\ðj*Á •`]] ^{{^}œæ3^Áå}æ4j³*Ás]^ÁjÁœA&æ4jÁ&[{] ^ca[}È	ĺ	€KU~ FKU}	U~-
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VÔÚÁÚUÜVÁØUÜÁÓŠØÁĒÉÁVÔÚÁÚ[¦ơÁ[¦Á^}åā]*ÁÓŠØÁ; ^••æ*^Á[ÁÓŠØÁ Tæ)æ*^¦È	Ϊ	J€€€ËJJJ	J€€€
WÖÚÁÚUÜVÁØUÜÁÓŠØÁĒĒÁVÖÚÁÚ[¦óÁ[¦Á^}åā]*ÁÓŠØÁ;^••æ*^Áq ÁÓŠØÁ Tæ)æ*^¦È	Ì	J€€€ËJJJ	J€€F
ÖWÜCE/OUÞÁUØÁÓŠØÁÙVÙÁEÉÄÖˇ¦æeā[}Á[¦Á:^}åā]*Ás@ÁÓŠØÁ;æeč•Á { ^••æt^Ás[Á:@ÁÓŠØÁÛ^¦ç^¦È	J	€FÜJ	F€
ÓŠØÁT ŒÞŒÕÒÜÁÐÁŒÁÐÁŒÁ¦^••Á; ÁÓŠØÁÙ^¦ç^¦Á•^åÁ;} ^Á; @}ÁEÁ T ÓÝÁÐÁÁÁŞ;}-ª*;^åÁ¸ãŒÁ;^@¦Á;°•ơ{•Á;¦ÁK[&^ÁÞ^ç;[¦\ā]*Á ÇÜ^•^¦ç^åŒ	F€	Ë	€ÌÈÌÈÈ

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VÜŒĐÙĐÚÕT ÁHCF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
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ÞWTÁÚŠŒÞÁÔUÖÒÆÆÁÝÓ, ^æ)•Áæ)^ÁæããæÁæa;Áæ^Á§•^¦♂åÆa^ç^^}Á €ËJÈÁÇÌ^ ^&ÁTWÒÄÉa`cq;}ÁqÁş]`ÓÁ*ÜÈ	G	ÌÁsaðfãn	Ë
ÔUÁÕÜUWÚÁÞUÁŒÃÔUÁÕ¦[ˇ]ÁÞˇ{ à^¦	Н	€FË G	Ë
OEÞÖÁÖOÐOVÁEEÄOEÞÖÁÇCE († { æsaðkÁp^ç [¦\ÁÖædð]*DÁÖðiðic	I	F€Áåããão	Ë
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System Networking 3-229

Chapter 3: System Features

TRANS/PGM 321	BTN	RANGE	DEFAULT
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0: Off 1: On	On

## Numbering Plan

System Numbering Plan (TRANS/PGM 111) ... see details on page A-16

TRANS/PGM 111	BTN	RANGE	REMARK
PREFIX CODE leading preceding digits of some numbering plan code.	1	1-8 digits	Prefix code length + more digit can be 8 at max.
MORE DIGITS number of digits following the Prefix code.	2	(0-4)	

Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17

# Net Call Forward (Unconditional/Busy/No-Answer)

A User can remotely forward to another Station immediately over the network. NOTE: The System supports both Rerouting and Join methods according to Admin. Programming.

#### **CONDITIONS**

- If both the Originating and Forwarded To Stations are located within the same System, the Networking Path will be cleared; the Forwarded Call will be setup as Intercom Call.
- The System does not check the status of the diverted-to station in DND, CFW or Empty.

### **OPERATION**

To activate Net Call Forward:

- FÈ ŠãoÁ@a) å•^dÃ(¦Á,¦^••Ás@ ÁŽÚ) ^aà ^¦áÁà c[} ÈÁ
- Œ ÖãædÁÞ^œÍÁØ[¦ ætåÁ&[å^æÉÁ
- HÈ ÖãædÁ€ÁQÜ^{ [c^ÁØ]¦ ædåDBÁ
- IÈ ÖãedÁs@ ÁÙcædā] ÁÞ { à^¦Ág Ág¦ æså Á&æd|•ÁQ^\*ã e^¦DEÁ
- ÍÈÒ} c^¦Ás@^ÁÙcæeā[}Ájæ•• [¦åÉÁ
- ÎÈ Ú¦^••ÁÞÁ;¦ÁÀÁ^^ÈÁ
- ÏÈ Ù^|^&αÁp^αÁÔæ|ÁΩ[¦¸æååÁ/ˆ]^ÁQFKW},&[}åããā[}æþÉŒHÓઁ•^ÉÉHHÞ[ÁΩΕ]•¸^¦ΦĚÁ
- ìÈ ÖãadÁs@ÁÞ^œÁÓædÁØ[¦¸æðåÁÙææã[}ÁÞˇ{à^¦Á[}Áæð;[œ@¦Á;[å^ÈÁ
- JÈ Ú¦^••Ás@ ÁÃPU ŠÖÐDÙOX ÒáÁa° cd; } ÉÁÁ

### To deactivate Net Call Forward:

- FÈ ŠãoÁ@e) å• ^ dÉÁ ¦ Á, ¦ ^• Áo@ ÁŠÙ] ^ æ\ ^ ¦ áÁà ˇ cd[ } ÉÁ
- Œ ÖãĐÁÞ^ơÔæ ÁØ ¦ æ åÁ& å^¤ÉÁ
- HÈ ÖãadÁ€ÁQÜ^{[c^ÁØ]¦ ælåDĚÁ
- IÈ ÖãchÁc@ ÁÙcæcā[}Áp~ { à^¦Á[Á[¦, æbåÁ&æh]•ÁÇ^\*ãrc^¦DÈ
- ÍÈ Ú¦^••ÁÆÁ¦ÁÀÁ^^È
- ÎÈÒ}c^¦Án@^ÁÙcæaā[}Ájæ∙¸[¦åÈÁ
- ÏÈ Ú¦^••Ás@•ÁÃOEXÒáÁà°co[}ÈÁÁ

#### ADMIN PROGRAMMING

### Voice Network

Þ^c, [¦\ÁÓæ æðÁŒdæð c^ÁÇVÜŒÞÙÐÚÕTÁHG€DÆ Á^^Á&^æ‡ Á;}Á;æ\* ^ ŒË F

VÜŒÞÙÐÚÕTÁHŒ€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞÒVÁÒތӊÒÁŒÁÒ}æà ^ÁÞ^ç[¦\āj*Á;}&aā;}È	F	€KU~ FKU}	U~
ÞÒVÁÔÞŒJÁÒÞŒŠÒÆĒÁV@Áæ;^Á;ÁæÆ\$æljā*Áææá;}ÆæÁ^}ơð;ÁæÁ 8ælj^åÁJ^•æ{Æà^ç,^^}ÆTÓŸÁŪÁ^•æ{•ĒÄÔÞŒJÆæã;]æ^åÁææÁ@Á 8ælj^åÁjæċÁÜææã;}•Æãã] æÆáæe^åÁ;}ÁæÆ;![*¦æ;{ã,*È	G	€KU~ FKU}	U}
ÞÒVÁÔUÞÚÁÒÞŒÓŠÒÆŒÜ^•^¦ç^åÁ[¦Á;č¦^Á•æ*^È	Н	€KU~ FKU}	U~

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0:UUS 1:FAC	UUS
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

# Network Numbering Plan (TRANS/PGM 321) ... see details on page A-142

TRANS/PGM 321	BTN	RANGE	DEFAULT
NUMBER TYPE Select Number Type	1	0: Net 1: Transit	Net
NUM PLAN CODE 'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	2	8 digits	-
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0: Off 1: On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0: Overlap 1: Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-

VÜŒÞÙÐŰÕTÁHGF	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÓŠØÂÙŸÙVÒTÁŴÁŒÄŴÁŒå¦^••Á;ÁÓŠØÂÙ^¦ç^¦Á•^åÁ;} ^Á; @}ÁTÓÝÁ ŴÆÁS[}-ã*'¦^åÅjãOØ;dœ%'Á^•ơ{•Á;¦ÁX[ã&^Á>^ç;[¦\ã;*	Ì	Ë	€ÈÈÈ
ÓŠØÁÜŸÙVÒTÁÚUÜVÁËËÄNÖÚÁ;[¦œÁ;¦Ár^}åā;*ÁŌŠØÁ;^••æ*^Á;ÁŌŠØÁ Tæ)æ*^¦È	J	Ë	JÍ €€
ØÜÒY ŒŠŠÁÜUWWΦÕĀĒÄV^ ^&cÁŪÁ±åå¦^••ÁØĀ¸ aḍÁŪÁ±åå¦^••Á; ÁÞ[}ĒĀ^¸ aḍÁŪÁ±åå¦^••Á; ÁÞ[}ĒĀ^¸ aḍÁŪÁ±åå¦^••ĒĀQÁ©Æ¾^•æ¾}Å^} æ¾ĀŪÁ±åå¦^••ÆÁ\ÜÞÁ c@}Æp[}Ēā^¸ aḍÆŪÁ±åå¦^••ÆØ¸ ¦åÆ^Á^} æ¾ĀŪÁ±å¦^••ÆØ¸ aḍÆŪÁ æåå¦^••Á@¸ ¦åÆ^Á^} æ¾ÆŪÁ±åå¦^•• UØØÆÛ/}åÆp[}Ēā^¸ aḍÁÇQ♂¦} æÞÆŪÁ±ååå¦^••	F€	€ÁÚ~ FKÁÚ}	U}

#### CO Transit-In

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#### CONDITIONS

- ËÁ Uˇo•ãã^Á&æq|^¦Á@ æd•Áædàiˇ•^Áq[}^Á, @}ÁædÞ^c; [¦\ā,\*ÁÚææ@Æa Á,[oÁæçæājææà|^Áa`¦ā,\*Á dæ)•ãuŽÁ
- EÁ OĐÁP^Ç [¦\ÁÔUÁŠā¸^ÁsrÁr^ã^åÁseč d[{ ææā8æd|^ÊÁse}åÁs@Ásæd|Á āļlÁs^Áslæ)•^^¦}^åÁq[Ás@Á Þ^Ç [¦\ÁÖ^•qā;ææā]}LÁs@Ás^•qā;ææā]}Á;āļlÁ^&^āç^Ásā;\*ā;\*Á;ās@ÁÔŠQÁ;[{ ÁÚÝĒÝQē¸^ç^¦Á c@Á;\*orās^ÁW•^¦Á;ā]lÁ@æáÁæÁÜā;\*ĒĎæ&kÁq[}^È

#### **OPERATION**

# CO Line programming:

QAS[}- $a^*$ '\^aBOUA'|æş•aEDA[\A[]^\æsa[}}Ase ({ æsaBAA

#### ADMIN PROGRAMMING

#### CO Line Data

ÔU ÁÔU ÙÁO ƯƯỢĐ Ù ĐÚ Ố TÁT Ï ĐỐS Á ^^ÁS^ CŒ Å } Á } Á æ ^ OŒ €

VÜŒ∋ÙĐÚÕTÁFÏÏ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖŒŸÁÔUÙÆŒÃÔUÁÓUÙÆĢÁÖæÁ; [å^È	F	€€ÏFÍ	€

3-233

TRANS/PGM 177	BTN	RANGE	DEFAULT
DAY COS CO COS in Night mode.	2	00-15	0
DAY COS CO COS in Timed mode.	3	00-15	0

## Voice Network

# Network Basic Attribute (TRANS/PGM 320) ... see details on page A-141

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0:Off 1:On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0:Off 1:On	On
NET CONP ENABLE Reserved for future usage.	3	0:Off 1:On	Off
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0:UUS 1:FAC	UUS
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

# Þ^c, [ |\ Áp` { à^\ a} \* ÁÚ|a) ÁQVÜ CŒ Ù ĐÚÕ T ÁH CŒ ĐÁS Á ^^ Á&^ cæap Á; } Á, æ\* ^ CŒ I G

VÜŒÞÙÐÚÕTÁHŒF	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÞWT ÓÒÜÁ/ŸÚÒÁŒÄÛ^ ^&óÁÞ~ { à^¦Á/^] ^	F	€KÁP^c FKÁV¦æ}•ão	Þ^c
ÞWTÁÚŠŒÞÁÔUÖÒÁËÐÁÝÓ, ^æ)•Áæ)^ÁsããæÁsæ)Ás^Ásj•^¦♂åÁs^ç,^^}Á ∉ËJÐÁÇÌ^ ^&AÁTWÒÄÁs`Œ[}Á[Ás]] ŏÁÝDÈ	G	ÌÁsaðiðar	Ë
ÔUÁÕÜUWÚÁÞUÁŒÖUÁÕ¦[ˇ]ÁÞˇ{ à^¦	Н	€FË G	Ë
CEÞÖÁÖÖŐ QYÁETÄOEÞÖÁÇCE († { æðaðÁÞ^ç [¦\ÁÖãæþå] * DÁÖði áð	I	F€Áåããão	Ë
ÖÖĞQYÁÜÒÚÒCEVÁÜÜÖ^&¦{ \$}^ÁSÁCEÞÖÁSªãÁSA ÁŞ & `å^åÁŞ Áx@ÁÜÒVWÚÁ { ^••æ^Á;\Á;[cÈ	ĺ	€KÁÚ~ FKÁÚ}	U~-
ÖŐŐ (VÁ) ÒÞÖ (ÞÓ ÁÉÁ) ÞÍ ( 80 ÁB á áb Á ^ } á ā * Á [ å ^ÁÇ Jç ^ ¦   æ } Á ; ÁÒ } à   [ & D	Î	€KÁUç^¦ æ} FKÁÒ}à∥[&\	Uç^¦ æ
XUÓ JÁÔÚ ÞÁÐ ØU Á É Á KÁEFÁKUÓ JÁÔÚ ÞÁÐ ØU Á F GÁEEFÁKUÓ JÁÔÚ ÞÁÐ ØU Á G HÁEEFÁKUÓ JÁÔÚ ÞÁÐ ØU Á H I KÆEFÁKUÓ JÁÔÚ ÞÁÐ ØU Á	Ϊ	Ë	Ë
ÓŠØÁÙŸÙVÒTÁWÁŒÄWÁŒå¦^••Á;ÁÓŠØÁÙ^¦ç^¦Á•^åÆ;} ^Á;@}ÁTÓÝÁ WÁæÁæ[}-ā*¦^åÅ;ãoØ;Á°•¢'{•Á[¦ÁX[ã&^Á>^ç[¦\ā;*	Ì	Ë	€ÈÈÈ
ÓŠØÁÙŸÙVÒTÁÚUÜVÁŒÄWÖÚÁ;[¦œÁ;¦Ár^}åā;*ÁÓŠØÁ;^••æ*^Á;[ÁÓŠØÁ Tæ)æ*^¦È	J	Ë	JÍ €€
ØÜÒY CIŠŠÁÜUW OÞÕÁĒÄÜ^ ^&AÓÚÁæåå¦^••ÁÇŒA¸ æ ÁÓÚÁæåå¦^••Á; ÍÁ Þ[}Ëã^¸ æ ÁÓÚÁæåå¦^••ŒÄÇÁ®Á\$^•Œ¸æã;}Á^•• \$\delta_\text{\mathrix} \delta_\text{\mathrix} \d	F€	€ÁU~ FKÁU}	U}

### **CO Transit-Out**

 $V@ \acute{a} \acute{a} * \acute{a} *$ 

Ü^-^ | Án[Án@-ÁOEā{ ājārdæeā[}ÁÚ|[\*|æ{{ āj\*ÁTæ) ĕeþÁ[|ÁneÁ\*||Ánô^•&|ājdā[}Á[-Á].|[\*|æ{{ āj\*Á[|Áno@nÁ ~`}&aā[}ÈÁ

#### CONDITIONS

- To use CO transit-out, the Sub-System User must seize the CO Line.
- The Original Station COS will receive toll restriction as configured.
- The Outside Caller will hear a busy tone if a Networking Path is not available during the Transit-Out attempt.

#### **OPERATION**

To use CO Transit-Out, perform the following:

- A Station of a Sub-System seizes a CO line.
- 2. The Dummy CO Dial tone (PRI=real dial tone) is provided from the Main System or the Sub-System; according to the CO Dial Send Mode (En-Block or Overlap), the origination of the CO Dial tone is determined.
- Dial the Telephone number of Public Network User; the Called Station will receive the ringing, and Station placing the call will hear the Ring-Back tone.
- 4. When Call is answered, the public network telephone and the station of sub-system will be connected.

#### ADMIN PROGRAMMING

#### CO Line Data

CO COS (TRANS/PGM 177) ... see details on page A-60

TRANS/PGM 177	BTN	RANGE	DEFAULT
DAY COS CO COS in Day mode.	1	00-15	0
DAY COS CO COS in Night mode.	2	00-15	0
DAY COS CO COS in Timed mode.	3	00-15	0

# CO to CO Attribute (TRANS/PGM 179) ... see details on page A-60

TRANS/PGM 179	BTN	RANGE	DEFAULT
STATION OUTGOING CALL TRANSFER while stations are connected to outgoing CO call of first CO Group, the station can transfer the call to second CO group.	1	0: Off 1: On	On
OUTGOING CALL TRANSFER while ATD is connected to outgoing CO call of first CO Group, the ATD can transfer the call to second CO group.	2	0: Off 1: On	On

VÜŒ⊫ÙĐÚÕTÁTÏJ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
UWVŐUOÞŐÁÔCEŠŠÁ/ÜCEÞÙØÒÜÁÜÒŠÒCEÙÒÁ/ŸÚÒÁĒÉÁÁ,Čď[¾*Á ÔUÁ&a‡Á&aÁs^Ása)•~¦¦^åÁşÁ,Ásæ;ÁÔUÁ&a‡É\$^ ^æ•^Áŝ]^Á&aÁ à^Á^ŒÁ⊋Á^ơÁ;Á¤[}^ÉÁÁÁ;Á;Gåšæ,8]}}^&&^åÈ	Н	€KÁ⊅[}^ FKÁÜ^ ^æ•^Ásæe^¦Á Ü^ ^æ••^ÁVã[^¦	Þ[}^
UWO OU OÞ Õ Á ÔCEŠŠÁ ÜCEÞÙ Ø ÖÜ ÁÜ Ò ŠÒ CEÙ ÒÁ CE ÒÆĒÁ Á Á [ˇ ơ [ā] * Á ÔU ÁS ఈ ÁB ÁB ÁB Æ ÁB Þ - A     ^ Å ÁB ÁB ÁB ÁB ÅB ÅB ÁB		<del>€€€Ёİ (E</del> €Á <b>Ş</b> ^&D	€Î€
①中ÔUT ①中ÕÃÔCBŠŠÁVÜCBÞÙØÖÜÄÖÜÖÔVŠŸĀĒÁÁ®AÁ®AÁ°æč¦^Á ãÁ^ơÁq ÁUÞĒÔUÁQ &Q { 尋*ÁsæþÁsæþÁs^Áqæð•-^¦\^åÁqãā^&q^Á ¸ão@`ơÁqò^Ácæqā}•Á;\ÁQBVÖÁq Ádæ)•-^¦Ác@ÁsæþÈ	ĺ	€ÁÚ~ FKÁÚ}	U~
ÙVŒVŒUÞÁŒPÔUTŒPÕÁÔŒŠŠÁ/ÜŒĐÙØÒÜÁĒÄ, @A^Áæāi}•Á æ^Á&[}}^&&^åÁţÁş&[{āj*ÁÔUÁ&æ Á¸Áã•AÔUÁÖ;[ˇ]Ē&@Á •æāi}Á&æ)Ásæ)Ásæ)•~¦ÁœÁ&æ ÁţÁn^&[}åÂÔUÁ;[ˇ]È	Î	€KÁÚ~ FKÁÚ}	U}
OS/ÖÁÞÞÔUT OÞŐÁÔOEŠŠÁ/ÜOEÞÙØÒÜÁEËÁ, @\$^ÁOS/ÖÆÁ 8{}}^8&^åÁqÁag8{{ aj*ÁOUÁSæ ÁqÁa•ÓÔUÁÖ;[*]ÉS®ÁOS/ÖÁSæ)Á dæ)•~¦Ár@ÁSæ ÁqÁqÁn,a'Na{}åÁOUÁ;[*]È	Ϊ	€AÁU~ FKÁU}	U}
ΦÔUT ΦÕÁÔŒŠŠÁÜŒĐÙØÒÜÁÜÒŠÒŒÙÒÁŸÚÒÆÄÄĸ8[{¾*ÁÔUÁ&æijÁ&æjÁs^Ás/á;æ]•~\;\^åÁq¼,œº;ÁÔUÁ&æijÉA^ ^æ•^Ác]^ÁsæjÁà^Á*^ŒÄæÁ*^ŒÁ, œ²;ÁÔUÁ&æijÉA* >æ*^Ác]^ÁsæjÁ	Ì	€ΛΑΦ[}^ FΚΑÜ^ ^æ•^Αἑενε^¦Α΄ Ü^ ^æ••^ΑνΈξι ^¦	Þ[}^
Φ ÔUT Φ ŐÁÔCEŠŠÁ/ÜCEÞ ÙØÒÜÁÜÒŠÒCEÙÒÁ/CT ÒÁËŽÁÁÞÐ Á ℥ &[{ ¾ * ÁÔU ÁSæHÁÐ ÁHæÐ• - ^  ^a ÁH ÁÔU ÁSæHÁÐÐ ÁÁÔU ÁSæHÁÐ ã Á æÐ æð å ÉÁS@ ÁSæHÁÐ ÁHæÐ ÁHæÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÆÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁHÐ ÁH		<del>€€€Ё  €€</del>   <b>6</b>	€Î€

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CEÔÔÒÙÙÁÔUÖÒÁ>CETÒÁĒŹY @}ÁæÁÔUÁÕ;]ÁCB&>••Á &[å^ÁæÁåæA;ÁÁ;ÁØ ^¢ÁÓ`œ[}ÆáÁ;\^••^åLÁ;æ{^ÁæÁ åã] æ^åÁ;}Ác@Árœæã;}®ÁŠÔÖÈ	F	Tæ¢ÁrÎÁ&@e∳•	Ë
ÔUÁSŒPÒÁÔPUĆDÒÄŒÄÖ^&ãā^ÁţÁ^ ^&ÁţÁÔUÁ¸ã^Á ]¦ą[¦ãcÁţÁ^ã^ĚPUVÒKÁY @}ÁUˇơ*[ạ]*ÁÕ;[ˇ]Á Þˇ{à^¦ÆŋÁ;[ơÁæ•ā³}^åÊŚœánÁ;]ơạ;}ÆnÁ;[ơÁæ]] æåÈ	G	€MÜ[*}åÄÜ[àā] FMŠæonŠã}^ GMOã•onŠã}^	Šæ oASA ^

TRANS/PGM 180

OUTGOING GRP NO -- Determines the CO Group

number used to seize. NOTE: If not assigned, the

access code is used as LOOP key.

	ŕ
RANGE	DEFAULT
01-72 (MBX IP-300) 01-24 (MBX IP-100)	Not assigned to the first access code. 01-72 (MBX IP-300) 01-24 (MBX IP-100) is assigned sequentially from the second access code
Max 10 digits	-

#### Max 10 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. ARS SERVICE -- If Alternate Route Selection 5 0: Off Off (ARS) is set, ARS digit is dialed instead of CO 1: On Group Access code when there is no available path. ARS DGT 1 -- Alternate CO Group Access code to 6 Max 8 digits be used when original CO Group Access code failed to find available CO line. 7 ARS 1 OGR DGT -- When alternate CO Group 0: Off Off Access code is used, this field defines if original 1: On digits or converted digits are used. ARS DGT 2 -- Second alternate CO Group Access 8 Max 8 digits code to be used when original CO Group Access code and first ARS code failed to find available CO line. ARS 2 OGR DGT -- When alternate CO Group 9 0: Off Off Access code is used, this field defines if original 1: On digits or converted digits are used.

BTN

3

#### Voice Network

Network Basic Attribute (TRANS/PGM 320) ... see details on page A-141

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0:Off 1:On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0:Off 1:On	On

VÜŒÞÙÐÚÕTÁHŒ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞÒVÁÔUÞÚÁÒÞŒÓŠÒÆŒÜ^•^¦ç^åÁ[¦Ářč¦^Á·æ*^È	Н	€KU~ FKU}	U~
ÞÒVÁÙÕÕÞŒŠÁTÖVPUÖÆÄÄÙ^ ^&Ás@Áş-{¦{æái}}Ár ^{^}oÁc]^Á;¦Á ÛÙÕÁ*]] ^{^}œ\$^Ár^¦çæR^Á;^••æ*^È	I	€KWWÙ FKØŒÔ	WWÙ
ÞÒVÁÔÔÁÜÒVOETDPÁŒÄGÁŒÀÁ¢æ¥^Á\$mÁ^cÁţÁÜÞÉÁŒÁå}æ4jā*Á¸Á\$æ4jÁ &[{] ^ca[}Á^œæ3jÁ;[å^Á\$mÁr¢^&*&*åÈAN*^åÁ;¦Áj^c;[¦\ðj*Á •`]] ^{{^}œæ3^Áå}æ4j³*Ás]^ÁjÁœA&æ4jÁ&[{] ^ca[}È	ĺ	€KU~ FKU}	U~
ÓŠØÁNÙŒÕÒÆŒÁN•^åÁĮÁ^^Æ^Ç[¦\ã;*ÁÓŠØÁ^¦çæ^È	Î	€KU~ FKU}	U~
VÔÚÁÚUÜVÁØUÜÁÓŠØÁĒÉÁVÔÚÁÚ[¦ÓÁ[¦ÁA^}åā]*ÁÓŠØÁ; ^••æ*^Á;ÁÓŠØÁ Tæ)æ*^¦È	Ϊ	J€€€ËJJJ	J <del>€€</del> €
WÖÚÁÚUÜVÁØUÜÁÓŠØÁĒĒÁVÖÚÁÚ[¦óÁ[¦Á^}åā]*ÁÓŠØÁ;^••æ*^Áq ÁÓŠØÁ Tæ)æ*^¦È	Ì	J€€€ËJJJ	J€€F
ÖWÜCE/OUÞÁUØÁÓŠØÁÙVÙÁEÉÄÖˇ¦æeā[}Á[¦Á:^}åā]*Ás@ÁÓŠØÁ;æeč•Á { ^••æt^Ás[Á:@ÁÓŠØÁÛ^¦ç^¦È	J	€FÜJ	F€
ÓŠØÁT ŒÞŒÕÒÜÁÐÁŒÁÐÁŒÁ¦^••Á; ÁÓŠØÁÛ^¦ç^¦Á•^åÁ;} ^Á; @}ÁEÁ T ÓÝÁÐÚÆÁU;}-Æ*;\^åÁ; æðÆ; œ@!Ár^•æ{ •Á;!ÁX[ &^Áp^ç [ !\æ] *Á ÇÜ^•^¦ç^åŒ	F€	Ë	€ÌÈÌÈÈ

# Þ^c, [ !\ Áp` { à^! ā \* ÁÚ|æ) ÁÇVÜ CŒP Ù ĐÚ Õ T ÁHCF ĐÁS Á\^^Ás^ cæap Á; } Á; æt ^ CŒF I G

VÜŒĐÙĐÚÕT ÁHCF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞWT ÓÒÜÁ/ŸÚÒÁŒÁÙ^ ^&óÁÞ~ { à^¦Á^]^	F	€KÁp^c FKÁV¦æ)•ão	Þ^c
ÞWTÁÚŠŒÞÁÔUÖÒÆŒÁÓÓ, ^æ)•Áæ)^ÁæããæÁæ;Áæ,^Áş•^¦♂åÆa^ç,^^}Á €ËJÈÁÇÌ^ ^&ÁTWVÒÄÁa°cq;}ÁqÁş]°OÁ°DÈ	G	ÌÁsaðfãne	Ë
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Ö Ø Ø Á Ú Ò Þ Ö Ø Õ Á ÄÄ Ú /   86 Á á ã á Á /   å Á Á Ú ç ^ ¦   æ Á Á ;   å Á Á Ú ç ^ ;   æ Á Á ;   Å Ó } à   [8 N D	Î	€KÁÚÇ^¦ æ} FKÁÔ}à [&\	Uç^¦ æ]

TRANS/PGM 321	BTN	RANGE	DEFAULT
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0: Off 1: On	On

## **Do-Not-Disturb (DND)**

A call to a Station in DND mode can be denied though it is received from a Station on another System; the calling party will receive a busy tone.

### CONDITIONS

When a Station is in DND mode, the [Station] button of the DND Station will flash (BLF manager must be activated).

#### **OPERATION**

To use DND in a Networked environment:

- 1. Press the [DND] button to activate DND mode.
- 2. When a Station on another System calls in to the Station in DND mode, the busy tone will be received, and DND will display on the LCD.

## ADMIN PROGRAMMING

## Voice Network

Þ^c, [ |\ ÁÓæ æðÁÐÆd æð « ÁÇVÜÐÐ ÙÐÚÕ T ÁHGÐÐÁ Á ^ Á&^æð • Á} Á, å æð ^ ŒÐ F

VÜŒÞÙÐÚÕTÁHG€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÞÒVÁÒތӊÒÁŒÄÒ}æà ^ÁÞ^ç[¦\āj*Áˇ}&aāj}È	F	€KU~ FKU}	U~
ÞÒVÁÔÞŒÁÒÞŒÓŠÒÆĒÁV@Áæ; ^Á; -Áæ Æædjā; *Áææá; }ÆæÁ^} ơÁ; ÁæÁ &ædj^åÁĴ^•æ{ Ææ^ç ^^} ÆTÓÝÆŨÁ^•æ{ •ĒÁÔÞŒÆæã]  æ^åÆæÆæÆ &ædj^åÁ;æċÂÛææã; }•Æãã]  æÆæ^åÁ; }Ææ^å;   ;*  æ; { ð; * È	G	€KU~ FKU}	U}
ÞÒVÁÔUÞÚÁÒÞŒÓŠÒÆŒÜ^•^¦ç^åÁ[¦Á;č¦^Á•æ*^È	Н	€KU~ FKU}	U~
ÞÒVÁÙÕÕÞŒŠÁTÒVPUÖÁŒÄÛ^ ^&Á®Á\$J-{¦{æãi}}Ár ^{^}ó€]^Á¡¦Á ÛÙÕÁ`]] ^{^}œ≙^Á^!çæk^Á;^••æt^È	I	€KWWÙ FKØŒÔ	WWÙ
ÞÒVÁÔÔÁÜÒVŒÐAŒÃÁŒÁœÁæÁ°AéA^AÓA[ÁUÞÉA@Áª}æij*Á¸ÁææijÁ &[{] ^Œij}Á^œæjÁ;[å^ÁæÁœÁœA°&°cªÉAN•^åÁ;¦Á¸^ç[¦\ij*Á •`]] ^{^}œá^Áª}æij*Áɛ̂]^Á;ÁœÆæijÁæ[{] ^Œij}È	ĺ	€KU~ FKU}	U~
ÓŠØÁNÙŒÕÒÆŒÁN^^åÁ[Á^^ÓÞ^ç[¦\∄*ÁÓŠØÁ^¦çæA^È	Î	€KU~ FKU}	U~
VÔÚÁÚUÜVÁØUÜÁÓŠØÁĒĒÁVÔÚÁÚ[¦óÁ[¦Á^}åā]*ÁÓŠØÁ;^◆••æ*^Á[ÁÓŠØÁ Tæ)æ*^¦È	Ϊ	J€€€ËJJJ	J <del>€€</del> €
WÖÚÁÚUÜVÁØUÜÁÓŠØÁĒŽÁVÖÚÁÚ[¦ÓÁ;¦Á^}åð;*ÁÓŠØÁ;^••æ*^Áq ÁÓŠØÁ Tæ)æ*^¦È	Ì	J <del>€€€</del> ËJJJ	J€F
ÖWÜCE/OUÞÁUØÁÓŠØÁÙVÙÆËÄÖˇ¦ææā[}Á[¦Á:^}åā]*Ás@ÁÓŠØÁ;ææč•Á { ^••æ*^Át[Á:@ÁÓŠØÁÙ^¦ç^¦È	J	€FÜJ	F€
ÓŠØÁT Œ Œ Œ ÒÜÁÐÁŒÁÐÁÆÁÐÁÆÁ AÓŠØÁÐ\;ç^¦Á•^åÁ;} ^Á;@}ÁÆÁ T ÓÝÁÐÁÆÁE[}-ā';^åÁ;ās@Á;c@¦Ár^•¢^{•Á[¦ÁX[&^Ár^ç;[!\ā;*Á ÇÜ^•^¦ç^åŒ	F€	Ë	€ <del>ÌÈÌÈ</del> È

# $\label{eq:continuity} \mbox{$\dot{\Phi}^{\ }$ in $\dot{\Phi}^{\ }$ in $\dot{\Phi}$

VÜŒÞÙÐÚÕTÁHGF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞWT ÓÒÜÁ/ŸÚÒÆŒÂÛ^ ^86ÁÞ~`{ à^¦Á/^]^	F	€KÁP^c FKÁV¦æ)•ão	Þ^c
ÞWTÁÚŠŒÞÁÔUÖÒÆŒÁÓ¢ ^æ)•Áæ)^ÁáããæÁæ)Áæ^Á§•^¦♂åÁæ^ç ^^}Á €ËIŒÇP/ ^86∕CFWOÄÆ°¢ }Á[Á§]°ÓÝŒÉ	G	Ì Áà ãt ão	Ë

TRANS/PGM 321	BTN	RANGE	DEFAULT
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0: Off 1: On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0: Overlap 1: Enblock	Overlap
VOIP CPN INFO 1: 001 VOIP CPN INFO 1 2: 001 VOIP CPN INFO 2 3: 001 VOIP CPN INFO 3 4: 001 VOIP CPN INFO 4	7	-	-
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0
BLF SYSTEM PORT UDP port for sending BLF message to BLF Manager.	9	-	9500
FIREWALL ROUTING 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	10	0: Off 1: On	On

# Attendant Call (CAS)

An Attendant Call from any node can be routed to the Centralized Attendant (CAS); the call will be queued when all Centralized Attendants are busy.

#### CONDITIONS

- A Recall Call is not routed to CAS on the Master System.
- The CAS DN Number can be converted to Attendant Call code using the Digit Conv. Table.
- An Attendant Call can be rerouted to CAS according to the Forward type and Destination.
- If all Attendants press [DND] button, CAS will be covered by the Night Attendant Group.
- If the Forward Destination of Night Attendant group is CAS, the Attendant Call will be routed to CAS.

## **OPERATION**

 $QA_{||}^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}$   $A_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}^{\dagger}A^{\dagger}||^{\dagger}ae_{||}$ 

#### ADMIN PROGRAMMING

## Tenant Data

Otec^} åæ) cÁOtecl ãã c^ÁQVÜ OTE Ù ĐÚ Ố TÁC GÁTÁ CÓ SÒ ÝÁ HÁTÁ CÓ SÒ ÝÁ HÁTÁ CÓ SÒ ÝÁ LÁTÁ CÓ SÒ ÝÁ LÁTÁ CÓ TÁC CO THE CF

VÜŒ∌ÙĐĐÕT ÁGÏ G	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ØUÜY OÜÖÁYŸÚÒÆÄÖ^       (4) </td <td></td> <td>∰ Aĥo [CÁ V∳^å FKÁ V}&amp;[}å GAÂÛÂUÇ^¦- [] HAÂVÃ[^Á[ĭ`c IKÁCŒ]</td> <td><b>€</b>Káp[oÁ\∳^å</td>		∰ Aĥo [CÁ V∳^å FKÁ V}&[}å GAÂÛÂUÇ^¦- [] HAÂVÃ[^Á[ĭ`c IKÁCŒ]	<b>€</b> Káp[oÁ\∳^å
ØYÖÄÖÒÙVOD•OE/OUÞÁEEÄÖ^&\{ ā}^•Ás@Á[¦¸ædåÁs^•æāj}Á ÇLĭ}\Ásæ&&^•Ás[å^Ás@* åÁs^Ásj& ĭå^åDĒ	ĺ	Tæ¢ÁrîÁsåããe	Ë

# Þã @ÁŒ^} åæ} ơŐ¦[ˇ] ÁŒ•ã} ÁÇVÜŒĐÙĐÚÕT ÁĠÍ Í ĐÁS Á^^Á\$^ææ‡•Á;} Á;æ\*^ ŒËEGH

VÜŒĐÙĐÚÕTÁGÏÍ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞŒPVÁŒVVÖÁÕÜÁVŸÚÒÁŒÄÞ∄®Ö^৫\{ ð}^•Ás@Áŝ]^Á;-ÁÞ∄®Á Œc^}åæ)oÁt¦[ˇ]È	F	⊕ Á ^ ¦{ā;æ F K Óã& ' æ G K Üā;* HK Š[}*^• o Óã ^	€KÁA^¦{ãjæ
ÞŒPVÁŒVÖÁÕÜÁÞŒTÒÁŒÄÖ^৫¦{ã,^•Ás@Á,æ{^Á;Ás@Á,ã @Á Œc^}åæ;joá;¦[ˇ]È	G	Tæ¢ÁrÎ	Ë
ÞŒPVÁT ÒT ÓÒÜÁÐÈÙÕÁËÁŒ•ã}•ÁÚææã;}•ÁæÁ;^{ à^¦•Á;-ÁæÁrã @Á Œc^}åæ) oÁ¦[ˇ]È	Н	Ë	Ë

# Digit Conv. Table (TRANS/PGM 251, TRANS/PGM 252) ... see details on page A-104

TRANS/PGM 251	BTN	RANGE	DEFAULT
APPLY T-TYPE The Apply time type to be applied when the dialed digit is dialed.	1	0:Unconditional 1:Follow DNT 2: Follow LCR	Unconditional
DIALED DIGITS The dialed digits.	2	Max 16 digits	-
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'.	3	Max 16 digits	-
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'.	4	Max 16 digits	-
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'	5	Max 16 digits	-
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'.	6	Max 16 digits	-
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'.	7	Max 16 digits	-
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'.	8	Max 16 digits	-
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'.	9	Max 16 digits	-
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'.	10	Max 16 digits	-
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'.	11	Max 16 digits	-
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'.	12	Max 16 digits	-

	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖHEVFÁÔPCEÞŐÒÖÁEÉÁV@ÁÔUÁÕ¦[*]ÁQE&^••ÁÔ[å^Áse)åÁsããæ•Á q Ás^Ás^} cÁq ÁÚÝÁS ÁÖæêÁHEVÆ; ^ÁFGA; @}Ás@Ásædy°åÁsãããóÆ;Á ]¦^••^åÁsÁQE]] ^Ásā, ^Ás] ^Ásā ÁCZUŠŠUYÆSÕÜŒÈ	FH	Taq¢ÁrÎÁsåããão•	Ë
ÖHEVGÁÔPCEÞŐÒÖÁEŽÍV@ÁBªãrÁ(ÁB^ÁBāE†^åÁBÁÖÆÁHEVĄ ^ÁGÁ , @}Á@ÁBāE†^åÁBªãrÁsÁÁ;¦^••^åÁSÁCE;] ^ÁSQ ^ÁS]^ÆAÁ CZUŠŠUYÆSÕÜCÈ	FI	Tæ¢ÁrÎÁsåãããe	Ë
ÖHEVHÁÔPCEÞŐÒÖÁËŽV@ÁÔUÁÕ¦[*]ÁQE&^••ÁÔ[å^Áse)åÁsðããeÁ qÁs^Ás^}cÁqÁÚÝÆjÁÖseÁHEVÆj^ÁHGÁ;@}Ás@Ásæk*åÁsðãóFsÁ ]¦^••^åÆsÁQE]] Ásãj^Ás2)^ÁssÁCZUŠŠUYÆSÕÜŒ	FÍ	Tæ¢ÁrÎÁsåãããe	Ë
ÖÞVÁ/QTÒÁQÞÖÒÝÁEÐÖÆÐÞð @ÐVÆ, ^åÁVÆ, ^Á/æà ^ÁQå^¢È	FÎ	FËIË,[}^	}[}^
ŠÔÜÁ/QTÒÁQÞÖÒÝÁËËŠÔÜÁ/ą ^Á/æà ^ÁQà^¢È	FΪ	FËIË,[}^	}[}^
ÞŒ ÒÁŒÁ @}ÁÖÖÖÁA^•CÐ æðÐ}Á œd•AÐÁ ÁÐ ÆÓÓÀ æð ^ÁÐÁ åð ] æ^åÁ;}Áo@Áð;*ð;*ÁœæðÐ;}@ÆŠÔÖÈ	FÌ	Tæ¢ÁrÎÁsåããão	Ë
ŒÚÚŠŸÁUÚVŒUÞÁĒĒÁ@ÁŒ;] ^ÁU] Œi;}Á&æ;Áæ^Áæ;] æ³åÁ         æ&&[¦åą*Áæ;Áœ/Áææ; ^¦È	FJ	€KCE∏ FKÙCæea[} GYÔUÆSē]^ HKÖãæà ^	

VÜŒÞÙÐÚÕTÁGÍG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖÒÙÚŠOŸÁÔUÞXÈÖÖÕQÆËÖÁÓÁFÁ^ÓÁFÁ^ÓÁFÁJÊÁ©ÁÓÁFÁ]åæe^åÁ qÁo®ÁÉãæp^åÁÉããæpÁ,@}Áæp/¦cāj*Á;^••æe^ÆrÁæÁ^&^ãç^åÁ¦[{Áo®ÁÚÝÁ æe^¦Ááãæpðj*È	F	U} £U~	U~
ÚÜOÞVÁÔUÞXĚÖÖÖOVÁĒËÆÆÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁ	G	U} £DJ~~	U~

# Voice Network

VÜŒDÙÐÚÕTÁHG€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÞÒVÁÒÞOĐÓŠÒÁŒÄÒ}æà ^ÁÞ^ç[¦\āj*Á;}&aā[}È	F	€KU~ FKU}	U~
ÞÒVÁÔÞŒJÁÒÞŒŠÒÁĒŽV@Á,æ;^Á;Áæ,&æ;lā;*Áææā;}Ææ,Á^}œ́i,ÁæÆA &æ; ^åÁÙ^•æ{ Áà^ç,^^}ÁTÓÝÁŪÁ^•æ{ •ĒÁÔÞŒJÆ;Ãæ]  æ^åÆæÆÆÆÁ &æ; ^åÁ;æċÂÜææā;}•Ásã;]  æ Æaæ-^åÁ;}ÁæÆÁ;![*¦æ;{ ā;*È	G	€KU~ FKU}	U}

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET CONP ENABLE Reserved for future usage.	3	0:Off 1:On	Off
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0:UUS 1:FAC	UUS
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

# Network Numbering Plan (TRANS/PGM 321) ... see details on page A-142

TRANS/PGM 321	BTN	RANGE	DEFAULT
NUMBER TYPE Select Number Type	1	0: Net 1: Transit	Net
NUM PLAN CODE 'X' means any digits can be inserted between 0-9. (Select 'MUTE" button to input X).	2	8 digits	-
CO GROUP NO CO Group Number	3	01-72	-
AND DIGIT AND (Automatic Network Dialing) Digit	4	10 digits	-
DIGIT REPEAT Determine if AND digit is included in the SETUP message or not.	5	0: Off 1: On	Off
DIGIT SENDING Select digit sending mode (Overlap or Enblock)	6	0: Overlap 1: Enblock	Overlap

VÜŒÞÙÐÚÕT ÁHGF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
XUÓ ÁÓ ÚÞÁÐ ØUÁ ÉFÉFÁKUÓ ÁÓ ÚÞÁÐ ØUÁF GÁSEFÁKUÓ ÁÓ ÚÞÁÐ ØUÁG HÁSEFÁKUÓ ÁÓ ÚÞÁÐ ØUÁH I KÁSEFÁKUÓ ÁÓ ÚÞÁÐ ØUÁ	Ϊ	Ë	Ë
ÓŠØÂÙŸÙVÒTÁWÁŒÄÚÁŒå¦^••Á;ÁÓŠØÂÙ^¦ç^¦Á•^åÁ;} ^Á;@}ÁTÓÝÁ WÁæÁ&[}-ā*'\^åÁ;ã®Á;c@¦Á^•¢'{•Á¦¦ÁX[ã&^Á>^ç;[¦\ā;*	Ì	Ë	€ÈÈÈ
ÓŠØÁÜŸÙVÒTÁŰUÜVÆŒÄWÖÚÁ;[¦œÁ;¦Ár^}åā;*ÁÓŠØÁ;^••æ*^Á;ÁÓŠØÁ Tæ)æ*^¦È	J	Ë	JÍ €€
ØÜÒY ŒŠŠÁÜUWWŒPÕÆŒÄ\^ ^&&ÁŪÁ\$&å¦^••ÁŒā^¸æ‖ÁŪÁ\$&åå¦^••Á;ÍÁÞ[}Ëã^¸æ‖ÁŪÁ\$&åå¦^••Á;ÍÁÞ[}Ëã^¸æ‖ÁŪÁ\$&åå¦^••ÆÁ;ÉA Þ[}Ëã^¸æ‖ÁŪÁ\$&åå¦^••ŒÁŒÁ\$@Æå^•æã;}Árˆ•៚{Æá,ÁæÁ;Áæ;AÁ\ÙÞÁ œ®}Á¤[}Ëã^¸æ‖ÆŪÁ\$&åå¦^••Á@ˇ∥åÆå^Á^}æåå¦^•• œ®åå¦^••Á@ˇ∥åÆå^Á^}œÄJÞÆÛ^}åÁā^¸æ‖ÆŪÁ\$æåå¦^•• UØØÆÛV}åÁ¤[}Ëã^¸æ‖ÆÇÇ&¦}æÞÆŪÁ\$&åå¦^••	F€	€KÁU~ FKÁU}	U}

## **BLF Presentation**

#### CONDITIONS

- ÉÁ ÔUÁÓŠØÁTAÁ,[ơÁ\*]][¦ơ°åÉÁN) åÁN+[ÁÃ] \*Ã,\*Ã;\*Á;Ã} aÞÁS[^•Á,[ơÁ] åææ^ÁæÁ ææč •Á;ÁN@ææÁ •ææã}}ÁQÔĎTÁBÁÔUÁÁV;æ)•△¦ÁBÁÔUÁÜ^8æ4|Á∄;\*DĚÁ

### **OPERATION**

ÓŠØÁ; } &cāl } Áse Áse d { assaðbÁ

System Networking 3-247

Chapter 3: System Features

## **ADMIN PROGRAMMING**

## Voice Network

Network Basic Attribute (TRANS/PGM 320 - FLEX 6-10) ... see details on page A-142

TRANS/PGM 320	BTN	RANGE	DEFAULT
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-999 9	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-999 9	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

# Application

**BLF Manager Software** 

### **Centralized Voice Mail**

 $V@a\acute{A}^*\} \&ca[} \acute{A} \&ca[} \acute{A}^*]][ |c\acute{A} @ac\acute{A} &de|\acute{A}_i |as\acute{A}_i  

#### CONDITIONS

- ËÁ V@Á, { à^lÁp.Ás@Á&^}dæða.^åÁxTÙÁp.@\*|åÁr•^Ás@Á^]l^•^}cæðaç^Á, { à^lÁp.Ás[æð^Á { æðaÁr![\*]Á&l^æðaÁpjÁp.æðe.åÁpjÁp.æðe.}Ár.•eð{ È
- ËÁ V@Á, ϵ, à^lā, \*Á, |æ) ÁŞ, &| åã, \*Ás@Á^] !^•^} cæāç^Á; Α΄ æā, Áæ&&^••Áæ•ē; }^å, ÁŞ, Á; æ• &'lÁ •^•α'{ Á @, `|å, ÁŞ, &| `å, Å\$, Á\$@Á, ΄{ à^lā, \*Á, |æ), Á; ΑÛÙÕÁ; |[`], ÁŞ, Á|æç, Á, ˆ•α'{ È

#### **OPERATION**

Ü^-^|Ág Ác@ ÁÒ¢c^|} æþÁx[ 88^ÁT æðjÁ\* } 8cði } Ás Ár^^Á; æð ^ HÉ Ï È

### ADMIN PROGRAMMING

#### Voice Network

Þ^ç [ |\ ÁÓæ æðÁðæd æð «ÁðVÜðÐÐÐÐŐT ÁHG€ÐÁØŠÒÝÁ ÁBÁ ÐÁS Á\^^Ás^æð •Á\} Á\ æð ^ ŒÐ G

VÜŒÞÙÐÚÕTÁHŒ€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÓŠØÁNÙŒÕÒÆŒÁN^^åÁ[Á^^ÁÞ^ç[¦\ā]*ÁÓŠØÁ^¦çæA^È	Î	€KÁU~ FKÁU}	U~
VÔÚÁÚUÜVÁØUÜÁÓŠØÁĒĒÁVÔÚÁÚ[¦ÓÁ[¦ÁA^}åā]*ÁÓŠØÁ;^◆••æ*^ÁQ ÁÓŠØÁ Tæ)æ*^¦È	Ϊ	J€€€ËJJJ	J€€€

VÜŒÐÙÐÚÕTÁHŒF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÓŠØÁÙŸÙVÒTÁŴÁŒÄŴÁŒå¦^••Á;ÁÓŠØÁÛ^¦ç^¦Á•^åÁ;} ^Á;@}ÁTÓÝÁ ŴÆÁE[}Æ*¦^åŏjão@Á;o@¦Á^•ơ{•Á[łÁX[æA^A^o;[¦\ā;*	Ì	Ë	€Ì€Ì€Ì€
ÓŠØÁÙŸÙVÒTÁŰUÜVÁŒÄWÖÚÁ;[¦ÓĄ;¦Ár^}åā;*ÁÓŠØÁ; ^••æ*^Á;[ÁÓŠØÁ Tæ;æ*^¦È	J	Ë	JÍ <b>€</b> €

System Networking 3 - 249

Chapter 3: System Features

# **DECT Mobility**

When one DECT is registered to more than two networked systems at the same time and the user of DECT moves to another networked system, the incoming call to DECT will be routed to the appropriate networked system automatically.

### CONDITIONS

- DECT mobility information is sent through the LAN port of MPB.
- The physical port number of the DECT should be same as on whole systems.
- DECT must be registered to more than two systems for this functionality to work (refer to the Vertical DECT Installation Manual).

#### OPERATION

DECT Mobility is automatic.

#### ADMIN PROGRAMMING

Voice Network

Network Basic Attribute (TRANS/PGM 320 - FLEX 6-10)

TRANS/PGM 320	BTN	RANGE	DEFAULT
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-999 9	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-999 9	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with other systems for Voce Networking (Reserved).	10	-	0.0.0.0

Network Numbering Plan Table (TRANS/PGM 321 - FLEX 8)

TRANS/PGM 321	BTN	RANGE	DEFAULT
BLF SYSTEM IP IP Address of BLF Server used only when MBX IP is configured with other systems for Voice Networking	8	-	0.0.0.0

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Chapter 3: System Features

# **Traffic Analysis**

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- ″Ü^&[{{^}åÂÛ^•c^{Á]\*¦æå^•È

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- ″ V^}æ)σÁÔæ∥ÁÛ\*{{æ¦ÂÜ^][¦σÁÇP[\*¦|^DÁ
- ″ Ôæ∥ÁΛ^]^ÁÛ`{{æk^ÁÜ^][¦αÁQP[ĭ¦|^DÁ

#### CONDITIONS

ÉÁ V¦æ-38ÁÜ^][¦o•Á;¦āj·cāj\*Á8æ)Á\*^}^¦æc^ÁOtīcc^}åæ)dÉÓæ)|ÁÛ\*{{æ;^Áœ}åÁÔUtōÓÁÛ\*{{æ;^Á V¦æ-38ÁÜ^][¦o•ÉÁ

#### OPFRATION

### System Attendant

To print a Tenant Traffic Report:

- FÈ Ú¦^••Ás@ÁŽ/ÜŒÞÙÐÚÕTÁÁà`æ[}ÉÁ
- Œ Öã¢(Á€ŒFÁ,V^) æ) cÁV¦æ-ã&ÁÜ^][¦cÁ&[å^¤ÉÁ
- $H\dot{E} \dot{U}^{\ }$   $\dot{A}$   $\dot{A$
- IÈ Ù^|^&oÁÖæêÁQ,↓¦{ aœa¶}ÁQ€HÁŸ^• c^¦åæêÉÁFHÁM∫åæêDÁ
- ÍÈ Ú¦^••Ás@ ÁÃP UŠÖÐDÙOEXÒáÁs ઁcq[}ÉÁÁ

To print a Call Type Traffic Report:

- FÈ Ú¦^••Ás@ÁŽ/ÜŒÞÙÐÚÕTÁÁa`æ[}ÉÁ
- $\begin{array}{lll} \text{CÈ} & \tilde{\text{O}} & \tilde{\text{A}} & \tilde{\text{O}} & \tilde{\text{A}} & \tilde{\text{O}} & \tilde{\text{A}} &$
- HÈ Ù^|^&oÁÖæ ÁQ-{;{ ææā}}ÁQEMÁŸ^• c^;¦åæê ÉÆFMÁY åæê DÁ
- IÈ Ú¦^••Ás@ ÁÃP UŠÖÐDÙOEXÒÁÁs co{}È

# To print a CO Group Traffic Report:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 023 (CO Group Traffic Report code).
- 3. Select Day Information (0: Yesterday, 1: Today)
- 4. Press the [HOLD/SAVE] button.

#### ADMIN PROGRAMMING

## System Data

RS-232 Port Settings (TRANS/PGM 230) ... see details on page A-89

TRANS/PGM 230	BTN	RANGE	DEFAULT
BAUD RATE Establishes the BAUD rate for the RS-232 serial port.	1	1: 9600 2: 19200 3: 38400 4: 57600 5: 115200	5:115200
PAGE BREAK The system can send a page break command over the serial port at the end of each page.	2	0:Off 1:On	0:Off
LINE PER PAGE Determines Page length, the number of lines the system will send before sending a Page break.	3	001-199	66
XON/XOFF Enables XON/XOFF protocol.	4	0:XOff 1:XOn	0:XOff

# Serial Port Function Selections (TRANS/PGM 231) ... see details on page A-90

TRANS/PGM 231	BTN	RANGE	DEFAULT
ON LINE SMDR Defines the serial port or TCP channel used for the On-line SMDR.	1	0-5	COM
OFF LINE SMDR Defines the serial port or TCP channel used for Off-line SMDR.	2	0-5	COM
SMDI Defines the serial port or TCP channel used for the SMDI output.	3	0-5	COM1
CALL INFO Defines the serial port or TCP channel used to receive Call Information output.	4	0-5	COM

VÜŒÞÙÐÚÕTÁCHF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
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CEÖT OD ÁĒĀÖ^-Ā,^•Ás@ Á^¦ã#Á,[¦ơÁ;ÁVÔÚÁs@e)}^ Á.•^åÁ;¦Ás@ ÁŒÖT OD Á Ü^][¦ơÁ;ઁd,ઁd,č	Ϊ	€Ĭ	ÔUT

### RELATED FEATURES

ÙT ÖÜÁÔæļÁÜ^&[¦å•Áō Ár^^Á;æ\*^ HËÈ] J

### **HARDWARE**

Ú¦ã c^¦Á

# **System Time Management**

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### **OPERATION**

# System

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## **ADMIN PROGRAMMING**

## Table Data

System Time Table (TRANS/PGM 253) ... see details on page A-107

TRANS/PGM 253	BTN	RANGE	DEFAULT
TIME ZONE COMMENT defines the comment of the Time Table.	1	32 characters	none
SYSTEM TIME ZONE defines the Time Zone of the Time Table	2	0-73	0: Sys Time
DAYLIGHT SAVINGS defines Daylight Saving Time of Time Table.	3	On/Off	Off
RING MODE defines the ring mode of Time Table.	4	0: Day 1: Night 2: Timed	0:Day
AUTO RING MODE defines the Auto Ring mode of the Time Table.	5	On/Off	Off

# Weekly Time Table (TRANS/PGM 254) ... see details on page A-108

TRANS/PGM 254	BTN	RANGE	DEFAULT
Monday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	1	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Tuesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	2	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Wednesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	3	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Thursday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	4	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

VÜŒÞÙÐÚŌTÁGÍI	ÓVÞ	ÜŒÞÕÒ	V <b>ŽVE</b> OŠÓÖ
ØlääæêÁÖOËP™ÕPVEWOTÖÖÁĸ*Á;[å^ÁcæċóÁãį^•Áæ)åÁVOTÖÖÁ;[å^Á ^}åÁãį^•È	ĺ	<del>€€€€Ë</del> GHÍ J	Öæ`KÁJK⊖€ Þão^Kár`ìK⊖€ VÖÙKÁ Ë VÖÒKÁ Ë
Ùæĕ ¦åæê ÁÖCEŸBÞOÕPVÐVQT ÒÖÁĀ]*Á( [å^ÁrædóÁŒ( ^•Áæ) åÁ/QT ÒÖÁ { [å^Ár} åÁŒ( ^•EÁ	Î	<del>ccccic</del> hí J	Öæ KÁJK€€ Þão KÁFÌK€€ VÖÙKÁ Ë VÖÒKÁ Ë
Ù"} åæê ÁÖCEŸBÞOÕPVĐYQT ÒÖÁÐ; *Á; [å^ÁcæóÁÐ; ^•ÁÐ; åÁVQT ÒÖÁ; [å^Á^, åÁÐ; åÁÐ; åÁVQT ÒÖÁ; [å^Á^, åÁÐ; åÁÐ; åÁÐ; åÁÐ; åÁÐ; åÁÐ; àÁÐ; åÁÐ; åÁÐ; àÁÐ; àÁÐ; àÁÐ; àÁÐ; àÁÐ; àÁÐ; àÁÐ; à	Ϊ	<del>CCCCICH</del> Í J	Öæ KÁJK€€ Þão KÁFÌ K€€ VÖÙKÁ Ë VÖÒKÁ Ë

# $\mathring{S}\mathring{O} \ddot{U} \dot{A} / \mathring{a} \wedge \dot{A} / \mathring{a} /$

VÜŒ∍ÙĐÚÕT ÁGÍÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÖÖĞ AZÞAŒÁQ   Aræ&@\$aæ Ar-Arœ A, ^^\ E&æ#Öæ AZ[}^ArÇFAQ A+DA& A æ•• #}^å BA\@\&a&c@;^AÖæ AZ[}^ArE BE åæ Ar-Arœ A, ^^\ ArØ]^¢As` cq!}AFE DE	F	ØŠÒÝÆĒÁ ÉÆËH	Z[}^ÁFWÁOE∏Áåæê∙Á [~Ás@÷Á,^^\
ÖÖĞ KZUÞÒÁFÁTÉÁV @ ÁA) d^Ás^-4j^•Ár@ ÁA; ^Á; } ^Á; -Ásæ Á; } ^ÁrÁ , @}ÁÖæ ÁZ[}^ÁrÁs Áræka;^È	G	€€ËG	€€ËG
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# System Database Backup To USB

The complete system database can be downloaded to a USB memory drive automatically. This can be scheduled to run once a week.

#### ADMIN PROGRAMMING

System Data

DB Auto Download, Weekly (TRANS/PGM 223 - FLEX 9) ... see details on page A-85

TRANS/PGM 223		RANGE	DEFAULT
DB AUTO DOWNLOAD(WEEK) Determines when system database downloads to USB automatically,		1-7 represent: Mon-Sun	0: Off

DB Download Time (TRANS/PGM 223 - FLEX 10) ... see details on page A-85

TRANS/PGM 223	BTN	RANGE	DEFAULT
DB DOWNLOAD (TIME) Sets the time for system database download to USB automatically.		00-23	00

#### HARDWARF

USB Interface

# **Tenant Group**

One System can be divided into several systems; each Station and Co line is assigned to a specific Tenant Group. Stations in a group are allowed or denied the ability to place intercom calls to Stations in other groups on a Group-by-Group basis.

Each Tenant Group has an Attendant Group. If a user dials 0 (Attendant Call Feature Code), the call is routed to the assigned Attendant Group. Additionally, the assigned Attendant member can control the Day/Night Ring mode for Stations in the group switching from Day to Night mode. Each Group is assigned a separate Auto Ring Mode Table for changing the Ring and COS mode automatically during the Day and Night service mode (as applicable).

#### CONDITIONS

- ÉÁ CHÁUcaeanái } Ás^} að a Ásae&&^•• Á, áll Á^c i } Ásae) ÁÐil[¦Ánái }^Á, @/} Ásaean/{ ] cáj \* Ánái Ásae ^ ÁsaeÁsaell Ánái ÁsaeÁ ] ace cábč | ace Á^/} ace o ÁŌil[ĭ] ÉÁ
- EÁ V^}æ) ơౕౕá[^•Á;[ơౕáæ-^8ơ∕á@ÁÛææāi]}Áp~ { à^¦ā;\*ÁÚ|æ) Á§ Ás@Ár^•e^{ LÁæd|Árææāi]}•Á§ Ás@Á Ù^•e^{ Á;~•ớÆæ;^Ááā-^¦^}ơÁÛææāi]}Á;~ { à^¦•Árç^}ÁsÁo@^Áæd^Áæ••ā?}^åÁq[Ááā-^¦^}ơÁ V^}æ)&^Át¦[~]•ÉÁ
- ËÁ Υ @} Ás@ ÁΦŒ^} åæ) σÁ, ÁæÁ/^} æ) σŐ¦[ˇ] Á^• ΑΘΑΘΕ ΦΟ Ã @ΔΟνᾶ, ^åÁ, [å^Ε΄ΑωΑ΄, ἄμΑ΄ ΑΘΑ΄, βΑ΄, ΑΘΑ΄, βΕ΄Α΄, ΔΕ΄Α΄, ΑΘΑ΄, ΑΘΕ΄Α΄, ΑΘΑ΄, 
#### **OPERATION**

## System

 $U]^{a} = \frac{1}{4} \hat{A}^{a} + \hat{A$ 

#### ADMIN PROGRAMMING

#### Tenant Data

V^}æ) αΘ΄ÖæææÁÛ^ασ҈) \* • ÁÇVÜŒÞÙÐÚÕΤÁGÏ €ËĞJ€DÁĞ Ár^^Áå^ææ‡• Áţ}Á¸æ\*^ ŒËFÌÁα@[ \* \* @Á] æ\* ^ ŒËFHH

### Station Data

Ùcaeaaaaa Ann) aan) chip [ EÀQVÜCEÐ ÙHDÚÕT ÁFHFAÉÁROS Ó Ý ÁGDÓNÍO ÁN ^^ ÁN ^ Caaaann Án) Án aið ^ Caeeann Ann a

VÜŒÞÙÐÚÕTÆHF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
VÒ Þ ŒÞ VÁÕÜU WÚÁEÉA]^&ã Ác^}æ)óÁ ¦[ˇ]Á[¦Á ææā[}È	G	FËJÁÇT ÓÝÁQÚÁH€€D FË ÁÇT ÓÝÁQÚÁF€€D	

### CO Line Data

 $\hat{O}U\hat{A}^{\wedge}\}\not{a}_{0}\hat{A}_{0}[\hat{A}_{0}VU\hat{U}DD\hat{U}D\hat{U}D\hat{U}D\hat{U}\hat{O}T\hat{A}_{0}\hat{A}] = \hat{A}_{0}\hat{A}_$ 

VÜŒÞÙÐÚÕTÆr΀	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
VÒÞŒÞVÁÞUÁŒÁ^œÁ^}æjœÁ¦[ˇ]Ájˇ{à^¦Á[Áæj] ^ÁqíÁÔUÁAj^•È	ĺ	FËJÁÇTÓÝÁQÚËH€€D FËHÁÇTÓÝÁQÚËF€€D	

# **Universal Answer (UA)**

UA allows a user to be alerted via an external loud bell and answer defined CO/IP calls by dialing a UA code. While primarily intended for alternate answering, UA will also function in other modes providing UA in all service modes. Calls will appear on the {CO}/{IP} appearance or a {DN} button. An External Control Contact can be assigned to activate an external Loud Bell to alert users of incoming calls. Digital Phones may program a Flex button as a {UA} button.

#### CONDITIONS

System will search a CO line for UA from first accessible CO line.

#### OPERATION

#### Digital Phone

To assign a Flex button as a {UA} button:

Press [TRANS/PGM] + {FLEX} + Button Feature Type (1) + {UA Feature Code} + [HOLD/SAVE]

To access an incoming UA call:

- Lift the handset or press the [SPEAKER] button.
- 2. Dial {UA Feature Code}; the UA call is connected. OR
- Lift the handset or press the [SPEAKER] button.
- Press the {UA} button; the UA call is connected.

#### Single Line Phone

To access an incoming UA call:

- Lift the handset.
- Dial {UA Feature Code}.

#### ADMIN PROGRAMMING

Numbering Plan

Universal Answer Code (TRANS/PGM 113) ... see details on page A-20

BTN	FEATURE (TRANS/PGM 113)	REMARK
85	Universal Answer	587

#### CO Line Data

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#### **RELATED FEATURES**

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# VMIB Integrated Auto Attd/Voice Mail

#### **VMIB**

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## **VMIB-Auto Attendant**

Q[¦Ásq)ÁOE qĒŪēcc)åaa)σÁOE}[[`}&^{ ^}σÁs@AÛ^•σ^{ Á¸a∏Á¸læÁs@Ásq}}[``}&^{ ^}σÁsq)åá¸[]}aā[¦Á¸¦Á åããn•Á¦[{Ás@Ás[}}^&c^åÁγ¢σ^¦}ad∱ædċĒÁOEÁÔÔÜÁ/æà|^Áå^-ā¸^•ÁsæÅäædp^åÅåããāAÇ€ËJĒÁĀĒsa)åÁp±TAk[Á æÁs^•ã}}æo°åÁ[` σ°LÁ°æ&@Ásqåãããã ædÁsãããóSe[¦/^•][}å•Á¸ão@ÁsæÁ[` σ°KÁ

- "Ùcæafa]}
- "  $\dot{U}_{casea}[] \dot{A}\tilde{O}^{\dagger}[]$
- ″ ÔUÁÕ¦[ ˇ]ÁŒ&^••ÁÔ[ å^
- ″Q,c^¦}æ|ÁÚæ\*^ÁZ[}^
- ″ X[a&^ÁTæaÑAOB&&^••ÁÔ[å^
- ″ ÔÔÜÁŒ&**ץ•Á⇔** åÁÖ¦[]ÁÔ[å^ÆÉÁKΤŒÓÆ;}[ˇ}&^{ ^} cÁ

- Conference Room
- Net number
- Company directory
- Re-record VMIB announcement
- Direct VM transfer
- VM access

In addition, the System will monitor digits for a Station number; if the User dials a Station number, the Auto-Attendant will complete an unsupervised call transfer to the station.

#### CONDITIONS

- There are no individual time limits on Auto-Attendant announcements.
- The external caller may experience a Ring-Back tone before playback of a VMIB announcement.
- The Attendant Station must "Save" a recording before returning to the on-hook state. otherwise the existing recording is used and new recording will be lost.
- To record or delete an Auto-Attendant message, all of the VMIB channels must be in the idle state.
- The external caller may dial at any time during an Auto Attendant announcement and must dial prior to the expiration of the CCR Analysis timer.
- If the external caller dials an invalid selection or station, the System will present the Invalid Entry prompt and initiate a re-entry according to the DISA Retry Counter.
- If the external caller dials more than a single digit, the call is routed based on the System Numbering Plan.
- Calls answered by an Auto-Attendant (CCR) Announcement are interactive DISA calls and are subject to conditions of a DISA call.
- A CCR Announcement may be programmed to disconnect the call after playing.
- The Auto-Attendant Announcement feature is supported for DISA and DID calls.
- To allow back-tracking in call routing, assign one of the CCR destinations of a current step as the CCR announcement number for the previous step.
- The remote Caller's voice mailbox access can be supported by assigning the {VMIB Access Code} to a CCR destination.

### **OPERATION**

#### System Attendant

To record an Auto-Attendant Announcement:

- FÈ Ú¦^••Ás@AŽ/ÜŒDĐĐÕTÁÁà cf}È
- Œ Öãæ∮Á€Î GdÊÁc@ ÁT ^••æ\* ^ÁÜ^&[¦åÁ&[å^È
- HÈ Öã đạ Á M T CÓÁ | CÁ \* { à ^ ! ÉÁ
- IÈ ÖãadÁs@ ÁOE} | [\* } &^{ ^} cÁ\*{ à^!ÁQ€FË €DÈ
- ÍÈÒ}ơ\Á@ÆŠæ)\*ˇæť^Á,ˇ{à^¦ÁÇFËHĒÁÁˇ]][¦ơåDÆ©Æ)}[ˇ}&^{^}ơ¾ຝ¦^••Á©ÆÁ.^^Æ[Á ¦^&[¦åÊÁ¸ą]Áà^Á;|^•^}ơåÈÆÆÓ@¦^ÆiÁæ¦^æå^ÁæÁ^&[¦å^åÁ;^••æť^ÆjÁœÁ,ˇ{à^!Á åãæp^åÊéÆS[;|^•][}åã,\*Á;^••æť^Á¸ą]Æô^Á;|æô^åÈÁ
- ÎÈ Öã AÀ dÀ
- ÏÈ ΟΕ-ε^¦Áσ@•Áà-^^]Εξ[}^ΕΑΛ-8[¦åΑ(^••æ\*^È
- ÌÈ Ú¦^••Ác@ ÁŽPU ŠÖÐÙODX ÒÁÁS cd;}ÁqíÁ,áqí]Án &q¦åã;\*Ácd;åÁn æç^Ác@ Á; ^••æ\*^È

## To delete a recording:

- FÈ Ú¦^••Ás@AŽ/ÜŒÐÙÐÚÕTÆÁà c{}È
- Œ ÖãdÁÉÎ GÁT ^••æt ^ÁÜ^&I ¦åÁ&I å^¤È
- HÈ Öã đÁ Ó ÁKT CÓÁ | CÁ (à \!ÉÁ
- IÈ Öãa‡Ás@ ÁO\$}[`}&^{ ^}oÁ,`{ à^¦ÁQ€FË €DÈ
- ÍÈÒ}ơ¦ÁœÁŠæ)\*ˇæť^Á,ˇ{à^¦ÁÇËÐÁŸ]][¦ơå᠒ÁœÁæ)}[ˇ}&^{^}ơÁຝ¦^••ÁœÁÁÁ^^Á[Á ¦^&[¦åÊÁ¸ã|Áà^Á@æååĔÆÁœ¦^ÁæÁœ¦^ÁæÁ^&[¦å^åÁ, ^••æť^ÁşÁœÁ,ˇ{à^¦Áåãæþ^åÊÁ cœÁ&[;|^•][}åã;\*Á;^••æť^Á¸ã|Áà^Á;|æ°^åÈ
- ÎÈ Ú¦^••Áx@ ÁŽUÚÒÒÖÁÁS `cq[}ÁS `lā]\*Áj|æêàæ&\ÁgÁr¦æ•^Á; ^••æ\*^ÁÑÛ^•c^{ÁU]^¦ææāj}Á;-Á ÔÔÜÁCEåāiÁ/^¢cÁæà|^•Áæ}åÁCEdEÖEc^}åæà;cÁæò^Áæèd[{ææã&ÆÁ

#### ADMIN PROGRAMMING

#### Tables

ÔÔÜÁ/æà|^•ÁÇVÜŒÞÙÐÚÕTÁG΀DÁÑÁ^^Á&^œã‡•Á;}Á;æ\*^ŒËFG

VÜŒĐÙĐÚÕTÁG΀	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÔÔÜÁ/ŒŐŠÒÁĒĞA@Áå^•cājæāj}Ár,ÁÔÔÜÁşjjŏáāāātÁs@Áå^•cājæāj}Á 8æjÁa^ÁæÁUæāj}Ájˇ{à^¦ÉŘUœæāj}Át¦[ˇ]Ájˇ{à^¦Ár;ÁØ^æč¦^Á&[å^ÈÄ ÞUVÒKÁØ[¦ÁØ^æč¦^Á&[å^•ÉÄr^~¦ÁrjÁs@Ápˇ{à^¦āj*ÁÚ æjÁrj¦Ár@Á æj] &Bæàj ^Á&[å^•È	FËFG	Tæ¢ÂiÁsããão	Ë

#### **HARDWARF**

XT (Ó

### VMIB Voice Mail

# Message Storage

When a station activates Call Forward to the {VMIB Access Feature Code}, the call is transferred to a VMIB mailbox or a transferred call recalls to the VMIB, the call is handled by the System's Voice Mail application. The caller can connect with the called Station User Greeting followed by a beep tone.

A remote Caller can record a message and hang-up or dial \* for further options. When disconnected, the VM application will store the message in the Called User Voice Mailbox and activates the Message Waiting Indication (MWI) at the User Station. If VM back-up is assigned at the back-up station, Phontage or UCS Client is also notified.

#### CONDITIONS

- Two timers are provided to control voice message length:
  - VMIB-Message Minimum Record Timer: establishes the minimum voice message length; voice messages shorter than this timer are not stored.
  - VMIB-Message Maximum Record Timer: establishes the maximum voice message length; when the VMIB-Message Maximum Record Timer expires while a voice message is being recorded, a confirmation tone is heard and the message is saved for the destination station.
- If all VMIB channels are in use, a Ring-Back tone is provided until a VMIB channel is available.
- All active Stations including SLTs can leave and receive voice messages.
- Individual User Greetings and Voice Mails are protected from loss of AC power.

#### OPERATION

#### Remote Caller

To leave a voice message:

- 1. After receiving the Greeting and beep on an attempted call, record the desired message.
- 2. Hang up to quit recording or dial \* for further options.

### **ADMIN PROGRAMMING**

### System Data

XT OÓË ^••æ\* ^ÁT ã; ã; ˇ{ÁÜ^&[¦åÁ/ã; ^¦ÁÇVÜ OĒÞ ÙĐÚÕ TÁGG€ÁËÁZŠÒÝÁ Ì DÁS Á\* ^^Ás^ œá‡•Á;}Á ]æ\* ^ OËË H

VÜŒDÙÐÚŌT ÁGC€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÔUÁÜÒÔŒŠŠÁÞUÁŒÐÙÁ/TÜÁËËÆŢÁ&; $^{}$ $^{}$ $^{}$ $^{}$ $^{}$ $^{}$ $^{}$ $^{}$ $^{}$ $^{}$	Ϊ	€€FËÎ €€Á	H€
		<b>Ģ^&amp;[</b> }å∙D	

VÜŒÞÙÐÚŌTÁGG€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÔUÁZYÖÁÞUÁQEÞÙYÒÜÁ/TÜÁEÐÁÞ[Áæ)•¸^¦Áæ[^¦Á[¦Á[¦¸æðåÁÔUÁæ]*Á	Ì	€€FЁ €€Á Ç^&[}å•D	H€

# Numbering Plan

XT QÓÁCE& ^ • ÁÔ j å ^ÁÇ / Ü CŒ Ù ĐỦ Õ T ÁFFH ĐÁS Á ^ ^ Á& ^ cæ Å } Á à a \* ^ CŒ J

ÓVÞ	ØÒŒWÜÒÁÇVÜŒÐÙÐÚÕTÁFFHD	ÜÒTŒÜS
HJ	XT @ÁOB&^••	ÍСН

#### Station Data

Ù cæaāj}ÁKT CÓÁOTac¦ãa \* c^•ÁÇVÜ CEÐ Ù ĐÚÕ TÁFIÍ DÁS Á ^^Ás ^ cæāj•Á;}Á; æ\* ^ CEË €

VÜŒDÙÐÚÕTÁRIÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
XT ΦÁ CEÔÒÙÙÁ HÁ Ú/\:\{ ão Á cestái } Áss& A • • Á I ÁXT ΦÈ	F	€MÁÖãræà ^ FMÁÒ}æà ^Á	Öãræà ^
ÚÜUTÚVÆĞŒÞŐWŒŐÒÁŒÞÖÒÝÆËÄÜ^ ^&&åÁæ)**æ*^Á¢]^Á;¦[{]Œ&Á] æ^åÁq£Àæ&Å•^¦Á;@}&&&&^•@}	G	FΕ̈́Η	F
OEWUEÜÒÔUÜÖÁÙÒÜXФÒÁŒÄÖ^ơ¦{ ན^•ÁsÁ•^!Ásæ;Á^&;¦åÁsé &[}ç^¦•ææã]}Á¸ão@Ásè;[c@¦Á•^!Ágā;ơ¦}æÞÞ¢ơ\¦æÞÞåoókæè;Ás^Á•^åÁ ¸ão@`óÁs;[Ë;æÁ^&[åÁs`o[}È	Н	€MÁÖãaæà ^ FMÁÒ}æà ^Á	Öãræà ^
VY UÁY CLŸÁÜÒÔUÜÖÁDEÔÔÒÙÚÁEÉY @ }Ásd [¸ ^åÉs@Ár cæzá[}Ásæ)Á æskaáçæc^Ás@Á/, [Ë; æáÁ^8(¦åÁ^æcï¦^Á(Á^8(¦åÁsæ4s(}ç^!•æzá[}È	I	€lÖãranà ^ FlÒ}anà ^Á	Öã æà ^

TRANS/PGM 145	BTN	RANGE	DEFAULT
TWO-WAY RECORD DEVICE 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.	5	-	VM Boards
REC-MSG BACKUP STA 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.	6	-	-
BACKUP MSG DELETE When enabled, Phontage user can delete all voice mail in VM internal boards.	7	0: Disable 1: Enable	Disable
VMIB MSG TYPE 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.	8	0: LIFO 1: FIFO	LIFO
VMIB NEW MSG NO Display the number of new messages.	9	-	-
VMIB SAVE MSG NO Display the number of saved messages.	10	-	-

#### HARDWARE

VMIB

# Message Retrieval

A user can access their Mailbox locally from a Digital Phone by dialing the {VIMB Access Feature Code}, by pressing the [MSG/CALLBK] button, or by pressing a pre-assigned {VMAILBOX} Flex button when Off-Hook receiving Intercom dial tone. Prompts are presented to guide the User in the Voice Mailbox operation. The User must enter a Mailbox number (Station number), and a corresponding password in response to the Request for Mailbox number ("Please enter your Mailbox number.") and Request for Password ("Please enter your password code.") prompts. Additional prompts and mailbox operation is described in Operation, or refer to your Phone or Voice Mail User Guide.

#### CONDITIONS

- If no new/old messages are available, pressing 1 or 2, is an invalid operation and the User receives the "Invalid Entry" prompt or "No Message" prompt.
- If the dialed number is not recognized, the "Invalid Entry" prompt is played; after the second invalid entry, the User is disconnected.

- EÁ V@ÁN+^¦Á; æ Ás ãæ Ása ã AsarÁs) Ása; ^Ási '|ā, \*Áx[a&^ÁT æāļÁ;|æ à æ& ÉÛÛ`• c^{ ÁÚ|[{] oÁ; Á •ā^} &^LÁ;@ Á•^¦Á; ˇ• oÁs ãæ Ásassā ãoÁs Á^•][] •^ Ás ÁsaÂÛ`• c^{ ÁÚ|[{] oÁ; ão@ Ása AÔÔÜÜÁ OE; æ|^•ã Ásā, ^|Á;|Ás@ÁÛ^• c^{ Á; āļÁ^c`|} Ása Á\*;|[|Ás] ^Ása) á Ásã ã &[}}^&cÁs@ Ásaæ|ÈÁ
- ËÁ T^••æt^•Ásæ)Ás^Á^dætç^åÁsjÁrác@⊹ÁæÁz020UÁg2at•óÁsjÁ2at•óÁ; ÓDÁ;¦ÁSO20UÁgSæeóÁsjÁ2at•óÁ [ˇdDÁÁ

#### **OPERATION**

#### Digital Phone

To assign a {VMAILBOX} Flex button:

Ú¦^••ÁZVÜCEÞÙÐÚÕTÁÆÁ,ØŠÒݤÆÁÓ°Œ[}ÁØ^æ&°¦^Á/^]^ŒFDÆÁ,XTŒÓÁCE&\^••ÁØ^æ&°¦^ÁÔ[å^¤Á ÉÆPUŠÖÐÙCK.Òá

To retrieve Voice Mail locally:

- FÈ ŠãoÁc@Á@æ) å•^oÁ;¦Á;¦^••Ác@ÁŽÙÚÒCESÒÜáÁàč o{}Á
- Œ Ú¦^••ÁĬ ÙÕĐÔŒŠŠÓSÁÁ°Œ;}ÈÁ
- HÈ Öã¢ÁGÁ[Á^|^&oÁXT OÓÁT^••æ\*^•LÁs@ÁTæ¾ÁÓ[¢ÁBÁÚæ••[¦åÁ;¦[{]o•Á;ã|Áà^Á;|æ^åÈÁ
- IÈÒ}ơ\Án@ÁΤæājà[¢ÁnQÒœæāj}Á,ˇ{à^\DÁæ)åÁs[;!^•][}åāj\*Ájæ••¸[¦åևÁaÁn}d^ÁanÁçæþãa ÉÁs@ÁÞˇ{à^\Áj-ÁT^••æ\*^•Áj:[{]σÁ,ājÁs^Áj:^•}∂°åÈ
- ÍÈ ÖãadÁå∧∙ãi∧åÁi]cãi}Á&Iå∧ÉÁ

FKÁÚ Jæ ÁÞ^, ÁT ^••æ\* ^• Á

GHÁÚ |æ ÁÛæç^å ÁT ^••æ\* ^• Á

ÌKÁÙ^ơÁÕ¦^^ơ∄\*Á[¦ÁÚæ;•¸[¦åÁ

ÀKÁÖã &[ } } ^&c

€KÁU]^¦æe[¦Á

JKÁÜ^] |æ ÁÚ¦[{] oÁ

- ÎÈ Ø[∥[¸ā]\*Án^|^&ca[}}ÉÉæååãa[}æ†Á,¦[{]o•Á,ā|Ás^Á;¦^•^}c^åÈ
- ÏÈ CEÓ&[{]|^ca[}A[-Á^••a[}EÉ@e)\*Ë]Á[Á^c'|}Á[Á&[ÞÉ OR
- FÈ Šã Á @ Á @ å ^ OÁ ¦ Á ¦ ^ • Á @ Æ Û Ú Ò OES Ò Ü Á Å č of } Á
- GÈ Ú¦^••ÁXT ŒŠÓUݤÁàčæ{}ÈÁ
- HÈ Ò} ơ khố @ ÁT anāà [¢Á, æ• ¸ [kå ÁS[kl^•][} å ã, \* Áṭ Ás @ ÁÙ cænā; khás Ár} d^ Án Ár, æhán ÉÁs @ Ár { à^kÁ [ Ár ^• æ\* ^• Á; kl [ { ] oÁ, āllÁs ^Á; \^• ^} e\ å ÈÁ
- IÈ Öãæd,Áån, đi∧ å,Áį] cđį} Á&[å∧ÁÇ, ^ A¦Áq[ÁÛc^] Ái Áæà[ç^DÈÁ
- ÍÈ Ø[∥[¸ā]\*Án^|^&oa[}}ÉÁæååããa[}æþÁj¦[{]o∙Á,ā|/Ás^Áj¦^•^^}♂åÈÁ
- ÎÈ OTEÁ&[{]|^cqī}Á[-Án^••ā[}ÉÃ@e)\*Ë]Á(Á^č¦}Á(Ásã|^ÈÁ

### To attach a memo to the current voice message:

- After message playback, dial 7 during or after message option prompt.
- 2. Following the beep, record the desired memo.
- Press \* key to stop recording and store the memo.
- 4. During or after the New/Old Option Prompt, dial to forward the message and memo.

#### Single Line Phone

To retrieve Voice Mail locally:

- Lift the handset.
- 2. Dial the {VMIB Access Feature Code}; the Mailbox & Password will be presented sequentially.
- Enter the Mailbox number (Station number) and corresponding password; if entry is valid, the Number of Messages prompt will be presented.
- Dial desired option code,
  - 1: Play New Messages
  - 2: Play Saved Messages
  - 8: Set Greeting or Password
  - #: Disconnect
  - 0: Operator
  - 9: Replay Prompt
- 5. Following selection, additional prompts will be presented.
- 6. At completion of session, hang-up to return to idle.

#### To attach a memo to the current voice message:

- After Message Playback, dial 7 during or after Message Option Prompt.
- Following the beep, record the desired memo.
- Dial \* to stop recording and store the memo.
- During or after the New/Old Option Prompt, dial 4 to forward the message and memo.

## **ADMIN PROGRAMMING**

#### Station

Ù cæaā[} ÁKT QÓÁOTæd ãa \* e^ ÁQVÜ QEÐ Ù ĐÚ Õ TÁFIÍ DÁS Á ^^ Á&^ œá PÁ[} Á] Á, æ \* ^ CEË €

VÜŒÞÙÐÚÕTÁRIÍ	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
XT ŒÁŒÔÔÒÙÙÁËÄÚ^¦{ã•Ácæãí}}Áæ&&^••Á(ÁXTŒÉ	F	€KÁÖãaæà ^ FKÁÒ}æà ^Á	Öãræà ^
ÚÜUT ÚVÆĞŒÞŐWŒŐÒÁŒÞÖÒÝÆŒÄÛ^ ^&&åÁæ)*`æ*^Áŝ]^Á;¦[{]ďæÁ ] æ^åÁqÁœÁ•^¦Á,@}Ás&&&••ā;*ÁœÁkTŒÓÈ	G	FËH	F
CEWUEÜÒÔUÜÖÁÙÒÜXΦÔÒÆŒŐ^o^¦{ 尋^•ÁsÁ•^¦Ásæ;Á^&;¦åÁsé &[}ç^¦•ææā[}Á¸ão@Ás;[c@¦Á•^¦Ág];œ'¦}æÞÞ¢ơ^¦}æÞÞÅo^Á•^åÁ ¸ão@`óÁç[Ë,æÁ^&[¦åÁs`o[}È	Н	€MÁÖãaæà ^ FMÁÒ}æà ^Á	Öãræà ^
VY UÁY CEŸÄÜÒÔUÜÖÁQEÔÔÒÙÙÁEEAY @ }ÁseH[¸ ^åÉAs@Árcæaā[}Ásea)Á æ\$cā;ææ^Ás@Áy, [Ë; æêÁ^8[¦åÁ^æcï¦^Át[Á^8[¦åÁsæ48[}ç^!•æaā[}È	I	€rÖãræà ^ FrÒ}æà ^Á	Öã æà ^
VY UËY OËY ÁÜÒÔUÜÖÄÖÒX ÓÓÒÁĒÄÖ^ C^;{ ¾ ^• Ác@ Ácæç^ Á[ &ææã[ } Á[ -Á V, [ËY æð Á^ 8[ ¦å^å.Á, æç.Áæ]^• hÁXT ÁÓ[ æðå• ÉÄ[ ¦ÁÚ@] æð ^ ÉÄY @} Á Ú@] œð ^ Áæ Án / ^ &c å.Ág æç.Áæ]^• háxp ^ Áæç.Áæ] łá æç.Áæ] háæç.Áæ] lå ^ å.Ág æç.Áæ] háæç.Aæ] lå ^ å.Ág æç.Áæ] háæç.Aæ] læ] cæ] ^ Á[ * læ] eæ] ^ æ] • æ] / å.ÁÚÔÈ	ĺ	Ë	XTÁÓ[ælå•
ÜÒÔËT ÙÕÁOŒÔSWÚÁÙVOÆËËÁY @}Ácææā;}ÁœæÁ^¸Áç[æð\Á;æðþÁæç^åÁ [}ÁœÁxTÁjo^¦}æþÁj[æðå•Éðsæðáj-{¦{ææāj}ÁrÁ^][¦o^åÁgÁæ¢å³}^åÁ Ú@}cæt^Áj~{à^¦EÅÚ@}œæt^Á•^¦ÁsæðÁææðå~jÁæç^åÁç[æð^Á;æðþÁ!{{Á XTÁjo^¦}æþÁj[æðå•ÁgÁæðÁæðåÁsæ\ÁjÆó@ÁÚ@}cæt^Á ]![*¦æ{Ëjj•œ¢ ^åÁÚÔÈ		Ë	Ë
Ó CEÔS WÚÁT Ù Ő ÁÖ Ò ŠÒ V Ò ÁEÉÝ @} Á } æà   ^ å ĒÁÚ @} æë ^ Á • ^ ¦ Ásæ) Ás ^   ^ « Á ad   Áse) Ás ^   « Áse) Ás ^   « Áse) Ás ^   « Áse) Ás	Ï	€MÁÖãræà ^ FMÁÒ}æà ^Á	Öã æà ^
XT ΦÁT ÙÕÁ/ŸÚÒÁŒÁT ^••æť^•Árḍ¦^åÁṣJÁs@ÁXT ΦÁ;æðÁs^Árdārç^åÁ ājÁrão@¦ÁæÁXOZUÁÇã•ďäjËã•ďi; doÁ;¦ÆŠOZUÁÇæ•ďäjËã•ďi; doÁ;¦å^¦Á àæ•^åÁ;}Ás@áÁr}d^È	Ì	€KÁŠOŽUÚ FKÁŽOŽUÁ	ŠŒVU
XT CÓÁÞÒY ÁT ÙÕÁÞUÁEEÄÖã]  æ Ás@ Á, ´{à^¦Á;-Á,^, Á; ^••æ*^•È	J	Ë	Ë
XT CÓÁUCEXÒÁT ÙÕÁÞUÁEÄÖã]  æíÁs@Á, ´{à^¦Á;Áæç^åÁ; ^••æ*^•È	F€	Ë	Ë

# Numbering Plan

XT @ÁQB&^••ÁÔ[ å^ÁQVÜ QĐÙĐÚÕT ÁFFHDÁS Á ^^Á\$^cæan Á; } Á æ\* ^ Q#J

ÓVÞ	ØÒŒVVÜÒÁÇV܌РÙÐÚÕT ÁFFHD	ÜÒT ŒÜS
HJ	XT CÓÁCIB&^••	ÍСН

#### RELATED FEATURES

Message Retrieval Options ... see details on page 3-269 Remote Message Retrieval ... see details on page 3-267 Multiple Voice Mailbox Support ... see details on page 3-122

#### HARDWARF

**VMIB** 

# Remote Message Retrieval

The System permits remote Users access to their Mailbox. After accessing the VMIB Voice Mail, operation follows the local procedures.

#### CONDITIONS

- The conditions associated with Message Retrieval and Message Retrieval Options apply.
- The conditions associated with DISA/DID apply.

#### OPERATION

#### Remote Caller

To access Voice Mailbox from a remote location:

- Lift the handset.
- 2. Dial the telephone number of a DISA assigned CO Line assigned for answer by a VMIB Auto-Attendant.

OR

- Dial a Station Group number assigned for answer by a VIMB Auto-Attendant.
- Upon answer, dial (VIMB Access Feature Code); the Request for Mail Box Number prompt will be presented.
- 5. Follow local access procedures.
- 6. Dial a number and reach your VM greeting.
- At your VM greeting press \*.

## **ADMIN PROGRAMMING**

#### Station

Ù caeaaaaa } ÁXT CÓÁ Caecia ãa \* c^ • ÁÇVÜ CAE> Ù HĐÚ Õ TÁFIÍ DÁS Á, aæt ^ CHË €Á

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# Numbering Plan

XT CÓÁCR&^••ÁÔ[ å^ÁÇVÜCÆÞÙÐÚÕT ÁFFHDÁS ÁJæ\*^ CÆFJ

ÓVÞ	ØÒŒVVÜÒÁÇV܌РÙÐÚÕT ÁFFHD	ÜÒT ŒÜS
HJ	XT CÓÁCIB&^••	ÍСН

#### RELATED FEATURES

Message Retrieval Options ... see page 3-269 VMIB - Auto Attendant ... see page 3-258 Message Retrieval ... see page 3-263

#### HARDWARF

**VMIB** 

# Message Retrieval Options

The user may dial the digit 9 to receive the VM Long Options prompt while in the Voice Mailbox, including during or after a Voice Message or System Prompt except when an option has been selected that requires user dialing. The VM Long Options prompt is:

"To play New Messages, press 1. To play Saved Messages, press 2. To set Station Forwarding, press 7 (available only for remote access). To set Greeting or Password, press 8. To Disconnect, press #. Press 0 for the Operator. Press 9 to hear this message again."

The VMIB Voice Mail will respond to incoming digits as shown in the following table.

Digit	Function	Prompt
1	Play New Msg	
2	Play Saved Msg	
7	Set Cancel/Fwd	
8	Mail Box Setting	Mailbox Settings (greeting/password)
9	VM Long Options	VM Long Options
#	Drop	Goodbye
0	Attendant Group Call	Call to System Attendant

### VMIB Voice Mail Input

When the user responds by dialing 1, the first New Message is played. At the end of message playback, the New Message option prompt is presented:

"To Replay Message, press 1. To listen to the next Message, press 2. To Delete Message, press 3. To Forward Message, press 4. To Call the Sender, press 5. To Skip Message, press 6. To return to Main Menu, press 9."

This process is repeated until the last new message is played and the No Message prompt ("No Messages") is played.

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#### CONDITIONS

- EÁ V@ÁN+^¦Á; \*• œÁn\* ā Áã ãædā; \* Á, ãœā, Ás@ÁÔÔÜÁŒ; æḍ^• ã Ásā; ^¦Ás; Á^•][}• ^Ás; ÁæÁ^• e^{ Á ]¦[{]dÁsÁs@Ásā; ^¦Ár¢]ā^• ÊÁs@ÁN+^¦Á; āļÁ^8^āç^Ása; Á\*;|[¦Ás[}^Ása; åÁs@ÁÛ^• e^{ Á; āļÁ åã &[}}^&oÁs@Á&æd|ĚÁ
- EÁ Y @ }Ás@ ÁsædlÁn^}å^lÁn] cán }Án• ˇ | o• Án, Án) Án¢c^l }ædÁsædlÉåsãnedaj \*Án• dæscán }•Á, ánlÁn^Á ædj] | anåÁnæn^åÁn) Ás@ Áucædán }ÁnUÙÉÁ
- EÁ QÁG@ÁNÞ^¦Á^{ æðj•ÁU~EP[[\Ásec^¦Ásekæd|Á|æ&^áÁs@[\*\*@Á@ÁX[æX^ÁTæðjÁsiÁS[{]|^cÆÁ c@ÁNÞ^¦Á¸ð|Ás^Á^č¦}^åÁqíÁs@Á;Áçðj\*•Á;|æ&^ÁsjÁs@ÁX[æX^ÁTæðjà]¢EÁQÁ@Á\*•^¦Á@æ)\*•Á `]ÊÁS@ÁXTŒÓÁ¸ð|ÁÜ^&æd|Ás@ÁNÞ^¦ÊÁsg)åÁ¸ð|Á;¦^•^}oÁs@ÁÜ^``^•oÁTæðjà[¢Ár>\*{à^¦Á ]¦[{]dĚÁ

#### **OPERATION**

#### Digital Phone

To access a Message Retrieval option:

OEÓÁA)^Áxã(^Áxeec^\Áx@Áp~`{à^\Á;AÍT^••a≛^•Á;¦[{] dÊÁsãa+ÁxeÁT^••a≛^ÁÜ^dā^çæ+ÁU] cā(}Áásã ãtLÁ c@ÁÙ^•c^{Ás(ãtãaxec^•Áx@Ár^|^8cā(}Á;¦[çãáā]\*Áxe)^Ár`à•^~`\*^}cÁ;![{]o•ÉÁ

### Single Line Phone

To access a Message Retrieval option:

OEÓÁN)^Ácã ^Áxeeº\Áx@ÁP`{à^\Á;ÁT^••æ≛^•Á;¦[{] dÉàãæ HÁxeÁT^••æ≛^ÁÜ^dã°çæ HÁU] cã}}ÁàããtÁ c@ÁÙ^•e^{{Áşããæ ev•Áx@Á^|^8cã}}Á;|[çããã;\*Áxe)^Á`à•^``^}oÁ;![{] o•ÉÁ

## **ADMIN PROGRAMMING**

#### Station

# Station VMIB Attributes (TRANS/PGM 145) ... page A-40

TRANS/PGM 145	BTN	RANGE	DEFAULT
VMIB ACCESS Permits station access to VMIB.	1	0: Disable 1: Enable	Disable
PROMPT LANGUAGE INDEX Selected language type prompt is played to the user when accessing the VMIB.	2	1-3	1
AUTO-RECORD SERVICE Determines if user can record a conversation with another user (internal/external). It can be used without two-way record button.	3	0: Disable 1: Enable	Disable
TWO WAY RECORD ACCESS When allowed, the station can activate the Two-way record feature to record a conversation.	4	0:Disable 1:Enable	Disable
TWO-WAY RECORD DEVICE 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
REC-MSG BACKUP STA 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.	6	-	-
BACKUP MSG DELETE When enabled, Phontage user can delete all voice mail in VM internal boards.	7	0: Disable 1: Enable	Disable
VMIB MSG TYPE 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.	8	0: LIFO 1: FIFO	LIFO
VMIB NEW MSG NO Display the number of new messages.	9	-	-
VMIB SAVE MSG NO Display the number of saved messages.	10	-	-

# Numbering Plan

# VMIB Access Code (TRANS/PGM 113) ... page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
39	VMIB Access	523

#### RELATED FEATURES

T^••æt^ÁÜ^dā^çæþás Án^^Ájæt^ HĒCĒ H
Ü^{ [ c^ÁT^••æt^ÁÜ^dā^çæþás Án^^Ájæt^ HĒCĒ Ï
X[ ã&^ÁTæāþà[ ¢ÁÙ^cæāj\*•Ás Án^^Ájæt^ HĒCĒ Ĭ
Ôlæ•Áj-ÁÙ^¦cā&^Ás Án^^Ájæt^ HĒ

#### **HARDWARF**

XT ÓÁ

#### E-Mail Notification

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#### CONDITIONS

- EÁ X[a&^ÁT^••æ\*^•Áæ'^Áq['^åÁ§ Áæ'ÁXT ÓÓÁæ Á ^||Áæ Áà^ā; \*Áææ&@ åÁ[Áœ Á\*Ë; æā)ÉÁThe system provides the option of having the VM stored in the VMIB or being deleted from the VMIB when sending as a .wav file ÉÁ
- ÉÁ V@Á^É; æðáÁ, ðálÁs^Ár^} œðf Ás@Áæðå¦^••Áæ••ðî}^åÁf;¦Ás@ÁÛæðði} Á, ðó@Ás@ÁÛr}å^¦Á æðå¦^••Ás^-ð;^åÁ;¦Ás@ÁxT ŒÓÉÐUVÒKÁ/@ÁÛr}å^¦Áæðå¦^••Á; ˇ•œÁs^Ás^-ð;^åÉÁæ•Á;æð;^Á ^É; æðáÁ\*\c^¦•ÁðlÁ^b&Áæð;[}^{{ [\*•Á\*É; æðæ•ÉÅ
- ËÁ V@Á^Ë; æqā/Áænåå¦^••Á;¦Áó@ÁXTOÓÁæ)åÁo@Árœæqã;}ÁænÁå^~ā,^åÁ`}å^¦Áó@Ár^àÁOEå{ā,È
- EÁ V@ÁX[ā&^Á; ^••æ\*^Á&æ; Áa^Áæææ&@åÁq Ás@Á^É; æājÁ;[cãa&ææāj}Áæ•ÁæÁç æçÁāj^É£sÁs@Á

  Otroæ&@Á\* ^••æ\*^Á;]cāj}Áæ·Á\*}æà|^å ÉÁsÁæ\*ãæà|^å ÉÁs@Á;[cãa&ææāj}ÁÉ;æájÁá;[^•Á;[cÁs;&]\*å^Á
  æà Áæææ&@åÆ;æçÁāj^ÉÁ
- ÉÁ V@Á(¦{æÁ,ÂÛT VÚÁTæÃÂÛ^¦ç^¦ÁŒÂå!^••Á&æ)Áà^ÁÓÚç!Áæåå!^••Ē;¦{Á;¦ÁNŰŠË;¦{ÉÁ[Á ˇ•^Ás@ÁWŰŠË;¦{Áœåå!^••ÉÖÞÙÁÓÚÁŒåå!^••ÁÿÜÜŒÞŪÐÚÕT F€ÌĒÍŒÁ(ˇ•Æà^ÁS[}-ðã´¦^åÁ à^-{¦^œà)åÉnThe system supports SSL security when interfacing with mail servers.

#### **OPERATION**

Ù^• **c**^{

QÁ&[}-ði~¦^åÊÛÛ^•c^{ Áœĕ q[{ ææã8æa||^Án^}å•Án'E; æájÁq[Á][œã-Án/•^¦Á;-Á,n], Áx[æ8/ÁT^••æt^•ÈÁ

## **ADMIN PROGRAMMING**

# Pre-Programmed Data

Station VMIB Attribute (TRANS/PGM 108) ... page A-14

TRANS/PGM 108	BTN	RANGE	REMARK
IP ADDR Public IP Address required for remote user and Web-admin. IPv4 format.	1	-	10.10.101
SUBNET MASK Used to register a Phonatge to the System, by entering its User ID and Password.	2	-	255.255.0.0
ROUTER IP ADDR IP Address of router for external network (WAN/IP) access. Required for shared voice and data LAN and remote Web access.	3	-	10.10.10.254
FIREWALL IP ADDR 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.	4	-	0.0.0.0
DNS IP ADDR IP Address of Domain Name Server, which MBX IP will use to resolve URLs to an IP address. The DNS provides the resolution after receiving the name from MBX IP.	5	-	0.0.0.0
H.323 PORT H.323 UDP Port.	6	-	1720
SIP PORT SIP UDP Port.	7	-	5060
DHCP USAGE If this field is set to 'ON', the system gets the IP-address from the DHCP Server when it is booting.	8	-	Off
DIFFSERV Diff-Serv pretag value.	9	-	04

#### Station Data

Station VMIB Attribute (TRANS/PGM145) ... page A-40

TRANS/PGM 145	BTN	RANGE	DEFAULT
VMIB ACCESS Permits station access to VMIB.	1	0: Disable 1: Enable	Disable
PROMPT LANGUAGE INDEX Selected language type prompt is played to the user when accessing the VMIB.	2	1-3	1
AUTO-RECORD SERVICE Determines if user can record a conversation with another user (internal/external). It can be used without two-way record button.	3	0: Disable 1: Enable	Disable

VÜŒD-ÙBÚÕTÁRIÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
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VY UËY OËYÁÜÒÔUÜÖÁÖÒXŒÔÒÆËÄÖ^ơ\{ ¾ ^•ÁœÁæç^Á[8ææã]}Á;-Á V¸ [ËY æÂ^8[¦å^åÁ¸æçÁ¾*•KÅXTÁÓ[æåå•ÊÄ;¦ÁÚ@}œë^EÄY @}Á Ú@}œë^ÁæÁ^8[¦å^åÁ¸æçÁ¾*•KÅXTÁÓ]æåå•ÊÄ;¦ÁÚ@}œë^ÅÁ;}ÁœÁæèåÁåã\Á [-ÁœÆÚ@}œë^Á;[*¦æ;Êÿ•œ# ^åÁÚÔÈ	ĺ	Ë	XTÁÓ[æ¦å∙
ÜÒÔĖT ÙÕÁÓOĐŜSWÚÁÙVOĐĚĖ (@) Ár cæcāt }Á@e Ár^¸ Áç B& Ár æātÁ æç^åÁ [}Á@e Ár^¸ Áç B& Ár æātÁ æç^åÁ [] ká@ ÁRT Ág ơ!} ætÁ [] ætá }Át Ár ætá }Át ætÁ æt År ætÁ æt År ætÁ æt År ætÁ		Ë	Ë
Ó CHÔ S WÚÁT Ù Õ Á Ö Ò Š Ò V Ò ÁĐĐÁ ' @ } Á } æà   ^ å ĐÁÚ @ } æð ^ Á • ^ ¦ Ásæ) Ás ^   ^ & Á æ) Ás[ & & ^ Á; æ) Ás  ÁX TÁS; &   &   & & È	Ϊ	€KÁÖãræà ^ FKÁÒ}æà ^Á	Öãræà ^
XT ΦÁT ÙÕÁ\ŸÚÒÁËÄT^••æť^•Árḍ¦^åÁṣĀ,Ár@ÁXT ΦÁ; æíÁs^Árdārç^åÁ ājÁrāc@¦ÁraÁ2000UÁçã•dā;Ëã•dĒ; dOÁ;¦ÆS000UÁQæ•dā;Ëã•dĒ; dOÁ;¦å^¦Á àæ•^åÁ;}Ár@áÁr}d^È	Ì	€KÁŠOÖJU FKÁSOÖJUÁ	ŠŒJU
XT @ÓÁÞÒY ÁT ÙÕÁÞUÁEËÄÖã]  æÁk@A∫*{ à^¦Á; Á,^¸Á; ^••æ*^•È	J	Ë	Ë
XT ΦΙΑÛΟΧΟΑΤ ÙΘΑΦUΑΕΕΘΟΑΕ]  æ΄Ας@Α΄, ΄ à^¦Α΄, Α΄ æç^åΑ΄, ^••æ*^•È	F€	Ë	Ë

ÙT VÚÁT æ jÁÛ^¦ç^¦ÁQÚÁQĒ å¦^••Áō Á •^ÁWeb Admin W•^¦ÁT æ jÁQĒ å¦^••Á ÙT VÚÁT æ jÁÛ^¦ç^¦ÁQÖÁ ÙT VÚÁT æ jÁÛ^¦ç^¦ÁÚæ•¸[¦åÁ QĒcæ&@ÁT^••æ\*^ÁU] æ j}

#### **RELATED FEATURES**

XT QÓÁQ c^\*¦æc^åÁOE q ÁOEcåÐX[ã&^ÁT æáÁð Ár^^Á;æt^ HĒGÍÌ

# **HARDWARE**

XT QÓÁÁÁ

# Voice Mailbox Settings

The User can program personal Mailbox settings including a security password and a greeting. When a user presses 8 while retrieving messages, the Mailbox Setting prompt, ("To edit your greeting, press 1. To edit your password, press 2. To return to Main Menu, press 9.") is played.

#### CONDITIONS

- If the User is external (remote), the User must begin dialing within the CCR Analysis time, if not the call is released.
- If the dialed number is not recognized, the Invalid Entry prompt is played.
- The User must assign a password (Authentication Code= up to 12 digits) before access to the mailbox will be allowed.

**NOTE:** NOTE: Greeting does not need to be recorded.

#### OPERATION

To program Mailbox settings while using the Voice Mailbox:

Press 8 (Mailbox settings), the Mailbox Setting prompt is presented.

### To modify the Password:

- 1. Dial 2, the Password Entry prompt will be presented ("Please enter your new password and press # when finished.").
- 2. Enter desired new password and then press the # key; the Reenter Password prompt will be presented ("Please re-enter your password to confirm and press # when finished.").
- 3. Enter the new password again, then press the # key; the Password Confirmation prompt is presented ("Your password is saved.").

#### To modify the Greeting:

- 1. Dial 1, the Greeting Option prompt will be presented ("To listen to your current Greeting, press 5. To Record a new Greeting, press 7. To return to the Main Menu, press 9.").
- Dial 5, to hear your Greeting.
- 3. Dial 7, the Record Greeting prompt is presented ("At the tone, record your new greeting, press # when done.").
- 4. After the beep, record Greeting speaking in a normal voice.
- When finished, press the # key, the Greeting Confirmation prompt is presented ("Your greeting is saved.").

# To modify Mailbox Settings:

Ö ãæ þÁJĒÁS@ ÁT æ ĀÁÓ[¢ÁÙ^ccā]\*Á,¦[{] oÁS Á,¦^•^} c^å ÁÇAJ[Á\ååãoÁ[ˇ¦Á\;^^cā]\*ĒÁ,¦^••ÁFĒÁ[Á\åãoÁ ^[ˇÁ,æ••,[¦åĒÁ,¦^••ÁGĒÁ/[Á^č;}Aí,æā]Á,^}`ĒÁ,¦^••ÁJ-IDĒÁ

#### RELATED FEATURES

T^••æ\*^ÁÙ({ |æ\*^Ás Ár^^Á;æ\*^ HĒGÎ F
T^••æ\*^ÁÜ/^dæ\*çæÁs Ár^^Á;æ\*^ HĒGÎ H
Ü^{ [ @^ÁT^••æ\*^ÁÜ/^dæ\*çæÁs Ár^^Á;æ\*^ HĒGÎ Ï
T^••æ\*^ÁÜ/^dæ\*çæÁU] @{}}•Ás Ár^^Á;æ\*^ HĒGÎ J

#### **HARDWARE**

XT (Ó)ÁÁÁ

#### Call Forward from VMIB

Ò¢¢^¦}æḥÁV•^¦•Ásæ)ÁsæScāçæe^Á;¦Ás^æScāçæe^ÁÔæḥÁO[¦¸æåÁ[¦Ás@āÁ;ææā]}ĒÁÚ!^••ā]\*Á;Á¸@ǎ^Á ¦^dā°çā]\*Á;^••æ\*^•Á¸ājÁ^č¦}Ás@ÁTæāà[¢ÁÙ^œÁO[¦¸æååÄ;[{]dĒÁ

#### CONDITIONS

- EÁ QÁs@ÁN+^¦Án Án ¢ơ¦} αμÁÇ^{ [ơ ĐÁs@ÁN+^¦Á, ˇ• σÁs^\* ā) Án án áng Án Á
- $\vec{E} \vec{A} = \vec{A} \cdot \vec$

#### **OPERATION**

To activate Call Forward while using the VM:

- FÈ Ú¦^••ÂıÂ{;¦ÁTæājà[¢ÂÙ^ơÁZ[¦¸æååÊðs@Ás[;¦^•][}åãj\*Á¸![{]ơÁs Á^&^ãç^åÈÁ
- CÈ ÖænÁFÉÁc@ÁÚæ•¸[¦åÁÒ}d^Á¸¦[{]oÁsÁ¸¦^•^}&^åÁÇÁÚ|^æ•^Á\}ơ\Ác@Á¸ˇ{à^¦Áq Áq¦¸æåÁ d ÆÄÄDÁ
- HÈ Öã chắc  $^{\circ}$  ả  $^{\circ}$  ả  $^{\circ}$  ả  $^{\circ}$  ả  $^{\circ}$  à  $^{\circ}$  à

### To deactivate Call Forward:

- FÈ Ú¦^••Á;Á[¦ÁTæājà[¢ÁÙ^ơÁZ[¦¸æbåÉÁs@^Á&[¦¦^•][}åã;\*Á;¦[{]ơÁō;Á^&^ãç^åÈÁ
- GÈ Öã chÁCHŽÁC ÁU cæcā[} ÁZ[ | set å ā] \* ÁÔ æ) &  $\ A$  | A | [ { ] A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |

## **ADMIN PROGRAMMING**

### Station Data

# Station VMIB Attributes (TRANS/PGM 145) ... page A-40

TRANS/PGM 145	BTN	RANGE	DEFAULT
VMIB ACCESS Permits station access to VMIB.	1	0: Disable 1: Enable	Disable
PROMPT LANGUAGE INDEX Selected language type prompt is played to the user when accessing the VMIB.	2	1-3	1
AUTO-RECORD SERVICE Determines if user can record a conversation with another user (internal/external). It can be used without two-way record button.	3	0: Disable 1: Enable	Disable
TWO WAY RECORD ACCESS When allowed, the station can activate the Two-way record feature to record a conversation.	4	0:Disable 1:Enable	Disable
TWO-WAY RECORD DEVICE 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.	5	-	VM Boards
REC-MSG BACKUP STA 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.	6	-	-
BACKUP MSG DELETE When enabled, Phontage user can delete all voice mail in VM internal boards.	7	0: Disable 1: Enable	Disable
VMIB MSG TYPE 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.	8	0: LIFO 1: FIFO	LIFO
VMIB NEW MSG NO Display the number of new messages.	9	-	-
VMIB SAVE MSG NO Display the number of saved messages.	10	-	-

# Numbering Plan

# VMIB Access Code (TRANS/PGM 113) ... page A-19

BTN	FEATURE (TRANS/PGM 113)	REMARK
39	VMIB Access	523

### RELATED FEATURES

T^••æ\*^ÁÛ(; læ\*^Á5 Á\*^^Á;æ\*^ HĒCÎ F

T^••æ\*^ÁÜ/^dā\*çæ;Á5 Á\*^^Á;æ\*^ HĒCÎ H

Ü^{ [ æ\*ÁT^••æ\*^ÁÜ/^dā\*çæ;Á5 Á\*^^Á;æ\*^ HĒCÎ Ï

T^••æ\*^ÁÜ/^dā\*cæ;ÁÚ] æ¶; •Æ5 Á\*^^Á;æ\*^ HĒCÎ J

### **HARDWARE**

XT ÓÓÁÁÁ

# **Delete All VM Messages**

CEIÁN ^ ¦ÁXT ÁT ^ • • æ\* ^ Á&æ) Áà ^ Áå ^ | ^ c å Á • ā \* Ác@ ÁÖ ^ | ^ c ÁCIIÁXT ÁÖ ^ | ^ c ¤Á > æč ¦ ^ Á&I å ^ ÈÁ

#### **OPFRATION**

To delete all a user's VM Messages:

FÈ Öãæ ÁÖ^ |^ c^ ÁŒ IÁX TÁÖ^ |^ c^ ¤Á^ æc i '^ ÁSI å^ ÉÁ

 $(\hat{A}) c^{\dagger} \hat{A} = \hat{A} \cdot \hat$ 

HÈ Öã ĐÁTÁ ÇÔ 1/0 ch Á CHỊ ĐỀÁ

#### **ADMIN PROGRAMMING**

System Data

Ö^|^ & ÁQE|ÁXT ÁT ^•• æ\* ^ ÁÔ[ å^ ÁQVÜ QEÞ Ù ĐÚÕ T ÁFFH ĐÁS Á^ ^ Á&^ œæ • Á\} Á\ æ\* ^ QEÜ €

ÓVÞ	ØÒŒWÜÒÁÇVÜŒÐÙÐÚÕTÁFFHD	ÜÒT ŒÜS
ÌΪ	Ö^ ^¢^ÁŒ∥ÁXTÁT^••æ*^	îìF

#### **Direct VM Transfer**

Internal/External Calls can be directly transferred to a designated Station Voice Mail Box.

#### CONDITIONS

- VMIB Access option must be ON.
- If VMIB channel is all used, recalling is served to transferring station.

#### OPERATION

To activate Direct VM Transfer:

- 1. While on a CO/ICM Call.
- Press [Trans] button and dial the {Direct VM Transfer} feature code.
- Dial desired Station Number.
- Go on-hook; VM Transfer will be completed.

#### ADMIN PROGRAMMING

### System Data

Direct VM Transfer Code (TRANS/PGM 113) ... see details on page A-20

BTN	FEATURE (TRANS/PGM 113)	REMARK
89	Direct VM Transfer	683

# NomadSP Message Backup and Delete

MBX IP Softphone (NomadSP or UCS Clients) can be notified of voice mail for a Registered Station on MIB boards. Softphone users can check their own voice mail and hear recorded voice mail of registered stations. Also, Softphone users can backup voice mail to their PC, and then can manage their voice mails. User can delete voice mail on VMIB boards, according to their assigned authority.

#### CONDITIONS

- Phontage backup will be operated when messages are saved at VMIB boards.
- If Backup Message Delete is executed, voice mails at target station will be deleted in VMIB boards.

#### **OPERATION**

Message Backup and Delete function is automatic (refer to Softphone User Guide for user operation).

#### ADMIN PROGRAMMING

#### Station Data

Ü^&[¦åÁT^••ať^ÁÓæ&\`]ÁÚ@}cæť^Áp`{à^¦ÁÇVÜŒĐÙĐÚÕTÁFIÍÆÄØŠÒÝÂÎDÁSÁ\^^Á&^œá‡•Á [}Á,æť^ŒÍ€

VÜŒD-ÙÐÚÕTÁFIÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÜÒÔĖT ÙÕÁÔŒÔSWÚÁÙVŒÄĒÁV @}Ácæeā;}ÁœeÁ^¸Áş[æKÁ;æĀÁæç^åÁ [}ÁœÁTÁjơ¦;æÁÉ[æÁªĒĠœÁj-{¦{ææā;}ÁrÁ^][¦ơåÁgÁs@Á敪ð;}^åÁ Ú@}œð^Á,~{à^¦BĂÚ@}œð^Á•^¦ÁsæjÁsæ&)~]Áæç^åÁş[æKÁ;æÁÁ;æÁÁ]{{Á XTÁjơ¦;æÁs[æÁ•ÁgÁœÁæáÁsã\\Áj-Ás@ÁÚ@}cæð^Á ]¦[*¦æĘËj•œฝp^åÁÚÔÈ		Ë	Ë

Óæ&\`]ÁT^••æ\*^ÁÖ^|^«^ÁQ\ÜŒÞÙÐÚÕTFIÍÆÄØŠÒÝÂIDÁSÁ^^Á&^œ#•Á;}Á;æ\*^ŒĦ•Á;}Á;æ\*^

VÜŒÞÙÐÚÕT ÁFIÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
Ó CTÔ S WÚÁT Ù Ő ÁÖ Ò ŠÒ V Ò ÁTÉÝ @} ÁN} æà   ^ å ÉÁÚ @} œë ^ Á • ^ ¦ Ásæ) Áš ^   ^ ¢ Á æ  Ás   ^ ¢ Á æ  Ás   ^ ¢ Á æ  Ás   A ¢ Æ  Ás   Æ  Æ  Æ  Æ  Æ  Æ  Æ  Æ  Æ  Æ  Æ  Æ  Æ	Ϊ	€14Öãræà ^ F14Ö}æà ^Á	

# **System Voice Memo**

#### CONDITIONS

ËÁ Ø[¦ÁùCææā[}ÁùCææč•ÉÁæ°{•Á·[{ÁÁŠãē c°åÁ;^•••æ\*^Áş+Áş(ÁAĜUÙÁş+Á¸ā|Áà^Áş[óÁà^Áæ}}[ĭ}&^åÁ ãÁ,[óÁæ&cā;^ÈÁ

#### **OPFRATION**

#### Digital Phone

To hear Date & Time Prompt:

FÈ ÖãæþÁ,Ù^• c^{ ÁK[ å&^ÁT^{ [ÁOE]}[  $^{\times}$ } &å,  $^{\times}$ ÁÖææ^ÐVā[ ^Á&[ å^ $^{\times}$ DÁ

To hear Station Number Prompt:

FÈ ÖãæþÁ,Ù^•c^{ ÁX[ å&^ÁT ^{ [ ÁO]; } [  $^{\times}$  &å] \* ÁÛcææã[ } Áp $^{\times}$  { à^! Á&[ å^¤ÈÁ

GÈ V@ ÁÙ caeaa[} Á,  $^{*}$  {  $\dot{a}$  \|  $\dot{A}$   $\dot{a}$   $\dot{a}$  \|  $\dot{A}$   $\dot{a$ 

## To hear Station Settings:

- 1. 1Dial {System Voice Memo Announcing Station Configuration code}.
- 2. Status for the Station is reported. Items reported are as follows:
  - Station IP Address
  - Station Mac Address
  - Station ICM Mode (Handsfree/Tone/Privacy)
  - Listed message x (x: number of all messages waiting)
  - Wake-Up Time (hh:mm)
  - Do not disturb COS x

#### Single Line Phone

### To hear Date & Time Prompt:

- Lift the handset.
- Dial {System Voice Memo Announcing Date/Time code}.
- Announcement for Time is heard, "Date is May 2nd. Time is xx:xx pm."

### To hear Station Number Prompt:

- Lift the handset.
- Dial {System Voice Memo Announcing Station Number code}.
- Announcement for Station is heard, "This is station 150."

#### To hear Station Settings:

- Lift the handset.
- 2. Dial {System Voice Memo Announcing Station Configuration code}.
- Status for Station is reported. Items that will be reported are as follows:
  - Station number
  - Station IP Address
  - Station Mac Address
  - Station ICM Mode Handsfree/Tone/Privacy)
  - Listed message x (the number of all messages waiting)
  - Wake-Up Time (hh:mm)
  - Do Not Disturb
  - Queued CO/IP xx
  - Locked (temporary COS change)
  - COS x

## **ADMIN PROGRAMMING**

#### Station Data

Ù cæđą} ÁKT CÓÁ CĒC I ĐÃ Č^•ÁÇ VÜ CĒP Ù ĐÚ Õ TÁFI Í DÁS ÁJ æ  $^{\circ}$  CĒË €

VÜŒÞÙÐÚÕTÁRIÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
XT ÓDÁCEÔÔÒÙÙÁEÉÁÚ^¦{ã•Árcæái}}Árcæái}Árcæái}Árcæái}	F	€MÁÖãræà ^ FMÁÒ}æà ^Á	Öãræà ^
ÚÜUTÚVÆGŒÞŐWŒŐÒÁŒÞÖÒÝÆŒÄÛ^ ^&&åÁæ)**æ*^Æ;]^Á;¦[{]ďæÁ ] æ^åÁţÁœÁ•^¦Á,@}&&&&••ą*ÁœÆKTÓŒÈ	G	FËH	F
ONUU EÜ ÒÔUÜ ÖÁÙ ÒÜ X ΦÔÁ EĞ Ö ^ Ø ¦ { ¾ ^ • ÁSÁ • ^   ÁSÆ) Á ^ &[   å ÁSÁ &[   å ÁSÁ &[ ] ç ^   • æ æð[ ] Å, ã @ ÁS ] [ c @   Á • ^   ÁG] Ø   } æÞ ¢ Ø   } æÞ Æ Å Å Å Å • ^ å Á ¸ ã @ Ý Š [ Ë æ Á ^ &[   å ÁS č æ[ ] È	Η	€1ÁÖãræà ^ FKÁÒ}æà ^Á	Öãræà ^
VY UÁY CLŸÁÜÒÔUÜÖÁDEÔÔÒÙÙÁEÉY @ }Áse  ¸ ^åÉás@ Ár cæsá[}Ásæ)Á æskaáçæc^Ás@Áy, [Ë; æ Á^8[¦åÁ^æcï¦^Át[Á^8[¦åÁsæks[}ç^!•æsá[}È	I	€lÖãræà ^ FlÒ}æà ^Á	Öãræà ^
VY UËY OËYÁÜÒÔUÜÖÁÖÒXÔÔÀŒÄÖ^ơ¦{ ¾^•ÁœÁæç^Á[8ææã]}Á;-Á V¸ [ËY æÁ^8[¦å^åÁ¸æçÁð^•KÅXTÁÓ[æåå•ÉÄ;¦ÁÚ@}œë^EÄY @}Á Ú@}œë^Æx Ár/8&cåÉÄ^8[¦å^åÁ¸æçÁð^•Áæç^Áæç^åÁ;}ÁœÁææååÁåã\Á [-ÁœÁÚ@}œë^Áj¦[*¦æ{ËØ•œdh^åÁÚÔÈ	ĺ	Ë	XTÁÓ[æ¦å•
ÜÒÔÏT ÙÕÁÔŒÔSWÚÁÙVŒĨÏÄY @}Áœæāj}ÁœæÁ^¸Áç[æXÁ;æājÁæç^åÁ [}ÁœÁTÁjơ¦}æbÁ[æåªĒŠœòÁj-{¦{ææāj}ÁrÁ^][¦ơåÁgÁœÁ檳}^åÁ Ú@}œë^Áj~{à^¦BĂÚ@}œë^Á-^!Áææ}ÁsæðŰ]Áæç^åÁg[æðÁ;æðÁ;æðÁí; XTÁjơ¦}æbÁ[æåªÁgÁœÁæáÁsã\ÁjÆœÁÚ@}œæ³Á ]¦[*¦æ{Ēj•œd ^åÁÚÔÈ		Ë	Ë
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XT ΦÁT ÙÕÁ/ŸÚÒÁËÄT ^••æť ^•Á qí¦^åÁsjÁs@ÁXT ΦÁ; æíÁs^Á^dæíç^åÁ ājÁrão@¦ÁæÁZOZUÁÇã•däjËã•dË; doxi¦ÁSOZUÁÇæ•däjËã•dË; doxi¦å^¦Á àæ•^åÁ;}Ás@áÁs}d^È	Ì	€KÁŠOZU FKÁSOZUÁ	šogu
XT @ÓÁÞÒY ÁT ÙÕÁÞUÁEEÄÖã]  æÍÁ®Á,Í, í à^¦Á; Á, ^, Á; ^••æt^•È	J	Ë	Ë
XT ΦΑÛΟΚÒΑΤ ÙΘΑΡUΑΕΘΘΑ΄    æλωθΑ΄ { à^¦Α;ΑΑες^åΑ; ^••æ*^•È	F€	Ë	Ë

# Numbering Plan

XT (ÓÁ) $28^{-4}$  ÁÔ[ å^ÁÇVÜ (JÞ) Ù ĐÚÕ TÁFFHDÁS Á, æ\* ^ (C#J)

ÓVÞ	ØÒŒVVÜÒÁÇV܌РÙÐÚÕT ÁFFHD	ÜÒT ŒÜS
HJ	XT CÓÁCIB&^••	ÍСН

Wake-up Alarm 3-283

Chapter 3: System Features

# Wake-up Alarm

This feature allows a User or Attendant to set a Wake-Up time or desired time to be alerted. When the time is reached, the System will signal with an audible and visual notification.

#### CONDITIONS

- When receiving a Wake-Up signal, lifting the handset will return Wake-Up Answer Tone.
- The Wake-Up alarm ring signal follows the Ring Table.
- If the User does not answer the Wake-Up Alarm ring, it is repeated according to the Wake-Up Retry Counter with the interval of Wake-Up Retry Timer.

**NOTE:** The value 'N' of the Wake-Up Retry Counter means that 'N' repetition of Wake-Up Retry can occur after the first Wake-Up Alarm ring occurs.

The wake-up alarm ring will recur according to the Wake-up Retry Time and continues during Wake-Up Alarm Ring Timer.

If no action is taken by the User until the end of the Wake-Up Retry Counter, the ring signal is presented at the Attendant Station with a display designating the Station number that did not respond to Wake-Up Alarm.

- Time (hh:mm) must be entered in the Military format (24-hour).
- The Daily Alarm will reset and repeat each day until erased (cancelled), however,
   One-Time Alarm will reset and cancel automatically.
- When registering Wake-up Time, if user dials 1, then the One-Time Alarm will be set or if User dials 2, then the Daily Alarm will be set.

#### OPERATION

#### System Attendant

To register a Wake-Up Alarm:

- 1. Press the [TRANS/PGM] button.
- 2. Dial 045 (Attendant Station Program code).
- Dial the desired Station range; for a single station, enter the same Station Number twice.
- 4. Enter Time for Alarm (hh:mm).
- For a Daily reminder (Repeating Alarm), dial #. 6. Press [HOLD/SAVE] button.

# To erase Wake-Up Alarm:

- FÈ Ú¦^••Ás@ÁŽ/ÜŒÞÙÐÚÕTÁÁaˇcd;}ÉÁ
- HÈ Öãn (Ás@ Ás^•ã^åÁ) cœaã; } Áza) \*^LÁ; lÁsaÁ ã; \* |^Ár cæaã; } ÉÃ\} c^lÁs@ Ár æ; ^Ár cæaã; } Á, ˇ{à^lÁ c; ã&^È
- IÈ Ú¦^••ÁÃPUŠÖÐÙOXÒÁÁaˇcd;}È

#### **Digital Phone**

# To register Wake-Up Alarm:

- FÈ Ú¦^••Ás@AÃ/ÜŒDĐĐÕTáÁà co{}È
- QÈ Öã đÁT HÁÙ n CÁY AN NË ] ÁN Å N PÀ
- $I \stackrel{.}{\to} Q [ \frac{1}{4} \frac{A}{2} \frac{A}{2} ] ^{2} = A \stackrel{.}{\to} A \stackrel{.}{$
- ÍÈ Ú¦^••ÁÃPUŠÖÐDÙOXÒáÁà°cof}ĚÁÁ

# To stop the Alarm when alerting:

ŠãaÁs@ Á@a) å•^a/i ¦Á; ¦^•• ÁĬÙÚÒOES ÒÜ áĒÁÁ

# To erase Wake-Up:

- FÈ Ú¦^••Ás@ÁŽ/ÜŒÞÙÐÚÕTÁÁ°Œ{}ÉÁ
- Œ ÖãæţÁFIÁ,Òlæ•^ÁYæ\^Ë]Á&[å^¤È
- HÈ Ú¦^•• ÁÃP U ŠÖÐÙ OÐX ÒÁÁS ° CC[ } ĐÁÁ

# Single Line Phone

# To register Wake-Up:

- FÈ ŠãoÁc@ Á@ed å• ^ dÈÁ
- Œ Öãæ Á @ ÁÚ¦[\*¦æ ÁT [å^ÁOE& «•Á& [å^¤LÁ& [}-ã{æã;}Á;}^Á;}^Æ Á@æ å ĚÁ
- HÈ Öã ĐÁTHÁ Ù ^ CÁY ĐÀ ^ Ë ] ÁS[ å ^ ÞÉÀ

- ÎÈ Ú¦^••ÁP[[\ɦæ•@Ésa)åÁ&[}-{¦{æeã[}Á[}^Ás;A∫:[çãå^åÈÁ

# To stop the Alarm when alerting:

ŠãoÁc@ Á@e) å•^dĚÁ

Wake-up Alarm 3-285

Chapter 3: System Features

### To erase Wake-Up Alarm:

- 1. Lift the handset.
- 2. Dial the {Program Mode Access} code; confirmation tone is heard.
- 3. Dial 14 {Erase Wake-up code}.
- 4. Press Hook-flash, and a conformation tone is provided.

#### ADMIN PROGRAMMING

#### Station Data

Wake-Up Time (TRANS/PGM 134 - FLEX 8) ... page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
WAKE UP SET sets wake-up time.	8	HH:MM	-

Repeat Wake-up (TRANS/PGM 134 - FLEX 9) ... page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
WAKEUP REPEAT enables daily repeating alarm.	9	0:Off	Off
		1:On	

#### Table Data

Wake Up Answer Tone ... use Web Admin (TRANS/PGM 290 - FLEX 65) ... page A-138

INDEX	TONE NAME	DESCRIPTION			
65	Wake-up Answer Tone	This is provided when station answers wake-up ring.			

Wake-Up Indication Ring ... use Web Admin (TRANS/PGM 265 - FLEX 10) ... page A-115

INDEX	RING NAME	REMARK
10	Wakeup Indication Ring	-

# Tenant Data

# $Y \nota \land \mathring{\mathbb{E}} \mathring{\mathbb{N}} \mathring{\mathbb{A}} \mathring{\mathbb{U}} \land \mathring{\mathbb{C}}  \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} {\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}}} \mathring{\mathbb{C}} {\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} \mathring{\mathbb{C}} {\mathbb{C}} \mathring{\mathbb{C}} {\mathbb{C}} \mathring{\mathbb{C}} {\mathbb{C}} {$

VÜŒÞÙÐÚŌTÁGÌ€		ÜŒÞÕÒ	ÖÖØŒVŠV
Y 00SÒÁNÚÁÜÒVÜŸÁÔUWÞVÁŒÄ\$^&¦{ ãj^•Ás@ÁY æ\^ÁNJÁ^d^Á&[ˇ}dÈ	ĺ	€Ĭ	Н

# $Y \nota \stackrel{.}{\text{A}} \mathring{\text{A}}  \mathring{\text{A}} \mathring{\text$

VÜŒD-ÙÐÚĀÌ€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
Y CESÒÁNÚÁÜÒVÜŸÁ/QTÒÁËËÁA^¢¦{ āj^•Ás@ÁY æà^ÁNJÁ^d^Ásāj ^ÁQ āj DÈ	Î	€€ËŒ	€F

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Release 1.7 April 2012

### Chapter 4

# Intercom

This chapter provides detailed information covering description and operation of the Intercom features available in the MBX IP System Software.

# Direct Station Select/Busy Lamp Field (DSS/BLF)

When a Flex button on a Digital Phone or DSS Console is assigned as a {DSS} button, it also serves as a Busy Lamp Field (BLF). The LED indicates the status of the associated Station or System facility.

{DSS} button indicates the following conditions:

- In use at Station
- In use by another Station
- DND
- Receive Incoming Call
- Hold
- Call Forward
- Conference at Station
- Conference by another Station
- Conference Initiator
- Lifted handset
- Leave pre-selected (custom) message

#### CONDITIONS

- A Station receiving an ICM call is considered Busy, and associated station LEDs will flash at all other stations.
- A Station receiving an ICM call will receive visual LED Flex button indication (flashing) associated with the Calling Station.
- The LED Flash Rate can be adjusted by Admin. Programming.

Chapter 4: Intercom

#### **OPERATION**

### Digital Phone

To assign a {DSS} button to a Flex button on a Digital Phone or a DSS Console:

#### **PROGRAMMING**

Station Data

Ùææai } ÁØ|^¢aai|^ÁO` œ[ } ÁŒ•at }{ ^} œÁÇVÜŒÞÙĐÚÕT ÁFGÎ DÁS Á•^^Ás^œæai•Á; } Á;æt^ ŒŒSU System Data

ŠÒÖÁÔ[|[¦BØ|æ@ÁÜæ&ÁQVÜQÐÐÙÐÚÕTÁGHIDÁSÁ^^Á&^æ\$pÁ;}Á,æ\*^ŒËÚ

#### RELATED FEATURES

Q c^ \ 8[ { \hat{A}\hat{Q}\hat{Q}\hat{Q}\hat{D}\hat{T} \hat{A}\ha

# Intercom Call (ICM Call)

 $\begin{array}{l} \text{CEA}[\ ] \ddot{\text{Ea}}[\ \&\&\ \ddot{\textbf{a}}\ * \ \acute{\textbf{A}} \ddot{\textbf{D}} \ddot{\textbf{D}}\ * \ \acute{\textbf{A}} \ddot{\textbf{a}} \ddot{\textbf$ 

#### CONDITIONS

- EÁ Q, cº | 8[{ÁÖ and Át]}^Á, ā|Ánā ^É; ofsiÁnseat]}Án Á [ofsea ^}Á, āno@n ÁÖ and Él/[}^Á/ā, ^Á; lásiÁn@ Á
  cā ^Ás^c, ^^}Án ãn Ár¢8^^a -Án@ ÁQ, cº | Én at ānÁvā ^|ÁQD||[|Áq[}^Án Á], |^•^} cº a Á, @}Á
  cā ^É; ofs 88° | DDÁ
- ËÄ QÔTÁÖãæþÁq[}^ÁanA^{[ç^åÁæee^\kåãædpā]\*Ás@Aã•oÁåå•oÁååããŒÄ
- EÁ QÁs@ÁÔæ|^åÁÛææā[}ÆaÁÓ\*•^ÊÁQ¢\*!&[{ÁÓ\*•^Áq[}^ÆaÁ;|[çãā^åÁ;|Ás@ÁÓ\*•^Á/[]^Áæā]^ÁÇÁ •^&[}å•□ÆÁ®}Ás@ÁÖ!|[|Áq[}^ÆaÁ\*)&Ás@ÁÚ\*•¢\*{LÁs@Ásæ|^|Á;æÁsãa&[}}^&oÁ;!Á æ&cā;ææ\*ÁæÁ\*æč:|^Á\*&®Áæ\*ÁT^••æ\*^Á\*æäŒĐâe|àæ&\Á;!ā[lÁq[Ás@Áā]^Ë;\*dĚÁ
- Ε΄Α Ø[ ¦Α̈́Oā ãæ μΑ˙Ū @ } ^ A˙ ^ !• Ê&[ ] ^ &` cãç ^ ÁQ cº ! &[ { Á& cal|• Á& cal|• Á& cal|• Á\$ [ Á \* cal|• Á \* cal|• Á\$ [ Á \* cal|• Á \* cal|• Á \* cal|• Á \* cal|• Á\$ [ Á \* cal|• Á \* cal|• Á \* cal|• Á\$ [ Á \* cal|• Á \* cal|
- EÁ OE; ÁQ; c^|&[{ Á&æ|Ág ÁæÁUææā]}ÁB; Ás@Á[}^Á; |Áx[&&AOE;}[`]&^Á; [å^ÁQ; A¸E] (Å ÚÂQ; c^|&[{ Á ÚÂ; c^|A¸E}] \$a^|^A¸E] \$a^|^A, \$a^

### Operation

#### **Digital Phone**

To place an Intercom call:

- 1. Lift the handset or press the [SPEAKER] button to receive the ICM dial tone.
- 2. Dial Station number or press the {DSS} button.
- 3. For Ring-Back tone, await answer. OR
- 4. For Intercom splash-tone, speak and await answer.

#### SLT

To place an intercom call:

- Lift the handset to receive ICM dial tone.
- 2. Dial Station number.
- 3. For Ring-Back tone, await answer.
- 4. For Intercom splash-tone, speak and await answer.

#### **PROGRAMMING**

### Numbering Data

Flexible Station Number (TRANS/PGM 112) ... see details on page A-16

TRANS/PGM 112	BTN	RANGE	REMARK
STATION NUMBER (edit by range)	1	Start station number & End station number	Delete all station numbers and update entered station number range only.
SINGLE STATION NUMBER (edit)	2	One station number	Bin 001-324 (MBX IP 300), bin 001-128 (MBX IP 100): 1 number per one station port (My-DNs for each stations).  Bin 325-648 (MBX IP 300), bin 129-256 (MBX IP 100): Free station numbers for MADN type or extra SADN type numbers (Sub-DNs).

Feature Numbering Plan (TRANS/PGM 113) ... see details on page A-17

Chapter 4: Intercom

# System Data

ŠÒÖÁÔ[|[¦Đơ]æ•@ÁÜæc^ÁÇVÜŒÞÙĐÚÕTÁGHIDÁSÁ^^Á&^œæf•Á;}Á;æť^ŒÐÍ Q;c^¦ÁÖðããóAða;^¦ÁQVÜŒÞÙÐÚÕTÁGGGÁËØŠÒÝÁHDÁSÁ^^Á&^œæf•Á;}Á;æť^ŒÐÍ

VÜŒÞÙÐÚÕTÁGGG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
Φ V ÒÜÁÖ Φ O VÁT ÜÁEÄÜ Λο•Á Φ Á; æçã; ˇ{Á Φ ∥; ^å Á δ Ā; ^Á δ ^ç ^^}Á • ^¦Á å ã Φ † ^å Ásã ã o LÁ Φ Á ∱ jã æçã; }Ê Φ Φ ^ ¦Á j Á ∱ A ^ & ˆ Ç ^ Á Φ À Å; [¦Et] } ^ È	Н	<del>€€ÏH€€</del> Á <b>Ģ^&amp;</b> [}å•D	€FÍ

#### RELATED FEATURES

Qxc^\&[{ ÁÛāt}æ4āj\*ÁT[å^Ás Án^Ájæ4^ÎËFF Ù]^æ4^\]@{}^Ás Án^Ájæ4^ÎËFJ

# Intercom Call Hold

#### CONDITIONS

- ÉÁ CE-e^¦Áj|æ&ãj\*ÁæÁÔæ|Áj}ÁP[|åÉÁs@ÁÛææāj}Á^č¦}•Áq[ÁæjåÁs@ÁV•^¦Á&æ)Á;æè^Áæj[c@¦Á &æ|È
- ËÁ QÁS@ÁN+^¦Ás Ás Ás)ÁU~ËP[[\ÁÛcæc\*•Á, @}Á, |æ&ð; \*ÁscÁsæl|Á;}ÁP[|åÊÁs@Ás æd;Ás]}^Æs Á@æbåĚÁ

#### **OPERATION**

#### **Digital Phone**

To place an active call on Hold:

Ú¦^••Áx@ ÁÃPUŠÖÁÁaˇ cd[}ÉÁse)åÁœe)\*Á]LÁx@ ÁPUŠÖÁàˇ cd[}Á, āļÁļæe @È

To retrieve the held call:

Ú¦^••Ác@ÁPUŠÖÁàč cq[}ÁsetæājÈ

### **SLT**

To place an active ICM Call on Hold:

FÈ Ú¦^••Ás@^ÁP[[\˸ã&&@Ás`¦ā;\*ÁsæÁs[}ç^¦•ææā[}È

 $\begin{array}{lll} \text{ $C\hat{E}$} & \tilde{\partial} \tilde{a} + \hat{A} \hat{U} \cdot e^{\lambda} \{ \hat{A} \cdot \hat{A$ 

### Replace the handset.

To retrieve the held ICM call:

Lift the handset; station is connected with the Held party.

#### **PROGRAMMING**

Numbering Data

Feature Numbering Plan ([TRANS/PGM] 113) ... see details on page A-17

#### RELATED FEATURES

```
Music-On-Hold (MOH) ... see page 3-123
Intercom Call (ICM Call) ... see page 4-2
Hold ... see page 3-101
Hold Recall ... see page 3-102
```

# **Intercom Caller Controlled ICM Signaling**

A User can change the Signaling mode of an ICM call from Tone ring to Voice announce.

#### CONDITIONS

- The ICM Signal mode cannot be changed if the Called Station number is {MADN}.
- If the Signaling mode is changed, the Call is not subject to Call Forward, No Answer.
- The Signaling mode for a specific Intercom call can only be changed once and cannot be changed back to the original Signaling mode.
- Changing the Signaling mode does not affect privacy at the Called Station.

#### **OPERATION**

To change the ICM Signaling mode:

- Dial (Force HF Calling Code).
- Place intercom call, OR
- Place intercom call.
- 2. Dial #

Chapter 4: Intercom

#### **PROGRAMMING**

#### Station Data

QT | 8^ å AP að å • 4^^ ÁCB88^ • • ÁÇŽ/Ü CEÞ Ù ĐÚ Õ T ÁF HGÁËÁZŠÒÝ ÁF DÁS Á ^^ Á\$ ^ CÆÐ • Á } Á að ^ CÆÐ H

Ž/ÜŒ∍ÙÐÚÕT ÁFHG	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ØUÜÔÒÖÁPŒÞÖØÜÒÒÁŒÔÔÒÙÙÁËËÁ @}Á; æ&æð;*Áæð;Áā; <ol> <li>*A;jásæð;ásæð;*^Ásæð;ÁtóTÁ;ð}æð;*Á;[å^ÊM[}^ÁÜð;*Á;Áræð;å*Á;^^Á</li> <li>*A;jásæð;ásæð;*^Ásæð;ásæð;*Á;[å^ÊM]}^ÁÜð;*Á;[å^ÊA</li> <li>*A;jásæð;ásæð;*/Ásæð;ásæð;</li> </ol>	F	€1ÁÖãræà ^ F1ÁÖ}æà ^	Öãræà ^

### Numbering Plan

Ø[¦&^åÆPæ)å•√^^ÆÔ[å^ÆŽVÜŒĐÙĐÚÕTæÆFHDÆ Æ^^Æ, œë^ ŒËJ

ØÒŒWÜÒÁÇŽVÜŒÞÙÐÚÕT ÁFFHD	ÓVÞ	ÜÒT ŒÜS
Ø[   &^åÆ æ} å• +/^^ÆOæ	ĺJ	ÍHÏ

#### RELATED FEATURES

Qc^\&[{ ÁÛā}}ædā\*ÁT[å^Áō Á^^Á;æ\*^Î #F

# **Intercom Lock-out**

 $\begin{array}{l} \text{GÁr@} \land \text{N} \bullet \land \text{I} \text{ Ázea} \land \bullet \land \text{I} \text{ Azea} \land \bullet \land \bullet \text{ Azea} \land \bullet \text{ Azea} \land \bullet \land \bullet \text{ Azea} \land \bullet$ 

#### CONDITIONS

EÁ QÁs@ÁÙcæaā[}Ána Ásæ•aī]^åÁ, ās@Ás@ÁP[; |^¦Á/[}^ĒÁs@ÁÒ|¦[¦Á([}^Ána Á;|^•^) & å ÁsæÁs@Á ^¢]ālæaā[}Á, Ás@ÁÒ|¦[¦Á/[}^Á/ā, ^¦ÉV@ÁP[; |^¦Á/[}^Ána Á;|^•^} & åÁ([¦ÁÁs@ÁP[; |ā]\*Á V[}^Á/ā[^¦Á\*¢]ālæaā[}ĒÁsp}åÁs@ÁÙcæaā[}Æna Á;|æ&^åÁ([čd‡,-Ē•^¦çæ&^ÁQ[&k][čóAsp}åÁ;ā^} & ĎÉ

### **OPERATION**

#### <u>System</u>

U]^|acaā[}Á[-ÁQ-c^|8[{ ÁŠ[&\[`óÁn Ásĕd[{ acaā8Án æ-^åÁn}}Ás@ ÁÖāacḥÁn[}^ÁBÁQ-c^|EÖāāóÁd[~|•ÈÁÁ

Intercom Step Call 4-7

Chapter 4: Intercom

#### **PROGRAMMING**

#### Station Data

Howler Tone ([TRANS/PGM] 121 - FLEX 7)... see details on page A-24

[TRANS/PGM] 121	BTN	RANGE	DEFAULT
HOWLING TONE sets Anonymous Call Restrict service.	7	0: Off 1: On	On
		1: On	

#### Tenant Data

Dial Tone ... use Web Admin ([TRANS/PGM] 290 - FLEX 1-2)

# Intercom Step Call

When the Busy Tone is received on a dialed Intercom call, the User may place a call to another Station by dialing the last digit of the Station number. The System replaces the last digit of the previously dialed Busy Station with the dialed digit and places an Intercom call to the new Station number.

### CONDITIONS

- If the user dials the last digit of the Busy Station, Camp-On will be activated.
- After receiving a Busy tone, if the user takes no action for the Busy Tone Timer (7sec.), the System will start the Intercom Lockout procedure.
- If programmed, Step call is supported.

#### **OPERATION**

#### Digital Phone

To activate Step call:

- 1. While receiving Busy notification on a dialed ICM call, dial a digit other than the last digit of the busy Station intercom number.
- 2. The System will attempt an ICM call to the new Station.

#### PROGRAMMING

#### Tenant Data

Internal Busy Tone ... use Web Admin ([TRANS/PGM] 290 - FLEX 8)

# Ùc^] ÁÔæ|ÁQŽ/ÜQEÞÙÐÚÕT ÁGHÏ ÁEÁØŠÒÝÁFDÁ

Ž/ÜŒDÙÐÚĀT ÁÐHÏ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙVÒÚÁÔCIŠŠÁĒËÁA^¢\{ \$}^•ÁAÁÚ¢]ÁÔæ ÁaÁ\; àà ^åÁ;¦Ááãææ ^åÈ	F	€M/Öãaæà ^ FM/Ö}æà ^	Öã æà ^

# Intercom Transfer

#### CONDITIONS

- ËÁ V@ÁZOÔT áÁs` œ[}Á; [çãã^•Áæ)Áæ]]^æbæ)&^Á[¦Ás@Ásæ)•-^¦¦^åÁsææā[}LÁs@ÁŠÒÖÁ ājåã&ææ^•Ásæè •Áæ)åÁ;!^••āj\*Ás@Ás` œ[}Ás[}}^&æ•Á[Ás@Ásææā]}ÈÁ
- EÁ QÁs@Á^&^ãçāj\*ÁÛcæaāj}ÁspÁsi\*•^ÊÁs@Á/læj•-^!¦āj\*ÁÛcæaāj}Á;æÁôæ{]ËU}Ás@ÁsæþÁæAk@Á Ó`•^ÁÛcæāj}ÁÇ^-^!ÁÇÁÔæ{]ËU}DÈ
- ÉÁ CEÁUcæana[}ÁSJÁÖÞÖÁ;ÍÁ;ઁŒË,^Ë^¦çã&^Ásæa)}[ơÁ^&^ãç^ÁsæÁv!æ)• -^¦ÉÁsæ)åÁr¸&@Ásææc^{]o•Á,āljÁ ¦^• ઁ|oÁsJÁsæ)ÁÖ¦|[¦Ás[}^ÈÁ

#### **OPERATION**

#### Digital Phone

To perform a Screened ICM transfer, while on an ICM call:

- FÈ Ú¦^•• ÁŽ/ÜŒĐ ÙáÁà ° cq[ } ÈÁ
- $H\dot{E} Y @ \} \dot{A} = ^{^{^{^{^{^{^{^{0}}}}}}} \cdot ^{^{^{^{^{^{^{^{0}}}}}}}} \dot{A} = ^{^{^{^{^{^{^{^{0}}}}}}}} \dot{A} = ^{^{^{^{^{^{^{0}}}}}}} \dot{A} = ^{^{^{^{^{^{0}}}}}} \dot{A} = ^{^{^{^{^{0}}}}} \dot{A} = ^{^{^{^{^{0}}}}} \dot{A} = ^{^{^{^{^{0}}}}} \dot{A} = ^{^{^{^{^{0}}}}} \dot{A} = ^{^{^{^{0}}}} \dot{A} = ^{^{^{^{0}}}} \dot{A} = ^{^{^{^{0}}}} \dot{A} = ^{^{^{0}}} \dot$
- IÈ Pæ),\*Ë]ÊÉæ),åÁn^c'¦}Áq[ÁGa|∧ÈÁ OR
- FÈ Ú¦^••Ás@ÁÖÙÙĐÓŠØÞÁàč cd[}Á[¦Ás@Áå^•ã^åÂÛcæðā[}ÈÁ
- $(\hat{A} \times \hat{A}) = (\hat{A} \times \hat{A} 
- HÈ Pan) \*Ë] ÉÁNH) åÁn c'¦}Á([ÁQ] | ÞÉÁ

Intercom Transfer

Chapter 4: Intercom

While on an Intercom call, to perform an Unscreened call transfer:

- 1. Press the [TRANS] button.
- 2. Dial the Station to receive the call.
- 3. Hang-up, and return to Idle. OR
- 1. Press the {DSS/BLF} button for the desired Station.
- 2. Hang-up, and return to Idle.

#### SLT

To perform a Screened transfer of an active Intercom call:

- Press the Hook-switch.
- Dial the Station to receive the call.
- 3. When answered, or on Splash tone, announce the call.
- 4. Hang-up, and return to Idle.

While on an Intercom call, to perform an Unscreened call transfer:

- Press the Hook-switch.
- 2. Dial the Station to receive the call.
- 3. Hang-up, and return to Idle.

#### **RELATED FEATURES**

```
Hold Recall ... see page 3-102
Do Not Disturb (DND) ... see page 3-77
Call Transfer ... see page 3-30
```

Chapter 4: Intercom

# INTRUSION

 $\begin{array}{l} \text{CDE}(\text{Descal}_{1}) \text{ AN} + \wedge |\text{ASea}_{2}| \text{ AQ}(\text{d}^{*} \text{ a}^{*} \text{ A}^{*}) [] \text{ Asea}_{2}| \text{ Asea}_{2}| \text{ AC}(\text{Descal}_{2}^{*}) \text{ ASE}_{2}| \text{ ASEa}_{2}| \text{ ASEa}$ 

#### CONDITIONS

- $\text{CPA} \hat{\text{U}} \text{casefal} \} \hat{\text{A}} \stackrel{\bullet}{\text{A}} \circ \hat{\text{A}} \hat{\text{A}} \wedge \hat{\text{A}} \rangle \text{ asa} | \hat{\text{A}} \hat{\text{A}} | \hat{\text{A}} \hat{\text{Q}} \hat{\text{C}} \stackrel{\bullet}{\text{A}} \hat{\text{A}} \rangle \hat{\text{A}} \wedge \text{ase}^{\perp} | \hat{\text{A}} \hat{\text{A}} \hat{\text{F}} | \hat{\text{A}} \rangle$

#### **OPERATION**

To perform an Intrusion:

FÈ ŠãoÁP æ} å•^oÁ; |Á; |^•• ÁŽÚ] ^æ; ^| £Žæ; åÁ; |æ&^Á&æ|Á§; Ás@ Á; |{ æ\$Á; æ; } ^| £Ä

CÈ Y @ } ÁÓ \* • ^ Át } ^ Æ Á@ æ å Æ ¦ \ • • Æ Z/Ü CŒ Ù ÁÉ \* Œ { } Áæ å Á æ Æ Á @ Á,Q d \* å ^ ÄÜ ^ \* æ c \ Á Ø æ \* ¦ ^ ÁÖ [ å ^ Æ À

HÈ Y @ } Áā, ā @ åÁ, ā @ ÁQ d`•ā, } Á&a | ÉÁP a ; \* ËM, Áa; åÁ^č; } Áf, Áa | ^ ÉÁ

#### **PROGRAMMING**

Station Data

Qd\*•ā}ÁOB&^••ÁŽVÜOĐÙĐÚÕTáÁFHGÆZČŠÒÝÁ DÁS Á^^Á&^cæ Á}Á}Á æ\*^ CŒHÁ

Ž/ÜŒÞÙÐÚÕT ÁÆHG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
Oc VÜWÙOUÞÁNEÔÔÒÙÙÁEÉÁ}æà ^•Ánjdˇ•ãnj}ÁnjáÁnéæásák^••Ánjáæásák^••Ánjáæásák,^• 8æ4 È	ĺ	€MÁÖãræà ^ FMÁÒ}æà ^	Öãræà ^

 $CE (f AÚ | \tilde{a}_{c}ass^{2}A(\tilde{z})UOED UEDÚÕT aÁFHI AÄÁOŠÒÝAFFDÁS A<math>^{4}$ ^^As^^acase^A() A $^{4}$  A $^{5}$ 

Ž/ÜŒĐÙĐÚÕT ÁĀFHI	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
OEWUÁÜÜOXOEÔŸÁEEÄÔ}æaà ^∙Ásĕď(Á)¦ãçæ&°Á^æc°¦^Áqā;Á^∙da&oÁs@Á ājd°•ā[}E&æa E,æaánBæa(]E;}B∪PXOEÁn,Ás°•^Árææā[}DÁ	FF	€KÁU~ FKÁU}	U~-

#### RELATED FEATURES

U}^ÁÖðiðaÁÙ^¦çã&^Áð Ár^^Ájæð^ HËFGÌ

# Message Wait/Call Back

# Station Message Wait/Call Back

When a Called Station does not answer or is in DND, a Station User can activate a Message Wait Indication (MWI) to request a Call Back. A Station may receive a MWI from any number of other Stations in the System. The Station receiving the MWIs can return the calls using the [MSG/CALLBK] button.

When a Busy Station is called, the Calling User may request to be placed in a queue to receive a Call Back. When the Called Station returns to Idle, the System notifies the Initiating Station with Call Back ring. When the User answers, the previously Busy Station is called.

When a Message is waiting, the [MSG/CALLBK] button LED will flash; when MWI is received at a SLT, the MW lamp will flash.

#### CONDITIONS

- A Message Wait/Call Back Return Call will always ring at the Receiving Station overriding the Intercom Signaling mode selected.
- A Station can leave only one Call Back request.
- The [MSG/CALLBK] button LED will continue to flash until all MWIs and Call Back Requests, have been serviced (including Voicemails).
- If a Station is attempting to leave a message and the System MWI queue is full, the oldest MWI will be deleted.
- A MWI Reminder Tone can be enabled to remind the user of MWIs.
- A Station in Call Forward can leave a MWI.
- A MWI is left at the Originally Called Station even if the call is Forwarded.
- A Digital Phone with LCD may Call Back to Stations that left messages in any desired order, or the normal ("oldest first") order.
- Placing an Intercom call to a Station will cancel any existing MWI from that Station.
- A Station can support up to 99 VMS messages.
- If a Station requests a Call Back at a Busy Station, a Call Back Request Station will check the Busy Station's status every 5 sec., and receives Call Back Ring when the Status Check Timer is expired (after the Busy Station returns to Idle). For this reason, Call Back ring may be delayed after a Busy Station returns to Idle, and when several Stations request a Call Back at a Busy Station, the Call Back Ring may not be provided sequentially. Operation

Chapter 4: Intercom

## Digital Phone

To leave a Message Wait:

FÈ Y @ $A^A$  &  $A^A$  &  $A^A$   $A^A$  &  $A^A$   $A^A$ 

HÈ U}ÁPæ) \*Ë]ÉÁs@ÁTY ÓÁn Ánæ&cãn;æe^åÉÁÁ

To leave a Message Wait:

GÈU}ÁPæ),\*ËMJÉÁs@∧ÁTYÓÁnn Ána&cánçæe^åÉÁÁ

To leave a Call Back (queue for a station):

GÈ Pæ)\*Á]ÉÁæ)åÁ^c°¦}Á{ÁQ}|^ÈÁ

To respond to a Call Back Recall Request:

 $F \stackrel{.}{E} Y @ \} \stackrel{.}{A} \stackrel{.}{O} \stackrel{.}{A} \stackrel{.}{O} \stackrel{.}{A} \stackrel{.}{O} \stackrel{.}{A} \stackrel{.}{O} \stackrel{.}{A} \stackrel{.}$ 

Œ ŠãoÁs@ Á@a) å•^oÁ;¦Á;¦^••Ás@ ÁŽÙÚÒOESÒÜáÁsč α[} ÈÁ

HÈ Ú¦^çã[ ˇ•|^ÁÓˇ•^ÁÛcææã[} Ásaæk|^åÈÁÁ

To retrieve Station MWIs:

> MWI(05) VMS(03) ENTER (MWI:1, VMS:2)

GÈ ÖãæþÁFÁ∫¦ÁGÊ

- ‴ FÉÁTY 08Á06à•^} oÁÔæ∥Á
- ‴ GÉÁKTÙKÁKTOÓÁT^••æ≛^Á

HÈ Ú¦^••Ás@-ÁZKUŠÁNÚÆŽKUŠÁÖUYÞÆÁs`Œ[}Á[Á-&|[||ÈÁ

To return a Call from the Current Station Message:

Y@\$|^Á|, ^••æt^Ásē,Áse&caçç^ÉA|; | ^••Ás@:ÁEPUŠÖÐDÙOEXÒáÁsì o (; ) ÉÁ

## SLT

## To leave a MWI:

- While receiving a Ring Back tone or No Answer on a Call Announce (H or P mode), press the Hook-Switch.
- 2. Dial the {Message Wait/Call Back code}.
- Hang-up, the MWI is activated.

#### To leave a MWI:

- 1. While receiving a DND tone, press the Hook-Switch.
- Dial the {Message Wait/Call Back code}.
- Hang-Up, the MWI is activated.

# To retrieve a Station Message Wait:

Dial the {Message Wait/Call Back Answer code}.

# To leave a Call Back (queue for a station):

- 1. While receiving a Busy Signal, press the hook switch.
- Dial the {Message Wait/Call Back code}.
- 3. Hang up, and return to Idle.

# To respond to a Call Back Recall:

- 1. When the Busy Station returns to Idle, the System initiates a Call Back.
- 2. Lift the handset, or press the [Speaker] button.
- The previously Busy Station is called.

## **PROGRAMMING**

# System Data

Message Reminder Tone Timer ([TRANS/PGM] 222 - FLEX 2) ... see details on page A-84

[TRANS/PGM] 222	BTN	RANGE	DEFAULT
MSG WIT ALERT TONE TMR A phone user will receive periodic reminder tones of a message waiting at intervals based on this timer.	2	00-60 (minutes)	00

Chapter 4: Intercom

# Message Wait Reminder Tone

#### CONDITIONS

- ËÁ V@Áşi, o'¦çæþÁs^c, ^^}Ás[}^•Ásæ)Ás^Á∈€Ás[ÁÎ, €Á; Āj \* o'•LÁs@Á∈€Ás^cæ]\*Á, ājlÁsãaæà|^Ás@Á TY ÓÁÜ^{ āj å^¦Ás[}^EÁ
- ËÁ V@ÁÜ^{ājå^¦Á/[}^Á¸āllÁ&[}œāj\*Á,]^ææāj\*Á,[œãã&ææā[}Á;}œālÁæţlÁ;^••æ≛^•Á@æç^Áa^^}Á '^dā^ç^åÈÁ
- ËÁ OĐÁÓ\* ^ ÁÚcæðā}}Ár¦ÁÚcæðā}}ÁşÁÖÞÖÁ, ðHÁ[cÁ^&^ō¢ Áç@ÁTY ÓÁÚ^{{ ð; å^¦Án]}^ÈÁ
- ËÁ Ù QÚÁÚ QQ}^Ása) å ÁÖ Ò Ô VÁ\$[Á, [ÓÁ\*]][¦ÓÁSQÞÁT Y QÁÜ ^{ al å^¦Á/[}^Á^ase\*¦^ÈÁ

## **OPERATION**

# System

 $Y @ \} \acute{A}_{1} [ * | ae \{ ^ å \acute{E} \& @ \acute{A} T Y O \acute{A} U ^ { \vec{a}_{1} a^{+} | \acute{A}_{1} \} ^ \acute{A} \& \acute{e} \acute{e} \{ ae \vec{a} \& ae | ^ \acute{A}_{1} > \acute{A} \& \acute{e} \acute{A} | ^ { \vec{a}_{2} ae } | ^ \acute{A}_{1} > \acute{A} \& \acute{e} \acute{A} | ^ { \vec{a}_{2} ae } | ^ \acute{A}_{2} > \acute{A} \& \acute{e} | ^ \acute{A}_{2} > \acute{A} | \acute{A}_{2} > \acute{$ 

#### **PROGRAMMING**

# System Data

T^••æ\*^ÁÜ^{ \$| å^\Á[}^Á/ā[ ^\ÁÇŽ/ÜŒÞÙÐÚÕT áÁGGGÁÐÁØŠÒÝÁGDÁS Á!^^Á&^œðþ-Á;}Á ]æ\*^ŒHIÁ

Ž/ÜŒÞÙÐÚÕT ÁÁGGG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
TÙÕÁY QYÁQEŠÒÜVÁ/UÞÒÁ/TÜÁEEÄQEÁ, @{}^Á.•^¦Á, ā Á^&^āç^Á,^¦ā¦ å & Á ¦^{ ā å^¦Áq;}^•Á; ÁœÁ; ^••æ*^Á, æmāā;*ÁœÆn;¢'¦çæ†*Áaæ•^åÁ;}ÁœÆn;Áaā; ^¦È	G	<del>€€ÍÍ</del> €Á Çi aj čo^• D	€€

#### **HARDWARE**

Öātāma⇔ÁÚ@}}^Á

Paging 4-15

Chapter 4: Intercom

# **Paging**

# Internal/External & All Call Page

A Station that is set-up for using the Page features, can connect and transmit voice announcements to any or all of the System Internal/External Page Zones. Stations are grouped into "Zones" to receive Pages directed at each Zone. Stations not assigned to any Zone will not receive a Page including All Call Pages.

A Page Ring will be provided to the Page Zone(s) prior to the Audio Connection. The User is allowed to continue the Page for the specified Page Time-out Timer after which the User is disconnected and the Page Zone(s) is returned to idle.

The default Page Zone Dial codes are:

#### Paging Dial Codes

Page Type	MBX IP 100	MBX IP 300
Internal Page Zones	543 + Group Number	543 + Group Number
Internal All Call Page	543 = 00	543 + 00
External Page Zone	548	548
All Call Page	549	549

Flexible buttons of a Digital Phone may be assigned to access a Page Zone as a {PAGE ZONE} button.

#### CONDITIONS

- Stations that are not enabled to Page, will receive an Error tone when any Page Access code is dialed.
- Stations in DND or Busy will not receive Page announcements.
- A Station accessing a Page Zone is considered Busy.
- Stations, that are not included in any Internal Page Zone, will not receive any page, including All Call.
- For External Paging, an External Amplifier and Speaker(s) are required.
- The System External Control Contacts may be assigned to activate when External Page is accessed.

Chapter 4: Intercom

## **OPERATION**

## Digital Phone

To assign a Flex button as a {PAGE ZONE} button:

Ú¦^••ÁZ/ÜŒÐÙÐÚÕT áÆÁØŠÒÝÞÆÁÓ° œ[}ÁØ^æc°¦^Á/°]^ŒFÆÁÚæťā\*\*ÁÔ[å^ÞÆÁZÛŒXÒáÁ

# To initiate a Page:

- FÈ ŠãoÁs@ Á@ed å•^dÈÁ
- QÈ Ö㢠Á 6@ Á 4 ^ 4 ^ 4 A Á Ú 2 ª 4 \* Á 4 Å 1 Å 1 ^ • Á \$ Á Ú QĒ Õ À Ô U Ö Ò Ø Á ° QĒ } ÈÁ
- HÈ Öãn ÁÚa \* ^ÁÕ¦[ \* ] Á, \* { à ^ ¦ ÈÁ
- IÈ QÁœ• at } ^ a Éace ^ ¦Ác@ ÁÚæt ^ ÁÜā \* ÉÁ æt ^ Ác@ Áå ^ at ^ a Áæt } [ \* } & ^ { ^ } dÉ
- ÍÈ Y@^}Áājār@^åÊÁ^]|æ&^Ás@•Á@a+jå•^oÁæ+jåÁ\*[ÁU}ËP[[\ÈÁÁ

# **SLT**

# To initiate a Page:

- FÈ ŠãoÁs@ Á@ed å• ^dÉÁ
- HÈ Öãa‡ÁÚæ\*^ÁÕ¦[ˇ]Á,ˇ{à^¦ÈÁ
- IÈ QÁse• ā}^å £Ásee^\Ás@ ÁÚæt^ÁÜā \* £Á æ\^Ás@ Ás^•ā^åÁse}}[`}&^{ ^}dÉ
- ÍÈ Ü^]|æ&^Ás@•Á@æ)å•^dÊÄ\*[ÁU}ËP[[\ÈÁ

#### **PROGRAMMING**

#### Station Data

Úæť^ÁÕ¦[ˇ]ÁŒ&^••ÁÇVÜŒÐÙÐÚÕTÁÆÍFÁSÁ^^Á&^ææ¶•Á;}Á;æť^ŒĦ

# Station Group Data

Úæt^ÁÕ¦[ˇ] ÁŽVÜŒÐÙÐÚÕT ÁЀÍ ÁĞ Á\^^Á\$^æð •Á\} Á\æt^ ŒË F

Ž/ÜŒÞÙÐÚÐÍ ÁŒÍ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÚCIĐÔÁT ÒT ÓÒÜÁCIĐÕÁTÄ:•• • a } Á cæaj } • Á • Á; ^{ à^¦• Á; Á • Áú Á • Á · Á · Á · Á · Á · Á · Á · Á · Á ·	Ë	Ë	Ë

## Tenant Data

Úæt^Á[}^Áō Á•^ÁWeb AdminÆVÜŒÞÙÐÚÕTæÁGJ€ÆÆØŠÒÝÁHDÆVÜŒÞÙÐÚÕTæ

Paging 4-17

Chapter 4: Intercom

# System Data

Paging Time-out Timer [TRANS/PGM] 220 - FLEX 4 ... see details on page A-83

[TRANS/PGM] 220	BTN	RANGE	DEFAULT
PAGE TIME OUT TMR Determines the maximum duration of a page after which the caller and Page Zone are released.	4	000-300 secs	15

# Numbering Plan

Internal Page Calling Answer Code [TRANS/PGM] 113 ... see details on page A-18

BTN	FEATURE [TRANS/PGM] 113	REMARK
15	Internal Page Answer (Meet-Me Page)	547

Page Auto Answer (TRANS/PGM] 115 - FLEX 69 ... see details on page A-22

## RELATED FEATURES

Meet Me Page Answer ... see page 4-17

## **HARDWARE**

External Amplifier & Speakers

# **Meet Me Page Answer**

Any station may respond to a Meet Me Page request over an Internal or External Page Zone. The user answers the page from any Station and is connected to the Paging Party. The Paging Party can answer the page by pressing the [HOLD/SAVE] fixed button and other users can answer by dialing the {Page Auto Answer Feature Code} or {Internal Page Answer Feature Code}.

## Page Answer Dial Codes

Page Type	MBX IP 100	MBX IP 300
Page Auto Answer	546	546
Internal Page Answer	547	547

- - $\vec{E}\vec{A} , \vec{O}\vec{E} \neq \vec{A} \vec{D}\vec{E} \Rightarrow \vec{A} \vec{D}\vec{E} \Rightarrow \vec{A} \vec{A} \vec{C} \Rightarrow \vec{A} \vec{A} \vec{C} \Rightarrow \vec{A} \vec{A} \vec{C} \Rightarrow \vec{A} \vec{D} \vec{E} \Rightarrow \vec{A} \vec{D} \vec{E} \Rightarrow \vec{A} \vec{D} \vec{C} \Rightarrow \vec{C} \vec{D} \vec{C} \Rightarrow$

#### CONDITIONS

- CEÁT ^^oÁT ^ÁÚæť ^Áí ˇ•oÁs^Ásè, ^¦^åÁ ão@ã Ás@ ÁÚæť ^Á⁄ã ^Ë ˇoÁ⁄ã ^¦ÈÁ
- " OŒÂÚcæcā[}Á(æÂæ)•¸^¦ÁæÁT^^^ÓAT^ÁÚæ≛^Á;[{Áæ)^ÂÚcæcā[}Á^\*æåå|^••Á(Æ&\ËM]ÐÚæ±ā]\*Á
  Õ;[ˇ]Áæ••â\*]{^}o•Áæ}åÁÚæ±^Áæ&&^••Á,^;{ã••ã[}ĚÁ
- \[ \Q \( \hat{A}\) \at \( \hat{A}\) \at \( \hat{A}\) \\ \at \(
- "OĐÂUŠVÁ ^ ¦Á&æ) } [OÁæ) . ^ ¦ÁæÁT ^ ^ OÁT ^ ÁÚæ\* ^ ÉÁ

#### **OPERATION**

# Digital Phone

To assign a Flex button as a {PAGE AUTO ANSWER CODE} OR {INTERNAL PAGE ANSWER CODE} button:

Ú¦^••Ác@ÁŽVÜOÞÙÐÚÕT ÁÆÁØŠÒÝÞÁÁÓČŒ[}ÁØ^æč¦^Á/^]^ÁÇFDÆÁPAGE AUTO ANSWER CODEÞÁJÜÁ(INTERNAL PAGE ANSWER CODE}ÉÁŽÚOXÒÆÁ

To answer a Page by the Paging Party:

FÈ ŠãoÁs@ Á@a) å•^dŽÁ

GÈ Ú¦^••Ás@ ÃŒ UŠÖáÁs α[}Á OR

Ú¦^••ÆPUŠÖÆN`cd;}ÈÁ

To answer a Page with Meet Me Page Code from another Station:

- FÈ ŠãoÁc@ Á@a) å•^oÁ; |Á; |^•• Ác@ ÆÜUÚÒOES ÒÜáÁs\* of } EÁ
- QÈ Öã¢Á@ÁQdŽÚæ\*^ÁQE, ^\ÁÔ[å^¤Á;\Á;\^••Áœ\ÁT ÒÒVËT Ò¤Ás\* qE} ÈÁ
- HÈ Öãæ Á Á Ó I[\*] Á, \*{ à ^ IÈÁ OR

Paging 4-19

Chapter 4: Intercom

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Dial the {Auto Page Answer code} from a Station; after the system locates the appropriate Station Group, the call it will be connected to the Paging Station.

## **PROGRAMMING**

## System Data

Paging Timeout Timer [TRANS/PGM] 220 - FLEX 4)... see details on page A-83

TRANS/PGM 220	BTN	RANGE	DEFAULT
PAGE TIME OUT TMR Determines the maximum duration of a	4	000-300	15
page after which the caller and Page Zone are released.		secs	

## Station Data

Meet-Me Access [TRANS/PGM] 134 - FLEX 3 ... see details on page A-34

TRANS/PGM 134	BTN	RANGE	DEFAULT
MEET ME ACCESS enables 'meet me' feature when there is a page.	3	0: Disable 1: Enable	Enable

# Numbering Plan

Int Page Answer Code [TRANS/PGM] 113 - FLEX 15 ... see details on page A-18

BTN	FEATURE (TRANS/PGM] 113)	REMARK
15	Internal Page Answer (Meet-Me Page)	547

Page Auto Answer [TRANS/PGM] 113 - FLEX 14 ... see details on page A-18

BTN	FEATURE [TRANS/PGM] 113	REMARK
14	Page Auto Answer	546

#### RELATED FEATURES

Internal/External & All Call Page ... see page 4-15

Chapter 4: Intercom

# **VM Paging**

# VM Paging Dial Codes

Page Type	MBX IP 100	MBX IP 300
Ú^¦•[}æÁXTÁÚæ*^	ÍIIÁÉÁŐ¦[ˇ]ÁÞˇ{à^¦	ÍIIÁÉÁÕ¦[ˇ]ÁÞˇ{à^¦
OE;}[ˇ}&^{ ^}oÁÚæt^Á(;¦ÁŒc^}åæ)c	ÍIÍ	ÍTÍ

#### CONDITIONS

- ‴Ö'¦āj\*ÁXTÁjætāj\*ÉÁT^^œÁT^ÁÚæt^ÁŒE, ^¦Á\*}&æāj}Á\$erÁæçænájææà|^ÈÁ\

#### **OPERATION**

# Digital Phone

To record a VM Message:

- Ά^&[¦åÁKTÁT^••æ\*^È

To delete a recorded VM Message:

- FÈ ŠãoÁs@ Á@a+)å•^dÉÁ
- Œ ÖædÁœÁXTÁÚŒŐÒÁTÒÙÙŒŐÒÁÜÒÔUÜÖ¤Á^æč¦^Á&[å^ÉÁ
- HÈ Öãn (ÁČ)]^^å ÁÁÓ co[}Á(; Áå^|^ca[}ÉÁ

To make a VM Page:

- FÈ ŠãoÁs@ Á@ed å• ^dŽÁ
- $\begin{array}{ll} \text{CE} & \ddot{\text{O}} \tilde{\text{ad}} \hat{\text{A}} \tilde{\text{O}} \tilde{\text{A}} \hat{\text{A}} \hat{\text{A$
- HÈ ÖãndÁ, æt^Át¦[ˇ]Á, ˇ{à^¦ÈÁ
- IÈ QÁæ••āt}^åÊÁæe^¦Áo@ÁÚæt^ÁÜāj\*ÊÉXTÁ;^••æt^Á¸āļÁà^Á¸∣æê^åÈÁ
- ÍÈ Ü^]|æ&^Áo@^Á@æ)å∙^dÊ^\*[Á[}Ë@[[∖È

To make a Announcement Page by Attendant:

Paging 4-2

Chapter 4: Intercom

- 1. Lift the handset.
- Dial the desired paging code or press a {ANNOUNCEMENT PAGE FOR ATTENDANT} button.
- 3. Dial page group number.
- 4. Dial desired Announcement number.
- 5. If assigned, after the Page Ring, VM message will be played.
- 6. Replace the handset, go on-hook

#### SLT

## To make a page:

- Lift the handset.
- 2. Dial the appropriate paging code.
- 3. Dial page group number.
- 4. If assigned, after the Page Ring, make announcement, or hear VM message.
- 5. Replace the handset, go on-hook.

#### **PROGRAMMING**

#### Station Data

Internal Page Group Access [TRANS/PGM] 151... see details on page A-43

# Station Group Data

Page Group [TRANS/PGM] 205 ... see details on page A-71

#### Tenant Data

Page Tone ...use Web Admin [TRANS/PGM] 290 - FLEX 33 ... see page A-43

## System Data

Paging Timeout Timer [TRANS/PGM] 220 - FLEX 4 ... see page A-83

TRANS/PGM 220	BTN	RANGE	DEFAULT
PAGE TIME OUT TMR Determines the maximum duration of a	4	000-300	15
page after which the caller and Page Zone are released.		secs	

Chapter 4: Intercom

# Numbering Plan

XTÁÚæt^ÁT^••æt^ÁÜ^&[¦åÁÔ[å^ÆZ/ÜŒÞÙÐÚÕTáÁFFHÆÆØŠÒÝÅÌÁð Á\^^Á;æt^ ŒŒ€

ÓVÞ	ØÒŒWÜÒÆVÜŒÐÙÐÚÕTÆFFH	ÜÒT ŒÜS
ìì	XTÁÚæ≛^ÁT^••æ≛^ÁÜ^&[¦å	îìG

Q cÁÚ at ^ÁCE • , ^¦ÁÔ[ å^ÁŽ/Ü CEÞÙÐÚÕT ÁFFHÆÆŽŠÒÝÁFÍ DÁG Á ^^Á, at ^ CEŤÌ

ÓVÞ	ØÒŒWÜÒÁÜŒÞÙÐÚÕTÁFFH	ÜÒT ŒÜS
FÍ	Q) c^¦}æ þÁÚæ*^ÁŒ; •; ^¦ÁÇT^^ŒT^ÁÚæ*^D	ÍIÏ

Úzť ^ÁCEWUÁCE, •, ^¦ÁÔ[ å^ÁŽVÜCEÞÙĐÚÕT ÁÁFFHÄÐÁZŠÒÝÁFIÁŐ ÁÅ^^Á, æť ^ CEŤÌ

ÓVÞ	ØÒŒWÜÒÃĞVÜŒÞÙÐÚÕT ÁFFH	ÜÒT ŒÜS
FI	Úæt^ÁŒqÁŒ, ^¦	ÍIÎ

## **RELATED FEATURES**

Qc^{} and cc^{} and for the control of the control

Push-To-Talk Paging

Chapter 4: Intercom

# **Push-To-Talk Paging**

Digital Phone can be assigned as a member of one of the System's Push-To-Talk (PTT) Page Groups. The Digital Phone User may log-in or log-out of any one or all PTT Groups it is a member of. Once logged in, the User may place or receive One-Way Page announcements to/from other Users who are logged-in to the same PTT group. To place a PTT Page announcement, the User must press and hold the {PTT} Flex button.

An Attendant may log-in/-out other Stations to/from PTT groups.

#### CONDITIONS

- Conditions associated with Internal/External & All Call Page apply to PTT Paging.
- To access PTT Paging, the Station must be permitted access to System Paging.
- If allowed access to all PTT Groups, a Station may log-into all Groups (PTT Group 0) to
  place announcements to all Groups simultaneously and receive announcements from any
  group.
- A Station can only Log-In to PTT groups to which it is assigned as a member.
- The Station must have a {PTT} button to place or receive PTT announcements; by default, the WLAN phone is assigned a PTT button.
- The Station may be assigned and Logged-In to the default active PTT group in the System database.

#### **OPERATION**

## Digital Phone

To assign a {PTT} Flex button:

Press [TRANS/PGM] + {FLEX} + Button Feature Type (1)+ {PTT} + [SAVE]

To Log-In to a PTT group:

- Dial the {PTT Log-in/-out code}.
- 2. Dial the desired PTT Group Number.

To Log-Out of the PTT group(s):

- 1. Dial the {PTT Log-in/-out code}.
- 2. Dial '\*'.

To place a Page to the active PTT Group:

- 1. Press and hold the {PTT} Flex button.
- 2. Make the desired Page announcement after hearing confirmation tone.

Chapter 4: Intercom

# **PROGRAMMING**

# Numbering Data

Ć	ÁVĆ	ØÒŒWÜÒÁÇVÜŒÞÙÐÚÕTÁFFHD	ÜÒT ŒÜS
	ΙÎ	ÚVVÁÕ¦[ˇ]ÁŒ&^••	Í GI ÁÉÁÚVVÁŐ¦[ˇ] ÁÁÁÇÁEÜÐÁEÁFÁÇŠ[*Á;ŤdO

# Station Group Data

ÚVVÁÕ¦[ˇ]ÁQVÜQĐÙĐÚÕTÁG€Ì DÁS Á\^^Á;æ\*^ QHĒH

VÜŒÞÙÐÐŐTÁGEÌ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÚVVÁT ÒT Ó ÒÜÁDEÙÕÁEEÄs@āÁr}d^Áæ••ã}•Árcæaāj}•Áæ•Á; ^{ à^¦•ÁrÁæÁ ÚVVÁr¦[ˇ]È	F	Ë	Ë

## Station Data

Øã¢^åÁÚVVÁØ|^¢ÁÓ˙α{}ÁŒ•ã}{ ^}ơÁQVÜŒĐÙĐÚÕΤÁFGÎ ĐỐ Á^^Á;æ\*^ŒĞJ

# **RELATED FEATURES**

Úæť ð \* Á Á Á ^ Á æť ^ I 🖽

# **HARDWARE**

Öāt ānad ÁÚ@{}^Á Ú@{} cæt^Á WÔÙÁÔ[ā^} cÁ

# Chapter 5

# CO/IP

This chapter provides detailed information covering description and operation of the CO/IP features available in the MBX IP System Software.

# Alternative Route Selection

This feature is enabled if there are several paths in order to connect toward a destination System. If a selected path is not available for some reason (All Busy, Line Fault, etc), Alternative Route Selection (ARS) will connect calls using another designated path.

#### CONDITIONS

- ARS is optional and must be programmed to be operational.
- Up to 2 ARS pats can be assigned for each CO Group Access code.
- ARS digits should be contained in the CO Group Access Code, and will be applied when feature is initiated.
- ARS can be used in coordination with Last Number Redial, Station Speed Dial, and System Speed Dial.
- If ARS is operated with Digit Conversion Table, Dialed or Converted Digit will be provided to CO line after ARS service.

## **OPERATION**

If set, Alternative Route Selection operation is automatic.

## **PROGRAMMING**

# Numbering Plan

CO Group Access Code (PGM 114) ... see page A-21

PGM 114	BTN	RANGE	REMARK
CO GRP ACCESS CODE (Edit By Range)		Start CO Grp Access Code & End CO Grp Access Code	-
CO GRP ACCESS CODE (Edit)	2	CO Grp Access Code	-

#### CO Line Data

# 

ÚÕT ÆÌ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
$ \begin{array}{c} \text{CE-} \ddot{O} \ddot{A} \ddot{O} \ddot{O} \ddot{A} \ddot{E} \ddot{A} \ddot{C} & \text{c.} \\ \text{d.} \\ \begin{array}{ccccccccccccccccccccccccccccccccccc$		Tæ¢ÁF€Á åðião•	Ë
CEÜÙÁÜÒÜXÓÒÒÁĒÄQÁÓĘ?;}æ?ÁÜ[ˇơÁÙ^ ^&cā;}ÁÇŒÜÙDÁnÁ^dÁSŒÜÙÁnā ãnÁ ã Ánãæ†°åÁn∮•ơœmáÁnÁÔUÁŐ;[ˇ]ÁOB&&^••Á8[å^Á,@}Án@;^Ánæ/Á;[Á æçæājæà ^Á,æc@È	ĺ	€ÁÚ~ FKÁU}	U~
CEÜÜÁÖŐVÁFÁEÉÁCE¢!}ævÁÔUÁŐ![ˇ]ÁOB&^••Á&[å^Á;Áà^Á;•^åÁ;@}Á [¦ātājæÁÔUÁŐ![ˇ]ÁOB&^••Á&[å^Áæāj^åÁq;ÁājåÁæçæájæà ^ÁÔUÁjā,^È	Î	Tæ¢ÂiÁ åãiãe•	Ë
CEÜÙÁFÁUÕÜÁÖÕVÁĒÉY @ }Ás¢v'}æv^ÁÔUÁÕ¦[ˇ]ÁCE&^••Æv[å^ÆsÁ•^åÉA c@āÁða åÁs^-3j^•ÁsÁ;¦äðjæpÁsðãðafÁ;¦Æv[}ç^¦v°åÁsðãðarÁsò^Á•^åÈ	Ï	€KÁÚ~ FKÁÚ}	U~-
ŒÜÙÁGÁUÕÜÁÖÕVÆËÄY @ }Ásd¢^¦}æ¢^ÁÔUÆÕ¦[ˇ]ÁGE&^••Æq[å^ÆaÁ•^åËA c@āÁæ} åÆa^-aj^•ÆaÁ;¦ætājædÁsætætÁ;¦Æq[}ç^¦¢^åÆsætætÁsætæté	J	€KÁÚ~ FKÁÚ}	U~

ËKOEÜÙÁÙ^¦çã&^ÁÇZŠÒÝÁ DÁ ËKOEÜÙÁÖð ãdÁÇZŠÒÝÁ ËI DÁ ËKOEÜÙÁÖð ãdÁVÞ æð ^ÁÇZŠÒÝÁ ÉÐ DÁ ËKOEÞÖÁÖð ãdÁÇZŠÒÝÁ DÁ

# **Automatic Network Dialing**

 $Y @ \} \stackrel{\mbox{$ 

## CONDITIONS

- ÉÁ OÞÖÁ&æ)Áj|æ&^Á&æ|•Áæĕç[{ææã&æ||^Áàî^Áàãæþē]\*Áæ|Áj-Ás@Áj^&^••æ†Áàē\*ãæ•Á;¦Á|[{^Áàið\*ãæ•ÉÁ æ•Á;![\*¦æ{{^åÈÁ
- ÉÁ CEÞÖÁsiði ão ÁÇ ]Á (ÁF€DÁ;¦Á, |æ&ð, \*Á&æ)|•Á&æ) Ás^Á^\*ão c^¦^åÁ;}Á°æ&©ÆÔUÆÕ¦[ˇ]ÁOæ&&^••Á 8[å^•ÉÁ
- ÉÁ QÁc@ ÁÔU ÁA} ^Áa Á^ã ^å ^å \* åó@ ÁÔU ÁŠA} ^ÁOE&&^••¤Á^æc\*¦^Á&[å^ÉÁOEÞÖÁsãããÁs Á][óÁ •`]][¦c°åÉÁ
- ËÁ CEÞÖÁNa Án}anà|^åÁn;}|^Á,@^}ÁÔUÁA;^Ánã Ánã Ánã \*Ánã \*Ánã \*Ánã \*Ánã \*Ánã \*ÓUÁÕ;[\*]ÁOB&&n•AÔ[ånÈ

#### **PROGRAMMING**

## Numbering Plan

CO Group Access Code (PGM 114) ... see page A-21

PGM 114	BTN	RANGE	REMARK
CO GRP ACCESS CODE (Edit By Range)	1	Start CO Grp Access Code & End CO Grp Access Code	-
CO GRP ACCESS CODE (Edit)	2	CO Grp Access Code	-

## CO Line Data

CO Group Access Code AND Digit (PGM 180 - FLEX 4) ... see page A-61

PGM 180	BTN	RANGE	DEFAULT
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.	4	Max 10 digits	-

# **CO Group Access Code**

The CO Group Access code can be set dynamically for each Outgoing CO Group. One Outgoing CO Group can have several access codes. Additionally, there are various kinds of services for each access code:

- Access Code Name Access code name can be displayed when a user seizes a CO line with CO Group Access code.
- CO Line Choice There are 3 ways to seize a CO line (Round / First / Last).
- Outgoing CO Group When a user dials a CO Group Access code, the System will seize a CO Line with the Outgoing CO Group.
- AND When using CO Group Access code, it can add max. 10 digits to be able to send towards PX automatically.
- ARS Service When a selected path is not available for some reasons(all busy, line fault, etc), this feature connects a call using another path which is preset automatically

## CONDITIONS

This feature can be set for each Outgoing CO Group.

- ÉÁ QÁÔUÁŠā, ^Á@æÁs^^}Án^ã ^åÁsā^&d^ÊÁ, [ơÁ•ā, \*ÁæÁÔUÁŠā, ^ÁŒ&&^••ÁÔ[å^ÉÁs@áÁ^æč¦^ÆáÁ}}[ơÁ•ā, \*ÁæÁÔUÁŠā, ^ÁŒ&&^••ÁÔ[å^ÉÁs@áÁ^æč¦^ÆáÁ}}[ơÁ•ā, \*ÁæÁÔUÁŠā, ^ÁŒ&&^••ÁÔ[å^ÉÁs@áÁ^æč¦^ÆáÁ}}
- ËÁ Y@}ÁÚ \* c\*[ā, \*ÁÔUÁÕ¦[\*]ÁstÁ,[}^ĒÁstÁOUÁŠā, ^Á&ca)Ás^Á^ā ^åÁst&&[¦åā, \*ÁÔUÁÕ¦[\*]Á OB&&^••ĒÁ

# **PROGRAMMING**

# Numbering Plan

ÔU ÁÕ¦[\*] ÁDB&^•• ÁÔ[ å^ÁQÚÕT ÁFFI DÁ5 Á\^^Á; æ\* ^ OËËF

ÚÕT ÁFFI	ÓVÞ	ÜŒĐÕÒ	ÜÒTŒÜS
ÔU ÁÕÜÚÁŒÔÔÒÙÙÁÔU ÖÒÁÇÒåãÁÓ`ÁÜæ) *^D	F	ÙædóÑUÁѦÁŒ&^••ÁÑ[å^Á BÁÑ}åÁÑUÁѦÁŒ&^••ÁÑ[å^Á	Ë
ÔU ÁÕ ÜÚ ÁŒ ÔÒÙÙ ÁÔU Ö ÒÁÇ Dª ãED	G	ÔUÁÕ¦]ÁŒ&^••ÁÔ[å^	Ë

# Station Data

ÔUĐOÚÁÕ¦[ˇ]ÁOB&^••ÁQÚÕTÁFÍ€DÁSÁ^^Á;æ\*^OËH

## CO Data

 $\hat{O} \cup \hat{AO} \mid [\ \ ] \ \hat{AOE} \& \land \bullet \bullet \hat{AO} [\ \& \land \land \triangle G = \widehat{aa} \ \ @ \bullet \land \widehat{AQUOT} \ AF) = DAS \ \land \land \land \land \land A = \bullet \land \triangle G = \bullet \land \land \land \land A = \bullet \land \land \land A = \bullet \land \land \land \land A = \bullet \land A$ 

ÚÕT ÆÌ €	ÓVÞ	ÜŒĐÕÒ	ÖÒØ0 <b>5</b> /\ŠV
CEÔÔÒÙÙÂÛUÖÒÁ>CET ÒÃËÁ′@}ÁSÁÔUÆŐ;]ÁSE&^••Á &[å^ÁsÁsæ4^åÁ;¦ÁØ ^¢ÁÓ′cq;}ÁsáÁ;¦^••^åLÁ;æ{^Ásá åã] æ^åÁ;}Ás@Á;œæá;}®ÆSÕÖÈ		Tæ¢ÁrîÁ&@æ∳•	Ë
ÔUÁŠŒ ÒÁÔPUÓÒÁŒÖ^&ãA^ÁĮÁ^ ^&óÁ ĮÁÔUÁJ^Á ]¦áĮ¦ãcÁqÁ^ã^ÈĎPUVÒKÁY@}ÁUˇc*[áj*ÁÕ;[ˇ]Á Þˇ{à^¦ÆjÁj[óÁœ•ā}}^àÊŠŒòÁj]cáj}ÆjÁj(cÁæj] a³åÈ	G	€KÄÜ[`}åÁÜ[àã] FKÄŠæ•oÄŠã}^ GKÁØã•oÄŠã}^	Šæ oAŠāj ^
UWVÕUŒPÕÁÕÜÚÁÞUÁŒÖ^&¦{ã,^•Á@ÁÔUÁ Õ¦[ˇ]Á¸ˇ{à^¦Á•^åÁţÁ^ã^ÈÞUVÒKÆÁ;[cÁ 敪ã}^åÊò@Áæ&&^••Á&[å^ÆÁ•^寯ŠUUÚÁ^^È	Н	€FË GÁÇT ÓÝ ÁÐÚËH€€D €FËGI ÁÇT ÓÝ ÁÐÚËF€€D	Þ[ơÁ敪ã}^åÁ[Ás@Á -ã•ơÁæ&&^••Á&[å^È €FË GÁÇT ÓÝÁŒÚË €€DÁ ÆÁ敪ã}^åÁ •^``^}Œæ∯^Á½[{Ác@Á •^&[}åÁæ&&^••Á&[å^
CEÞÖÁÖŐVÁEÉKOE ({ aæaðkár/c; [:\ ÁÖaædaj * ÁÇOEÞÖDÁ           åð áðár Ár/} cásæc* kÁÔUÁjaj ^ Ár/a a ^ å kÉvær Áræc* k/Á           æll; • Á • ^ kát Ás áðáæda ÁÖUÁsæd • Át}   ^ Ás ^ Ás áædaj * ÁÖUÁ           Ö; [*] ÁO&&*•• ÁÖ[ å ^ È	I	Tæ¢Ár€Áåããã•	Ë

PGM 180	BTN	RANGE	DEFAULT
ARS SERVICE If Alternate Route Selection (ARS) is set, ARS digit is dialed instead of CO Group Access code when there is no available path.	5	0: Off 1: On	Off
ARS DGT 1 Alternate CO Group Access code to be used when original CO Group Access code failed to find available CO line.	6	Max 8 digits	-
ARS 1 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	7	0: Off 1: On	Off
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.	8	Max 8 digits	-
ARS 2 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	9	0: Off 1: On	Off

# CO Line Flash

Analog CO Lines recognize a brief open or ground connection (Flash), as a request for a new dial tone. When used behind a PBX, a CO Line Flash is often used to activate a PBX feature or Call Transfer.

## CONDITIONS

- Stations may Flash on a CO Line defined for PABX operation and will experience COS dialing restrictions if a PABX Trunk access code is dialed.
- During Flash, the LED for the CO Line button will remain lit.
- A Flash may be stored as a part of a Station or System Speed Dial number.
- While connected to an Internal Call or Dial Tone, pressing the {CO Flash} button will re-access the ICM Dial tone.
- Flash function is not available on Digital CO Lines like ISDN, VoIP and R2.

## **OPERATION**

## Digital Phone

While connected to an Analog CO line:

Ú¦^••Ác@ÁÔUÁO|æ•@Àà co[}Êko@ÁÛ^•c^{Áxě o[{ææã&æ|^Á¸ã|Á^}^\kaæ^ÁæÁO|æ•@Á}}Áx@ÁÔUÁ Šāj^ÈÁ

## SLT

While connected to an Analog CO line:

FÈ Ú¦^••Ás@AP[[\Ë, ã&@À

Œ ÖædÁÔUÁØlæ @ÁØ^æč¦^ÁÔ[å^¤ÐÁ

## **PROGRAMMING**

Numbering Plan

Ø^æc` \^Áp` { à^\ a} \* ÁÚ|æ} Á ÁÔU ÁØ|æ @ÁQÚÕT ÁFFHDÁ5 Á ^^Á,æ\* ^ O#FÌ

ÓVÞ	ØÒŒWÜÒÁÇÚÕTÁFFHD	ÜÒT ŒÜS
G	ÔUÁØ æ @	ÍÍF

Ø^æč¦^Áp~{ à^¦ā,\*ÁÚ|æ,Á ÁÔU ÁŠā,^ÁQB&^••ÁQÚÕT ÁFFHDÁ5 Á^^Á,æ\*^ Q#FJ

ÓVÞ	ØÒŒWÜÒÁÇÚÕTÁFFHD	ÜÒT ŒÜS
IF	ÔUÁŠã, ^ÁŒ&^••	ìììàÉàÔUÀS3;^ÀÀÁÇEGFËDEGIÁTÓÝÁQÚËHEGĒÆGFË GIÁTÓÝÁ QÚËF€ED

# Ù^•c^{ ÁÖæææÁ

ŠÒÖÁÔ[ | [ | HĐX]æ @ÁÜæc^ÁQÚÕT ÁGHI DÁS Á!^^Á;æt\* ^ OËÜÍ

# CO Group

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ÚÕT ÆÎ Î	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÓŠ⊘ÁNÙŒÕÒÆËÄQÁœĕÁ^æč¦^ÁnāÁ^œÁ;ÁUÞÊÁ¦^¢Á à ˙ct̞}ÆŠÒÖÁ¸∄Æà^Á¦æe@j*Á¸@}ÆÔUÁja,^ÆaÁ ]¦[*¦æ{{^åÁ;}ÆœÆà˙ct̞}È	G	€ÁÚ~ FKÁÚ}	U}

# ÔU ÁU ˇ ơ ˙ [ శ̄] \* ÁÓŠØÁW æ † ^ÁQÚÕT ÁTÏ FÁ ÁØŠÒÝÁ ĐÁS Á ^ ^ Á; æ † ^ Œ Ï Ï

ÚÕT ÆÏ F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÓŠØÁNÙŒŨÒÁŒÄQÁœÃ^æ;¦^ÆÁ^œ¼[ÁUÞÊĄ/¢Á àˇœ[}ÁŠÒÖÁ¸¾Á&^Á¦æ;@3;*Á¸@}ÁÔUÁ;¾^ÆÁ ]¦[*¦æ;{ ^åÁ;}ÁœÁà`æ[}È	I	€ÁÚ~ FKÁÚ}	U}

5-7

#### RELATED FEATURES

Station Speed Dial ... see page 3-147

# **CO/IP Line Groups**

All CO Lines are included on one Outgoing CO Group and one Incoming CO Group individually. One CO Line cannot be a member of several CO Groups at the same time.

The CO/IP Lines in the System can be placed together into Groups for assigning access by Stations and common Access Dial codes (up to 24 Groups on MBX IP 100, and 72 Groups on MBX IP 300).

#### CONDITIONS

- Outgoing CO Line Groups and Incoming CO Line Groups are separated.
- CO/IP Lines in each CO Group can also be accessed individually by dialing the {CO Line Access Feature Code} and the CO/IP Line number.
- The System will select a CO/IP Line from a group based on the Round Robin, First Choice or Last Choice determined by database assignments.
- Multiple (CO Group Access Code) can be assigned to a CO Group.
- If a CO Line is not included in an outgoing CO line group, this line has to be seized using a Flex button or System feature code.

#### **PROGRAMMING**

## System Data

CO Group Access Code (PGM 114) ... see details on page A-21

PGM 114	BTN	RANGE	REMARK
CO GRP ACCESS CODE (Edit By Range)	1	Start CO Grp Access Code & End CO Grp Access Code	-
CO GRP ACCESS CODE (Edit)	2	CO Grp Access Code	-

CO Data

# $U \ \ c^*[\ \ \hat{a}, \ \acute{AO}; \ ] \ \acute{A} \ \ \tilde{A} \ \ \acute{AO} \ \ \acute{A} \ \ \acute{AO} \ \$

ÚÕT ÆÎ €	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
UWVÕUOpÕÁÕÜÚÁ⇔UÁEEÄÙ^œÓŪÁÕ¦[ˇ]Á⇔ˇ{à^¦ÁqÁæ]] ^ÁqÁ [ˇ໕[ā]*Á&æ) •È	Н	€FËIGÊĂ[}^Á ÇTÓÝÁQÜËH€€D €FËGIÊĂ[}^Á ÇTÓÝÁQÜËF€€D	

# $Q.\&[ \{ \ \ \mathring{a}\}^* \land \mathring{O}: [\ \ \ ] \land P \ \ \{ \ \ \grave{a} \land | \land \mathring{Q} ) \cap T \land F \ ) \in A. \land P \ \& P \ \ P \ \& P \ \ P \$

ÚÕT ÆÎ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
Φο ÔUΤ Φο ÕΑΘÜU ÁA DU ÁΕΕΑÛΛ ΘΑΘU ΑΘΙ[ˇ] ΑΑΣ (àΛ ! ÁA[ ÁA]]   ^ ÁA[ Á ā, &[ {ā,* Á&æ) •È	I	€FËIGÊÁ[}^Á ÇTÓÝÁQÚËI€€D €FËGIÊÁ[}^Á ÇTÓÝÁQÚËT€€D	€

# $\hat{O} \cup \hat{AO}; [~] \hat{AO} \otimes \wedge \bullet \bullet \hat{AO} [~ a^{\hat{A}O} \otimes a^{\hat{A}O}$

ÚÕT ÆÌ €	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
CEÔÔÒÙÙÁÔUÖÒÁ>CETÒÁŒÁY @}ÁxÁÔUÁÕ;]Á CE&&^••Á&[å^ÁxÁxÁxÁxÁxÁ;¦ÁØ ^¢ÁÓ°Œ[}ÁxÁ;¦^••^åLÁ }æ[^ÁxÁxÃxÃ] æ^åÁ;}Áx@Á\cææá;}€ÁSÔÖÈ	F	Tæ¢ÁrÎÁ&@ed•	Ë
ÔUÁŠŒPÒÁÔPUĆDÒÁŒŒÖ^&ãã^Áq Á^ ^&Áq ÁÔUÁ¸ã¸^Á ]¦ã¡¦ãc Áq Á^ã^ÉÞUVÒKÁY @}ÁUˇc*[ā]*ÁÕ¦[ˇ]Á Þˇ{à^¦Áa,Áj[óÁæ•ā}}^åÊÁsŒa,Áj]cā;}Áa,Áj(óÁæ}]]a³åÈ		€1ÁÜ[ˇ} åÁÜ[àā] F1ÁŠæ≥0ÁŠā]^ C1ÁΩā+0ÁŠā]^	Šæ oÁŠāj ^
UWWÕUOÞÕÁÕÜÚÁÞUÁEÄÖ^&¦{ ∄,^•Ás@ÁÔUÁ Õ¦[ˇ]Á¸ˇ{ à^¦Á•^åÁţÁ^ã^ĔÞUVÒKGÁ;[óÁ æ••ã}^åĚs@Ás&&^••Ás[å^Æá*•^åÁseÆSUUÚÁ^^È	Н	€FË GÁÇT ÓÝ ÁÐÚËH€€D €FËG ÁÇT ÓÝ ÁÐÚËF€€D	Þ[ ơૠ•• ã } ^ å Áṭ Át@ Á -ã• ơૠ& • • Áઠṭ å ^ È €FË ÁÇT Ó Ý ÁÐ Æ ←€DÁ Æ Áæ• • ã } ^ å Á • ^ ` ` ^ } Œæ   ^ Á [ { Át@ Á • ^ & ] å Áæ& • • Æ; å ^
$\begin{array}{lll} \text{CE-} \ddot{O} \ddot{O} \ddot{O} \ddot{A} \ddot{E} \ddot{A} \ddot{C} \dot{E} & \left( \left\{ \begin{array}{ll} \text{actifa} \dot{A} \ddot{A} \ddot{A} \dot{A} \dot{C} \dot{E} \end{array} \right\} \dot{A} \ddot{C} \dot{E} \ddot{C} \ddot{C} \dot{E} \\ & \mathring{a} \ddot{a} \dot{a} A$	I	Tæ¢Áπ€Áåããão•	Ë

PGM 180	BTN	RANGE	DEFAULT
ARS SERVICE If Alternate Route Selection (ARS) is set, ARS digit is dialed instead of CO Group Access code when there is no available path.	5	0: Off 1: On	Off
ARS DGT 1 Alternate CO Group Access code to be used when original CO Group Access code failed to find available CO line.	6	Max 8 digits	-
ARS 1 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	7	0: Off 1: On	Off
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.	8	Max 8 digits	-
ARS 2 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	9	0: Off 1: On	Off

# **CO Line Service**

The System can set Service attributes and several options according to each CO Line.

# **Incoming CO Line Option**

There are some options to support the Incoming CO line:

- Progress Indicator (Send)
- CID Prefix Code Add to prefix code before CLI.
- Own Code Add to Transit CID Own code can be added to incoming CLI when external User places an outgoing call through CO Line in the System.
- Provide Dial Tone Dial Tone can be provided to a Station if PX is not given the dial tone.
- CPT Detect System can release the CO Line by detecting the External User's disconnection.
- Own Code Own code is added before the Station number when CLI information is available.

″ Tæg ÁÜā),\*Á√ā; ^ÁËÂÛ^∙c^{Á^|^æ•^•Ás@ ÁÔU ÁŠā),^ÁSÁs@ Ásæ)•-^¦¦^å ΕΦ |å Áδ), &[{ā,\*ÁÔU Á∮ā,^Á ã Á,[ơÁæ)•, ^¦^å Á,¦ á[¦Áq[Á/ā, ^¦ÁÒ¢]ā ææā]}ÈÁ

## CONDITIONS

ËÁ V@āÁ^æc`¦^Á&æa}Áa^Án^cÁ[¦Ánæ&@Á;čť[ā]\*ÁÔUÁjā,^ÈÁ

# **PROGRAMMING**

# CO Line Data

ÔU ÁŠÃ ^ ÁÖææÁQÚÕT ÁFÎ ĐÁS Á ^ ÁŠ ^ œæ Á } Á } Á æ ^ OĦ Í

ÚÕT ÆÎ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÔUÁ/ŸÚÒÁŒÄÖã]  æ°•Á; @°•ã&æÁ; ^Á¢] ^Á; -Á •^ ^&&^åÁÔUÁ; ^È	F	Öã ]  æ ÁU}  ^	Ë
ÙXÔÁ/ŸÚÒÁŒÄÙ^ơÔUÁA}^Á&]^Á&]^ÁæÁÖÖÖÁ;¦Á Þ[¦{ æ È	G	€KP[¦{æ  FKÖÖÖ	Þ[¦{ æ
UWWŐUOÞŐÁŐÜÚÁÞUÁEEÄÙ^OÁÔUÁŐ¦[ˇ]Á Þˇ{à^¦ÁqÁsa}] ^ÁqÁ,*o*[ā]*Á&as  •È	Н	€FËIGËÀ[}^ÁÇTÓÝÁQÚËH€€D €FËGIËÀ[}^ÁÇTÓÝÁQÚËF€€D	€
OÞÔUT OÞÕÁÖÜÚÁÞUÁŒÄÙ^αÔŪÁÕ¦[ˇ]Á Þˇ{à^¦ÁqÁsa]]ՐÁqÁsa{{ā;*Ásæ∳•È	I	€FË GÃA[}^ÁQT ÓÝÁQÚËH€€D €FËG ÊA[}^ÁQT ÓÝÁQÚËF€€D	€
VÒÞŒÐVÁÐUÁÆÄÜ^óÁ/^}æ)oÁT¦[ˇ]Á,ĭ{à^¦Áq[Á æ}] ^Áq[ÁÖUÁ;jA•È	ĺ	FËJÁÇT ÓÝÁQÚËHE€D FËHÁÇT ÓÝÁQÚËF€€D	F
ÖŐVÁÔUÞXÒÜVÁVÓŠÁŒÄU^oÁÖð ãÁÔ[}ç^¦•ð[}Á Væà ^Ág å^¢È	Î	FÜ	G
ÙÕÞŒŠÁŸÚÒÆÄÄU^œŒ,^¦ÆÛæ}æţÁ^]^È	Ϊ	EMÁP[ÁÙā}æļ FMÁÙ^}åÁYā}\ÁÇCÔD CMÁYæñÁÛ^ã^ÁCE&\ÁÇUÕD HMÁÙ^}åÁYā}\ÆSÁYæñÁÙ:ÁCE&\ IMÁÙ^}åÁSÁYæñÁÙæð• ÍMÁÙ^}åÁSÁYæñÁÙA}• ÍMÁÙ^}åÁYā\ÁBÁÙ^}åÁCE,^\¦ÁÇCÔD ĨMÁYæñÓCE&\ÁBÁÙ^}åÁCE,-,^¦ÁÇŪÕD ÏMÁV^åÁCE,ÁBÁÙ^}åÁCE,	Þ[ÁĴðt}æ
ÜŠÙÁVOT OÞŐ ÁEFÁÐÜ^ /æ^Á/ā; ā*ÁæÁ^cÁ; Áā•cÁ !^ /æ^ÊÔUÁā;^ÆÁ^ /æ^åÁ; @}Á;}^Á;æċćÁ !^ /æ^Á@Á&#IĚŌÆÔ# ^¦Á;¦ÁÔ# /åÁÜ^ /æ^Æá •^ŒÂÔUÁā;^ÆÁ^ /~æ^åÁ; @}Ææ  ^¦Á;¦Ææ  ^åÁ ]æċÁ^ /æ^åÁ@Á&#E</td><td>Ì</td><td>€1ÁØã• oÜ^ ^æ•^ F1ÁÔæ ^¦^¦ÁÜ^ ^æ•^ G1ÁÔæ ^åÁÜ^ ^æ•^</td><td>Øā• ŒŰŠÙ</td></tr></tbody></table>			

5-11

PGM 160	BTN	RANGE	DEFAULT
INC/OUT MODE Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	9	0: Incoming Only 1: Outgoing Only 2: Allow Both	Both
DIALING TYPE Signal type can be selected; DTMF, Pulse, R2MFC.	10	0: DTMF 1: PULSE 2: R2	DTMF
CHARGE MODE 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.	11	0: Free 1: Report	Report
METERING TYPE 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.	12	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)	None

# Incoming CO Attributes (PGM 165-166) ... see details on page A-48

PGM 165	BTN	RANGE	DEFAULT
NAME incoming CO line name can be assigned.	1	Max 16 chars	-
SCREEN INDICATOR determines if screen indicator will be inserted in ISDN messages.	2	0: Off (user-provided, not screened) 1: On (user-provided, verified and passed)	Off

ÚÕT ÁTÎ Í	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÔŒŠŠŒPÕÁ/ŸÚÒÁĒŽÍ; ¦ÁD&I { 尋 * Á&æ •Á; }Á@ÁŪÜÖÞÁŠ尋^ÉÁ c@āÁ; ᇏ繧 ^ơ; ¦Ás^尋, ^•Á;@ÄŸ/ ] ^Á; ÁÞ* { à^¦ÁU æ; ÄÁ ] ![çãå^åÁ;ÁÔ[}}^&&åÁUæ;ćÁQ-{;{ æ霜; }ÁO ^{ ^} oÁ; Á;@Á ŪÜÖÞÁ&æ ÁÔUÞÞÒÔVÁ; ^••æ*^È	Н	€HÁW}\}[¸} FHÁQ?c^\}æeā[}æ¢ GHÁDæeā[}æ¢ HHÁÛ`à•&lâā^\ IHÁD[cÁW•^å	Ù à•&lâa^¦
ÔŒŠŠŒPÕÁÞWTÁÚŠŒÞÁËÄ^ ^&Ó&{\${}}^&c^åÁ¸`{à^¦Á¸ æ¸Á [-ÁŪÜÖÞÁÔUÞÞÒÔVÁ¸^••æ*^È	I	€HÁW}\}[,} FHÁŒÂJÖÞÐM^ ^]@[}^ GHÁÖæææ HHÁM^ ^¢ IHÁÞææā[}æ¢ ÍHÁÚ¦āçææ^	W}\}[,}
\`\O`PÖÁUÜUÕÜÒÙÙÁQPÖÁEEÄSÁ@A`A^æ`;^ÆA`A^A{ ÁOEŠŠÉÁ Ú;[*;^••ÁQªå&æ{;;ÆA^A}, A4 Á@ÁQÜÖPÁÜÜVPÁæA[`AOEŠÉÁ T^••æ*^È QÁ@AÁ°æč;^ÆA`A^A{ ÁOEŠÒÜVQPÕÉÁÚ;[*;^••ÁQå&æ{;;ÆA`Á •^}AÁ[Á@ÁQÜÖPÁÜÙVPÁæA[`AOEŠÒÜVQPÕÉÁÚ;[*;^••ÆA`À	ĺ	€ÁÁÞU FKÁDĚŠŠ GKÁDĚÖÜVOÞŐ	ÞU
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PGM 165	BTN	RANGE	DEFAULT
CLI CONV TABLE CLI Conversion Table index.	15	1-9	1
HOLIDAY RING INDEX if ring mode is holiday and this is assigned, an incoming call is routed to the destination of holiday alternative ring index.	16	01-80, Not Asg	none

PGM 166	BTN	RANGE	DEFAULT
PROVIDE DIAL TONE If this feature is set to ON, dial tone is provided to networking CO.	1	0: Off 1: On	Off
BLF USAGE If this feature is set to ON, flex button LED will be flashing when CO line is programmed on the button.	2	0: Off 1: On	On
UNSUP CONF ENTEND If this feature is set to ON, unsupervised conference timer can be extended by dial feature code after warning tone is heard.	3	0:Disable 1:Enable	Disable
BLOCK IN CLRFWD TMR If this feature is set to ON, CO line is blocked after clear forward waiting time.	4	0: Off 1: On	Off
CPT DETECT If this feature is set to ON, Call processing tone is detected to disconnect LCO line.	5	0: Off 1: On	On
ABSWER WAITING CALL If this feature is set to ON, system sends answer when call is waited.	6	0: Off 1: On	Off
UNIVERSAL ANSWER If this feature is set to ON, any station to answer a call on the CO Line by dialing the Universal Answer feature code.	7	0: Off 1: On	Off
RLS GUARD TIME If CO release signaling is not completed successfully, CO line is disconnected when timer expires.	8	00-15 (sec)	01
UNSUP CONF TIMER 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.	9	000-255 (min)	000
WAIT CLRFWD TIME Clear Forward Waiting Time.	10	001-300 (sec)	300
MAX RING TIME Max. Ring Time for when incoming CO calls are transferred/recalled.	11	015-300 (sec)	120
DISA SUPERVISION TMR DISA Supervision Timer.	12	1-9 (sec)	2
VMIB PLAY DELAY TMR Determines the amount of time paused before playing VMIB announcement.	13	0-9 (sec)	0

ÚÕT ÆÎ Î	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠV
OPÔUT OPÕÁVOTÒÁ/OEÓŠÒÁĒËÁV@Ásą ^Ávæà ^Ásjå^¢ÁsjÁs^Ásaj] ā°åÁ qíÁsj&[{āj*ÁÔUÁÔæ  È	FI	FËJÉĄ[}^	}[}^
ÔU ÁÖÒŠOĞ ÁÐÐÙY ÒÜÁTT ÜÁÐÁÐ ¦ÁÐ &[{ā]*Á&æ •Á;}Ás@ÁÐÜÖÞÁ Šā]^BÁ®AÁ;ææ;^ơ\¦Ás^æj,^•Ás@Ás^ æÁkā;^Ás^ç,^^}ÁÐÐ\¦æ;*Á æ;åÁÔ[}}^&AT^••æ*^È		<u>€#</u> €##\$	€
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# **Outgoing CO Line Option**

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- ŐŠŒÁQ,-{¦{ææā[}Ás[Á√¦æ;)•{ãæÁ[¸æåÁÚÝÁ[}ÁUˇ♂[ā]\*Á√¦æ;)•ãæÁÔæ||•Á.ÁÔ¦^ææ^•Á;^¸ÁÔŠŒÁ à^Áæååā[\*Á;¦Áš^|^æ;\*Ás@Á^&^ãç^åÁÔŠŒÁQ,-{¦{ææā[}ĚÁ
- Őæļlā, \*ÁÚæċćÁn> \*{ à^¦ā, \*ÁÚ|æ;) Á. ÁÖ^¢^¦{ā, ^•ÁÔæļlā, \*ÁÚæċćÁn> \*{ à^¦ā, \*ÁÚ|æ;) Ás, -[;{ ææā[} Á ã/áæ/ś[} •ã Ár, -ÁOÙÖÞÁÔŠÆÐ; -[;{ ææā[} Ár], ÁÚ \*č [ā, \*Á/æ;) •ãóÆþÆÁ
- "ÜÓVÁ)"]][¦ơÁ ÄÖ^ơ\;{ ¾ ^• ÆÂÛ^• ơ\{ Á`]][¦ơÁÜÓVÆÁ®ÆÚÝÆ\$[ ^• Á;[ơÁ`]][¦ơÁÜÓVÁ
  ¸ @} ÆÐÁQơ\;}æÁM•^¦Á;|æ&^•ÆÐÁU\* ♂[¾\*ÁÔæ|Á^ã¾\*Á®ÁV;}\ÁÔUÆŠ¾^ĚÁ

# **CONDITIONS**

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# **OPERATION**

If set, Outgoing CO Line operation is automatic.

# **PROGRAMMING**

# CO Data

CO Line Data (PGM 160) ... see details on page A-45

PGM 160	BTN	RANGE	DEFAULT
CO TYPE Displays physical line type of selected CO line.	1	Display Only	-
SVC TYPE Set CO line type as DID or Normal.	2	0:Normal 1:DID	Normal
OUTGOING GRP NO Set CO Group Number to apply to outgoing calls.	3	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01
INCOMING GRP NO Set CO Group Number to apply to incoming calls.	4	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01
TENANT NO Set Tenant group number to apply to CO lines.	5	1-9 (MBX IP-300) 1-3 (MBX IP-100)	1
DGT CONVERT TBL Set Digit Conversion Table index.	6	1-9	2
SIGNAL TYPE Set Answer Signal Type.	7	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	No Signal
RLS TIMING 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.	8	0: First Release 1: Caller Release 2: Called Release	First RLS
INC/OUT MODE Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	9	0: Incoming Only 1: Outgoing Only 2: Allow Both	Both

ÚÕT Æî €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖQDEĞQÞŐÁYŸÚÒÁEĞÁJª} æyÁS]^Ásæ) Ás^Á^ ^&c^ålÁ ÖVT ØĞÁJ* •^EÄÜGT ØÖÈ	F€	€KÄŰVTØ FKÁŰWŠÜÒ GKÁÜG	ÖVTØ
ÔPCEÜÕÒÁT UÖÒÁĒÄQÁØÜÒÒŒÁ® Á¢ベ¦} 舜ీæḍÁcaḍÁcQ * * @ÁÔUÁą ^ Áŧ Á; [ બá, lạ ch à Đaẹ ^ å Áṭ ÁŪT ÖÜÁ ^ ç^} ÁsQ * * @ÁŪT ÖÜÁs Ár} æà  ^ å È GÁÜÒÚUÜVŒÁ® Ár¢ベ;} 舜ీÆ라[ÁsQ * * @ÁŪT ÖÜÁār Ár} &À; Åq Ás@ ÁŪT ÖÜÁār Ár} &J* år år År Ás@ ÁŪT ÖÜÁCŒdãa* ch È		€ΜάΩ'^^ FΜάŪ^][¦c	Ü^][¦c
T ÒVÒÜ Œ ÕÁ 'Ÿ Ú ÒÁĒÄ ( R& ; * Áţ ÁÚÙ VÞÁ  • ^ ; çæ ^ Ás ] ^ É ( ^ c * ; a * Ás ) ^ Ás æ ; Ás ^ Á ^   ^ & c å Á  æ [ ] * ÁEEË GÁţ Á; æ ; æ* ^ Ás æ   Ás @ * ^ ÈEE ĒĒ Á  &æ ; Ás ^ Ás ]   a * á fg ÁSÔU Áa ^ • ÉE ĒĒ ĒF GÁS æ ; Ás ^ Á  æ ; ]   a * á Áţ ÁŪ)ÖÞÁā ^ • È	FG	€€KÁP[}^ €FKÁFGSP: €CHÁFÎSP: €CHÁFÎSP: €LHÁL€SP: €LKÁUÚÜ €ÍKÁUÚÜ €ÍKÁDÚÜ €ÍKÁDÚÜ €ÍKÁCEJÔÁFÇÁÇÆÐÁBÁU]æÐ D €JKÁCEJÔÁFÁÇÆÐÁBÁU]æÐ FFKÁCEJÔÁLÁÇÓ^ * ã{ D FGKÁCEJÔÁLÁÇÓ^ * ã{ D FGKÁCEJÔÁLÁÇÓ^ * ã{ D FGKÁCEJÔÁLÁÇÓ^ * ã{ D	Þ[}^

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ÚÕT ÆÏ €	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙÔÜÒÒÞÁŒPÖ®ŒVÜÜÆŒÖ^ơ¦{ ā,^•ÆÁ&¦^^}Á ā,åaææ[¦ÆÁ•^åÆ;Á®)ÖÞÁ; ^••æ*^È	F	€MÁU –ÁÇ•^¦Ë;   çãã^åÊÁ;   cÁ         •&'^}^åD         FMÁU} ÁÇ•^¦Ë;   çãã^åÊÁ         ç^¦ãã³åÁæ;åÁ,æ••^åD	U~
ÙÒÞÖŒPÕÁÔŒŠŠÒÜÁPUÁŒÄÛ^}åã;*ÁÔæ  ^¦Á;´{à^¦Á {^••æ*^Á;ÁÜÖÞÈ	G	€ÁÚ~ FKÁÚ}	U}
ÔŒŠŠŒPÕÁ/ŸÚÒÁÏÏØ[¦Á;ˇơ[ã;*Á&碘 •Á;}Á@ÁѾÖÞÁ Šā,^ŒĸŒpÁ;ææ;^ơ;¦Ás^ą;^•Á@ÄÄV]^Á;Ár>´{à^¦Á Ú æ;ÄÁ;[çãs^å/ÁsÁÖæ]ā;*ÁUæ;cÁQ;{¦{ææā;}ÁÖ ^{^}oÁ [-Á@ÁÜÜÖÞÁ&碘ÁÜÒVWÚÁ;^••æ*^È	Н	€\rÁW}\}[,} F\rÁQvo^\;}æaā[}æ¢ G-Kapæaā[}æ¢ H-KÂQ`à•&\āā^\; IKAp[o-ÁW•^	Ù à•&¦æ^¦

PGM 170	BTN	RANGE	DEFAULT
CALLING NUM PLAN Select Calling number plan of ISDN SETUP message.	4	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
CALLED NUM PLAN ID Select Called number plan of ISDN SETUP message.	5	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
BEARER CAPABILITY - Select Bearer Capability of ISDN SETUP message.	6	0: Speech 1: Unrestricted 2: Restricted 3: 3.1KHz Audio 4: 7KHz 5:Video	Speech
ISDN LINE TYPE 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.	7	0:A-law 1:U-law	A-law
SENDING COMPLETE IE If set, will send 'Sending Complete' IE to ISDN SETUP message.	8	0: Off 1: On	Off
MAKE TRANSIT CLI When no CLI is sent with a transit call, system will initiate a CLI to CO direct transit call.	9	0: Off 1: On	Off
OWN CODE TO TRANSIT CLI 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.	10	0: Off 1: On	Off
USE REPRESENTATIVE CLI If this feature is set to ON, representative CLI is used to every outgoing call of selected CO line.	11	0: Off 1: On	Off
REPRESENTATIVE CLI When 'Use Represent CID'(PGM170-F10) is set to ON, representative CLI is sent when making outgoing call regardless of other CLI attribute.	12	Max 16 digits	-

ÚÕT ÆÏ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
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VÜCEÞÙCVÁÔŠCÁVŸÚÒÁŒÁV¦æ; • ã bÔŠCÁS]^Á&æ; Áà^Á •^ ^&c^áÈ QÁ^cÁ[Ádæ; • ã bÔŠCÉÁ; } ^Á^ ^&c^åÁdæ; • ã bÔŠCÁBæææÆá *•^åÁ§• c^æåÁ; -Á[¦{ æþÔŠCÈ	FÍ	€HÞ[¦{ æ¦ FKÔŠŒÁÇÚÕT ÁFÎÍĒZÌD GYÔŠŒÁÇÚÕT ÁFÎÍĒZUD HYÔŠŒHÁÇÚÕT ÁFÎÍĒZF€D	Þ[¦{ æ
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CO Line Service 5-19

Chapter 5: CO/IP

PGM 171	BTN	RANGE	DEFAULT
MAX TRANSFER RING TIMER Max. Ring Time when outgoing CO is transferred/recalled.	7	001-300 (sec)	120
OUTGOING TIME TABLE The time Table index to be applied to outgoing CO Calls	8	1-9, none	none

# **Alternate Incoming CO Service**

If the system cannot answer for an incoming CO call, a programmed service can be provided or it can be routed into a programmed destination. This feature is applied by incoming CO Group base Administrator to select the Routing Destination for the Incoming CO line on a case-by-case basis as follows:

- Busy When calling a Busy User, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring Table, Tone, or Pilot Hunt.
- No Answer When an Incoming Call goes unanswered, it can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring Table, Tone, or Pilot Hunt.
- Transfer No Answer When an Incoming Call goes unanswered after an unscreened transfer, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring Table, Tone, Pilot Hunt, or Transfer Station.
- Recall No Answer When an Incoming Call goes unanswered after a recall on a CO call, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring Table, Tone, or Pilot Hunt,
- Vacant If dialing analysis determines an Incoming CO Call is to a vacant number, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, or Tone.
- DND If an Incoming CO call is attempted to a DND User, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, Tone, or Pilot Hunt.
- Handset Lifted If an Incoming CO Call is received at a Station where the handset is lifted (Off-Hook), the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, Tone, or Pilot Hunt.
- Blocking If an Incoming Call is placed to a Blocked User, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, Tone, or Pilot Hunt.

## CONDITIONS

- This feature can be set for each incoming CO Group.
- The destination is set differently according to Day, Night, and Time modes.

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# **OPERATION**

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# **PROGRAMMING**

# CO Line Data

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PGM 160	BTN	RANGE	DEFAULT
INC/OUT MODE Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	9	0: Incoming Only 1: Outgoing Only 2: Allow Both	Both
DIALING TYPE Signal type can be selected; DTMF, Pulse, R2MFC.	10	0: DTMF 1: PULSE 2: R2	DTMF
CHARGE MODE 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.	11	0: Free 1: Report	Report
METERING TYPE 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.	12	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)	None

# Incoming CO Line Attributes (PGM 165-166) ... see details on page A-48

PGM 165	BTN	RANGE	DEFAULT
NAME incoming CO line name can be assigned.	1	Max 16 chars	-
SCREEN INDICATOR determines if screen indicator will be inserted in ISDN messages.	2	0: Off (user-provided, not screened) 1: On (user-provided, verified and passed)	Off

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PGM 165	BTN	RANGE	DEFAULT
CLI CONV TABLE CLI Conversion Table index.	15	1-9	1
HOLIDAY RING INDEX if ring mode is holiday and this is assigned, an incoming call is routed to the destination of holiday alternative ring index.	16	01-80, Not Asg	none

PGM 166	BTN	RANGE	DEFAULT
PROVIDE DIAL TONE If this feature is set to ON, dial tone is provided to networking CO.	1	0: Off 1: On	Off
BLF USAGE If this feature is set to ON, flex button LED will be flashing when CO line is programmed on the button.	2	0: Off 1: On	On
UNSUP CONF ENTEND If this feature is set to ON, unsupervised conference timer can be extended by dial feature code after warning tone is heard.	3	0:Disable 1:Enable	Disable
BLOCK IN CLRFWD TMR If this feature is set to ON, CO line is blocked after clear forward waiting time.	4	0: Off 1: On	Off
CPT DETECT If this feature is set to ON, Call processing tone is detected to disconnect LCO line.	5	0: Off 1: On	On
ABSWER WAITING CALL If this feature is set to ON, system sends answer when call is waited.	6	0: Off 1: On	Off
UNIVERSAL ANSWER If this feature is set to ON, any station to answer a call on the CO Line by dialing the Universal Answer feature code.	7	0: Off 1: On	Off
RLS GUARD TIME If CO release signaling is not completed successfully, CO line is disconnected when timer expires.	8	00-15 (sec)	01
UNSUP CONF TIMER 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.	9	000-255 (min)	000
WAIT CLRFWD TIME Clear Forward Waiting Time.	10	001-300 (sec)	300
MAX RING TIME Max. Ring Time for when incoming CO calls are transferred/recalled.	11	015-300 (sec)	120
DISA SUPERVISION TMR DISA Supervision Timer.	12	1-9 (sec)	2
VMIB PLAY DELAY TMR Determines the amount of time paused before playing VMIB announcement.	13	0-9 (sec)	0

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5-25

PGM 181	BTN	RANGE	DEFAULT
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.	3	Valid Feature Code (Refer to PGM115)	-
FEATURE DELAY If Service type is set to Feature code, it can be delayed.	4	00-30 (secs)	00

## **Alternate Outgoing CO Service**

A User can place an outgoing CO call and then can Hold or Transfer the Call to another User. If the System cannot answer for an external Outgoing Call, a programmed service can be provided or it can be routed into a programmed destination. This feature is applied by CO Line Group by the Administrator.

- Recall No Answer Station does not answer the Hold Recall, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, Tone, or Pilot Hunt.
- Transfer No Answer Transferred call goes unanswered, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, Tone, Pilot Hunt, or Transfer Station.
- No Answer If an incoming call goes unanswered, the call can be set for routing destination, Disconnect, ATD, CO Ring Assign, Alt Ring table, Tone, or Pilot Hunt. Operation If set, Alternate Outgoing CO Service is automatic.

## CONDITIONS

- This feature can be set for each CO line.
- If attendant is not assigned and it calls an incoming CO call, it plays error tone.
- If there is no voice mail resource or all voice mail channels are busy, it plays error tone.
- The destination is set differently according to Day, Night and Timed modes.
- If the destination is a ring table, all features of ring table can be applied.

## **PROGRAMMING**

CO Line Data

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PGM 160	BTN	RANGE	DEFAULT
CHARGE MODE 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.	11	0: Free 1: Report	Report
METERING TYPE 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.	12	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)	None

## Outgoing CO Alternative Attribute (PGM 173) ... see details on page A-57

PGM 173	BTN	RANGE	DEFAULT
DAY ALT DEST Abnormal case can be selected as error type.	-	F1: Recall No Answer F2:Transfer No Answer F3: No Answer	-
NO ANSWER DISCONNECT The CO call is disconnected. Every destination is set to 'Disconnect' by default.	1	-	-
NO ANSWER ATTENDANT The CO call is routed to Attendant.	2	-	-
NO ANSWER CO RING ASSIGN The CO call is routed according to Ring Assign Table. (see PGM 167)	3	-	-
NO ANSWER ALT RING TBL 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)	4	01-80	-

ÚÕT ÁFÏ H	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
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## **Digit Sending Mode**

Q[ | Á&æ||•Ás@æÁæ}^Á§j ãããæe^åÁ`•āj \*Áæj ÁDB&^••ÁÔ[ å^ÊÁs@Á^} åāj \*Áåā\*ãæ Á&æj Áà^Á^oÁ[ ¦Á^} Ëà|[ &\^åÁ [ | Á; c^| | æð ] ^åÈÁ

## **OPERATION**

#### **PROGRAMMING**

CO Line Data

Öðið ðáðu^} åðiði ÁT [å^ÁQÚŐT ÁFÎ GÁÄÐÖŠÒÝÁÐDÁS ÁA^^ÁS^cæðiþ Á; }Á; æði^ OĦÜ Ï

ÚÕT ÆÎ G	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖÖĞ QVÁÙÒÞÖ QÞŐÁT UÖÒÁEZÁÖUÁ (3, ^ • Á& 23) Á (3, ^ Á ^ Ó (4, Á ^ ) å Á (3 ã á á á á á á á á á á á á á á á á á [ç^¦ æ]Á; Á ; Á ; à  [& Á, ^ cQ å È	G	€KUç^¦ æ} FKÒ}à [&\	Uç^¦ æ

## co cos

 $V@^{\dot{A}}^{\cdot} = \tilde{a} \cdot \tilde{a}$ 

## **OPERATION**

## **PROGRAMMING**

CO Line Data

## CO COS Assign (PGM 177) ... see details on page A-60

PGM 177	BTN	RANGE	DEFAULT
DAY COS CO COS in Day mode.	1	00-15	0
DAY COS CO COS in Night mode.	2	00-15	0
DAY COS CO COS in Timed mode.	3	00-15	0

## **DID Name Service**

When there's DID call, if name is programmed in Digit Conversion Table and dialed digit is matched, the name is displayed on ringing Station's LCD.

## **OPERATION**

If programmed, did name is displayed to DID destination station's LCD.

## **PROGRAMMING**

## Table Data

DID Name (PGM 251) ... see details on page A-104

PGM 251	BTN	RANGE	DEFAULT
APPLY T-TYPE The Apply time type to be applied when the dialed digit is dialed.	1	0:Unconditional 1:Follow DNT 2: Follow LCR	Unconditional
DIALED DIGITS The dialed digits.	2	Max 16 digits	-
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'.	3	Max 16 digits	-
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'.	4	Max 16 digits	-
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'	5	Max 16 digits	-
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'.	6	Max 16 digits	-

ÚÕT ÁGÍ F	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÖFEVFÁÖPCEÞŐÖÖÁEEÁV@ÁÖUÁŐ¦[*]ÁGE&A^••ÁÖ[å^Áse)åÁsáðárðÁ qÁsa^Áa^}cÁqÁÚÝÁSÁÖsæÁFEVÆ;^ÁFGÁ;@}Ás@Ásæa4^åÁsððáróÁ ]¦^••^åÁsÁGE]] ^Ásē;^ÁS;]^ÁsÁGZUŠŠUYÆSÖÜCE	Ϊ	Taq¢ÁrÎÁsâããe	Ë
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## **Incoming CO Line Holiday Service**

When Ring Mode is Holiday mode, incoming CO call can be routed to Alternative Ring destination by a programmed holiday ring table index.

The destination of alternative ring table can be station or feature code.

## **OPERATION**

If set, CO Line Holiday Service operation is automatic.

## **PROGRAMMING**

## CO Line Data

Incoming CO Line Attributes (PGM 165-166) ... see details on page A-48

PGM 165	BTN	RANGE	DEFAULT
NAME incoming CO line name can be assigned.	1	Max 16 chars	-
SCREEN INDICATOR determines if screen indicator will be inserted in ISDN messages.	2	0: Off (user-provided, not screened) 1: On (user-provided, verified and passed)	Off
CALLING TYPE 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.	3	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	Subscriber
CALLING NUM PLAN select connected number plan of ISDN CONNECT message.	4	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
SEND PROGRESS IND if this feature is set to ALL, Progress Indicator is sent to the ISDN PSTN about All Message.  If this feature is set to ALERTING, Progress Indicator is sent to the ISDN PSTN about Alerting Message.	5	0 : NO 1: ALL 2: ALERTING	NO
R2 ANI SVC REQ if this feature is set to ON to R2 line, system request ANI digits (CLI data) to the calling party.	6	0: Off 1: On	Off

ÚÕT ÆÎ Í	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
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ÚÕT ÆÎ Î	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÚÜUX © ÒÁÖ QŒŠÁUÞÒÁŒÄ Á^æč¦^Æá^oÁţÁJÞÊããæÁqí}^A ã Á;¦çãã^åÁqÁ¸^ç;¦\ã;*ÁÔUÈ	F	€KÁU~ FKÁU}	U~
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PGM 166	BTN	RANGE	DEFAULT
ABSWER WAITING CALL If this feature is set to ON, system sends answer when call is waited.	6	0: Off 1: On	Off
UNIVERSAL ANSWER If this feature is set to ON, any station to answer a call on the CO Line by dialing the Universal Answer feature code.	a call on the CO Line by dialing the Universal 1: On		Off
RLS GUARD TIME If CO release signaling is not completed successfully, CO line is disconnected when timer expires.	8	00-15 (sec)	01
UNSUP CONF TIMER 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.	9	000-255 (min)	000
WAIT CLRFWD TIME Clear Forward Waiting Time.	10	001-300 (sec)	300
MAX RING TIME Max. Ring Time for when incoming CO calls are transferred/recalled.	11	015-300 (sec)	120
DISA SUPERVISION TMR DISA Supervision Timer.	12	1-9 (sec)	2
VMIB PLAY DELAY TMR Determines the amount of time paused before playing VMIB announcement.	13	0-9 (sec)	0
INCOMING TIME TABLE The time Table index to be applied to incoming CO Call.	14	1-9, none	none
CO DELAY ANSWER TMR For Incoming calls on the ISDN Line, this parameter defines the delay time between Alerting and Connect Message.	15	0-100 (100msec)	0
OFFNET FWD USAGE ISDN lines can be set to use Call Deflection/Call Rerouting service if PSTN supports these feature.	16	0:Join 1:Call Deflection 2:Call Rerouting	Join

## Alternative CO Ring Table (PGM 181) ... see details on page A-63

PGM 181	BTN	RANGE	DEFAULT
SERVICE TYPE 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.	1	0: All Ring 1: First Idle 2: Circular 3: Feature Code	All Ring
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.	2	(00-30) or one station number	-

ÚÕT ÆÌ F	ÓVÞ	ÜŒÞÕÒ	VŽN <b>Z</b> OQÓÖ
ØÒŒMÜÒÁÔUÖÒÁĒÄGÁ^oÁ;ÁØ^æč¦^ÁÔ[å^Áæ}åÁşæĕãÁ^æč¦^Á &[å^ÆaÁæ•ã}^åÉk@}Áæ•ã}^åÉk@}Áæ•ã}^åÁ^æč¦^ÆaÁæ;æ¢åÁ¸@}Á c@¦^ÆaÁæ}Ág&[{ā]*Á&æ È ÞUVÒKÆØ^æč¦^ÁÔ[å^ÆaÁ;[ơÁæ]] ð³åÁgÁ^![čoåæ;•È	Н	Xaqaaana Aooraac in Á Ôi an Áqun an Iag ÚÓT FFÍ D	Ë
ØÒŒWÜÒÁÖÒŠŒŸÁŒÄQÁÙ^¦çã&Ác}]^Áa Ár^Áq ÁZ°æč¦^Á&[å^ÉÁgÁ &æjÁa^Áa^jæ^åÈ	I	<del>€€ÏH€Á</del> Ç^&•D	€

## **DID/DISA Restriction**

ÖÖÖÁ; ¦ÁÖÒÙŒÆæ#|•Áq Áq [{ ^Árææā]}•Áææ} ÁsrÁ^•dææ^å Áææ&{ ¦åā;\*Áq ÁŒå{ āj ÁÚ¦[\*¦æ¢ È GÁ[{ ^Árææā]}Á,`{ à^¦ÁærÁr^oÁq ÁÖÖÖEÖÒÙŒÁ^•dæ&ā]}Ês@Æş -{¦{ ææā]}Á.•Ásāā]|æê^åÁ;}Ás@Á •œæā]} ⓒÁŠÔÔÈ

#### CONDITIONS

- EÁ Y @} Ás@ Ásæll/\ Ásãæl^àÁs@ Árææði } @ÁÖÖÖÁ; \ÁÖÒÙOZÁ \* { à^\EÁs@ Ásæll/Ás Á^• dæsc^åÈ
- ËÁ Uc@¦Á&æ|•ÁÇā;\*Áæ••ã}^åÁÔUÁ&æ|•Á;¦Á;¦¸æåååÁ;¦Ádæ)•-△¦¦^åÁ&æ|•ÉA'c&DÁæ;^Á;[oÁ ¦^•dæc°åÈ
- ËÁ V@āÁ^æcč¦^ÁsāÁ,[cÁsad]] (ā\åÁt ÁÛQÚÁ, @}}^•È

## **OPERATION**

 $QA_{|\cdot|}^{+}$  | \* |  $A_{|\cdot|}^{+}$  | \* |  $A_{|\cdot|}^{+}$  |  $A_{$ 

To change DID/DISA restriction status from each station terminal(toggle):

Öæn∮Ác@Á,ÖÖÖHÖÖQÙOÁÜ^•dækaaaaaaaaa } Ác2^æci ¦^ÁÔ[å^¤È

#### **PROGRAMMING**

## Station Data

ÚÕT ÆH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖÖÖÁÖÒCÆÜÒÙVÜÔVOUÞÆŒÆA^^Á;ÁUÞÆB,&[{ ā,* ÄÖÖÖÁ;¦ÁÖÒCÆÁā,* Á q ÄÖÞÆrÁ^•dæ&^åÈ	FG	€KU~ FKU}Á	U~

Numbering Plan

## DID/DISA Restriction (PGM 113 - FLEX 108) ... see details on page A-21

BTN	FEATURE (PGM 113)	REMARK
108	DID/DISA Restriction	685

## CO/IP LINE PRESET FORWARD

Each CO/IP Line can be assigned a Ring-No-Answer Preset Forward destination. An incoming call on the CO/IP line will be routed to the designed Ring Destination, following expiration of the CO/IP Line Preset No Answer Forward Timer. Preset Forward destination, determined according to the Ring Assignment Table.

#### CONDITIONS

- This feature can be set for each Normal-type CO Line, not DID-type CO Lines.
- CO/IP Line Preset Forward is available only when Incoming CO Ring Group destination is DN: not activated when destination is a Station Group or CCR.
- CO/IP Line Preset Forward will override Call Forward No-Answer at a Station.
- If Destination Station has an External No Answer Preset Call Forward destination set and the timer is same as CO Preset Forward Timer, CO Preset Call Forward will take priority. Otherwise the timer that expires first will be applied and Forward Destination will be applied according to the expired timer.
- CO/IP line Preset Forward is disabled if the Preset Forward Timer is set to 0.
- CO/IP line Preset Forward destination cannot be a VM Group.
- CO/IP line Preset Forward is not applied to the DID line.

#### OPERATION

#### System

If set, CO/IP Line Preset Forward is automatic.

#### **PROGRAMMING**

## CO Line Data

CO Service Type (PGM 160 – FLEX 2) ... see details on page A-45

PGM 160	BTN	RANGE	DEFAULT
SVC TYPE Set CO line type as DID or Normal.	2	0: Normal 1: DID	Normal

## Ú¦^•^ơÁZ[¦¸æłåÁ/ãį ^¦ÁQÚÕTÁFÎÌÁ.ÁZŠÒÝÁ,DÁSÁ^^Á&^Zæáj•Á;}Ájæť^CŒÉG

ÚÕT ÆÎ Ì	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÚÜÒÙÒVÁØUÜY ŒÜÖÁ/Œ ÒÁŒŒÇÁ© ÁÔUÆ; Á,[cÁ;;) •¸^¦^åÆ; ÁÚ¦^•^cÁ Ø[¦¸æ¦åÁ/ā;^Ê£iÁ;ā]Æ; Å Æ;^Á[čchá, Á; Áæ•êã}^åÁā;*Á/æ;)^È	I	€€ËG€Á Ģ^&D	€€

## $\dot{\text{U}}^{\text{I}} - \hat{\text{A}} \dot{\text{A}} = \hat{\text{A}} \dot{\text{U}} \dot{\text{A}} + \hat{\text{A}} \dot{\text{A}} \dot{\text{A}} \hat{\text{A}} \hat{\text{A}$

ÚÕT ÆÎ Ì	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÚÜÒÙÒVÁØYÖÁÜQÞŐÁ/ÒŠÁËÄÚ¦^•^oÁØ[¦¸æ¦åÁā]*Á/æà ^Ás¸å^¢Ásæ)Ás^Á æ••ā}^åÈÄÇÜ^-^¦Ás[ÁÚÕTÁrÌFD	ĺ	€FÜ€	Ë

## CHEC'L} agag^ÁÔUÁÜā, \*Á/agà|^ÁQÚÕTÁFÌ FDÁSÁ^^Á&^cagai•Á;}Á; æt^ CHÊH

ÚÕT ÆÌ F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙÒÜX ΦÒÁ "ŸÚÒÁ "ÏÁQÁ ^ oÁse Á=ĒCTÁ Ā, * Á, ] cā, } Æs Ásē, ]  ā à Á; Áā, * Á æ• • ã } ^ åÁ cæā; } • EAU c@ ¦¸ ã ^ EÁsÁ ^ oÁ; Á EÁ * æc ¦ ^ Ás[ å ^ Æs Á æscā; æc ^ åÁ;   Æs &[ { ā, * Ásæ; • È	F	ਚਿ\$ਹਜ਼(ਮੌਹੜ੍ਹ) * FK\$ਹਣੇ• ਹ∕ਫੇ ^ GK\$ਹੈਰੇ&` æ HK\$ਹ^æč¦^ÁÔ[å^	ŒĮÁÜĄ*
ÔUÁÜQÞŐÁQĒÙÙŒÞÁĒÄÖ^•cājæāj}Ácæāj}•ÁsæjÁs^ÁàāråÁ•āj*ÁæÁæ)*^Á¦Áj}^ÁsārÁ;^ÞĚQÁ¦!^••ÁØ ¢ÆĒÁæ)åÁs@}ÁsārÁàÁ•āj*Á æÁæ)*^ÁÇ]ÁgÁH€Ácæāj}•DÁ¦ÁàãÁÁ}^Ácæāāj}Á;~ ácæāj}Á;~ à^İÈÁ	G	Ç <del>∈∈ÜH</del> ∈DÁ,¦Á,}^Á •cæaã,}Á,`{à^¦	Ë
ØÒŒVWÜÒÁÔUÖÒÁĒËÁQÁ^^Áţ ÆØ^æč¦^ÁÔ[å^ÁæġåÁçæáãÁ^æč¦^Á &[å^Æa∱敪ã}^åÆa@}Áæ•°ã}^åÁ^æč¦^ÆaÁe œ¦^ÆaÁæjÁã¸&[{ã,*ÁæA È ÞUVÒKÆØ>æč¦^Áa¸Æa¸A[æÁa]] æ³åÁqÁ^¦[č°å寿æ •È	Н	Xæþáðá Ágún - Ar Á Ô[ ån Ágún - Ar Ág Á ÚÕT FFÍ D	Ë
ØÒŒVVÜÒÁÖÒŠŒŸÁŒÄQÂÙ^¦çæVÁ\$]^ƶÁr^óÆţÁØ^æĕ¦^Æ&[å^ÊÆÁ &æ)Áa^Áa^ æ^åÈ	I	<del>€€ÏH</del> €ÁÇ^&•D	€€

## **RELATED FEATURES**

Ôæ|ÁØ[ ¦, æ¦åÁð Á^^Á,æ\*^ H#fí

Ôæ||ÁØ[ | ] æ|åÊÁÚ|^•^ø/ð Á|^^Á| æ\* ^ HËGG

## CO OWN CODE SERVICE

QÁŒÁUCŒŒÃĮ}Áj|æ&^•ÁŒÁÛUÁÔæ|EÉŒÁ&æ}Á^}åÁ^}åÁÔŠÓÁи&|`åð;\*ÁŒ•ÁÔUÁU;}ÁÔ[å^Á§;æå•Áœ;Á^&^ãçð;\*Á ÚÝÉÁOŒ¢^!}ææãç^|°ÉÉÔUÁU;}ÁÔ[å^Á&æ)Áò^ÁB;&|`å^åÁB;qfÁÔŠÓÁQ;f¦{ææã;}Á¸ÆÁÐ;ÁQ&[{ð;\*ÁÔUÁÔæ|Á makes an Outgoing CO Call. The CO Own Code is sent adding ahead of station number or received CLI.

## CONDITIONS

- This feature can be set for each outgoing/incoming CO line.
- The outgoing CO own code and the incoming CO own code are independent.
- The maximum own code length is 16.

## PROGRAMMING

## CO Line Data

Outgoing CO Own Code (PGM 170 - FLEX 12) ... see details on page A-54

PGM 170	BTN	RANGE	DEFAULT
REPRESENTATIVE CLI When 'Use Represent CID'(PGM170-F10) is set to ON, representative CLI is sent when making outgoing call regardless of other CLI attribute.	12	Max 16 digits	-

Incoming CO Own Code (PGM 165 - FLEX 9) ... see details on page A-48

PGM 165	BTN	RANGE	DEFAULT
OWN CODE Own Code.	9	Max 16 digits	-

## **CO/IP Ring Assignment**

Each station in the system can be programmed to provide an audible signal when the system detects an incoming call on specified CO/IP lines. Separate ring assignments are made for Day, Night and Timed Ring operation mode. In addition, the audible signal at the station can be delayed by 1 to 30 ring cycles allowing other stations to answer the call first.

#### CONDITIONS

- Separate assignments are made for Stations to ring in the Day, Night and/or Timed Ring mode.
- Audible Alerting for an Incoming VoIP call is based only on the derived IP Address.
- A Busy Station receives Muted Ring or Call Waiting tones as appropriate for the Station's Off-hook Ring Assignment.
- The system Ring mode can be selected manually or automatically,

- ÉÁ Automatic modekhÁÖæê Boð a @Á^|^&aía} Ááa^c^|{ ã, ^åkáæ•^åkí} kíæ Ác€ ({ ææãkÁÜā; \*Á T [ å^ÂÛ^|^&aía} ) kíæà|^EÁ

## **OPERATION**

#### System

U]^\aeaa[}Aj\Asa@n\A^aec`\^\Andre\Aee`d[{ aeaa8\AA

## **PROGRAMMING**

## CO Line Data

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ÙÒÜXÓÒÁYŸÚÒÁŒÃQÁ^¦çã&^Ác]^Áa ÁróAse ÆŒŒÂ  ā]*Á;] cā;}Æa Ásē;]]ā°àÁt Áā;*Áse•ā;}^åÁcææā;}•È Uc@¦;ãr^ŒÁA^¦çã&^Éc]^Æa ÁróAt ÁnEÁræc;¦^ÆtjårÁ ãrÁs&cā;æc°åÁ;}Æjä &[{ā;*Ásæ4 È	F	€ 160⊒ ÂÜ ∄ * F1660 ₫• 0162   ^ G160 ₫ & *   æ e H1660 ^ æ ĕ '   ^ AÔ[ å ^	СЩÁÜ ў *
2ÒOS/NÜÒÁÔUÖÒÁŒÃÂÛ^¦çæX^Ác]^Áæ Á^ÓÆ Á Ø^æc;\^ÁÔ[å^Áæ}åÁçæÆáÁ^æc;\^Æá,å^Æá æ•å}^åÊÃ@}Áæ•å}^åÁçæÆi;^ÆæiÁæ&æçææ°åÁ , @}Ác@!^ÆáÁæ}Æg,&[{ā]*Á&æþÈ ÞUVÒMÆØ^æc;\^ÁÔ[å^Æá,[cÁæ]] ð°åÁt,Á^¦[č°åÁ &æþ•È	G	Xaqaaanaa kayaa kayaa kayaa kayaa ka	Ë
ØÒO\$\\\U`ÒÄÖÒŠO\$ŸÄEÄQÁ\)^¦çã&^Ác`]^Ása Án^cÁ[Á Ø^æc`¦^Ás[å^Eásósæ) Ásn^Ásn æê^åÈ	Н	€€ÏE	€
F∈€ÁÇ€DÁÜÄÖLE•ã}^åÁncæaã[}Ásæ)åÁså^ æÁçæ;^Á&æ)Á à^Ásãē] æ^åÈÄK[ ˇ{^ÁN]EÖ[¸}Án^ÁsaÁ•^åÁ[Á •& [  ÁsææèÈ	I	Ë	Ë

PGM 167	BTN	RANGE	DEFAULT
MEMBER ASSIGN To change station's ring assign status, enter desired station range. (Max 30 stations can be assigned)	5	Start Station & End Station	-
DELAY 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)	5-1	0-9	Sta 100 (Port 0):delay 0 Others: not assigned

## Table Data

System Time Table (PGM 253) ... see details on page A-107

PGM 253	BTN	RANGE	DEFAULT
TIME ZONE COMMENT defines the comment of the Time Table.	1	32 characters	none
SYSTEM TIME ZONE defines the Time Zone of the Time Table	2	0-73	0: Sys Time
DAYLIGHT SAVINGS defines Daylight Saving Time of Time Table.	3	On/Off	Off
RING MODE defines the ring mode of Time Table.	4	0: Day 1: Night 2: Timed	0:Day
AUTO RING MODE defines the Auto Ring mode of the Time Table.	5	On/Off	Off

## Weekly Time Table (PGM 254) ... see details on page A-108

PGM 254	BTN	RANGE	DEFAULT
Monday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	1	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Tuesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	2	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

ÚÕT ÆÁ I	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
Y ^å} ^•åæ ÄÖOË BÞ @PVBVOT ÒÖÁ募 *Á, [å^Á ædóÁã, ^•Áæ) åÁ/OT ÒÖÁ { [å^Ár} åÁæ] ^•È	Н	<del>€€€€ÏÖH</del> ÍJ	Öæ KÁJK€€ Þão Kárì K€€ VÖÙKÁ Ë VÖÒKÁ Ë
V@¦•åæÃÖOĞBΦÕÕPVÐVOTÒÖÁ募*Á;[å^ÁædÁðá,^•Áæ)åÁVOTÒÖÁ {[å^Án}åÁã,^•ÈÁ	I	<del>ecceich</del> í J	Öæ KÁJK€€ Þão Kárì K€€ VÖÙKÁ Ë VÖÒKÁ Ë
ØlääæéÁÖOEŸÐÞOÕPVÐVOTÒÖÁð}*Á;[å^ÁcæóÁðð;^•Áæ)åÁVOTÒÖÁ;[å^Á ^}åÁðð;^•È	ĺ	<del>€€€€Ë</del> GHÍJ	Öæ KÁJK€€ Þão Kárì K€€ VÖÙKÁ Ë VÖÒKÁ Ë
Ùæĕ ¦åæê ÁÖŒŸ BÞOÕP VÐVŒ ÒÖÁĀ; * Á; [å^ÁcædóÁæ; ^•Áæ) åÁÆ ÖÖÁ {[å^Ár}åÁæ; ^•ÈÁ	Î	<del>ecceich</del> í J	Öæ KÁJK€€ Þão Kárì K€€ VÖÙKÁ Ë VÖÒKÁ Ë
Ù"} åæê ÁÖCEŸEÞ OÕPVEVQT ÒÖÁÐ; *Á; [å^ÁcædoÁeð; ^•Áeð; åÁVQT ÒÖÁ; [å^Á^ ^}åÁeð; ^•ÉÁ	Ϊ	<del>ecceich</del> í J	Öæ KÁJK€€ Þão Kárì K€€ VÖÙKÁ Ë VÖÒKÁ Ë

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ÚÕT ÆĠ Î	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
$\hat{O}OE\hat{O}DDDDDAEEO^{4} = \hat{A}OAP^{2} + $	F	Š~`}æ\+BÕ¦^*[¦ãæ);	Õ¦^*[¦ãæ)
PUŠŒŒŶÁÜŒŶÒÁŒÖÔ^4}^•ÁP[ ãàæÂÖæ¢Á;¦ÁP[ ãàæÁæà ^È	G	T T ĐÕÖ	Þ[}^

## **RELATED FEATURES**

Öæ Boð @ DVā ^å ÁÜā \*ÁT [å ^ÁS Á ^^Á, æ \* ÏËHÏ Œ q ÂÛ^¦çæ AT [å ^ÁÔ[}d[|ÁS Á ^^Á, æ \* HĒF€Á U~ËP[[\ÁÜā}æ 4ā; \*ÁS Á ^^Á, æ \* ÎËH Á

## **CO Line Release Guard Time**

To assure that the PSTN switching equipment has sufficient time to restore to the Idle condition, the System will hold CO Lines in a Busy State to Users after release of a CO Line by a Station. The time between Station disconnect and when the System changes the CO Line status from Busy to Idle is the CO Line Release Guard Time. If CO receives 'Release Ack' signal from PSTN before Release Guard Timer expired, then the CO line is released instantly.

## **OPERATION**

#### <u>System</u>

Operation of this feature is automatic.

#### PROGRAMMING

#### CO Line Data

Incoming CO Release Guard Timer (PGM 166 - FLEX 8) ... see details on page A-50

PGM 166	BTN	RANGE	DEFAULT
RLS GUARD TIME If CO release signaling is not completed successfully, CO line is disconnected when timer expires.	8	00-15 (sec)	01

## Outgoing CO Release Guard Timer (PGM 171 - FLEX 5) ... see details on page A-57

PGM 171	BTN	RANGE	DEFAULT
RLS GUARD TIMER If CO release signaling is not completed successfully, CO line is disconnected when the timer expires.	5	00-15	02

## System Data

LCO Release Guard Timer (PGM 221 - FLEX 6) ... see details on page A-84

PGM 221	BTN	RANGE	DEFAULT
LCO RLS GUARD TMR 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.	6	00-60 (minutes)	010

# **CO Ring Detect**

V@ÂÛ^•¢{ Ág 8[|][|æe^•Áæā ^|•Áī;|ÁÜā;\*ËU}Áæ;åÁÜā;\*ËU-Æs\*|ææā;}•Áī;Áæ••\*|^Á;|[]^|Áæ;\*ÈÁ Y@}ÁœÆs\*|ææā;}Á;ÆœÁÜā;\*ÁÛā;æ¢ó\$^å•ÁœÁÜā;\*ËU}ÁVā;^|Êæq\*|æj\*Á;ā]Áææ†dĚÁÝ@}ÁæÆÁ Üā;\*ÆsÁ;[oÁ;|^•^}oÁ;|ÁæóÁ,^|ā;åÁr¢&^åā;\*ÁœÁÜā;\*ËU-ÁVā;^|Êæq\*|æj\*Á;ā]Áçē;ĒÁwæáÆæ|[¸•ÁæÆÁ Ù^•¢^{ ÁÛā;\*Á&°&}Á&ô¢&æā;}ÁfÁsóÁ;ææ&@åÁfÁœÁ;æð.ÂæÁæååÁææååáÁÚÓYÁ-°¢?{•ÈÁ

#### CONDITIONS

ËÁ Üā, \* ËU} Ásā, ^Ása) å ÁÜā, \* ËU~Ásā, ^Ása ^Ása • ã; } ^å Á; } ÁsaÁÚ • c^{ Ása æð ã EÁ

EÁ V@ÁÔUÁÜ∄ \*ÁÖ^¢^&ÓÁBÁÐ] | 21 å åÁg ÁOÐ ælg \*ÁÔUÁŠÃ ^•Ág} | ÉÁÁ

## **OPERATION**

#### System

#### **PROGRAMMING**

## System Data

ŠÔU ÁÜ ð \* ÁU ÞÁ ⁄ð ^ ¦ÁQÚ ÕT ÁGGFÁËÐZŠÒÝ ÁI ÞÁS Á ^ ^ Á&^ æð \* Ó # 1

ÚÕT ÁÐÐF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ŠÔUÁÜ OD ÕÁU ÞÁ/TÜÁËÄA ^ O ÁG@ÁDU ÞÓÁÐ ^ Á; ÁG@ÁÐ &[{ ð; *Áð; *ÁS & ^Á -{¦ÁÛ^• <^{ÁÜð; *ÁÖ^ < &OÁ; Á^ &[ *} ã^ ÁG@ÁÐ, &[ { ð; *Á&æ )È	I	FËJÁÇF€€Á {•^&D	G

## ŠÔU ÁÜ 3 \* ÁU ØØÁV 4 ^ ! ÁQÚÕT ÁGOFÁÐÆŠÒÝ Á DÁS Á ^ ^ ÁS^ œæ Á } Á, æ \* ^ OĦ I

ÚÕT ÁGGF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞUÜT ŒŠÁÞUÁŒÐÙY ÒÜÁ/T ÜÁĒËÐÞ[ÁÐ)•¸ ^¦ÁQ¸ ^¦Á(¦Á,[¦{ æþÁÔUÁ3;*Á	ĺ	€€FË΀€Á	H€
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## **CO Transit Service**

V@ÂÛ^•¢{ Á; | çãa^•ÁsaÁ} & & } & A[ |ÁQ & [ { ā \* ÁÔU ÁÔ æ||•Á[ Á; æ}^ÁsaÁsæ||Á; } Ásaj Á; č\* [ā \* ÁÔU ÁŠāj^Á åã^& ¢ PÁQ Ás@ã Ásæ•^ÊŚLæj•ãxÁ¸ãs&@Ë;ç^|Ásæ) Ás^Á\*]][|¢åÁ[|Á•ā]\*Ásã~|^}o&`]^•Á;-Áã}æjā\*EÁ Q& [ { ā \* ÁÔæ||•Á|[ { ÁÜGÁLæj•ãxÁsæ) Ás^Áš |}^åásj ([ÁsæÁÜÜQÁLæj•ãxÁsæ||ÉV@ÁÛ°•¢{ Á\*]][|œÁÜŒÁ QÙÖÞÉAPÈHGHÊÁUQDÉæjå åÁsajæ|[\*ÁÔUÁ; ^c@ å•Á;-Ásæ)•ãxÉÁ

5-43

## **CONDITIONS**

- The CO transit service can be set through Admin. programming of optional permissions.
- The System provides an inter-working feature for all CO Lines.
- For a R2 CO to R2 CO call, set for link-by-link or end-to-end transit.
- For a PRI CO to PRI CO call, all messages are Forwarded transparently.

## **OPERATION**

If set, CO Transit Service operation is automatic.

## **PROGRAMMING**

## CO Line Data

CO to CO Attributes (PGM 179) ... see details on page A-60

PGM 179	BTN	RANGE	DEFAULT
STATION OUTGOING CALL TRANSFER while stations are connected to outgoing CO call of first CO Group, the station can transfer the call to second CO group.	1	0: Off 1: On	On
OUTGOING CALL TRANSFER while ATD is connected to outgoing CO call of first CO Group, the ATD can transfer the call to second CO group.	2	0: Off 1: On	On
OUTGOING CALL TRANSFER RELEASE TYPE if outgoing CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	3	0: None 1: Release after Release Timer	None
OUTGOING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnecting, a warning tone is provided.	4	000-300 (sec)	060
INCOMING CALL TRANSFER DIRECTLY if this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	5	0: Off 1: On	Off
STATION INCOMING CALL TRANSFER while stations are connected to incoming CO call of first CO Group, the station can transfer the call to second CO group.	6	0: Off 1: On	On

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OS/ÖÁDO ÔUT OR ŐÁÖODŠŠÁ/ÜOÐÐ ÙØÒÜÁÐÄ, @A^ÁOS/ÖÆGÁ &{}}^&&^åÁgÁg&g{åj*ÁÔUÁSæg Ág-Áã•OÁÔUÁÖ;[ˇ]ÊÁS@ÁOS/ÖÁSæg)Á dæg)•~¦Á@ÁSæg ÁgÁr^&{}åÁOUÁ*;[ˇ]È	Ϊ	€ÁÚ~ FKÁÚ}	U}
ΦÔUT ΦÕÁÔCIŠŠÁVÜCEÞÙØÒÜÁÜÒŠÒCEÙÒÁYŸÚÒÆËÄQÁŞ &[{ 尋*Á ÔUÁ&æŊÁ&æ)Ás^Ásæ)•~~;;^åÁş(Á;c@;ÁÔUÁ&æ)ÉŠ^ ^æ•^Ás`]^Áææ)Á à^Á^CŒÁ^^ŒÁ\$*oÁş(Áp[}^Ĕãóæ)Á;[óåãæ,&[}}^&&^åÈ	Ì	€KÁÞ[}^ FKÁÜ^ ^æ•^Ásæe^¦Á Ü^ ^æ•^ÁVã[^¦	Þ[}^
(De) ÔUT OÞ ÕÁÔCIŠŠÁ/ÜCIÐ ÙØÔÜÁÜÒŠÒCIÐÒÁ/CIT ÒÆÄÄGÁÐ Á           (基) 名[{ (基) * ÁĎU ÁSæ)[Ás Ás æ) • ~!!/ å Ás ÁðU ÁSæ)[Ás) å ÁĎU ÆÁS ÆŠĎU ÁSæ)[Á           (基) Ás Ás Ø Ásæ)[Ás Ás æ) • ~!!/ å Ás Ásæ Ø ¦Á/   / 20 * Ás [ * És Ø ] Á           (基) Ás Ás Ø Ásæ Ás Ø Ásæ Ø Ás Ø És           (本) As Ø Ás Ás Ø Ás Ø Ás Ø Ás Ø Ás Ø Ás Ø Ø Ás Ø Ás Ø Ø Ás Ø Ø Ás Ø Ø Ø Ø		<del>€€€Ё  €€</del> \$\$^&D	€Î€

# **Dial Pulse Signaling**

## CONDITIONS

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## **OPERATION**

## <u>System</u>

U]  $^{\cdot}$  aecā[}  $^{\cdot}$   ## **PROGRAMMING**

#### CO Line Data

 $\hat{O} \cup \hat{A} \hat{S} \hat{a}_{1} \wedge \hat{A} \hat{O} \hat{a} \hat{a} \hat{a}_{2} \hat{a}_{3} \wedge \hat{A} \hat{O} \hat{a} \hat{a}_{4} \hat{a}_{1} \wedge \hat{A} \hat{a}_{2} \hat{a}_{3} \hat{a}_{4} \wedge \hat{A} 

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System Data

## Pulse Dial Break Ratio (PGM 223 - FLEX 2) ... see details on page A-85

PGM 223	BTN	RANGE	DEFAULT
PULSE DIAL BREAK RATIO The break/make ratio for pulse dialing through analog CO line.	2	0: 60/40 1: 66/33 2: 50/50	1: 66/33

#### RELATED FEATURES

Dial Pulse to Tone Switchover ... see page 3-62

# Direct Inward Dial (DID)

A Carrier Service, known as Direct Inward Dial (DID), sends digits to the System so that the call may be routed directly to a Specific Station or System Facility. DID service is available over digital and packet networks. ISDN lines can provide two-way, incoming DID and normal Outgoing Service, and requires no special signaling.

After collecting the digits from the Carrier, the System routes the Call to the Destination:

- Incoming DID number is compared with Digit Conversion Table. If matched, received DID number is converted according to the Table. Separate Digit Conversion can be applied according to DAY/Night/Timed Ring Mode.
- DID Destination is decided with the converted DID number.
- Destination can be Station, Station Group, Outgoing CO Call, Voice Mail, Net Station, Paging, or Conference Room.

## CONDITIONS

- If ICLID routing is assigned for the CO/IP Line, the received Caller ID is first compared to the ICLID Table for routing. If Caller ID does not match an entry in the ICLID Table, the normal DID call processes are used.
- DID calls that encounter a Busy signal, are not answered in the DID/DISA No-Answer Timer, or are received at a Vacant or Invalid number can be routed to the Attendant, Tone, Station Group, or VMIB announcement. When the Attendant receives such calls, the call is appropriately identified by the Attendant Digital Phone Display.
- For a Station that is part of a non-pilot Station Hunt group, DID calls will follow the Group Hunt process if the Station is Busy or does not answer the call.
- DID calls are subject to Group Call Pick-up and Directed Call Pick-up.

**OPERATION** 

**PROGRAMMING** 

Station Data

CO Line Data

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ÙXÔÁ/ŸÚÒÆÄÄÛ^ơÔUÁA}^Á&]^ÁæÆÄÖÖÖÁ;¦Á Þ[¦{æ‡È	G	€KP[¦{æ  FKÖÖÖ	Þ[¦{ æ
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Φ ÔUT Φ ÕÁÕÜÚÁR UÁŒÁÛ^αÓÛÁÕ¦[ˇ]Á Þˇ{à^¦ÁqÁa}] ^ÁqÁaβ8[{āj*Ásaa •È	I	€FËIGËA,[}^ÁÇTÓÝÁQÚËH€€D €FËGIËA,[}^ÁÇTÓÝÁQÚËF€€D	€
VÒÞŒÞVÁÞUÁEÐÜ\^óÁ^}æjóÁ¦[ˇ]Ájˇ{à^¦ÁgÁ æj] ^ÁgÁÔUÁja,^•È	ĺ	FËJÁÇT ÓÝÁQÚËHE€D FËHÁÇT ÓÝÁQÚËF€€D	F
ÖŐVÁÔUÞXÒÜVÁVÓŠÁŒÁU^ŒŐÃãÃÓ[}ç^¦•ã{}Á Væà ^Á§å^¢È	Î	FÜ	G
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ÜŠÙÁ/QT QÞŐ ÁĒĒĀĀÜ^ ^æ^Á/ā ā,* Ám Á^ÓÁ! Áā• ÓÁ !^ ^æ^ĒÔUÁā,^Ám Á^ ^æ^åÁ @} Á;}^Á,æċ Á !^ ^æ^Áo@Ásæ ĬĀQÁÔæ ^!Á;!ÁÔæ ^åÁÜ^ ^æ^Ám •^ŒÔUÁā,^Ám Á^ ^æ^åÁ,@}Ásæ ^!Á;!Ásæ ^åÁ ]æċ Á^ ^æ^åÁo@Ásæ È		€1Á12ã• oÁÜ^ ^æ•^ F1Á1Ôæ ^¦ÁÜ^ ^æ•^ G1Á1Ôæ  ^åÁÜ^ ^æ•^	Øã• œŰŠÙ

PGM 160	BTN	RANGE	DEFAULT
INC/OUT MODE Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	9	0: Incoming Only 1: Outgoing Only 2: Allow Both	Both
DIALING TYPE Signal type can be selected; DTMF, Pulse, R2MFC.	10	0: DTMF 1: PULSE 2: R2	DTMF
CHARGE MODE 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.	11	0: Free 1: Report	Report
METERING TYPE 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.	12	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)	None

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VQT ÒÖÁŒÁ	Н		Öã &[ } } ^&c FÁ^&	

## Numbering Plan

 $\emptyset$ ^æc \^Áp~{ à^\;ā, \*ÁÚ|æ}ÁÇÚÕT ÁFFHDÁS Á\^^Ás^œæ Á\}Á, æ ^ OŒËÏ Table Data

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ÖQEŠÒÖÁÖÕÕQVÙÆËÁV@Ásæ‡^åÁsãæp È	G	Tæ¢ÁFÎÁsåããæ•	Ë
WÞÔUÞÖÁÔPŒÞÕÒÖÁŒÁV@ÁÔUÁÕ¦[*]ÁŒ&V••ÁÔ[å^Áæ)åÁ åããæÁţÁs^Á^}oÁţÁÚÝÁ,@}ÁœÁsãæp^åÁsãããÆÁ;!^••^åÁsÁ ŒŢ] ^Áæã ^Ác]^Áæ ÁC}&[}åãã]>梌	Н	Tæ¢ÁrÎÁsâããe	Ë
ÖCEŸÁÔPCEÞÕÒÖÁĒĒÁV@ÁÔUÁÕ![ˇ]ÁDB&^••ÁÔ[å^Ásè;åÁsētãæÁt[Á à^Ás};dÁ[ÁÚÝÁsÁÖæÁ;@}Ás@ÁsæA*åÁsētãóÆsÁ;!^••^åÁsÁGE] ^Á cā[^Ás]^ÆsÁCZUŠŠUYÁÖÞVCÈ		Taq¢ÁrîÁsåããe	Ë
ÞŐPVÁÔPCEÞŐÖÖÁEÉÁV@ÁÔUÁŐ¦[ˇ]ÁDE&A^••ÁÔ[å^Áa)åÁaããæÁ q Áa^Áa^} cÁq ÁÚÝÁg ÁÞã @Á, @}Ác@ÁaãæA^åÁaããæÁg¦\^••^åÁsá CEJ] ^Áaą ^Ác]^ÁæÁ@UŠŠUYÁÖÞVC	ĺ	Tas¢ÁrÎÁsâããe	Ë

PGM 251	BTN	RANGE	DEFAULT
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'.	6	Max 16 digits	-
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'.	7	Max 16 digits	-
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'.	8	Max 16 digits	-
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'.	9	Max 16 digits	-
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'.	10	Max 16 digits	-
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'.	11	Max 16 digits	-
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'.	12	Max 16 digits	-
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'.	13	Max 16 digits	-
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'.	14	Max 16 digits	-
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'.	15	Max 16 digits	-
DNT TIME INDEX Day/Night/Timed Time Table Index.	16	1-9, none	none
LCR TIME INDEX LCR Time Table Index.	17	1-9, none	none

ÚÕT ÆG F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
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ÖÒÙÚŠŒŸÁÔUÞXÈÄÖŌÕŒ\ÁĒÄQÁsóÁrÁ^ÓÁ;ÁUÞÊÁ©Ácæáj}ÆŠÔÖÆrÁ]åæe^åÁ qíÁs@Ásãæe ^åÁsããærÁ;@}Áæe ;caj*Á;^••æt^ÁsrÁr^&^āç^åÁ;[{Ás@ÁÚÝÁ æe^;Ásãæe ;j*È	F	U} £U~	U~
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### **HARDWARE**

ÖÖÖÉÁ ¦ÁÚÜÓÁT[å ˈ/^Á

# **Direct Inward System Access (DISA)**

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## CONDITIONS

- EÁ Òæ&@ÁÔU ĐƯƯÁ, ææ@ÁmÁ^] æbææ^|^Áæ;•å}^åÁ[¦ÁÖQÙCÆÁU]^¦ææā[}Ánč'lā]\*ÁÖæêÉAÞå @Áæ;ådЦÁ
  Vã ^åÁÛ^•ơ{ÁU]^¦ææā[}Án[å^•ÈÁÖQÙCÆÁ]^¦ææā[}ÁmÁæ&&æōç^Án}|^Á;@^}Ás@ÁÛ^•ơ{ÁmÁs}Á
  c@Áæ;•å}^åÁn[]^¦ææā]\*Án[å^ĢDÉÁ

- DISA callers are subject to COS dialing restrictions. If Authorization Codes are required and the code matches a Station Authorization Code, the Station COS will apply.
- The System will disconnect an Outgoing DISA call if the Unsupervised Conference timer expires or Disconnect Supervision is received; a Disconnect Warning tone is provided 15 seconds prior to disconnect.
- If a DISA caller encounters a System All Lines Busy, Busy tone is received for 5 seconds before ICM Dial tone is presented again and the DISA caller may try another call.
- LEDs associated with the DISA CO Line appearance will provide normal status indications at all Stations except Attendants; the LED for the line at an Attendant Station will flutter at 240 ipm when Busy.
- If a DISA Caller accesses a CO/IP Line, the Transit option is applied (CO to CO Attribute): this function can make a call recovered after conversation during an assigned time.

#### OPERATION

### System

Incoming calls enabled for DISA service:

- The System will recognize the Incoming call.
- The System will answer the call and connect the caller to the Intercom Dial tone or AA announcement.
- The Call will be processed based on the entered digits/programming.

## DISA Caller

To remotely access System resources:

- 1. Place call to the System DISA facility.
- On receipt of the Intercom Dial tone/AA Announcement, dial as desired.

#### PROGRAMMING

Numbering Plan

Feature Numbering Plan, DISA Tone Service (PGM 113)

CO Line Data

## ÔU ÁÔU ÙÁQÚÕT ÁFÏ Ï DÁS Á\^^Á\^ œa∯• Á\} Á\ æ ^ ŒHÊ €

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PGM 179	BTN	RANGE	DEFAULT
OUTGOING CALL TRANSFER RELEASE TYPE if outgoing CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	3	0: None 1: Release after Release Timer	None
OUTGOING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnecting, a warning tone is provided.	4	000-300 (sec)	060
INCOMING CALL TRANSFER DIRECTLY if this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	5	0: Off 1: On	Off
STATION INCOMING CALL TRANSFER while stations are connected to incoming CO call of first CO Group, the station can transfer the call to second CO group.	6	0: Off 1: On	On
ATD INCOMING CALL TRANSFER while ATD is connected to incoming CO call of first CO Group, the ATD can transfer the call to second CO group.	7	0: Off 1: On	On
INCOMING CALL TRANSFER RELEASE TYPE If incoming CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	8	0: None 1: Release after Release Timer	None
INCOMING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnected, warning tone is provided.	9	000-300 (sec)	060

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#### RELATED FEATURES

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VMIB-Auto Attendant ... see page 7-37
Day/Night/Timed Ring Mode ... see page 7-37
Dialing Restrictions ... see page 3-63
Authorization Codes (Password) ... see page 3-5
Unsupervised Conference ... see page 3-53
VMIB Integrated Auto Attd/Voice Mail ... see page 3-258
Auto Service Mode Control ... see page 3-10
```

# **Dual Tone Multi-Frequency (DTMF) Signal Sending**

CO Lines can be assigned for Dual Tone Multi-Frequency (DTMF) signaling.

### CONDITIONS

The System will mute the User's voice transmission to reduce interference while sending DTMF tones.

## **OPERATION**

### System

Operation of this feature is automatic when programmed.

## **PROGRAMMING**

CO Line Data

CO COS (PGM 177)

Outgoing CO Line Inter-Digit Timer (PGM 174)

## H.323 Multi Route Service

The system can set-up several destination IPs for one prefix. The destination IP is selected circularly when user tries to make a H.323 call.

## CONDITIONS

This feature is for only VoIP (H.323).

## **OPERATION**

Operation of this feature is automatic when programmed.

## **PROGRAMMING**

## H.323

## PÈHCHÁÜ[ˇ ơ ÁOŒd ããˇ ơ ÁQÚÕT ÁHÎ €ĐÁS Á ^^Á\$ ^ œá Þ Á; } Á; æ \* ^ ŒË IÎ

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ŐĔ FFWÁÔUÖÒÔÆŒÁ•æ⁴^Á; -ÁÕĔ FFWÁÔ[ å^&Á/`]^È	Î	€K⊅[cÁW•^	Þ[ ÁW•^
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ŐSÁNÙÒÖÆŒÁ •^åÁq Æå^¢¦{ ã,^ÆáÕæ¢\^^]^¦Á, ã Æå^Á•^åÈ	J	€KU~ FKU}	U~

## H.323 Incoming Attributes (PGM 362) ... see details on page A-147

PGM 362	BTN	RANGE	DEFAULT
FROM IP IP address associated with H,323 incoming calls.	1	-	0.0.0.0
INCOMING CO GRP NUM CO group number associated with H.323 incoming calls.	2	01-72	-

# Incoming Calling Line ID (ICLID) Call Routing

The system can employ Incoming Calling Line ID (ICLID) to determine the routing of Incoming external calls. Each CO/IP Line, including DID Lines, may be assigned to employ ICLID routing. The System will compare the received ICLID to entries in the ICLID Routing Table. If a match is found, the call will be routed to the destination defined in the ICLID Ring Assignment Table. Destinations can be the VMIB, an external Voice Mail, a Station or a Station Group.

## CONDITIONS

- If the received ICLID does not match an entry in the ICLID Route Table, the call is routed according to CO Ring Assign Table.
- For analog CO Lines, the System will await receipt of a valid ICLID for the ICLID Ring Timer. At expiration of the timer, if ICLID is not received, the call is routed based on the type and other programming (Ring assignments, etc.) CO/IP Line.
- The ICLID received from the CO/IP Line must be a telephone number to match an ICLID Route Table entry.
- If ICLID routing is enabled for a DID line, DID Call Wait is disabled.
- Beside the System ICLID Table, each station can have up to 10 individual ICLID numbers.

## **OPERATION**

#### System

The System will implement routing automatically based on database entries and the received ICLID.

#### **PROGRAMMING**

CO Line Data

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ÔU ÁÜ Œ ÕÁŒÙ Ù Ố ÞÁĒŽÔ ^• Œ æ æ } } Á ææ æ } } • Á&æ } Ás ^Á å æ ^Á å å é * å * Á æÁæ) * ^Á;  Á; } ^Ás ^Á; ^ÈÆÁ;   ^• • ÁØ   ¢Æ Ë Áæ) å Áæ} } Ås ææ } } Á  æ) * ^ÁÇ ] Ág ÁH€Á ææ æ } • DÁ;  Á* å å æ Á; } ^Á ææ æ } } ∫; `{ à^ ÈÁ	G	Ç <b>∈∈⊞⊣∈D</b> Á(¦Á(}^Á •cæeã(}Á()~(à^¦	Ë
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PGM 167	BTN	RANGE	DEFAULT
100 (0) Assigned station and delay value can be displayed. Volume Up/Down key is used to scroll data.	4	-	-
MEMBER ASSIGN To change station's ring assign status, enter desired station range. (Max 30 stations can be assigned)	5	Start Station & End Station	-
DELAY 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).	5-1	0-9	Sta 100 (Port 0):delay 0 Others: not assigned

## Table

ICLID Table (PGM 262) ... see details on page A-113

PGM 262	BTN	RANGE	DEFAULT
ICLID NUMBER ICLID used to match the index.	1	24 digits	None
ICLID NAME ICLID name that is sent by the System to the destination for the ICLID routed call.	2	16 characters	-
INC CO GROUP NO The CO Group Number to apply ICLID route; if not assigned, ICLID is applied to all CO Groups.	3	1-72	-
DAY RING INDEX The index to be routed in Day; the Alternative Ring Index (PGM 181).	4	1-80	-
NIGHT RING INDEX The index to be routed in Night; the Alternative Ring Index (PGM 181).	5	1-80	-
TIMED RING INDEX The index to be routed in Timed; the Alternative Ring Index (PGM 181).	6	1-80	-
TENANT NO The tenant number to be applied the ICLID.	7	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

# **IP Trunking**

# H.323 v4 Service

When assigned to support H.323 protocol, VoIP channels provide protocol conversion between H.323 v4 and SIP. This permits the VoIP channel to connect to external H.323 networks or

 $\begin{array}{l} & \text{d}_{\hat{A}} \Rightarrow \hat{A} \Rightarrow$ 

- ″ PÈÍ€ÈÁ
- ″ PÌÈÍ€ÌĞÁ
- ″ PÈÍ €ÈÁ
- ″ PÈÍ €ÈÁ
- ″ PÈÍÉÉÁ
- ″ PÈLÍ€ÈÁ
- ″ PÌÈÍ€ÌËÁ
- ″ PÌÌÍ **€ÌÌ** Á
- ″ PÈÍ€È
- ″ PÈÍ*€*ÌF€Á
- ″ PÌÈÍ €ÌÈFÁ
- ″ PÌÈÍ€ÌÈGÁÁ

## **OPERATION**

# <u>System</u>

# **PROGRAMMING**

H.323

PÈHGHÁÔæ|ÁÙ^č]ÁÇÚÕTÁHÎFDÁSÁ^^Á&^œæ‡•Á;}Á;æ\*^ ŒËFIÎ

ÚÕT ÁH F	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙÒVWÚÁTUÖÒÆËÆPÈHCHÁÐÚÁSæH•ÁSæ)Ás^Ás^É]Á•ā;*Ás@ÆPÈHCHÁ Þ[¦{æþÁ;¦ÁZæoÁÜæsbÁ;[å^È	F	€K⊅[¦{æ‡ FKØæ•@ÁT[å^	Øæ•@ÁT[å^
VMÞÞÒŠÁT UÖÒÁĒŹPÈHGHÁÐÚÁSæHÞÁSæÞÁs^Ás^É]Á • ¾ Ás@ÁÞÈÐÍÁ Ò} 8æÞ• ĭææÃ}ÁÇV⁻}}^ ¾ * DĒ	G	€KU~ FKU}	U}
ÖVT ØÁÙÒÞÖÁT UÖÒÁĒŽÁL¸¦ð,*ÁsÁS(}}^8cā[}ÊÖVT ØÁLð ão ÁSA) ÁL^Á •^}ơÁQĒJA) åÁ(¦ÁU¸ơÁ, ÁLA) åÁ(PĒÐ Í DĒ	Н	€KQ)àæ)å FKÜØÔGÌHH GKUˇc	Çlàæ)å
Ö (00/20ÁÚ) ÒÜ X ÁEEÁÖ ã • ^ ¦ ç Á; ¦ ^ Éæé * ã; * Á; ¦ Áx[ & & ^ Á; æ&\ ^ dÈ ÞU V Ò MAR ở (nÁp; æé ^ • Á; æé /\$eæé • ^ Á@át (nÁp; æé\ ^ oÁs; æ & & eæ) å Áp ° ç ^   • È	I	€ÏH	1

IP Trunking 5-61

Chapter 5: CO/IP

PGM 361	BTN	RANGE	DEFAULT
G.711A CODEC usage of G.711A Codec Type.	5	0:Not Use 1:Use	Not Use
G.711U CODEC usage of G.711U Codec Type.	6	0:Not Use 1:Use	Not Use
G.729 CODEC usage of G.729 Codec Type.	7	0:Not Use 1:Use	Not Use
G.723 CODEC usage of G.723.1 Codec Type.	8	0:Not Use 1:Use	Not Use
GK USED used to determine if Gatekeeper will be used.	9	0:Off 1:On	Off

## SIP

SIP User ID Data ...use Web Admin (PGM 370) SIP CO Service ...use Web Admin (PGM 371)

#### RELATED FEATURES

System Networking ... see page 3-200

### **HARDWARE**

VOIB

# Session Initiation Protocol (SIP) Service

When assigned to support Session Initiation Protocol (SIP), VoIP channels provide protocol conversion between SIP and H.323. This permits the VoIP channel to connect to external SIP Networks for call services. In addition, to the IETF RFC-3261 SIP draft standard, System's VoIP channels support other SIP related RFCs including:

- RFC-2617 HTTP Authentication, Basic & Digest
- RFC-3515 Refer Method
- RFC-3264 Offer/Answer Model
- RFC-3265 SIP Basic Call Flow Examples
- RFC-3891 SIP "Replaces" Header

Using the SIP database assignments, the System will register and authenticate with the SIP Proxy Server permitting the System to interoperate employing SIP to establish, manage and terminate real-time voice sessions with external parties.

#### OPFRATION

## System

U]^\aea1} Ai -AÛQÚAÛ^\ca8^Ae Ae d{ aea8BAA

## **PROGRAMMING**

SIP

ÙÓÚÁN∙^¦ÁÖÖÁÖææÁS Á •^ÁWeb AdminÁQÚÕT ÁH ⊖DÁ ÙÓÚÁÔUÁÙ^¦çã&ÁS Á •^ÁWeb AdminÁQÚÕT ÁH FD

## **HARDWARE**

XU**Ó**Á

# **IP WAN Dialing After Answer**

## CONDITIONS

ËÁ ÖVT ØÁ; [å^Á&æ) Áà^Áæ••ã} ^åÁ\$ ÁÔU ÁŠã ^ÁÕ¦[ˇ] Áàæ•^ÈÁÈÁQÁ^•¢^{Á\*^•ÁÛÁ&æ|Á¦[{Á ˇ}æ••ã}^åÁÛÁæåå¦^••Á§ÁUŐTÁĤÎ ŒÁ^•¢^{ÁB}}[¦^•ÁÆĎÁ

### **OPERATION**

### System

To make IP Call:

 $\ddot{O} \vec{a} + \vec{A} \cdot \vec{$ 

To receive IP Call:

QÁ^• α\ Á^• Ææ|Á|[{ Ás@ Áæ• • â} ^ å ÁΦ Áæåå¦^• • Æÿ ÁÚÕΤ ÁHÎ QLÁc@ Á^• α\ Á[ˇα• Ás@ Á&æ)Æţ Á
α@ Áÿ &[{ ā,\* ÁÔU Á; [ˇ] Á,ˇ { à^! Æÿ ÁÚÕΤ ÁHÎ QEÁ

### **PROGRAMMING**

H.323

# H.323 Routing Attributes (PGM 360) ... see details on page A-146

PGM 360	BTN	RANGE	DEFAULT
DIGIT (1) destination numbers associated with the H.323 routing system.	1	Max 8 digits	-
DEST IP ADDR destination IP address associated with the H.323 routing system.	2	-	0.0.0.0

# H.323 Call Setup (PGM 361) ... see details on page A-146

PGM 361	BTN	RANGE	DEFAULT
SETUP MODE H.323 IP calls can be set-up using the H.323 Normal or Fast Start mode.	1	0:Normal 1:Fash Mode	Fash Mode
TUNNEL MODE H.323 IP calls can be set-up using the H.245 Encapsulation (Tunneling).	2	0:Off 1:On	On
DTMF SEND MODE during a connection, DTMF digits can be sent In-band or Out of band (H.245).	3	0:Inband 1:RFC2833 2:Out	Inband
DIFF SERV Diffserv pre-tagging for Voice packet.  NOTE: High values may cause high packet discard levels.	4	0-63	4
G.711A CODEC usage of G.711A Codec Type.	5	0:Not Use 1:Use	Not Use
G.711U CODEC usage of G.711U Codec Type.	6	0:Not Use 1:Use	Not Use
G.729 CODEC usage of G.729 Codec Type.	7	0:Not Use 1:Use	Not Use
G.723 CODEC usage of G.723.1 Codec Type.	8	0:Not Use 1:Use	Not Use
GK USED used to determine if Gatekeeper will be used.	9	0:Off 1:On	Off

# PÈHGHÁQ,&[{ā,\*ÁQĒcdāà\*c^•ÁQŪÕTÁHÎGĐÁSÁ^^Á&^cæā•Á;}Á,æ\*^OËËTIÏ

ÚÕT ÁrÍI G	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ØÜUTÁÓÚÉÄÓÚÁæåå¦^∙∙Áæ•[&ãæe^åÁ¸ão@ÁPÊHGHÁS¸&[{ā,*Á&æ∳•È	F	Ë	€ÈÈÈÈ
OÞÔUT OÞÕÁÔUÁÕÜÚÁÞWTÁEEÓÛUÁ;[ˇ]Á,ĭ{à^¦Áæ••[&ãææ^åÁ,ãa©Á PÈHGHÁS,&[{ã,*Ásæa •È	G	€FË G	Ë

# **Integrated Service Digital Network (ISDN)**

 $V@A\hat{U}^{\bullet} \circ \{A^{\bullet}\}][ \circ A\hat{a}[ \circ Q\hat{A}\hat{O} \circ BA\hat{U} \circ A\hat{Q} 

# **ISDN Advice of Charge (AOC)**

 $Y @ \} \acute{A}D \ddot{O}D \acute{A}D \ddot{A}_{G} ? \rag{A} \rag{A} \rag{CEL} \rag{D}A \rag{A}_{G} ? \rag{A}_{G} \rag{A}_$ 

# **CONDITIONS**

- ÉÁ CEJÔÁŞ-[:{ accaj} ÁŞ[] |^{ ^} c^å Ás æ ^å Á; } ÁÖ V Ù CÁCEJÔÁ cæ) å æ å å ÉÁS æ) Ás ^Á: ^} cÁs \*; | å; \* ÁS æ þÁ · ^ É ] ÁÇCEJÔÉ Ü DÉS \*; | å; \* ÁS æ þÁÇCEJÔÉ Ü DÁ; | Ás æ þÁÇCEJÔÉ Ü DÁ; | ÁS æ þÁÇCEJÔÉ Ü DÉ
- ÉÁ V@āÁ^æč¦^Á;æÂÁ[ơÁa^Áææjææjaæja/ÁB,Ác@Áa]^&ãæ&ÁQÙÖÞÁa^¦çæ&^Áæd^æá;¦Á;æÂáa^ÁæÁ • `à•&¦a]ơa[}Áa^¦çæ&^ÉÁ

#### OPFRATION

### <u>System</u>

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#### **PROGRAMMING**

System Data

# SMDR Attributes (PGM 232) ... see details on page A-91

PGM 232	BTN	RANGE	DEFAULT
SMDR SERVICE SMDR Service Option. On-Line / Off-Line SMDR / SMDR-Interface / Email Service .can be enabled	1	0: Not Use 1: On-Line 2: Off-Line 3: On-Line/Off-Line 4: SMDR-Interface 5: SMDR E-Mail 6: Off-Line & E-Mail 7: On/Off-Line & E-Mail 8: Interface & E-Mail	0:Not Use
OUTGOING REPORT Outgoing Call Report Option for SMDR Service. If this option is set, outgoing call will be included at SMDR data	2	0:Off 1:On	0:Off
INCOMING REPORT Incoming Call Report Option for SMDR Service.  If this option is set, incoming call will be included at SMDR data	3	0:Off 1:On	0:Off
ICM REPORT Internal Call Report Option for SMDR Service.If this option is set, internal call will be included at SMDR data	4	0:Off 1:On	0:Off
LOST CALL REPORT Outgoing or Incoming Lost Call Report Option for SMDR Service. If this option is set, CO lost call will be included at SMDR data	5	0:Off 1:On	0:Off
RECORD TYPE If set to on, LD calls are identified by the LONG DIST CALL DGT Counter; the system can record all outgoing calls or only long distance calls.	6	0:All Call 1:LD	0:All Call
LONG DIST CALL DGT CNT Dialed numbers, which exceed the assigned LD Digit count, are considered long distance calls for SMDR.	7	07-15	07
CURRENCY UNIT The unit of currency used for call cost can be identified with 3 alpha characters for easy reference.	8	Max 3 characters	-

ÚÕT ÁÐIG	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÔUÙVÁĴÒÜÁĴWŠÙÒÆĒY @}Á,^ơ¦ā,*ÁsÁ;[çãs^åÁ à^Á@ÁĴÙVÞĒs@ÁS[•ơÁ^¦Á,^ơ¦ā,*Á;` •^Ásæ)Ás^Á æ••ā}}^åÈ	J	ÎÁsatão	€€€€€€
ÙT ÖÜÁƏÜŒÔVŒ)ÞÁŒÄÖ^♂¦{ 尋^•Á@Á;[•ãã;}Á;Á c@Ás^&ā; æþá;ÁœÁÔ[•ơÁ,^¦ÁÚˇ •^ÊÁ;cæ;cð;*Á¦[{ Á c@Áã @Ё[[•ơÁsã ãÈ	F€	€Ĭ	€
PÖÖÖÞÁÖQЊÖÖÁÖÖVÁËÄÖ^¢¦{ ā,^•Áæ,Á; { à^!Á [ -Ásāæ; ^á,Ásā āæ,Á; Áœá,Á; ¦Á^&; lãc Á; '!] [ •^•Ésæ; åÁ !^]  æ&^åÁ; āæ; Á; Áœá,Á; jÁrHÁs^ [ , Ás^-ā,^•Á , @c@!Á; æå; à; Á; lÁ; æå; à; Ksā āæ,Áæ; Åæå; å^) ÈÁQÓÁ æååäā; }Ésæ,Ácæá; }Á; č•cÁs^Áæ••å; }^åÁ; lÁJTÖÜÁ PÖÖÒÉÚŐTÁÔUÖÖÁFHFÁsča[ }Á; È		€3	€
PÖÖÖÞÁÖÖVÁÚUÙŒVŒUÞÁŒÁY @}ÁÄPÖÖÖÒÞÁ ÖŒSÖÖÁÖÖÖŒVÄÁBÁA}æà ^åÆÁ`æ[}ÁFGÁBÁ][ç^ÆÁŒAÁ -æ} åÁá^œ\{ ā}^•ÁSAÁ^æáā;*Á;¦Ádæáā;*ÁáāðærÁSE^Á @áá^}È	FG	ĐŠ^-€ FKÜ∄®	FKÜ ā @c
\\'\'\'\'\'\'\'\'\'\'\'\'\'\'\'\'\'\'\		€Qåãçãà a+ FKQ c^*¦æc^Á/-^¦ā;* G+Q;c^*¦æc^Á/-^¦^å	€KQ}åãçãà`æţ
\\'\'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		€10[¦{ æ4Ô@æ* āj* FKOŒåÁÔ@æ** āj* GKÝ-^¦^åÁÔ@æ* āj*	€#Þ[¦{ æ#ÁÔ@e±*āj*

PGM 232	BTN	RANGE	DEFAULT
WARNING TONE SVC if this option is enabled and SMDR service type is off-line, the system check free records space. And if free space is less than 1000, warning tone will be served as alarm to Attendant.	15	0:Off 1:On	0:Off
SMDR CONN TYPE This assigns port to be used for SMDR Interface. SMDR Interface is served through LAN or SIO.	16	0:SIO 1:LAN	0:SIO
- SMTP MAIL SERVER ADDRESS SMTP Mail Server IP Address.	Web Only	-	-
- SMTP MAIL SERVER PORT SMTP Mail Server Port Number		-	-
- SMDR REPORTED MAIL ADDRESS SMDR User Mail Address.		Max 64 characters	-
- SMDR SMTP MAIL SERVER ID SMTP Mail Server User ID		-	-
- SMDR SMTP MAIL SERVER PASSWORD SMTP Mail Server User Password		-	-
- SMDR SMTP SENDER ADD Sender Address of Reported SMDR E-Mail		Max 64 characters	-
- SMDR SMTP SEND WEEKLY SET Select SMDR Mail Send Day		N/A (Monday- Sunday)	N/A
- SMDR MAIL SEND DAILY SET 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 If the SMDR buffer is full, the system can automatically send a notification by e-mail.	Web Only	0:Off 1:On	1:On
- SMDR MAIL AUTO DELETE MODE Deletes SMDR records after sending e-mail.		0:Off 1:On	1:On

CO/IP Line Data

# Ô@ed\*^ÁT[å^ÁQÚÕTÁF΀ÁËÁØŠÒÝÁFFDÁÑÁ^^Á&^œæ∰ÞÁ;}Ájæ≛^OEËÍ

ÚÕT ÆÎ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÔPŒŰÕÒÁTUÖÒÁŒÄQÁŒÜÒÒŒÁ®Á¤¢ơ¦}æÁæḍÁæQˇ* @ÁÛUÁ¸Ā¸^ƸÁ¸[ cÁ ]¦ā¸ơå₽æç^åÁų́ÁJTÖÜÁ°ç^}ÁxQˇ* @ÁUTÖÜÆjÁ°}æà ^åÈ GÁÜÒÚUÜVŒÁ®Á°¢ơ¦}æÁsæḍÁœQˇ* @ÁÔUĒÁ¸AÆjÁ¸&Jˇå^åÁų́ÁJTÖÜÁ æ&&[¦åā¸*Áų́ÁœÁJTÖÜÁŒdã°ơ•È		€MÁØ!^^ FMÁÜ^][¦c	Ü^][¦c

### RELATED FEATURES

### **HARDWARE**

ÚÜÓ

# Calling/Called Party Identification (CLIP/COLP)

 $V@AÛ^{\bullet} \circ \langle A^{\circ} A^{\circ} A \hat{G}_{a} | \hat{A}^{\bullet} A \hat{G}_{a} | \hat{A}^{\bullet} A \hat{G}_{a} \rangle (\tilde{A}^{\circ}) (\tilde{A$ 

### Digital Phone Display

LINE XXX RINGING 03438502821

# CLI Serial output

″ Y @ }ÁÔŠÓÁna Á^} α^¦^åÁs@ [\* \*@ÁnaÁná [¦{ æ þÁÔU ÁŠā},^Áş¦Án,[αÁsãæ †^å ĒÁs@ Áså^•α∄ ææāi}}Ás@ [\* \*@Á ÖÖÖÁÐ;^kÁ

## 

- Y @} ÁÔŠŒÁ Á\} e\\^åÁs+j å ÁÛæã; } Ás+j , ^\+Ás@ Áð; \* KÁ
  CEJEJEÁÓÓÓÓÓÓÁÁÖÖÖÖÖÖÖÖÖÖÖÖÖÖDÄÜNÁ202020202Á

## Y @\\KA

- ″ OÆDÆDÆÁÁÔÙÖÞÁÔUÁÁB¸^Á¸`{à^¦Á
- ″ ÓÓã ÓÁ ÁÔŠQÚÁ

- CCCCCCC Called Station
- DD...D Speed Dial Name
- EEE Speed Dial Bin Number (3 or 4)
- FFFFFFF Answering Station

The System will also compare the identification to the Speed Dial bins. If a match exists, the Name of the Speed Dial bin may be displayed in place of the number, CO/IP Name Display.

The System will send calling and answering party identification in the appropriate messages to the ISDN based on the database. Identification messages may be restricted, and not reported to the far-end user. Calling Line Identification Restriction and Connected Line Identification Restriction may be enabled in the System database.

#### CONDITIONS

This feature may not be available in the specific ISDN service area or may be a subscription service.

## OPERATION

Operation of this feature is automatic.

### **PROGRAMMING**

# System Data

CLI Print (PGM 223 - FLEX 6) ... see details on page A-85

PGM 223	BTN	RANGE	DEFAULT
CLI PRINT If set to ON, CLI information is printed.	6	0: Off 1: On	0: Off

# Keypad Facility

The ISDN Keypad Facility Information Element (IE) may enable the User to activate certain ISDN services (ex., Off-Net Forward). To access this facility, the Station must be enabled and have a Flex button programmed for {KEYPAD FACILITY}. When activated, the digits dialed by a User are sent in the Keypad Facility IE instead of the Called Party Number IE.

#### CONDITIONS

- This feature can be activated or deactivated only after a CO Line (ISDN) is seized.
- Once activated, the system will continue to send dialed digits as Keypad Facility IE messages regardless of ISDN messages; in the connected mode, DTMF tones are not sent to the connected party, only the keypad message is sent.

- ÉÁ V@áÁ^æč¦^Á; æÂ,[œÁa^Áæçæājæà|^Áā,Áæ@Áa]^&ãæðÁQÙÖÞÁ;¦Á; æÂa^ÁæÁ\*`à•&¦ā]æā;}Á
  •^¦çæðÁÀ
- ËÁ V@ÁÛ^•¢{Á&æ)Á@æ)å|^Á;}|^ÁsæÁā;\*|^ÁÔæ|ÁÜ^-^!^}&^LÁ^\;çæX^•Ás@æA^~``ā^Á@æ)å|ā;\*Á;-Á c,[Áā;ĭ|ææ)^[`•ÁÔæ|ÁÜ^-^!^}&^•É&æ)}[oÁs^Á`]][!¢åĚÁ

## **OPERATION**

### Digital Phone

To program a {KEYPAD FACILITY} button:

Ú¦^••ÁĬÚÕT áÆÁ,ØŠÒݤÆÁÖ °CE;}ÁØ^æĕ¦^Á/`]^ÁÇFDÆÁ,S^^]æåÁØæ&ãjãc°¤Á^æĕ¦^Á&[å^ÆÁ ŽUOXÒáÁ

To activate the keypad facility after seizing an ISDN line:

FÈ ŠãoÁPæ) å•^dÉÁ¦Á¦^••ÁĚÚ]^æà^¦áÁàčd(}ÈÁ

Œ Ú¦^••Ás@ÁSÒŸÚŒĎÁZŒÔĞŠŒŸŸ¤Ás\*æ{} ÈÁ

### **PROGRAMMING**

Numbering Plan

S^^] æåÁØæ&ájãc ÁÔ[ å^ÁÇÚÕT ÁFFHDÁS Á\^^Áså^ææ‡•Á\}Á\æ\* ^ OĦĠE

ÓVÞ	ØÒŒWÜÒÁÇÚÕT ÁFFHD	ÜÒTŒÜS
ÌΗ	S^^]æåÁØæ&ããĉ	ÀÀE

### Station Data

Ø\^¢ÁÓˇœ[}ÁŒ•ã\*}{ ^}œÁÇÚÕTÁFGÎDÁSÁ^^Á&^œæ♣Á;}Á¸æ≛^ŒŒU S^^]æåÁØæ&ã‡ãčÁ•æ≛^ÁÇÚÕTÁFHHÆÄØŠÒÝÁFGDÁSÁ^^Á&^œæ♣Á;}Á¸æ≛^ŒËH

ÚÕT ÆH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
SÒŸÚŒĎÁZŒÔĞŠQYŸÁNÙŒÕÒÁŒŽŶ}æà ^Á^^]æåÁæ&ÃÃã¢È	FG	€MáÖãræà ^ FMáÒ}æà ^	Öãræà ^

### RELATED FEATURES

Ùææã[}ÁÛ]^^åÁÖãæþÁs Á\^^Á;æ\*^HËFIÏ

## **HARDWARE**

Öði ðaæþÁÚ@{}^

## PRIB

# Multiple Subscriber Number (MSN)

The Multiple Subscriber Number (MSN) feature enables multiple stations to receive ISDN incoming calls at a specific destination. Additionally, it enables a station to place an outgoing call using a specific CLI.

## CONDITIONS

If a CO line uses Representative CLI, that information is sent before other CLI options.

### **OPERATION**

If set, MSN operation is automatic.

## **PROGRAMMING**

#### Station Data

Station DN Type (PGM 130 – FLEX 1) ... see details on page A-31 Station CLI Number (PGM 135 – FLEX 6) ... see details on page A-35

PGM 135	BTN	RANGE	DEFAULT
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.	6	24 digits	-

Station Flex Button Assign (PGM 126) ... see details on page A-29

### CO Line Data

CO Digit Conv. Table Index (PGM 160 – FLEX 6) ... see details on page A-45

PGM 160	BTN	RANGE	DEFAULT
DGT CONVERT TBL Set Digit Conversion Table index.	6	1-9	2

# System Data

# 

ÚÕT ÁGÍ F	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
CŒÚÚŠŸÁVËVŸÚÒÁËŽÝ@ÁŒĮ] ^ÁæĮ ^Áŝ]^Áq Áæ, Áæ]] ā\åÁ, @}Áæ¢ áæ $\phi$ \åÁåā āxÁæ Ásāæ $\phi$ \åÉ	F	€KW}&{}åããá{}æ FKØ[∭;ÁÖÞV GAÁØ[∭;ÁŠÔÜ	W}&[}åããa[}æ
ÖQQEŠÒÖÁÖÕĞQYÙÁEEÁV @ Ásiæqt^å Ásiði ær È	G	Tæ¢ÁrÎÁåãããe	Ë
WÞÔUÞÖÁÔPŒÞÕÒÖÁŒŹW@ÁÔUÁÕ¦[*]ÁŒ&V••ÁÔ[å^Áæ)åÁ åããvÁ[Áæ^Á^}¢¼[ÁÛÝÁ,@}Á@Æåãæ;^åÆåããáæÁ;¦^••^åÆáÁ Œ]] ^Áā[^Ác]^Áæ]6C}&[}åãā[}æ;È	Н	Taq¢ÁrÎÁsâãão	Ë
$ \ddot{O} \ddot{O} \ddot{O} \dot{O} \ddot{O} \ddot{O} \ddot{A} \ddot{E} \dot{A} \otimes \dot{A} \ddot{O} \dot{A} \ddot{O} \ddot{O} \ddot{O} \ddot{O} \ddot{O} \ddot{O} \ddot{O} O$		Tæ¢ÁrÎÁsåããe	Ë
ÞŐÞPVÁÔPOÞŐÖÖÆÄV@ÁÔUÁŐ¦[ˇ]ÁBZ&^••ÁÔ[å^Ás)åÁsããæÁ qÁs^Ás}dágÁÚÝÁgÁÞã@Á;@}Ás@Ásãæþ°åÁsãããÁsÁ;¦^••°åÆá CŒ]] ^Ásã,^Áŝ]^ÁsáÁCZUŠŠUYÁÖÞVC	ĺ	Tæ¢ÁrÎÁ&ãããe	Ë
VOI ÒÖÁÔPOEÞŐÒÖÁEÐÁV @ÁÔUÁŐ; [ˇ]ÁDE&A^••ÁÔ[å^Ás)åÁsðãðeÁ qÁs^Ás^} cÁqÁÚÝÁSÁVQI ^åÁ, @}Ás@ÁsðeA^åÁsðãðeÁsÁ CE]] Ásq ^Ás]^ÁsaÁCOUŠŠUY ÁÖÞVŒ	Î	Tæ¢ÁrÎÁ&ãããe	Ë
ÖFÐVFÁÔPCÐÞŐÖÖÁÐÐÁV @ÁÔUÁÕ¦[*]ÁDB&AN••ÁÔ[å^Áæ)åÁæðãæÁ qÁæ^Áa^}cÁqÁÚÝÁBÁÖæðÁFÐVQ ^ÁFGÁ @}Ás@Ásædp^åÁæððæÁ ]¦^••^åÁæÁÐÐ]] Áæð ^Ás]^ÁæÁØZUŠŠUYÆSÔÜŒ	Ϊ	Tæ¢ÁrÎÁ&ãããe	Ë
ÖFÐVGÁÔPCÐÐÕÒÖÁÜÐÁV @ÁÔUÁÕ![*]ÁCÐB&^••ÁÔ[å^Áæ)åÁæðãæÁ qÁæ^Áæ^}cÁqÁÚÝÆjÁÖæáÆÐVæjAÆÐOÆ)ÁæÁæAæAåæðæÁ ]¦^••^åÆÁÐÐ]] ÁæjAÁÖ) AæÁŒZUŠŠUYÆSÔÜŒ	Ì	Tæ¢ÁrÎÁsâããe	Ë
ÖFÐVHÁÔPCÐ-ÕÖÖÁÜÐ ØÁÔUÁÕ![*]ÁQB&^••ÁÔ[å^Áæ)åÁæðãæÁ qÁæ^Áa^}œÁqÁÚÝÁBÁÖæÁÐÐQ ^ÁHQÓ @}ÁæÆÆæPåÁæðãæÁ ]¦^••^寯ÁQÐ]] Áæða ^Ác]^ÁæÁØZUŠŠUYÆSÕÜŒ	J	Taq¢ÁrÎÁsâããe	Ë
$ \ddot{O} \dot{E} \dot{V} \dot{F} \dot{A} \dot{O} \dot{P} \dot{C} \dot{E} \dot{O} \dot{O} \dot{A} \ddot{E} \dot{A} \dot{C} \dot{C} \dot{A} \dot{O} \dot{C} \dot{A} \dot{C} \dot{C} \dot{C} \dot{C} \dot{C} \dot{C} \dot{C} C$	F€	Tæ¢ÁrÎÁ&ãããe	Ë
ÖŒVGÁÔPŒÞŐÒÖÁËŽV@ÁÔUÁÕ¦[*]ÁŒ&^•ÁÔ[å^Áæ)åÁæããæÁ qÁæ^Áa^}œÁqÁÚÝÆjÁÖæÁŒÐVæj^ÁŒÓ @}ÁæÁææp^åÁææt åæáðæÁ ]¦^••^åÁæÁŒ]] Áæj^Áæ)^Áæ)AæÁœUŠŠUYÆSÔÜŒ	FF	Taq¢ÁrÎÁsâããe	Ë
$ \ddot{O} = V + \dot{A} \ddot{O} + C + \ddot{O} \ddot{O} \ddot{A} \ddot{E} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} A$	FG	Tæ¢ÁrÎÁ&ãããe	Ë

PGM 251	BTN	RANGE	DEFAULT
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'.	13	Max 16 digits	-
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'.	14	Max 16 digits	-
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'.	15	Max 16 digits	-
DNT TIME INDEX Day/Night/Timed Time Table Index.	16	1-9, none	none
LCR TIME INDEX LCR Time Table Index.	17	1-9, none	none
NAME When DID destination starts to ring, the name is displayed on the ringing station's LCD.	18	Max 16 digits	-
APPLY OPTION The Apply Option can be applied according to the caller.	19	0:All 1:Station 2:CO Line 3:Diable	0:All

## **HARDWARE**

**PRIB** 

## ISDN CLI

When programmed, the IDSN will send CLI information on incoming and outgoing Calls. On Incoming Calls, CLI information is delivered to the Calling Party System. On Outgoing Calls, CLI information is delivered to the Called Party System, and also from the Called Party System to the MBX IP.

### CONDITIONS

- If a CO line is using Representative CLI, that information is sent before other CLI options.
- If a Station that places or answers the CO call has a CLI number programmed, only the CLI number of the station is sent as CLI information (similar to Long CLI option of ipLDK system).
- If a CO line is not using Representative CLI and the Station is not using a programmed CLI number, then the {CO Own Code} + {Station number} is used as CLI information.

- ÉÁ V@ÁÚ,} ÁÔ[å^Á;ÁæÁÔUÆŠā]^ÁsrÁ;¦[\*¦æ;{ ^åÁn^]æ;ææ^|^Á;ÁQ&[{ā]\*ÁÔŠŒæ;}åÁUč¢[ā]\*Á ÔŠŒÁÁ
- $$\begin{split} & \stackrel{\text{EA}}{\text{CA}} = \frac{\hat{A}}{\hat{A}} = \frac{\hat{A}$$

### **OPERATION**

QÁ, ^dÊÁQÙÖÞÁÔŠQÁ, ] ^¦ææā[}ÁārÁæĕd[{ææã&BÉÁ

## **PROGRAMMING**

## Station Data

Ùczecai } ÁÔŠŒÁCEcci aã č c^• ÁQÚÕT ÁFHÍ DÁS Ár^^Ás^cæaif• Ár } Ár æt ^ CUÉHÍ

ÚÕT ÆHÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÔŠŒĴÁÖŒĴŰŠŒŸÁĒĬÔæļĬġ*ÁŠēţ^ÁŒQ^}ŒÃææætī}ÁÚ¦^•^}œætī}Á ÇÔŠŒĴŒŒġÁŒĴĊÞÁ^¦çæðÆÅ^}å•Á@Á¸*{à^¦Á;-ÁœÆædjē;*Á ]æċÁqÁœÁ^•¢º{ÁşÁœÆædjÁĴÖVWŰÁ;^••æ*^ĔÁŒÁ ^}æàļ^åÆÃœÁ;*{à^¦Á¸ājÁs^Á;@¸}ÁşÁœÁÖðããædÁ;@}^Á ŠÔÖÈ		€KU~ FKU}Á	U}
ÔU ŠÚÁÖQÌÚŠOËYÁÏÏÄÔU ŠÚÁÇÔ[}}^&&^åÁŠą^ÁQÁ Ú¦^•^}œæā[}匝蓋為ÁQÌÖÞÁ^¦çãX^ÊÁ^}å•ÁœÁ; { à^¦Á;ÁœÁ æ)•¸^¦ā;*Á;æćÁ;ÁœÁ^•œ{Á\$Á@Á&æHÁÔUÞÞÒÔVÁ { ^••æ*內莖ÁQÁ;}æà ^åЁ‰@Á;*{ à^¦Á;ā Áò^Á;@¸}ÁşÁœÁ ÖðiãæÁÚ@}^ÁSÔÖÈ	G	€KU~ FKU}Á	U~-
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ÔŠŒJÁY PÒÞÁJWWÕUŒPÕÁĒĒÔŠŒJÁÇÔæHJª * ÆŠª ^ Á  @^} ŒÆ&æŒ]}ÁÜ^•dæŒ]}DÆ;ÁŒ)ÖÞÁ^¦çæAÊÁ^{ [ç^•Á  &æHJª *Á;æċ6ÁÖÁ^}ċ4[{ ÁœÁÜÙVÞÁ;ÁœÆ;AH^åÁ;æċ6Á;ãæÁ  æÄÜÒÙVÜØÛVÁS;•d*&æ]ÁS;Áæ,ÁÜÒVWÚÁ;^••æ*AĚÁŒÁ ^}æàI^åÁ@¦^ÊÁœÁÛÙVÞÁ;@}Á;Áæ,ÁÜÒÙVÜØÛVÁ  ₫•d*&æ]}ÁÇÁœÁÚÙVÞÁ;@}Áæ;Á;č¢[j³ *ÁŪÜÖÞÁ&æHÆ;Á ] æ&^åÈ	I	€KÁÚ~ FKÁÚ}Á	U~

PGM 135	BTN	RANGE	DEFAULT
COLR WHEN ANSWER 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.	5	0: Off 1: On	Off
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.	6	24 digits	-
CFWD CLI/REDIRECT 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.	7	0: CLI 1: Redirect	CLI
IGNORE CALLER CLIR When receive a call with CLIR option, ignore the option and display CID.	8	0: Off 1: On	Off
MOBILE EXTENSION CLI 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).	9	0: Caller No 1: Mobile Sta No 2: Caller + Mobile Sta	Caller No
LONG CLI 1 If CLI type of outgoing CO line is set to 1, Long CLI 1 is sent.	10	24 digits	-
LONG CLI 2 If CLI type of outgoing CO line is set to 2, Long CLI 2 is sent.	11	24 digits	-
LONG CLI 3 If CLI type of outgoing CO line is set to 3, Long CLI 3 is sent.	12	24 digits	-
CLI NAME DISPLAY If this is set to ON, Name matched with CLI will be displayed This selection determines if the Digital Phone will display CLI name with CLI.	13	0:Off 1:On	Off
STA NO HIDDEN If this is set to ON, station number is not displayed at calling or called party LCD. This selection determines if the Digital Phone will display Station number	14	0:Off 1:On	Off
CALL TRANSFER CLI When a STA makes transfer call, call SETUP message will contain an transferor or transferred CLI	15	0:Transferor 1:Transferred	Transferor

### CO Line Data

# U¸}ÁÔ[å^ÁËÁQ&[{ã¸\*ÁQÚÕTÁTÎÍÁÁÆŠÒÝÁJDÁSÁ^^Áå^ææf‡Á;}Á;æt^OËÜÌ

ÚÕT ÆÎ Í	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
UYÞÁÔUÖÒÁŒÁJ¸}ÁÔ[å^È	J	Tæ¢Á√rÎÁ åããæ•	Ë

# U¸}ÁÔ[å^ÁÄÁUˇc\*[ā]\*ÁQÚÕTÁFÏ€Á.ÁØŠÒÝÁFGDÁSÁ^^Á&^œa∳Á;}Á;æ\*^ ŒÉI

ÚÕT ÆÏ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÜÒÚÜÒÞVŒYŒÒÁÔŠŒÁĒÁY @}ÁŒV+^ÁÜ^]¦^•^}œÁÔĞŒÁ ÇÚÕTFÏ€ËZF€DÁFÁ^œÁ{ÁUÞÊÁ^]¦^•^}ææãç^ÁÔŠŒÁFÁ^}œÁ;@}Á;æàã;*Á [ˇď[ā]*Á&æ‡ Á^*æå ^••Á;4@°¦ÁÔŠŒÁææďãa`ďÈ	FG	Tæ¢Á√rÎÁ åãtão•	Ë

# Ü^];^•^} cæaãç^ÁÔCÖÁÄÜÚčť[ð]\*ÁQÚÕTÁFÏ€Á.ÁØŠÒÝÁFFDÁSÁ^^Á&^cæði•Á;}Á;æð^CŒÉI

ÚÕT ÆÏ €	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
WÙÒÁÜÒÚÜÒÙÒÞVŒVXÒÁÔŠŒŒËÄ¢¢ŒĕÁ^æĕ¦^ÆĕÁ^¢€[ÁUÞÊÁ ¦^]¦^•^} œææç^ÁÔŠŒŒÁ•^åÁ§Áç^¦^Á°ç°¦^Á° ♂[ã,*Á&æ∯Á,Á^ ^&c°åÁÔUÁÃ;^È	FF	€KÁU~- FKÁU}	U~-

## **HARDWARE**

ÚÜÓ

# **ISDN Supplementary Services**

Qhá æ)^Ásæ•^•És@ÁQÙÖÞÁÙ/¦çæ3<ÁÚ¦[çãå^¦Á¸á]|Á;~^¦Ás} @e) &\åÁ^¦çæ3<•Áœçæájæà|^Á[¦ÁN•^¦Á Ů`à•&lājqāj}ÈÁV@ÁÛ°•<{Áæ|[¸•Áx&&^••Á[Á@•^ÁQÙÖÞÁÛ°]]|^{ ^}æ\$^ÂÛ^¦çæ3<•Æ[]|^{ ^}«^àÁ `}å^¦Ác@ÁÖVÙÓacæ)åæ4åÁæ4åå<•&lâa^åÈÁ

# **ISDN Call Deflection**

 $Y @ \} \acute{\Omega} a | \acute{A}O^{+} \& c | \} \acute{A} = \acute{A} \bullet ^a \dot{E}_{0} @ \acute{A}O^{+} \bullet c | \acute{A}^{+} a \bullet \acute{A} = \acute{A} \bullet \acute{A} \otimes \acute$ 

### CONDITIONS

- The ISDN must support Call Deflection Supplementary Service as defined by the ETS300-202/206/207 Standard protocol.
- ISDN lines that support Call Deflection must be assigned in the System database.

### **OPERATION**

# Digital Phone

To activate ISDN Call Deflection for an External Phone Number:

- 1. Lift the handset or press the [SPEAKER] button to receive dial tone.
- 2. Press the [FWD] button.
- 3. Dial Forward condition (1-4, or #)
- Dial CO Access Code and desired External Phone Number.
- 5. Replace the handset, and return to idle.

To deactivate ISDN Call Deflection:

Press flashing [FWD] button, Call Forward will deactivate and the [FWD] button LED will be extinguished.

## **PROGRAMMING**

### CO Line Data

ISDN CD (PGM 161 - FLEX 9) ... see details on page A-46

PGM 161	BTN	RANGE	DEFAULT
GAIN TABLE IDX Determines Gain Table for CO line.	9	1-3	1

### **HARDWARF**

ISDN Line

Digital Phone

# Representative CLI Service

If a user makes a CO Call, the System can send Representative CLI instead of Individual CLI.

## CONDITIONS

This feature can be set for each CO Line.

# **OPERATION**

# **PROGRAMMING**

# CO Line Data

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ÚÕT ÆÏ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
UY ÞÁÔUÖÒÁ/UÁ/ÜŒÞÙŒYÁÔŠŒÄÄÆŒA Á^æc`¦^Áa Á^œ4(ÁUÞÁa) åÁæ; ^Á -^æc`¦^Á;Áa)8[{ā]*ÁÔUÁædãa`&∱aÁp+[Á^œ4(ÁUÞÉ&@}ÁU;}Ás[å^Á;Á [čť[ā]*ÁÔUÁā}^Áa Áa,Þa•^¦&åÁ;ÁœÁÔŠŒÁ,Ádæ)•ãAÓUÁ&æl È		€ÁU~ FKÁU}	U~

# Ü^]¦^•^} cæ ãç^ÁÔŠ ÓÁQÚÕ TÁFÏ €ÁËÁØŠ ÒÝÁFF DÁS Á•^^Ás,^cæ ã•Á;}Á;æ \*^ OĦÉI

ÚÕT ÆÏ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
WÙÒÁÜÒÚÜÒÙÒÞVOEVOXÒÁÔŠŒÁÉÄŒÁ^æč¦^Ámá^cÁq ÁUÞÉÁ ¦^]¦^•^}œæãç^ÁÔŠŒÁÁ•^åÁq Á¤ç^¦^Á,* ♂[ã,* Ásæ Á, Á*^ ^&c^åÁÔUÁjā,^È	FF	€KÁU~ FKÁU}	U~

# Chapter 6

# **Digital Phone**

The following Digital phones and Optional Boards are available for use with the MBX IP 100 and 300 Systems.

# Digital Phones

- Edge 8012/8024 IP phones
- Edge 700 8 & 24 button digital phones
- 30xx Vodavi digital phones
- STS digital phones
- 90/Tr90 infintie/Triad digital phones
- Comdial 80xx/83xx/E100 digital phones

# Optional Boards

- BTU (IP-8000 Series)
- MU/FU/MFU/BTU/USB (LDP-7000 Series)

# DSS

- DSS/LSS (IP-8000 Series: IP-8012DSS, IP-8012LSS)
- Digital-48DSS
- LDP-7048DSS

## Door Phone

LDP-DPB

# **Auto Called Number Redial (ACNR)**

OZÁÚczezáj}Á/N+^¦Ásze)Á/~``^•cÁgÁœzç^Ás@ÁÚ^•c^{Á^d^ÁzeÁÓ`•^Ág¦ÁÞ[ÁOE;•¸^¦ÁÒ¢c^¦}ædÁÖædþÁ}æáÁ c@ÁszedþÁsaÁg[}}^sco\*åÁg¦Ás@Á^æz°¦^ÁsaÁsze)&^||^åÈÁÁ

## CONDITIONS

- EÁ V@ÁsædlÁ, āllÁs^Á, |æsc^åÁ; } Ás@Áæd. ^Á, æc@ÁæÁ; lãāā; ædl^Á.•^åLÁsÁæÁ; Ásæ@Ás ÁÓ\*•^ÊÁæ)Á æçæājæà|^ÁÔUÐOÚÁ; ^Ás, Ás@Áæ; ^Á; [č]Á, āllÁs^Á^ã^ååĚÁ
- ËÁ V@ÁŒÔÞÜÁÜ^d^ÁÔ[ˇ}♂¦Á&^&\^æ•^•Áa^Á¡}^Áræ&@Áā[ ^Ás@ÁÛ^•♂{Á&[{]|^♂•Ás@Á Öãæţ^åÁpˇ{à^¦ÈÁ
- ÉÁ Y @ }Ás@ ÁDĐÔ ÞÜÁÚæ ^Á⁄ā, ^¦Ár¢]ā ^ ÉÉSÁœ Á œæā, }Ás Ás, ÁæÁÓ ^Ár œæ ÆS@ ÁDĐÔ ÞÜÁ Ö^|æ Á⁄ā, ^¦Ás Ás, c [ \ ^å ÉÁ
- EÁ W][} ÁS[{]|^cat} At -Ás and at EÉs@ ÁÛ^• c^{ At all At [} at | As@ Asad| At | At | [\* |^•• At at } ad• È

#### **OPERATION**

## **System**

 $QAL[*|ae{A^{\hat{a}}\hat{B}\hat{U}^{\bullet}e^{A}]^{ae}\hat{A}]$ 

### Digital Phone

To activate ACNR:

FÈ Y @\$\^Á\^&\~āçāj\*ÁsekÔ`•^Á,[cāa\$kææāj}Á,¦Á>[ÁOE;•,^¦ÊÁ,¦\^••Ás@^ÁZTÙÕ ĐĐÔCĒŠŠÓS áKà`cd[}Ê OR

ŒÙ Ú¦^••Áœ?ÁŒÔÞܤÁÙ[~Áàčæ[}ĚÁ

HÈ Pa) \* Ë] Á@a) å•^dÃ( ¦Á, ¦^•• ÁĨÚÚÒOES ÒÜ áĒÁ

To cancel ACNR while phone is in Idle state:

Ú¦^••Á@^Á|æ•@]\*ÁĨTÙÕĐÔŒŠŠÓSÁÁà\*æ[}ÈÁ

To cancel ACNR during an ACNR attempt:

Šã Áro@Á@a) å•^ŒÂ,¦^••Ár@ÃT WWÒÁRà`Œ[}ÊÁ,¦Á,¦^••Áro@Á|æ•@3,\*ÃTÙÕ ĐÔCEŠŠÓ SÁRà`Œ[}È

# **PROGRAMMING**

# System Data

ACNR Pause Timer (PGM 220 - FLEX 3) ... see details on page A-83

PGM 220	BTN	RANGE	DEFAULT
ACNR PAUSE TMR This timer establishes the time between ACNR attempts.	3	005-300 secs	030

### Tenant Data

ACNR Retry Counter (PGM 280 - FLEX 4) ... see details on page A-128

PGM 280	BTN	RANGE	DEFAULT
ACNR RETRY COUNT Determines the ACNR retry count.	4	0-5	3

# Station Data

ACNR Access (PGM 133 - FLEX 5) ... see details on page A-33

PGM 133	BTN	RANGE	DEFAULT
ACNR ACCESS enable ACNR feature.	5	0: Disable 1: Enable	Disable

## **RELATED FEATURES**

Last Number Redial (LNR) ... see page 3-110

Speakerphone ... see page 6-19

Mute ... see page 6-13

# **HARDWARE**

Digital Phone

# Auto Release of [Speaker]

# CONDITIONS

- EÁ CE ([ÁÜ^|^æ•^Á; -ÁŽÙÚÒCESÒÜ áÁs; [Ás;] | ð> Á([Á^æ; '^• Á; &| å; \*ÁÔæ|ÁÚæ\ ÉÃÔæ|ÁÓæ&\ ÉÁ Ôæ|ÁZ[ ; æ¦áÁæ; åÁÔU EQÚÁÛ`^` ā; \*ÉÁ
- ËÁ QÁN;|[}^[ˇ•ÁåæææÁnÁn}c^!^åÁnÁnææā[}ÁN;|[\*¦æ{{ā]\*Éæn}ÁN;|[¦Án[}^ÁnÁ^&^āç^åÁnè)åÁnè)åÁnô@Á W^^¦Á; ˇ•ơÁs[;|^&oÁnô@Án;|[¦Án^-{¦^Ánô@Ánææā[}Á,ā]Án^c`;}Ás[Áā]|^Áæčc[{ææãææ|îÉÁ

## **OPERATION**

# System

CE q ÁÜ^|^æ•^Á; ÆÜÚÓOESÒÜÁÁ; | ^læái; } Ás Áse q { ææãkÁ; lÁ\* ] ] [ lơ å Á æc l^• ÁÇ^- lÁ; Á Ô [ } å ãái; } • DĚÁÁ.

# **RELATED FEATURES**

Ôæ|ÁÚæ\ÁōÁ^^Á;æ\*^HĒG Ôæ|ÁÓæ&\ÁōÁ^^Á;æ\*^IËF Ôæ|ÁQ[¦¸æ¦åÁōÁ^^Á;æ\*^HËÍ ÔUÐÐÚÁÛ\*^\*ã\*ÁōÁ^^Á;æ\*^HËÍ

### **HARDWARE**

 $\ddot{O}$  at  $\tilde{a}$   $\tilde{a}$   $\tilde{a}$   $\tilde{a}$   $\tilde{b}$   $\tilde{A}$   # **Automatic Speaker Select**

Öði áræþÁÚQ}^•Á¦[\*|æ{ { ^åÁ[¦ÁE q[Á]] ^æ}^|ÂÚ|^|^&&&æ Á±&&^• Á±&ÛUEÐÚÁÄ; ^Á; |Áæ} ÁÐ ¢!} æþÓæ|Á
à^Á;|^••¾ \*Á® Áæ}];[]¦áæ¢^Ás` q[}Á, ásQ` cÁs@Á,^^åÁq ÁãxÁ® Áæ) å•^cÁ; |Á;|^••Áæ ÁSÚÚÒOESÒÜÁA
à` q[}ÆÁCE åðiÁ;[{ Ás@ÁÔUEÐÚÁŠ3 ^Á; |ÁÔæ||^åÁUææði} /ÁsÁ° ÁA} cÁg Ás@ÁÛ] ^æ; ^¦Áæ ÁsÁ®ÁV•^¦Á
]¦^••^åÁæ ÁSÚÚÒOESÒÜÁÁs` q[}Áæ) åÁs@ÁÚ] ^æ; ^|]Q}^ÁT QÓÆsÁæ&æçæ¢\*åÆÁ

### **OPERATION**

#### Digital Phone

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### CONDITIONS

- This feature does not apply to Digital Phones not equipped/assigned with Speakerphone; the User must lift the Handset.
- Paging while on the Speakerphone may cause feedback from Paging Equipment; if Auto Speaker is enabled and a {PAGE ZONE} button is pressed, the display will show "LIFT THE HANDSET". To complete the page, User must lift the Handset within the predefined 5-second period or the phone will return to Idle.

## **PROGRAMMING**

#### Station Data

Auto Speaker Selection (PGM 121 - FLEX 1) ... see details on page A-24

PGM 121	BTN	RANGE	DEFAULT
AUTO SPKR enables [SPEAKER] activation when a CO/IP, DSS or other feature button is pressed (handsfree).	1	0:Off 1:On	On

### **HARDWARF**

Digital Phone

# **Background Music (BGM)**

A Digital Phone can receive audio (generally music), from an Internal or External Source while it is Idle. Music from the source is received over the Speaker and will be disabled during Ringing, Paging, or when the Station is Off-Hook.

### CONDITIONS

- Speaker volume can be adjustable at the Station using the [VOL UP]/[VOL DOWN] keys on the Digital Phone.
- Silence is provided if no BGM Source is assigned.

Ôæ|ÁŠ[\*ÁÖã]|æ̂ Î É

Chapter 6: Digital Phone

### **OPERATION**

### **Digital Phone**

To listen to Background Music:

FÈ Ú¦^••Ás@ ÁŽÚÕT áÁs c[}Áse) åÁÖãæþÁGI ÉÁ

Œ Ù^|^&oÁc@ Áå^•ã^åÁÓÕTÁÙ[ \*¦&^¤ÉÁ

HÈ Ú¦^•• ÁŽÙŒX ÒáÁà ° cd } ÈÁÁ

## RELATED FEATURES

### **HARDWARE**

ÓÕT Á[~; &^Á; []^; Á&[}}^&c^åÁ[Á@ÁT ÚÓÁÇ^^; Á[ÁPæðå,æð^ÁBÁQ•ææð]}ÁŐ~ãð^DÁÁ

# **Call Log Display**

## CONDITIONS

- EA U  $^{A}$   $^{A}$
- ÉÁ Ôæ|ÁŠ[\*Ášā]|æ^åÁæÁ;}^Á;Á@^^Áć]^•Á;Áæ,ÞÁ;Áæ,ÞÁ;Aæ,PÁ;Aæ,PÁ
- EÁ V@ ÁÔæl|ÁŠ[\*/ás/Árdː\^å/ás/Ár[|ææāl^Ár ^{[|^LÁædás Ár[oÁl]] c^&c^å/ás/Ásæe^Ár Ár[. ^¦Áæás ¦^ÈÁ

Call Log Display

Chapter 6: Digital Phone

6-7

# **OPERATION**

### **Digital Phone**

To access the Call Log menu:

Press the {LOG} Soft button on the Digital Phone; a similar display will be presented.

Symbol	Description
$\rightarrow$	Outgoing (Dialed) Call
+	Incoming Answered (Received) Call
М	Missed (Lost) Call

2. Press the [VOL UP]/[VOL DOWN] buttons to select the Call Log to display.

3. Press the {SEND} button to make a call, press {SELECT} to check the detailed information, or press {EXIT} to return to Main Menu selections.

# **HARDWARE**

Digital Phones with 3 Soft keys

# **CO Line Name Display**

Y @ } ÁæÁÔUEDÚÁÔæ|Æa Á^&^ãç^åÁ; ¦ÁæÁW•^¦Ár^ã^•ÁæÓOUEDÚÁUææŒÁæÆÔUEDÚÁÞ~ { à^¦Æa Áåã] |æ^åÁ [ } Áx@ÆSÔÖËÁQÁœÆÔOUEDÚÁÚææŒÁa Áæ••ã } ^åÁæÁÞæ; ^ÁæjåÆÔUEDÚÁÞæ; ^ÁÖã] |æÆa Ár}ææ|^åÆÁæÁ ÔUEDÚÁ;æ; ^Á; ā|Æa^Æáã] |æ^åÆj•¢°ææÁ; ÆæÆÓUEDÚÁÞ~; { à^¦ÆÁ

## CONDITIONS

ËÁ Òæ&@ÓÛUÁŠāj^Áæ)åÁŒÚÁÕ¦[ˇ]Á&æ)Áà^Áæ••ãt}^åÁæÁÞæ(^Á;Á/]Á;ÁFGÁ&@æbæ&cº¦•Á§ÁœAÁ Ù^•c^{ÁÖæææàæ•^ÈÁ

### **OPFRATION**

## **Digital Phone**

To display the CO/IP Line Name while calling:

ÖãN ÁÔU ĐƯƯ Á CRESCA • • ÁSI å ^ ÉTŠ Ô Ö ÁSI ã ] | æ • ÁÔU ĐƯƯ ÁSI A ÁP æ ! ^ ÉTÁ

## **PROGRAMMING**

### CO Line Data

Q18[{ \$\frac{1}{4} \times \hat{A}\hat{O}U \hat{A}\hat{S}\frac{1}{4} \hat{A}\hat{A}\times \hat{A}\hat

ÚÕT ÆÎ Í	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÞŒTÒÁĒĒÁŊ&[{āj*ÁÔUÁŊā,^Áyæ(^Á&æ)Ás^Áæ••āt}^åÈ	F	Tæ¢ÁrîÁ&@ed∙	Ë

ÔUÁŠĄ ^ÁŒ& \$ • • ÁÔ[ å ^ ÁÞæ { ^ ÁQÚÕ T ÁFÌ €Æ ØŠÒÝÁF ĐÁS Á ^ ^ Ás ^ œ ♣ Á; } Á; æ \* ^ Œ F

ÚÕT ÆÌ €	ÓVÞ	ÜŒÕÕ	ÖÖØŒVŠV
$CEOOOOULÃUUOOACCE OĀĒĀV @}ÁæÃUĀÕUĀÕ;]ÁSB&^{\bullet} & { a^{\hat{a}} a^{\hat{a} a^{\hat{a}} a^{\hat{a}} a^{\hat{a}} a^{\hat{a}} a^{\hat{a}} a^{\hat{a}} a^{\hat{a}} a^{\hat{a}} a$		Tæ¢ÁrÎÁ&@e∳•	Ë

## **HARDWARE**

Öðt árædÁÚ@{}^Á, árœÁŠÔÖÁ

# One Time DND

While a Station is ringing or receiving an Off-Hook Muted Ring, the User can press the [DND] button, to reject the call and terminate Ringing. When the Station returns to the Idle status, DND is automatically cancelled and the [DND] LED is extinguished. If the DND button is pressed while on a call, any ringing to the Station regardless of destination DN, will be rejected and will not ring.

### CONDITIONS

- If the [DND] button is pressed while on an active call, subsequent calls will not be received for the duration of that call.
- One Time DND operates regardless of DND Access privilege.
- If the [DND] button is pressed when Delayed Ring Service is enabled, the Station will continue to receive Incoming Call Ringing.
- CO/IP recalls will override One Time DND.

#### **OPERATION**

### Digital Phone

To activate One Time DND while on a call

Press the [DND] button, the [DND] LED lights, station goes to DND state.

### <u>System</u>

### Deactivation

When the Station returns to Idle, DND automatically is cancelled and the [DND] LED will extinguish.

### **PROGRAMMING**

# Station Data

DND Access (PGM 132 - FLEX 4) ... see details on page A-33

PGM 132	BTN	RANGE	DEFAULT
DND ACCESS enables DND to be activated by the station.	4	0: Disable 1: Enable	Enable

#### RELATED FEATURES

Do Not Disturb (DND) ... see page 3-77

### **HARDWARF**

Digital Phone

Chapter 6: Digital Phone

# **Group Listening**

### CONDITIONS

- ÉÁ Y @\$\Á'•\$;\*\Á;@\ÁÛ] ^æ\^¦] @}}^ÉĄãæ;\*\Á;@\Á@;à\*•^¢¸\$|Áč';}Ë;~—Á;@\ÁÛ] ^æ\^!] @}}^LÁ; Á
  æ&æ;æe\ÁÛ;[`] ÁŠã¢\};}\*ÉÄ;@\ÁÜÜÜÒŒSÒÜÁŠ;`@[}Á;`• ¢\Á\^Á;¦^••^å\¸@\$\Á;@\$\Á;@\$\Á;@\$\Á;\\*••\å;
- EÁ Y @ A^ÁB, ÁÕ;[ˇ] ÁŠãr c^} ā,\* ÁT [å^ÊÁ; \^••ā,\* Ás@ ÁŽT W V ÒÁBà ˇ cc[} Á, āļ Ásæě•^Ás@ Á ÝÁ; æc@Á;[{ Á c@ ÁP æ; å•^oÁ; Ásæ ÁT ˇ c^å LÁs@ Ásãr œ; dÊ} å Á, āļ Ás cāļ Ás^Á@ æ; å Á; ç^¦Ás[ c@Ás@ Áæ; å•^oÁ^&°āç^¦Á æ; å Ás@ ÁDææā; } ÁŪ] ^æ; ^!ÉÁ
- ËÁ QÁˇ||ÁŪ]^æà^¦]@{}^Á[]^¦ææā[}ÁāsÁa^•āl^åÁæġåÁæçæā[æà|^Á¸@\$p^Áā¸ÁÕ¦[ˇ]ÆŠāc°}ā,\*ÁΤ[å^Á •ā[]|^Á^]|æ&ΛÁ@ÁPæ}å•^ΛÁ[Á[ÁU}ËP[[∖ÈÁ
- $\ddot{A} = \ddot{A} + \dot{A} + \dot{A} = \ddot{A} + \ddot{A} + \ddot{A} = \ddot{A} + \ddot{A} + \ddot{A} = \ddot{A} +$

### **OPERATION**

### **Digital Phone**

While on a call using the Handset:

Ú¦^••Áx@AĨÙÚÒCESÒÜÁÁsˇco[}LÁx@AÛ]^æà^¦Á,ā|Áx&scāçææ^ĒÁsa)åÁx@AÛ]^æà^¦]@[}^Á T&BL;[]@[}^Á,ā|Ás^ÁTˇc^åÁ,@ArÁx@Aræ)å•^cÆaAU~ĒP[[\ĒÁ

## **PROGRAMMING**

### Station Data

ÚÕT ÆGF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁŠOÙVÒÞÁEEÁ}æà¦^•ÁÖ¦[ˇ]ÁŠãơc^}Á^æċ'¦^ÉÁ æĕåã[Án-Á^}cÁg[Án[c@Á@Áææ;å•^cÁæ;åÁ]^æà^¦Á;ão@Á c@Áææ;å•^cÁ;æk[]@{}^Áæ&cãç^Áæ;åÁ]^æà^¦]@{}^Á {æk[]@{}^ÁUØØÄ		€ÁU~ FÁU}Á	U

## RELATED FEATURES

Ù]^æ\^\]@{}^ko Á\^^Á;æ\*^ÎËJ T`&ko Á\^^Á;æ\*^ÎËH

### HARDWARF

Digital Phone

# **Intercom Signaling Mode**

Each Digital Phone can select the applicable signaling mode used for incoming ICM calls while the station is Idle; there are three signaling modes available:

- Call Announce with Hands free Answer-Back (H) When an ICM call is received, the User receives a splash tone followed by the ICM caller's voice. The user may respond to the Caller without the need to Lift the Handset or press the [SPEAKER] button.
- Call Announce with Privacy (P) When an ICM call is received, the User will receive a Splash tone followed by the ICM Caller's voice; the User must lift the Handset or press the [SPEAKER] button to connect the call.
- Tone Ring (T) An ICM call will cause the Digital Phone to provide an audible ICM ring tone; the user must lift the handset or press [SPEAKER] to answer.

Digital Phones use Tone Ring Mode as a default, and SLTs always function in the Tone Ring Mode.

#### CONDITIONS

- Callback and Call Forward will ring in the tone mode, regardless of ICM Signaling Mode selected by the User.
- The ICM Signaling Mode Selection does not affect Page announcements.
- By default, the ICM Signaling Mode is Tone ring, and is stored in battery-protected memory.

### OPERATION

### **Digital Phone**

To change ICM Signaling Mode:

- 1. Press the [PGM] button; the [SPEAKER] button LED will light steady.
- 2. Dial 11 (Station User Program code), and a confirmation tone is received.
- 3. Dial the desired ICM Signaling Mode code (1=H, 2=T, or 3=IP).
- 4. Press the [SAVE] button

Á₩₩₩₩ØΓ¦ÁNÞŒÐÙVÙÐV¦ãæåÐã-ãjãeΛÁ,@}}^∙K

Select the HTP switch or button to select the desired mode.

Chapter 6: Digital Phone

# **PROGRAMMING**

# Tenant

Q,e^\8[{ ÁÓ`•^ÁU}^EÖãããÁÙ^\çã&^ÁQÚÕTÁGHÏ DÁSÁ^^Á&^cæ∰•Á;}Á;æ\*^ O##€F

ÚÕT Á <mark>C</mark> HÏ	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÙVÒÚÁÔŒŠŠÁĒÄ&^ơ¦{ ¾ ^•ÁsÁÙơ]ÁÔæ ÆsÁ°}æà ^åÁ;¦Ásãæàà ^åÈ	F	€M/Öãræà ^ FM/Ö}æà ^	Öãræà ^
ÖÖÖ OVÁFÁEEÁ, @}Áxs&&^••ā;*ÁxxÁs`•^Áq;}^EÁV•^¦Á;æíÁsáædÁ;¦Á;}^Á;~ c@Á;}^Eqï&ælA°¦çæk^•È	G		€KÁP-EDE
ÖØQVÁGÆË	Н		
ÖŒŒÁHÆŒÁ	I	€KÁÞEÐE	
ÖŐÇQYÁ ÁÉÉÁ	ĺ	FKÁÔæijËÓæ&\	
ÖŐÇQVÁ ÁETÁ	î	GHÁÔæ{ ]ÁU}	
ÖŐÇQY ÁŒÄ	Ϊ	HKÁÔæ∥ÁYæãc IKÁK[ã&∧ÁUç^¦	
ÖŐÇOVÁ ÁETÁ	Ì	ÍKÁQ)d°•ã[}	
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ÖŒŒÁÁŒÁ	F€		
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ÖŒŒÁĒÄ	FG		Ôæ∥ÁYæão
ÖØQVÁŘÁŦĚÁ	FH		X[ 28\H_ç\

## **RELATED FEATURES**

Qe'\&[{ ÁÔæ|ÁÇŒÒT ÁÔæ|DÁS Á\^^Á;æ\*^|ËS Úætā\*ÁS Á\^^Á;æ\*^|ËFÍ

# **HARDWARE**

Öðt ãtæþÁÚ@{}}^Á

Chapter 6: Digital Phone

# Mute

A Digital Phone can turn off audio transmission from the Handset, Speakerphone or Headset Microphone (Mic Mute).

### CONDITIONS

- Changing from Speakerphone to Handset or vice versa while the phone is Muted will re-activate the phone microphone, transmitting audio.
- Returning to Idle or placing another CO/IP or Intercom call will cancel Mute, and re-establish audio transmission from the phone.

## **OPERATION**

### Digital Phone

# To Mute the Microphone:

While on a call, press the [MUTE] button; the [MUTE] button LED will illuminate and the microphone (Handset, Speakerphone, Headset) will be muted, disabling audio transmission to the other party.

# To activate the Microphone:

Press the illuminated [MUTE] button; the [MUTE] button LED will be extinguished, and the microphone is activated, transmitting audio to the connected party.

### **PROGRAMMING**

#### Station Data

Headset Ring (PGM 121 - FLEX 3) ... see details on page A-24

PGM 121	BTN	RANGE	DEFAULT
HEADSET RING in Headset mode, this item selects device to receive incoming ring signals Speaker, Headset or Both.	3	0:Speaker 1:Headset 2:Both	Speaker

### RELATED FEATURES

Speakerphone ... see page 6-19 Group Listening ... see page 6-10

# **Off-Hook Signaling**

V@ ÁØ Æ !^Ás Ásæ ^å Æ Å Æ ÆÖ ÞÁØ ÆÖ ÞÁØ ÆË !^ÈÝ @ } Ásp ÁJ ~ËP[[\ÁÙcæā] } Á^&^ãç^• ÁsæŚæļÁ; ÁsæŚŪ ŁŌŪÓÁ
ÔæļÁā] \* • Æ Ç Ás@ÁÛ • Ø { ÁÇ ¦Ás@ÁU ~ËP[[\ÁÜcæā] } ÊŚ@ÁÙcæā] } Á āļÁ^&^ãç^Ás@Ásæ • ā } ^å Á
U~ËP[[\ÁÜā] \* Á;ā } æļÁ[¦ÁŪ,Ø ¦&[{ ÁĎæļ• ĒÃÔæļ ] ĒÚ } ÉÉÔæļÁY æsáĒĀ; ¦ÁX[ā&^ËÚ Ç^¦ÁŒ; }[~ } &^{ ^} œ¸ÉÁ
Ø[¦ÁÔæļ• Á;ācæÁsā-^¦^} ØÖÞĒÆU ~ËP[[\ÁÜā] \* Á;ā } æþā; \*Á; æéÁs^Á^&^ãç^åÁ,ācæŠÖÖÁ;[cãæðææā] } ÉÁ
U~ËP[[\ÁÜā] \* Á;ā } æþā; \*Ás^jæjā\* Æs^jo¦^åÁg Ásæ ÅÖð āææÁÚ@}^AÛ] ^æò ^¦Æácæ ¦Á; æéÁs^ÁæÁT ~ ØåÆÞ[¦{æÁ
Üā; \*Á;ā } æþÁ;|ÁsæÁÜā;\*|^ÁÓ∵ ¦• œÁ/[}^Åsæ• ^åÁ;Ás@ÁÛ • ø^{{ Áse• ê ā} } { ^} œðÁ

## CONDITIONS

- ËÁ Y @\$\Á.•ā,\*Áx@ÁÜ]^æ\^¦]@{}^ÉÁxóÁæ{]ËU}Á[}^Ás,Á¦[çãa\^åÁ;ç^¦Áx@ÁÜ]^æ\^¦Ás,Á ||æ&\Á;~Áx@Áæ••ā}^åÁu~ËP[[\ÁÜā,\*Á;ā}æÈÁ
- ÉÁ OBKañgæða \*Ás@ÁÖÞÖÁ; ¦ÁU}^Ë/ð[ ^ÁÖÞÖÁ; |æ&^•Ás@ÁÚæðð] }ÁSJÁÖÞÖÐÁ\*\{ ð]æðð] \*Ásb}^Á U~ÉP[[\Áð] æðð] \*ÉÁ
- ËÁ U~ËP[[\ÁÜā;\*Ánā\*)憕Án^\{ā;æz^Á;@}Ás@ Ásæ)ÁsāÁcē;•¸^\^åĚáz[\¸æ\å^åÉÁ\Á CEaæ)å[}^åĚÁ
- ËÁ V@ ÁÚcæðā} } Á, āļÁ^&^āç^Á¤[¦{ æþÁÚā,\*Á ā}}æþ•Á;||[ ā,\*Á^č¦}ÁţÁā]^Á cæč•ĚÁ

### **OPERATION**

System

 $Q\hat{A} \wedge d\hat{A} \cup -d\hat{B} [ [ \hat{A} \cup \hat{A} \cup \hat{A} \times \hat{A} \cap \hat{A} \times \hat{A} \cap \hat{A} ] \wedge [ accall ] \hat{A} \times \hat{A} \otimes d [ accall ] \hat{A} \times \hat{A} \otimes \hat{A$ 

### **PROGRAMMING**

### Station Data

ÖÞÁT^{ à^¦ÁQÚÕTÁFH€ÁÄZÓŠÒÝÁCDÁSÁ^^Ás^^Æs^^Æs^^Œ#•Á;}Á;æ\*^ CŒ#F Ôæ;]ÁU}ÁO&&^•ÁQÚÕTÁFHHÆÄZÓŠÒÝÅ;DSÁ^^^Æs^Œ#•Á;}Á;æ\*^ CŒ#H

ÚÕT ÆHH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÔŒ ÚÁUÞÁŒÔÔÒÙÙÆËÀ}æà ^Á&æ;]Ë;}Á^æ;¦^È	Ì	€nkÖã æà ^ FnkÖ} æà ^	Ò} æà ^

Ôæ|ÁYæããÁO123&^••ÁÇÚÕTÁFHHÁËÁØŠÒÝÁIDÁSÁ^^Áså^æã‡•Á;}Ájæť^OËËH

ÚÕT ÆHH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
$ \hat{O} \hat{O} \hat{S} \hat{S} \hat{A}' \hat{O} \hat{E} \hat{V} \hat{A} \hat{I} \hat{O} \hat{O} \hat{O} \hat{U} \hat{U} \hat{A} \hat{E} \hat{A}' \hat{A} \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A}' \hat{A} \hat{A} \hat{A}' \hat{A} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A}$		<b>€</b> 1ÁÖã æà ^ F1ÁÒ} æà ^	Ò} æà ^

Chapter 6: Digital Phone

### **HARDWARF**

Digital Phone

# **On-Hook Dialing**

Digital Phones equipped with a Speakerphone can allow Users to place as well as receive calls while the Handset is On-Hook. Once the User activates the Speakerphone by pressing the [SPEAKER] button or Automatic Speaker Select, Dial tone is received and the User may dial the desired number.

### CONDITIONS

- If the Outgoing call is not Answered, the User must press the illuminated [SPEAKER] button to return to Idle.
- When the Speakerphone is used, the Microphone is active unless the [MUTE] button is pressed, and the [MUTE] button LED is On.

### **OPFRATION**

## **Digital Phone**

To activate On-Hook Dialing:

- 1. Press the [SPEAKER] button, and Dial tone is received; the [SPEAKER] button LED will illuminate
- 2. Dial the desired number (ICM number, or select CO/IP path and dial).

### **PROGRAMMING**

### Station Data

Auto Speaker Selection (PGM 121 - FLEX 1) ... see details on page A-24

PGM 121	BTN	RANGE	DEFAULT
AUTO SPKR enables [SPEAKER] activation when a CO/IP, DSS or other feature button is pressed (handsfree).	1	0:Off 1:On	On

## RELATED FEATURES

Mute ... see page 6-13

Speakerphone see page 6-19

Automatic Speaker Select see page 6-4

# Prime Line Immediately/Delayed

- ″Ù^ãã.\*ÁsæÁÔUÐOÚÁŠã.^Á
- "Ôæl|ā, \*Áæ) [c@\¦ÁÛcæaā] }Á
- ″Ø^æc`¦^ÁÔ[å^ÁQæ•Á•^|^&c^åDÁÁ

Ú¦ã ^ÁŠã ^Áæ&&^• Á&æ) Áà^Áà^~ã ^åÁæ KÁ

- ″ Q { ^åãæec^Á.Ár @ }Á, @ }Λ, @ }^Á[^•Áυ~ËP[[\ÊÁs@ Áυ̂•e^{ Á, a||Á, ¦[çãa^Áæ&&^••Áq Ás@ ÁÚ¦ā; ^Á Šā!^ÈÁ
- Ö^|æ^åÁ.Á/@AÛ\cæaā;}Á\\\*^\¦Á,ā|Á^&^āç^Á\@^Á;[¦{ æ\ÁQ;c^\!&[{ ÁÖāæqÁq;}^Á; |Á@Á å^\*ā}}æc^åÁ\!ā;^ÁŠāj^ÁÖ^|æÁZā;^\!Áæg}åÁ,ā|Áæ&&^\*\*Á@Á\!ā;^ÁŠāj^Áq;||[,āj\*ÁZā;^\!Á ^¢]ālæaā}}ÈÁ

## CONDITIONS

- ËÁ Ú¦ã, ^ÁŠā, ^Ás Ásaæ ^åÁ, }ÁÖÞÈÁ
- ËÁ Y @} Ás@ÁW•^¦Áãæ Ás@ÁPæ}å•^oÁ¦Á¸¦^••^•Ás@ÆÜÚÒŒSÒÜæÁsˇcŒ;} ÊÁs@ÁÛ^•¢^{ Á¸ã|Áæ&bÁ æ ÆÁA@ÁW•^¦Á;!^••^åÁs@Á¸¦^Ëå^-ą³,^åÁsããæ Á¸¦ã;¦ÁE¸Á†[ā;\*ÁU~ËP[[\ÈÁ
- ÉÁ QÁc@ÁÚ¦āṭ^ÁŠāţ^ÁÖ^|æêÁVāṭ^¦ÁsēÁ\*!^œœ^!Ás@æţÁŪ;}^Ásāṭ^!ÉÖ^|æê^åÁÚ¦āṭ^ÁŠāţ^Á¸āĮÁ }[œÁœ&cāţæœ^LÁsōÁ¸ā]IÁs^Á¸^&^••æb^ÁṭÁ^å\*&^Ás@^ÁÖ^|æê^åÁÚ¦āṭ^ÁSāţ^ÁVāṭ^!Áṭ!Ár¢æ^}åÁs@^Á ÖãæţÁ[}^Ásāṭ^İÈÁ
- $$\begin{split} & \stackrel{\text{Li}}{\text{EA}} \quad \text{CALI}[\vec{a}_{1} \land \hat{\textbf{AS}}, \hat{\textbf$$

### OPERATION

## **Digital Phone**

To access the Station Prime Line:

ŠãoÁs@ÁPæ)å•^oÁ;¦Á;¦^••Ás@ÁŽÙÚÒCESÒÜæÁà`cq[}LÁæà^Á;[Áæ&cā[}ÁÇæãŒDÃÚ¦ā[^ÁŠā]^Á;ā[ÁæAÁ æ&&^••^åÁæ•Áå^•ā]}ææ^åDÁÁ Differential Ring 6-17

Chapter 6: Digital Phone

### **PROGRAMMING**

### Station Data

Auto Dial Digit (PGM 138 - FLEX 1) ... see details on page A-38

PGM 138	BTN	RANGE	DEFAULT
AUTO DIAL DGT Digits will be dialed automatically.	1	Max 16 digits	-

Auto Dial Pause Time (PGM 138 - FLEX 2) ... see details on page A-38

PGM 138	BTN	RANGE	DEFAULT
AUTO DIAL PAUSE TIME Auto dial pause time.	2	00-30	0

#### RELATED FEATURES

Speakerphone ... see page 6-19

Intercom Call (ICM Call) ... see page 4-2

Station Flexible Buttons ... see page 6-21

## **Differential Ring**

The User can select one of 14 Ring tones so that the MBX IP Phone ring can be distinguished from other nearby phones. Up to 8 Ring tones can be stored in the MBX IP Phone permanent memory; the first 4 tones are fixed, and the other Ring tones can be downloaded from a library of 10 Ring tones stored in the System protected memory.

After downloading a tone from System memory, it can be selected as the Differential Ring Tone.

### CONDITIONS

- The downloadable Ring tone files are stored in System memory as \*.wav files with a maximum length of 4 seconds. These files can be replaced as desired using the Web Upload function.
- Ring tone download is only supported at LIP-series terminals.

#### **OPERATION**

### MBX IP Phone

To download a Ring Tone from System memory:

- FÈ Ú¦^••Ác@AŽÚÕTáÁs cd;}ÈÁ
- QÈ Öãn ÁQ HÁÜ 3 \* Á [ } ^ ÁÖ [ ] } [ æð Á& 1 å ^ ¤ÈÁ
- HÈ Ù^|^8cÁc@^Ás^•ā^åā\Üā,\*Á[}^Á[8ææā]}ÁQÉĒDĚÁ
- IÈ Ù^|^&oÁ;@ ÁÜā; \*Á[ ˇ l&^Á •ā; \*Á;@ ÁŽXUŠÁNÚáĐŽXUŠÁÖUY ÞáÁ ^^ •Áæ; åÁ; l^••Á;@ Á ŽÙÒŠÒÔVáÁà ˙ cff }Á; lÁåãæ;Áó@ Áæ; ] l[ ] lãæ; Áā; \*Á; { à^lÁ; Á^/\&dĚA
- ÍÈY@A^Áãrơ}ā;\*ÁgÁ;`•æ£ÁÄÄÖææÁFÁgÁ;æç^Ás@Á^|^&c^åÁ;`•æAÁ[`¦&^ÁÄÖææÁGÁgÁ;Á^c'|}Á ]¦^çā;\*•Áxơ]ÈÁ

### To select the downloaded Ring Tone:

- FÈ Ú¦^••Ás@·ÁŽÚÕTáÁsčc[}ÉÁ
- CÈ Öã¢ÁCFÁCQ c° \8 { ÁÜ ā \* Á\$ } ^ DÉÁ \ÁCCÁCÔ U ĐÔÚÁÜ ā \* Á\$ } ^ DÉÁ
- HÈ Ú¦^••Áo@ ÁŽU SáÁ [~Áà čq[}Áį¦Áã¢^åÁà čq[}ÉÁ
- IÈ Öãæ Áx@ Á&^•ã ^åÁÜã, \*Áy } ^Á&ãããÁ ÇÊ ĐẾÁ ĐÁ LÁÚ¦ ^••Áx@ ÁĞÚ OEX Ò ÁS° co; }ĐÁ

### **RELATED FEATURES**

Öã-^\^} cãæ ÁÜã \* Áō Á ^^Á æ\* ^ HĒ H

# **Saved Number Redial (SNR)**

V@ÁŠæroÁÖãæh^åÁ,`{ à^¦Áį}ÁæÁÔUEDDÁÔæhÁ, æêÁà^Árq[¦^åÁÇ]ÁQÁðā ãr DÁBÁæÁà`~^¦ÁQ¦Á;č¦Á`č¦^ÁÜ\åãæþĚÁV@æÁ,`{ à^¦ÁæÁà`~^¦ÁQ¦Á°, á¸`{ à^¦ÆÁà ãæp^åÁBÁ, Ḡ( ¦^Á) æðÁ@ÁVÞ^¦Áqť¦^•ÁæÁ, Á¸ ( à^¦ĚÁÞ`{ à^¦•Ásæ¢håÁ, Á¸ ( à^¦ÉÁÁ) æç^åÆÅ, Á¸ ( à^¦ÁÜAåãæþÅå)ÞÜDÁà`~^¦ÈÁ

### CONDITIONS

- ËÁ V@ ÁÙÞÜÁ&æ)Áà∧ÁæÁ,æ¢ãį ઁ{Á,√ÁGIÁåããærÈÁ
- ÉÁ Ö㢢jā \*Ás@ÁÜÞÜÁ, āļÁsě ([{ ææã8æ¢ļ^Ár^ã^Ás@ÁÖÞÁs@æóÁ, æ•Á•^åÁ[¦Ás@Á[¦átājæ¢Ásæ¢]ÈÁsQÁ c@ÁÖÞÁsÁ•^åÁs^Ásè][c@¦ÁÛææā]}Êásě ([{ ææã8æ¢]^ÁÚ;ā]^ÁÖÞÁ, āļÁsr^Ár^|&&°åÁsè}åÁsæ;^åÈÁ
- ËÁ ÙÞÜÁs Á æç^åÁs Á,^¦{ æ}^}oÁ, ^{ [¦^ÊÁ;|[ơ^&ơ^åÁ;[{ Á,[ ^¦Áæā]`¦^ÈÁ
- ËÁ Tæ) \*æ||^Ásiāædā, \*ÁseÁO|æ•@Ás`¦ā, \*ÁseÁÔUÁsæd|Á,ā|Ásæě•^Ás}||^Ás@,•^Ásiā\*āæ•Ásee^¦Ás@ÁO|æ•@Ás;Á à^Ás[¦^åÁse)åÁ^Ëåãæd^åÁse ÁsœÁUÞÜĚÁ

Speakerphone 6-19

Chapter 6: Digital Phone

### **OPFRATION**

### **Digital Phone**

To save a Dialed number, while on a CO/IP Call:

After dialing, but before hanging up, press the [SPEED] button twice; the dialed number will be stored in the SNR buffer.

To dial a Saved number:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Press the [SPEED] button.
- 3. Dial #.

### RELATED FEATURES

```
Station Speed Dial ... see page 3-147
System Speed Dial ... see page 3-150
Last Number Redial (LNR) ... see page 3-110
```

#### HARDWARF

Digital Phone

# **Speakerphone**

Digital Phones equipped with a Speakerphone can use the telephone hands-free in two-way conversations.

### CONDITIONS

- If Automatic Speaker Select is enabled at the Station, pressing a DSS, DN, CO Line Access Code or Speed Dial button will automatically activate the Speakerphone.
- The [MUTE] button LED indicates the status of the Microphone, when lit the Microphone is inactive.
- When Group Listen is enabled, pressing the [SPEAKER] button while using the handset will send audio to both the Handset and Speaker. However, only the Handset microphone will be active; in order to activate the Speakerphone Microphone, the Handset must be On-Hook.
- Each Digital Phone equipped with Speakerphone is allowed/denied Speakerphone operation based on System Database Admin. Programming.
- When Headset operation is assigned for the Station, the Speakerphone is disabled and the [SPEAKER] button activates the Headset audio path instead of the Speaker.

Chapter 6: Digital Phone

### **OPFRATION**

### **Digital Phone**

To activate the Speakerphone:

 $Y @ A \hat{A} > A \hat{A} \hat{A} \otimes \hat{A} = A \hat{A} \otimes \hat{A} = A \hat{A} \otimes \hat{A}$ 

To switch from Handset to Speakerphone:

To terminate a Speakerphone call:

Y @\$\^\tilde{h}} \\delta \alpha \tilde{h} \alpha \tilde{h} \alpha \tilde{h} \tilde{h} \alpha \tilde{h} \alpha \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alpha \tilde{h} \alpha \alph

### **PROGRAMMING**

### Station Data

P^æå•^œíuā \* ÁQÚÕT ÁFGFÆÆØŠÒÝÁHDÁS Á\^^Á æ\* ^ OHÜ

ÚÕT ÆGF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
PÒŒÜÙÒVÁÜ ŒPŐÆŒÄŊÁP^æå•^oÁ;[å^ŒÁæðáæó{áco}{Á •^ ^&c•Ás^çæð^ÁqÁó8^æý^Ág&[{ā]*Á;ā]*Á;ā}æ•ÆŒÁ Ù]^æa^¦ÊEP^æå•^oÁ;¦ÁÓ[œŒ	Н	€ KŮ] ^æ\^¦ FKP^æå•^αÁ G-Ó[α@	Ù] ^æ\^¦

## P^æå•^œ́T [å^ÁQÚÕT ÁFGFÁÄÁØŠÒÝÁGDÁS Ár^^Ájæ\*^ OËG

ÚÕT ÆGF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
PÒŒÜÙÒVÁTUÖÒÆŒÁ^ ^&•AÛ]^æ\^\]@[}^Á[å^ÉA P^æå•^oÁ[å^Á;\ÁÒæ\ÁTæKÁT[å^È	G	ĐƯ]^æ\^¦ FKP^æå•^oÁ GYÒË ØÔ	Ù] ^æ\^¦

### RELATED FEATURES

T ° c^ Ás Á ^ ^ Á æ\* ^ Î #H

Ő¦[ˇ]ÁŠãơ^}ậ,\*ÁŏÁ^^Á;æ\*^ÎЁF€

OE d[{ ææã&ÁÙ]^æ\^¦ÁÛ^|^&øÁ\$ Á\^^Á;æ\*^Î Ë

 $\tilde{O}^{\Lambda}_{\Lambda} = \tilde{A} = \tilde{A} = \tilde{A} + \tilde{A} = \tilde{A} + \tilde{A} = \tilde{A} + \tilde{A} = \tilde{A} + \tilde{A} =$ 

Station Flexible Buttons 6-21

Chapter 6: Digital Phone

### Station Flexible Buttons

The Digital Phone incorporates a field of Flex buttons as well as the Fixed Feature buttons. The Flex buttons are assigned in the System database to access features, functions and resources of the System. Specifically, Flex buttons can be assigned as:

- Empty button No system database assignment.
- {DSS} button used to place One-touch ICM calls to a designated Station and display Station status.
- A Flex Numbering Plan, button activates the feature associated with the assigned digits from the Flexible Numbering Plan.
- A DN Flex button accesses and dials the assigned number.
- An External Telephone Number including CO Access Code to make external call.
- A CO Line Appearance button provides access to the individual CO Line assigned to the Flex button. The CO Line button LED provides the status of the CO Line.
- Fixed button activates the feature associated with the fixed button

With the exception of CO Line buttons, Flex buttons can be assigned at the station by the end-user. If allowed in the database, the user can also assign or reassign CO Line buttons.

### CONDITIONS

- Fixed button programming is supported when the Phone does not already have the same Fixed button.
- If a Fixed button or Dial Number button is set to not allow User modification according to Admin. Programming, the User cannot change the button.
- DN button can be assigned or changed by Admin. Programming. The station can only change the ring option of DN button.

### **OPERATION**

### Digital Phone

To assign a Flex button at the station:

- 1. Press the [PGM] button.
- Press the desired Flex button.
- 3. Select the type. 1: Telephone number or Feature code. 2: Fixed Button. 0: Delete.
- Select the desired button type using the [VOL UP]/[VOL DOWN] key to assign a Fixed button.

OR

5. Dial the desired number to create the Telephone number button.

ÎÈ Ú¦^∙∙Áo@ ÁÃÙOEXÒáÁa`oo[}ÈÁÁ

To change the ring option of DN button:

FÈ Ú¦^••Ás@AŽÚÕTáÁa`cd;}ÈÁ

Œ Ú¦^••Ás@Áå^•ã^åÁÖÞÁØ|^¢Áà cd{}ÈÁ

HÈ Öã ĐÁF QÁ LÁE ĐÁ THÁQ { ^ åã ĐE ÁU Ã \* ÁTÁ EKÁP [ÁU Ã \* Á

IÈ Ú¦^••Ás@•ÁÃÙOEXÒáÁs° cd; }ÈÁ

### **PROGRAMMING**

Numbering Plan

 $Q/\phi$ â  $A/\phi$ 

Station Data

 $\dot{U}_{c}(x) = \dot{A}_{c}(x) +$ 

### RELATED FEATURES

Ø|^¢ãa|^Áp~{ à^¦ā, \*ÁÚ|æ, Áō Á,^^Á, æ\*^ HËJÏ

### **HARDWARE**

Öðt áðædÁÚ@ } ^ÁÁ

## **Station Flexible LED Flash Rates**

V@ÁQ|æ@ÁÜ|ææ^•Á•^åÁ¸ãr@Á@Áçæðā[`•ÁQ|^¢Ási`cq[}•Á;}Ás@ÁÖðiāææÁÚ@[}^ÁsæðiÁs^ÁsæðiĎ•c°åÁ [}ÁsæÁU^•c^{ ˸ãs^ÁsæðiáAsæðiáAsæði¦åðj\*ÁqíÁÖ°•q[{ ^\Á,^^å•ÈÁM)ÁqíÁiÁsã-^\^}cÁ`}&cði}}•ÁsæðiÁs^Á æ•ði}}^åÁ-[{ Á;-ÁríÁsã-^\^}cÁQ|æðiUæe^•ÈÁ

### CONDITIONS

ÉÁ Oliçæaqlæaà|^Áro|æ•@Áææ^•Áæa}åÁ`}&aqi}•ÉÁ, @an&@Ásæ)Áa^Áæ••â\*}^åÊÁæ⇔^Á\*ãç^}Ág,Ás@∘ÁOEå{ā,ÁsÁ Ú¦[\*¦æq{ā,\*Áræ)`æa)EÁ

### **OPERATION**

System

### **PROGRAMMING**

System Data

LED Data (PGM 234) ... see details on page A-95

Station Data

Station Flexible Button (PGM 126) ... see details on page A-29

### **HARDWARE**

Digital Phone

# Station ICLID Call Routing

The Station can employ Incoming Calling Line ID (ICLID) to determine appropriate routing for Incoming External Calls.

### CONDITIONS

- If the received ICLID does not match an entry in the Station ICLID List, the Station will receive CO/IP Line Ringing.
- This feature applies to all digital and analog CO Lines.
- The ICLID received from the CO/IP Line must be a telephone number to match a station ICLID List.
- Each Station can have 10 ICLID numbers individually.

### **OPERATION**

#### Digital Phone

To assign ICLID at the Station:

- 1. Press [PGM] button and Dial 71, then the empty ICLID bin automatically will be allocated.
- Enter ICLID and press [SAVE] button.
- Enter the Routing Destination, and press the [SAVE] button.

NOTE: Routing Destination can be a Station number, Hunt Group number or VMIB Forward code.

To view the assigned ICLID at the Station:

- 1. Press [PGM] button and dial 72; ICLID information is displayed.
- Press [VOLUMN UP/DOWN] to view the ICLID List.

Chapter 6: Digital Phone

To delete the assigned ICLID on the Station:

FÈ Ú¦^•• ÁĞÚÕT ÁÁBÌ œ[} ÁÐ åÁÖãæþÁ GLÁQÔŠQÖÁŞ -[ |{ ææā[} Áæ ÁBã] |æê ^åÁ

HÈ Ú¦^•• ÁŽÙÚÒÒÖ ÁÁà cơ } LÁS[ } -ā{ ææā; } Á; } ^Á, ā|Áà^Á; \^•^} & åÈÁ

IÈ Öã dÁFÁÇÖ^|^c^DĚÁ

# **Station User Programming & 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 language for the display	00-14
16	LCD Date Mode Change	DD/MM/YY or MMDDYY
17	LCD Time Mode Change	12 Hour/24 Hour
18	Set Backlight	0-3
21	ICM Ring Type	-
22	TRK 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	Activate a mobile phone	X =1-2
52 + x	Register the mobile number	X =1-2

USER PGM CODE	DESCRIPTION	REMARK
Í HÁÉÁ¢Á	Ü^*ãrơ\¦Án@A([àãp^ÁÔŠŒÁ)ˇ{à^¦Á	ÝMFËCÁ
ÍIÁÉÁÜ{ÁBÁCEc@ÁÔ[å^Á	Ùædómædő[}-AÜ[[{ Á	Ë
ÍÍÁÉÁÜ{ÁBÁŒc@ÁÔ[å^Á	Ô [•^ÁæÁÔ[}-ÁÜ[[{ Á	Ë
ÎFÁ	Ù]^æ\^¦EP^æå•^oAT[å^Á	Ù]^æ\pP^æ\•^o\d\d
Î GÁ	P^æå•^oÁÜậ,*ÁT[å^Á	Ù]^æ\^¦EP^æ&•^dEÓ[d@Á
ΪFÁ	Ü^*ã¢\ÁÛæaá}}ÁÔŠÖÁ	Ë
ΪGÁ	Xan, Áúcæaj }ÁOÓŠOÖÁ	Ë
ÌFÁ	Xan`, ÁnÓUÁOEåå¦^••ÁÁ	QÚÁÚQQ}^ÐÁÖVQTÐÙŠVTÁ
ì GÁ	Xan`,Ára&ÁOEåå¦^∙∙Á	QÚÁÚQQ}^ĐÁÖVQTÐÙŠVTÁ
ÌHÁ	Xa^,ÁnÓÁÚ@(}^Áş^¦•ã[}Á	Ë
Ì€Á	Þ^ç [¦\ÁÙ^œãj*Á	ŠŒJÂÛ^¦ā%•Á
JFÁ	Ù^•♂{ ÁX^¦•ã}}Á	Ë
JGÁ	Ù^•♂{ÁŒÁÅ!^••Á	Ë

### **DECT Program Code Chart**

USER PGM CODE	DESCRIPTION	REMARK
FGÁÉÁÞæ{^Á	W•^¦Ájæ{^Á&¦^æaa[}}Á	GÁS ã à Á ¦Á Æ Á Æ Á Æ Á
FHÁÉÁcã ^Á	Ù^ơḥ́æà^Ë]Áæþæb{Ánã[^Á	PPÐ { ÉÁGI ËQI ¸ ˈÁ&I[ & Á
FI Á	Ôæ) &^ Áv æ\^Ë] ÁŒ;æ{ Á	Ë
FÍ Á	Ù^ơÁæ);**æ*^Á[¦Ás@•Á‱ãa] æêÁ	€€ËFIÁ
HFÁ	V^{ ][¦æj^ÁÔUÙÁ	Œ œ́Ô[ å^Á
HGÁ	Ü^dā^ç^ÁÔUÙÁ	Œ c@ÍÔ[ å^Á
HHÁ	ÔU ÙÁU ç^!   ãã^ÁÇY æ \ ã; * ÁÔU Ù DÁ	Œ œĤÔ[ å^Á
ΗÁ	Ü^*ão^¦ÁÚæ•¸[¦åÁ	Ë
IFÁÉÁTÙÕÁ,`{à^¦Ã㢢áÁ	Ù^œŰ¦^Ëå^-₄}^åÁT^••æ⁴^Á	€ËJÉÄT ÙŐÁETÁN I ^¦ÁÔˇ• ﴿{ÁĤÁ Ö^æ&añçænā[}Á
I GÁ	Ô¦^æe^ÁæÁÚææãi}ÁW•^¦ÁT^••æ*^Á	Ë
ÍFÁÉÁ¢Á	OBScāçæe^ÁseÁ([àã¦^Á)(@[}^Á	¢MÁFÁ GÁ
Í GÁÉÁ¢Á	Ü^*ãc^¦Ás@Á;[àã^Á,`{à^¦Á	¢MÆÁ GÁ

April 2012

USER PGM CODE	DESCRIPTION	REMARK
53 + x	Register the mobile CLI number	X = 1-2
54 + Rm & Auth Code	Start a Conf Room	-
55 + Rm & Auth Code	Close a Conf Room	-
71	Register Station ICLID	-
72	View Station ICLID	-
91	System Version	-
92	System IP Address	-

Additionally, a Station User Program Menu display is provided on the Phone display to assist the User in setting the Station User Program Code Features and Functions. The [VOL UP]/[VOL DOWN] buttons are used to scroll through the Menu items and the Dial Pad is used to enter a selection.

#### **OPERATION**

### Digital Phone

To activate a Station User Program Code Feature or Function:

- 1. Press the [PGM] button, the Station User Program Menu is displayed.
- Use the [VOL UP]/[VOL DOWN] to display the desired menu item.
- 3. Dial the desired Station User Program Code and additional entries as required

# **Two-Way Record**

A Digital Phone User can record any active conversation to the Station User's Internal/External Mailbox or to a Phontage Hard Disk drive or UCS Client (where applicable). A {RECORD} button must be assigned to access this feature and record Normal Incoming/Outgoing Calls.

### CONDITIONS

- The {RECORD} button LED will flash at 120 ipm while recording.
- Two-Way Recording feature is a manual recording, while the feature Call Recording is an automatic recording method.
- This feature is available when using the VMIB, Feature Server, or an external AA/VM, using SMDI communications mode. When an external AA/VM system uses in-band (DTMF) mode, Two-Way Record is not available.

- ËÁ W 3 \* ÁO^æč | ^ ÁÙ^ | ç^ | Á| | ÁXT ÓDÉO C | } æ|ÁOæ| ÁSæ) ÁS^Á^&[ | å^å Áæ Á ^ ||Áæ ÁO¢C | } æ|Á Ôæ| • ÈÁ
- ÉÁ QÁSÁÖ^• cā; æzā; } Á[ ¦Á^8[ ¦åā; \*Ás Á; [ óÁs^-ā; ^åÁ[ ¦Ás@ ÁÜÒÔUÜÖÞÁs` ca[ } ÊÁs@ ÁÔæ|ÁÜ^8[ ¦åÁ Ö^• cā; æzā; } Ás^-ā; ^åÆs Á\{ ] |[ ^^åÉÁ
- EÁ Ô[}~\^}&^ÁÔæ|ÆAÁ[œÁ\*]][¦c^åÁ;¦Á;[¦^Ás@æ)ÁŒ;ædæð•È
- ËÁ Y @}Á^&[¦åā]\*ÁnœdonĒÁo@Á•^¦Á@æd•Ás¸[Ë;æÂ^&[¦åÁ;æd}ā]\*Ás[}^ÈV@áÁs[}^ÁsA å^-aj^åÁs^}æd;oÁs[}^Áææði|^Áææði|MÃSZ,[ËVæðÁÜ^&[¦åÁVæd}ā]\*Ás[}^ÆÈ

### **OPERATION**

### Digital Phone

To assign a flexible button as a {RECORD} button:

Ú¦^••ÁZÚÕT áÆÁ,ØŠÒݤÆÁÓ°œ[}ÁØ^æĕ¦^Á/^]^QFDÆÁ,V¸[ËYæÂÜ/^&[¦åÁØ^æĕ¦^ÁÔ[å^¤ÆÁ ŽÙOXÒÁÁ

To activate Two-Way Record:

FÈ Y @ A^Á } Á A Á A Á A Á A Á A Á A Á CÁT A Á DU ĐÓ JÁÔ A HÍ Á L'^ • A Á @ Á Ü Ò Ô U Ü Ö ÞÁ Č C } ÈÁ

CÈ V@ ÁÜ^&[¦åÁq[}^Á, āļÁa^Á@ æååÉÃj;![{] cāj\*Ás@ ÁÚæb cāð•Áq}Ás@ ÁÔæţlÁs@æsÁ^&[¦åāj\*Á@æ•Á à^\*\*}ÈÁ

NOTE: Vị Á; æ) æ\* ^Á/^&[ ¦åã \* • ÉÁ; ||[ ¸Ás@ Á; |[ &^å` ¦^• Á; ˇdã, ^åÆ; Ás@ ÁÚ@} } ææ\* ^Á; ¦ÁNÔÙÁ Ôlæ} œÁV•^¦ÁÕˇ æã^ ÉÁ

To stop Two-Way Record:

OR

GÈ Pæ),\*Ë]ÊÁæ),åÁn^č¦}Áq[Áãa,|^ÈÁÁ

### **PROGRAMMING**

### Station

OE q ÁÜ^8[¦åÁÙ^¦çã&^ÁQÚÕTÁFIÍÁËÁÓ;ÁHDÁSÁ^^Áå^œã‡•Á;}Á;æ≛^ O⊞ €

ÚÕT ÆTI Í	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
CEWU EÜÒÔU ÜÖÁÙÒÜ X ⑥ ÒÁ莊Á ^ ◇ ¦ { 勇 ^ ● / Á · ▲ · △ ¦ Á &æ) Á ^ & [ ¦ å Áæ · & [ } ç ^ ! • ææ [ } Å ; ã c @ h · ] [ c @ ·   Á · △ ·   Á ⑤ (引 · ৫   } æ   Þ · ¢ · ¢ ·   } æ   DÁŠOÁ · △ · Å Å ; ã c @ · o · · · · · · · · · · · · · · · · ·	Н	<b>€ΛάÖ</b> ã æà  ^ FΛΑΌ} æà  ^Á	Öãræaà ^

6-29

### Two-way Record Access (PGM 145 - Btn 4) ... see details on page A-40

PGM 145	BTN	RANGE	DEFAULT
TWO WAY RECORD ACCESS when allowed, the station can activate the Two-way record feature to record a conversation.	4	0:Disable 1:Enable	Disable

### Two-way Record Device (PGM 145 - Btn 5) ... see details on page A-40

PGM 145	BTN	RANGE	DEFAULT
TWO-WAY RECORD DEVICE 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.	5	-	VM Boards

### System

### Tone Table (PGM 290) ... see details on page A-133

PGM 290	BTN	RANGE	DEFAULT
TONE TYPE Designates the Tone type.	1	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	01: Normal Tone
TONE TIME Determines the amount of time tone is provided.	2	1-600	10
TONE PORT Tone port index of PGM 264. The cadence of tone port may be changed by using Web-Admin.	3	1-19	-
PROMPT/ANNC NO The VMIB Prompt or Announcement number when tone type is VMIB Prompt or announcement.	4	1-255	-

Chapter 6: Digital Phone

ÚÕT ÆJ€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÚÜUTÚVÐÐÞÞÔÁÜÚVÁĒÁV@ÁXTÓÓÁÚ¦[{] dÁ,¦Á CE;}[*}&^{^}dÑ^]^ædÁ*{à^¦Á;@}Áe;}^Áe;]^Áe;Á XTÓÓÁÚ¦[{] dÁ,¦Áæ}}[*}&^{^}dÈ	ĺ	€Ё€€	F
ÚÜUTÚVÐÐÞÞÓÁÐÞVXŠÁËËV@ÁXTÓÓÁÚ¦[{] oÁ;¦Á O;}[*}&^{^}óÄU^]^æásjo^¦çæþÁ;@}ÁxTÓÓÁ Ú¦[{]oÁ;¦Áæj}[*}&^{^}òËÜ^]^ææásiÁæ••ã;}^åÈ	Î	€Ё€€	€

# **Answering Machine Emulation (AME)**

Y @ } Áş c^ | } ædá, | Ár¢c^ | } ædá&æd) • Áæd^Á; | ; ædå^å Áş ÁXT ÓDÉÓs@ Á • ^ | Ásæð Ásæð Ásæð å Á@ædá æg^å Á { ^••æt^• Áæð å Áæd• [ Ásæð Ár 8] | lå Ás@ Ásæd ÉÁ • ð \* Ás@ ÁT ` c^ ¤Ás` cq } ÈÁDET ÒÁræč | ^ Ásæ• ÆŠÒÖÁÓ Jð \ ð \* Á { [ å^Áæð å ÁÚ] ^ æð ^ | Ár ^ æðð \* Á; [ å^ÉÁ @ Ár ^ | Åsæð Á; [ \* | æð Ásæð Á; CET Ò¤Ás` cq } Áş Áæd4/^ ¢Ás` cq } Á . @BS@Á ð JÁæd [ . Ás@ { Ág Áæð• ð ð ÁDET ÒÁ; [ å^Á; ásæðæð Ás` cq } ÈÁ

- ŠÒÖÁÓ | ā | ā \* ÁT [ å ^ Á Á Ø ] ÁæÁSæ | Áæ ÁL | a då ^ å ÁL ÁKT ØÐÊSØ Á,OET ÒÞÁSÖÖ ÁS Œ [ } Á, ā | Á à | ā | Á kæ Á [ aæða Á æða Á æða Á æða Á æða Á æða ÁSE] } ç ^ | æða } ÁS ^ Á, | ^ • ā \* ÁsØ Á ,OET ÒÞÁS Œ [ } EÁ
- ´´ Ù]^æà^¦ÁP^æáā;\*ÁT[å^Á ÁY @}ÁæÁsæd|ÆáÁ[;] æåå^åÁ[ÁKT ΦÉsæ)Áa]^æà^¦Á æč q{ææ3sæd|^Á¸á]Æá^Á;]^}ÁqÁæækÁæækÆæd|ā;\*Á¸æċÈV@Á•^¦Æææ)Ææ¢°}ÁqækÆæd|ÉAæç^Á ãæÉ,¦Á¸æNË]ÁœÆsæd|Áa^Á;¦^••ā;\*ÁœÁ;ŒFÒæÁačq[}Áq;¦Á;T袿Áačq[}ÉÁ

### CONDITIONS

ËÁ XTOÓÁOE&A∿••ÁA°æc°¦^Á@æeÁq[Áa^ÁUÞÁÇ}}æàa|^åD

ËÁ CETÒÁO~`}&oā[}Á¸ā|Ás^Áncæckó¸@^}ÁXTOÓÁO[¦¸æchåÁ^æc\*¦^ÁseÁ^odÉÁ

### **OPFRATION**

### Digital Phone

To assign a flexible button as {AME }:

To assign LED Blinking Mode:

Ú¦^••Áx@^Á;OETÒ¤Ás~cq[}ÉXGEÄÚ¦^••ÁFÁÇŠÒÖÁÓ|ā;\ā;\*ÁT[å^DÈÁ

### To assign Speaker Hearing Mode:

Press the {AME} button. 2. Press 2 (Speaker Hearing Mode)

### To Delete AME Feature:

- 1. Press the {AME} button.
- 2. Press 0 (Disable)

### To Answer a call in LED Blinking Mode:

- When a call has been forwarded to VMIB, the {AME} Button will blink.
- 2. Press {AME} button to go to Speaker Hearing mode.
- Press (AME) button to communicate without saving conversation, OR
- 4. Press {Mute} Button to communicate with saving conversation

### To Answer a call in Speaker Hearing Mode:

1. When a call is forwarded to VMIB, press the {AME} button to communicate without saving conversation,

OR

2. Press {Mute} Button to communicate while saving the conversation.

### **PROGRAMMING**

### Station

VMIB Access (PGM 145 - FLEX 1) ... see details on page A-40

PGM 145	BTN	RANGE	DEFAULT
VMIB ACCESS Permits station access to VMIB.	1	0: Disable 1: Enable	Disable

### **HARDWARE**

Digital Phone

VMIB, Feature Server or External SMDI based AA/VM system

Phontage or UCS Client

Chapter 6: Digital Phone

## **Voice Over**

### CONDITIONS

ËÁ V@^ÁÜ^&^ãçāj\*ÁÛcææāj}Á,í\*•oÁs^Áj¦[\*¦æ{{^åÁq[Áæ||[,ÁUPXUÁ&æ||•ÈÁ

### **OPFRATION**

### **Digital Phone**

Placing a Voice Over (OHVO) while receiving a Busy signal:

ŒÙ Ú¦^••ÁæÁ;¦^Ë;| \*¦æ{ { ^åÁUPXU¤Áà čæ{ } ÈÁ

HÈ O Eơ \ Á 500 Á 1 | æ 0 Á 1 } / Æ Á 00 æ å Ê Á 1 \* ¾ Áæ } [ \* } & { ^ } d É Á

Responding to a Voice Over announcement:

### **PROGRAMMING**

#### Station Data

X[ & \$\delta() \cdot \delta()

ÚÕT ÆHH	ÓVÞ	ÜŒÕÕ	ÖÖØŒVŠV
XU QÔÒÁU XÒÜÁDEÔÔÒÙÙÁEEÁN}æà ^Áş[&R^Á;ç^¦Á ^æc`¦^È	J	€1ÁÖã æà  ^ F1ÁÒ} æà  ^	Öãaæà ^

System Data Intercom Busy One-Digit Service (PGM 237) ... see details on page A-101

PGM 237	BTN	RANGE	DEFAULT
STEP CALL determines if Step Call is enabled or disabled.	1	0: Disable 1: Enable	Disable
DIGIT 1 when accessing a busy tone, User may dial for one of the one-touch services.	2		0: N/A
DIGIT 2	3		
DIGIT 3	4	0: N/A 1: Call-Back 2: Camp On	
DIGIT 4	5		
DIGIT 5	6		
DIGIT 6	7	3: Call Wait 4: Voice Over	
DIGIT 7	8	5: Intrusion	
DIGIT 8	9	6: Hunt	
DIGIT 9	10		
DIGIT 0	11		
DIGIT *	12		Call Wait
DIGIT#	13		Voice-Over

### **HARDWARE**

Digital Phone

Chapter 6: Digital Phone

Attendant Group

Chapter 7: Attendants

7-1

### Chapter 7

## **Attendants**

# **Attendant Group**

The System can have an Attendant Group (up to 5 Attendants) per Tenant. Each Attendant position must be equipped with a multi-button Phone and may include multiple DSS Consoles.

There are 2 different destinations to cover Attendant duties in a Tenant as follows:

- Night Attendant Group Can be assigned as Hunt Group and covers Attendant Calls when all Attendants in a Tenant are in {DND}.status or the System is in Night Ring mode.
- Forward Destination This can be assigned as Station/Hunt Group/Telephone
  Number and it covers Attendant Call according to the Forward type of the Attendant
  group.

### CONDITION

- The first Attendant (System Attendant) is assigned as Station 100 (default), and others are not assigned.
- Attendant Calls (using the Attendant Call Code) is routed to first available Attendant according to Attendant Group Type (Terminal/Circular/Ring/Longest idle).
- A member in Attendant Group can use all DN features.
- If a member in the Attendant Group sets DND/FWD/Preselected Msg., Attendant Call will not be received.
- LIP/Digital/LDP series set for SADN-type can be assigned as the member of an Attendant Group.
- The Tenant of an Attendant member should be the same as Attendant Group.

### **OPERATION**

If set, Attendant Group operation is automatic.

### **PROGRAMMING**

Tenant Data

## $C_{\overline{CC}}^{\lambda} \stackrel{a}{=} O_{\overline{C}}^{\lambda} \stackrel{a}{=} O_{\overline{C$

ÚÕT ÁGÏ €	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
O5/VÖÁÕÜÁVŸÚÒÁŒÄÖ^-4}^•Ás@Ás]^Á;-ÁŒcc^}åæ)oÁt¦[ˇ]È	F	€nÁv^¦{ ājæ} FnÁÖā&` æ\$ GnÁÜāj* HnÁŠ[}*^•αÁGa ^	€
O5/VÖÁŐÜÁ>OETÒÁEÄÖ^-¾, ^•Ás@ Á, æ( ^Á( Ásesc^) åæ) o⁴( '[ ˇ ] È	G	Tæ¢Á√rî	Ë
ÔUÁQE/ÖÁÞWTÓÒÜÁEÄÖ^-4j, ^• Áæz^} åæj ó%ea‡jÁj`{ à^¦Áj; ¦ÁÔUÁjā,^È	Н	Tæ¢Á	Ë
T ÒT ÓÒÜÁCEJŐÁEÄCE• ã}•Árcæáa}}•Áæ•Ár ^{ à^¦•Ár-Áæ)ÁCccc^}åæ)cÁ *¦[ˇ]È	I	Ë	Øã•oÁÙcæcã[}

## $Ofce^{\delta} \stackrel{\text{de}}{=} ofO^{\dagger}[\stackrel{\text{de}}{=} 1] \stackrel{\text{de}}{=} 1] \stackrel{\text{d$

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ÕÜÒÒVŒÕÁYŸÚÒÆŒÖO^&¦{ ā¸^•Ás@Ác]^Á¸ÆÕ¦^^æ¸*Á[}^Á q Æs^Á•^åÈ	F	FHÁP[:{ a‡Á GHÁÚ:[{]c HHÁŒ;}& IHÁŒ•VÁT UP ÎHÁXT ŒÓÁT UPF ÏHÁXT ŒÓÁT UPF ÏHÁXT ŒÓÁT UPH JHÁXT ŒÓÁT UPH FHHŮŠVÁT UPG FGHŮŠVÁT UPG FGHŮŠVÁT UPG FGHŮŠVÁT UPH FHHŮŠVÁT UPH	FMAP[¦{æ∳
ÕÜÒÒVOD•ÕÁÚŠOË"ÁEËÄÖ^¢¦{ā}^•Ás@ÁÕ¦^^æ]*ÁÚ æÂáā, ^È	G	€€€ËFÌ €ÁÇI^&D	€€€
ÕÜÒÒVΦÕÁVUÞÒÁÞUÆŒÖ^&¦{ ှa^•Á@ÁÕ¦^^ಡ]*Á[}^Á }`{ à^!Á, @}Á;!^^ಡ}*Ác]^ÆnÁ^めÉ,Áp[¦{ ạ‡È	Н	€FËJ	€
ÕÜÒÒVŒŀÕÁÚÜUTÚVÐÐÞÞÔÁŒÖÓ^&¦{ā,^•Ás@ÁÕ¦^æ;*Á Ú¦[{]æÁŒ;}[~}&^Áp~{à^¦Á,@}ÁÕ¦^^æ;*Á/^]^ÆsÁr^ǽ£Á Ú¦[{]æÁ;¦ÁŒ;}[~}&^È	I	€EFİĞİ	Þ[ ðÍŒ*
ÕÜÒÒVŒ ÕÄÜÒÚÒŒ/ÁPUÆÄÄÖ^ơ¦{ ∄^•Á@Á; { à^¦Á;-Áã; ^•Á œÃÖ¦^^æ;*Á; ∄Á^]^æÈ	ĺ	€€€ÏF€€	Н

PGM 271	BTN	RANGE	DEFAULT
GREETING RPT DELAY Determines the length of time the timer will pause before the greeting is repeated.	6	000-100 (seconds)	0
QUEUING TYPE Determines the type of Queuing Tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
QUEUING TIMER Determines the Greeting/Queuing Timeout Timer.	8	010-300 (sec)	030
QUEUING TONE NO Determines the Queuing Tone number used when Queuing Type is set to Normal.	9	01-19	00
QUEUING PROMPT ANNC Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	10	001-255	Not Asg
QUEUING REPEAT NO determines the Queuing Repeat number.	11	000-100	3
GREETING RPT DELAY Determines the Pause Timer before Queuing is repeated.	12	000-100 (seconds)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0

ÚÕT Æ F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÙÒÔUÞÖÁÛÈÁYŸÚÒÁËÉÁV@áÁr}d^Áa^-4}^•Ás@Ár}^Á;-Ár^&{}åÁ ~`^* #*Á{}^È	FI	FKÁP[¦{ æḥÁ GKÁܦ[{]c HKÁCĒ}}& IKÁCĒVÁT UP ÍKÁXT CÓÁT UPF ÏKÁXT CÓÁT UPF ÏKÁXT CÓÁT UPH JKÁXT CÓÁT UPH JKÁXT CÓÁT UPF FFKÁÜŠVÁT UPF FFKÁÜŠVÁT UPF FFKÁÜŠVÁT UPH FHKÁÜŠVÁT UPH FHKÁÜŠVÁT UPH	IKÁMDeVÁTUP
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ÙÒÔUÞÖÁÜÚVÁÖÒŠŒŸÁËËÁVŒÞÁS}d^Ása^-\$}^•Ás@Ajæ*•^Ásā_^¦Á à^-{¦^Ár^&[}aÁ`^`\$]*Á^]^æÈ	FJ	<del>€€€Ё</del> <b>€€ÁĢ</b> ^&[}å•D	€
ÙÒÔUÞÖÁÔÔÜÁËÉV@àÁn}d^Ás^-ā,^•ÁÔÔÜÁ;]qā;}Ás`¦ā;*Á •^&[}åÁ`^`ā;*Ásè};[`}&^{ ^}ø*ás;![çãs^åÈ	Œ	€Ë	€

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ÚÕT ÆG G	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÔŒŠŠÁD¢ÁÕÜÒÒVOÞÕÁŒÄÖ^♂¦{ a}^•ÁsÁsæd ÆsÁ[řo^åÁqíÁs@Á Œc^}åæjóÁ, @}ÁÕ¦^^æ]*Á/[}^ÆsÁj æ^åĔÁ	F	€KÁQE¢^¦ÁÕ¦^^cāj* FKÁQÁÕ¦^^cāj*	FKÁQÁŐ¦^^æ]*
T CEÝÁÛ WÒWÒÁÔU WÞ VÁËÄÖ^¢\{ ǎ, ^•Ás@ÁÛ `^`^Á&[`} Œ	G	€€ËJ	€Í

PGM 272	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: Not Used 1: Uncond 2: Q Overflow 3: Time out 4: All	0: Not Used
APPLY TIME TYPE Determines the time setting for applying the Forward type.	4	0: All 1: Day 2: Night 3: Timed	0: All
FWD DESTINATION Determines the forward destination (trunk access code should be included).	5	Max 16 digits	-
WRAP UP TMR Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	6	000-600 (100ms)	5
MEMBER NO ANS TMR Determines the No Answer timer; if this timer expires, a call is routed to the next attendant	7	05-60 (seconds)	15
ATD CALL BY STA NO 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	8	-	Off
RING NO ANS TMR This entry defines ring no answer timer. If this timer expires, a call is routed to the forward destination according to forward type.	9	0-180 (seconds)	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided.	10	0: With Answer 1: W/O Answer	0: With Answer

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ÞØÐPVÁÐSVÖÁÐÜÁÞŒFÒÁEÐÄÖ^&¦{āj^•Ás@Ájæ{^Áj-Ás@Ájā*@Á Œc%}åæjoÁ;¦[ˇ]È	G	Tæ¢ÁrÎ	Ë
ÞØPVÁT ÒT ÓÒÜÁÐÈJŐ ÁËÁÐE• å}• ÁJææðá;}• Áæ Á; ^{ à^¦• Á; -ÁæÁn å @Á Œc^} åæ); oÁ; ¦[ˇ]È	Н	Ë	Ë

## Það @ Á O Tæch å aæ) o Á O [[ ] Á O | ^ ca] \* ĐÛ ` ^ `a] \* Á [ ] ^ Á QÚ Ó T Á GÌ Î DÁS Á ^ ^ Ás ^ cæal Á [ ] Á æð ^ O TË GH

ÚÕT Æ Î	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜÒÒVŒÕÁŸÚÒÆŒÖ^&¦{ ḡ^•ÁœÆ;]^Á;¾Õ;^^æ¸*Á[}^Á qÆ;^Á•^åÈ	F	FHÁP:   { a p Á GHÁÚ ! [ { ] c HHÁŒ } & I HÁŒ VÁT UP Î HÁXT CÓÁT UPF Ï HÁXT CÓÁT UPF Ï HÁXT CÓÁT UPH JHÁXT CÓÁT UPH JHÁXT CÓÁT UPF FFHŮŠVÁT UPG FGHŮŠVÁT UPG FGHŮŠVÁT UPH FHHŮŠVÁT UPH FHHŮŠVÁT UPI FI HŮŠVÁT UPI	FMAP[¦{æ‡
ÕÜÒÒVΦÕÁ/ŸÚÒÆËÖ^♂¦{ 蕁 ^•Á@Ác] ^Á, ÆÕ¦^^碌,*Á[}^Á ˇ•^åÈ	F	EMÁP[¦{a⇔Á FMÁU¦[{]c GMÁCE}}& HMÁCEVÁTUP IMÁČOÝVÁTUP	<b>€</b> KÁP[¦{ æţÁ
ÕÜÒÒVOÞÕÁÚŠOĞÁËÖÖ^cº\{ #}^•Á@ÁÕ\^^c#*ÁÚ æÁð; ^È	G	€€€ËFÌ €ÁÇI^&D	€€€
ÕÜÒÒVŒÕÁUÞÒÁÞUÁŒŒÖ^&¦{ ၨġ^•ÁæÁÕ;^^æj*Á[}^Á }`{ à^¦Á¸@}Ʀ^^æj*Æ]^ÆÁ^œ́[ÆP[¦{ æjÈ	Н	€FËJ	€

PGM 276	BTN	RANGE	DEFAULT
GREETING PROMPT/ANNC Determines the Greeting Prompt/ Announce Number when Greeting Type is set to Prompt or Announce.	4	001-255	Not Asg
GREETING REPEAT NO Determines the number of times the Greeting will repeat.	5	000-100	3
GREETING RPT DELAY Determines the length of time the timer will pause before the greeting is repeated.	6	000-100 (seconds)	0
QUEUING TYPE Determines the type of Queuing Tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
QUEUING TIMER Determines the Greeting/Queuing Timeout Timer.	8	010-300 (sec)	030
QUEUING TONE NO Determines the Queuing Tone number used when Queuing Type is set to Normal.	9	01-19	00
QUEUING PROMPT ANNC Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	10	001-255	Not Asg
QUEUING REPEAT NO determines the Queuing Repeat number.	11	000-100	3
GREETING RPT DELAY Determines the Pause Timer before Queuing is repeated.	12	000-100 (seconds)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0

ÚÕT ÆÏ Î	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙÒÔUÞÖÁÛĒÁVŸÚÒÁĒÉÁV@āÁr}d^Áa^-āj^•Ás@Ás]^ÁjÁr^&[}åÁ ~~~ āj*Ág}^È	FI	FKÁP[¦{ æḥÁ GÁÛ;[{ ]c HÁŒ;}& IKÁŒ;VÁT UP ÍKÁXT ŒÓÁT UPF ÏKÁXT ŒÓÁT UPF ÏKÁXT ŒÓÁT UPH JKÁXT ŒÓÁT UPH FEKÙŠVÁT UPF FFKÙŠVÁT UPF FFKÙŠVÁT UPH FHKÙŠVÁT UPI FIKÙŠVÁT UPI	IKÁDOVÁTUP
ÙÒÔUÞÖÁÛĒVOTÒÜÁĒÉV@MÁY}d^Á&^-4}^•Ár@Árá[^¦Á[¦Á -{¦, ælåÁ&^•d3;æná[}È	FÍ	<del>€€€Ё1€€</del> Á <b>Ģ</b> ^&[}å•D	H€
ÙÒÔUÞÖÁ⁄UÞÒÁÞUÁŒÁV@āÁr}d^Áå^-āj^•Ár^&[}åÁr*^*āj*Á ₫}^Á;~{à^¦ÁājÁ&æ•^Ár*^*āj*Ác]^ÁærÁ;[¦{æ‡È	FÎ	€ËJ	Þ[ ÁŒ*
ÙÒÔUÞÖÁÚÜVÁŒÞÔVŒ¥Á3}d^Ás^-ā,^•Án^&[}åÁ*^~ã,*Á ]¦[{]ơÁŒÀ}}&È*{à^¦Ás,Ásæ•^Á*^*ā,*Ás]^ÁsA ÚÜUTÚVÐÆÞÞÔÈ	FΪ	€€FËÐÍ	Þ[ ðÁQ <b>ē</b> *
ÙÒÔUÞÖÁÜÒÚÒŒVÁÞUÁËËÁV@MÁ\}d^Á&^-A}^•Án^&{}}åÁ*^~~}å*Á ¦^]^ææ∱`{à^¦È	FÌ	€€€Ë	Н
ÙÒÔUÞÖÁÜÚVÁÖÒŠŒŸÁĒËVŒ\$Á°}d^Á&^-4}^•Ás@^Á;æ*•^Ásą̄^¦Á à^-{¦^Án^&[}åÁ*`^*āj*Án]^æÈ	FJ	<del>€€€ÏF€€Á</del> Ç\$^&[}å•D	€
ÙÒÔUÞÖÁÔÔÜÁËÉV@sÁs}d^Ás^-4j^•ÁÔÔÜÁ;]qá;}Ás`¦aj*Á •^&[}åÁ`^`āj*Ása}}[`}&^{ ^}Øfan, i';çãs^åÈ	Œ	€Ë	€

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ÚÕT ÆÏ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÔŒŠŠÁOÞÁÕÜÒÒVOÞÕÁŒÄÖ^ઌ¦{ ૱^•ÁsÁsæd ÆsÁ[řo^åÁ[Ás@Á Œc^}åæajoÁ, @}ÁÕ¦^^œ3;*Á/[}^ÁssÁ]∣æ^åĔÁ	F	€KÁQE¢^¦ÁÕ¦^^cāj* FKÁQÁŐ¦^^cāj*	FKÁQÁŐ¦^^æ]*
T ŒÝÁÛ WÒWÒÁÔU WÞ VÁŒÄÖ^&¦{ ǎj^•Ás@ÁÛ*^*^Á&[`}Œ	G	€€ÜJ	€Í

Attendant Group

Chapter 7: Attendants

7-9

PGM 277	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: Not Used 1: Uncond 2: Q Overflow 3: Time out 4: All	0: Not Used
APPLY TIME TYPE Determines the time setting for applying the Forward type.	4	0: All 1: Day 2: Night 3: Timed	0: All
FWD DESTINATION Determines the forward destination (trunk access code should be included).	5	Max 16 digits	-
WRAP UP TMR Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	6	000-600 (100ms)	5
MEMBER NO ANS TMR Determines the No Answer timer; if this timer expires, a call is routed to the next attendant	7	05-60 (seconds)	15
RING NO ANS TMR This entry defines ring no answer timer. If this timer expires, a call is routed to the forward destination according to forward type.	8	0-180 (seconds)	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided.	9	0: With Answer 1: W/O Answer	0: With Answer

### Numbering Plan

Feature Numbering Plan, Attendant Call (PGM 113) ... see details on page A-17

BTN	FEATURE (PGM 113)	REMARK
1	Attendant Call	0

### **HARDWARE**

Digital Phone

Chapter 7: Attendants

# **Night Attendant Group**

### CONDITIONS

- ËÁ Þãt @ÁÐĒc?}åæ) oÁæ&oãcæe?•Á, @}ÁÜā,\*Á, [å^ÁarÁ&@e);\*^åÁq,ÁÞãt @eÁ, [å^ÈÁ

### **OPERATION**

 $Q\hat{A} \wedge d\hat{B} = \hat{a} \otimes \hat{A} = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A}$ 

### **PROGRAMMING**

### Tenant Data

Þã @ÁŒ^\åaa} ơÁÕ;[ˇ] ÁŒ •ã}{ ^} ơÁŒÓ ŤÃĠ Í ÞÁ Á^^Áå^œæð•Á;}Á æð ^ ŒËGH

ÚÕT ÆĞ Í	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞØPVÁŒVÖÁÕÜÁVŸÚÒÁŒÄÞª®Ö^&¦{ ā¸^•Ás@Áŝ]^Á;ÆÞª®Á Œc^}åæjoÁ;¦[ˇ]È	F	€nÁ√^¦{ ãjæ  FnÁÔã&` æ  GnÁÜãj* HnÁŠ[}*^•oÁQā ^	<b>€</b> KÁ^¦{ ãjæ
ÞOÕPVÁOSVÖÁÕÜÁÞOETÒÁEËÄÖ^৫¦{āj^•Ás@Ájæ{^Á;Ás@Ájā*@Á OGc^}åæjoÁ¦[ˇ]È	G	Tæ¢ÁrÎ	Ë
$\begin{array}{l} \vdash \tilde{\mathbb{Q}} \vdash \forall \hat{\mathbf{A}} \vdash \mathbf{A$	Н	Ë	Ë

## Night Attendant Group Greeting/Queuing Tone (PGM 276) ... see details on page A-123

PGM 276	BTN	RANGE	DEFAULT
GREETING TYPE Determines the type of Greeting Tone to be used.	1	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	1: Normal
GREETING TYPE Determines the type of Greeting Tone used.	1	0: Normal 1: Prompt 2: Annc 3: INT MOH 4: EXT MOH	0: Normal
GREETING PLAY Determines the Greeting Play time.	2	000-180 (sec)	000
GREETING TONE NO Determines the Greeting Tone number when greeting type is set to Normal.	3	01-19	04
GREETING PROMPT/ANNC Determines the Greeting Prompt/ Announce Number when Greeting Type is set to Prompt or Announce.	4	001-255	Not Asg
GREETING REPEAT NO Determines the number of times the Greeting will repeat.	5	000-100	3
GREETING RPT DELAY Determines the length of time the timer will pause before the greeting is repeated.	6	000-100 (seconds)	0

Chapter 7: Attendants

ÚÕT ÁGI Î	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÛWÒWŒPÕÁYŸÚÒÆŒÖ^&¦{ ā¸^•Ás@Ás]^Á;-ÁÛ~^šā¸*Á[}^È	Ϊ	FÉÁP[ ; { æ jÁ GÉÁU; [ { ] c HÉÁU; ] & I ÈÁU; VÁT UP Í HÁXT CÓ ÁT UPF Ï HÁXT CÓ ÁT UPF Ï HÁXT CÓ ÁT UPH JHÁXT CÓ ÁT UPH FEHLÜŠVÁT UPF FFHLÜŠVÁT UPF FFHLÜŠVÁT UPH FHHLÖŠVÁT UPI FILIÚŠVÁT UPI	1
ÛWÒWODOÃ/OTÒÜÆËÄÖ^&\{ ā}^•Ás@ÁÕ\^^ca}*ÐÛ`^`ā}*Á Vā( ^[`oÁvā( ^\!È	Ì	€F€ÏH€€ÁÇ^&D	€₩€
ÛWÒWŒPÕÁ/UÞÒÆÞUÆŒÄÖ^&¦{ ā,^•ÆæÆ\Û`^`āj*Á/[}^Á }`{ à^¦Á•^åÁ, @}ÁÛ`^`āj*Á/`]^ÆæÆ\^ÆÆ,ÆÞ[¦{ æ\È	J	€ËJ	€€
ÛWÒWODŌÁÚÜÜUTÚVÁODÞÞÔÁŒÄÖ^ơ¦{ ā,^•Ás@ÁÛ`^`ā,*Á Ú¦[{] ŒÁOU;}[`}&^Ár`{ à^¦Á, @}Ás@ÁÛ`^`ā,*Ár`]^ÆiÁroá(Á Ú¦[{] ơÁ;¦ÁOU;}[`}&^È	F€	€€FËĞÍ	Þ[ ðÁŒ*
ÛWÒWŒPÕÁÜÒÚÒŒVÁPUÁŒÄ&^c^¦{ āj^•Ás@ÁÛ`^`āj*ÁÜ^]^ææÁ }`{ à^¦È	FF	€€€ËF€€	Н
ŐÜÒÒVOÞŐÁÜÚVÁÖÒŠOŠÁŒÄÖ^ơ\{ ∄^•Ás@ÁÚæĕ•^Á⁄ã ^¦Á à^{¦^ÁÛ`^`ã,*ÁsÁ^]^æ°åÈ	FG	<del>€€€Ё</del> Т€€ÁÇ^&[}å•D	€
ÛWÒWODOÕÁÔÔÜÁEËÁV@&Án}d^Ás^-4j^•ÁÔÔÜÁ;]qáj}Ás`¦āj*Á ``^`āj*Ásaj}[`}&^{ ^}OÁSAÍ;[çás^åÈ	FH	€Ë	€

PGM 276	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	14	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4: INT MOH
SECOND Q. TIMER This entry defines the timer for forward destination.	15	000-300 (seconds)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	16	01-19	Not Asg
SECOND PRT ANNCThis entry defines second queuing prompt / annc.Number in case queuing type is PROMPT/ANNC.	17	001-255	Not Asg
SECOND REPEAT NO This entry defines second queuing repeat number.	18	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	19	000-100 (seconds)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	20	0-1	0

## Night Attendant Group Attribute (PGM 277) ... see details on page A-126

PGM 277	BTN	RANGE	DEFAULT
CALL IN GREETING Determines if call is routed to the Attendant when Greeting Tone is played.	1	0: After Greeting 1: In Greeting	1: In Greeting
MAX QUEUE COUNT Determines the Queue count.	2	00-99	05

ÚÕT ÆÏ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
②UÜY OĒÜÖÁYŸÚÒÁĒÄÖ^ơ:{ 尋^•Á® ÁŒ; ; æååć; ]^Á; Á•^ÈA 邑ÁÞ[ óÁ•^åÆ; AáÆ; ] & ááÁ aá^•cā; æåí; } & ááÁ; }		⊖Κάρ[cÁN+^å FKÁN}&[}å GKÂĴÁJ¢^¦- [, HKÁQÃ[^Á[,`c IKÁQ∏]	<b>€</b> KÁP[ cÁV•^å
ŒÚÚŠŸÁ⁄QT ÒÁ/ŸÚÒÆŒÃÔ^�\{ 尋^•Ás@Áæą ^Ás^œæ³*Áţ¦Áæ]] ^ą*Ás@Á¤[; æåÁs]^È	I	€MÁOE∏ FMÁÖæê GMÁÞ∄®c HMÁVÃ[^å	€KÁCE
ØY ÖÄÖÒÙVŒÞŒVŒVŒJÞÁEEÄÖ^♂¦{āj^•Ás@Á[¦¸æ†åÁs^•æāj}Á ÇL``}\Ásæ&&^••Ás[å^Ár@`` åÁs^Ásj& `å^åDÈ	ĺ	Tæ¢ÁrÎÁsåããe•	Ë
YÜCEÚÁNÚÁ/TÜÁEÄÖ^&;{ 為^•Á@ÁY;æ;ë]Á/ã; ^;LÁæÁ { ^{ à^;Án:Án:Æn;æājæà; ^Á, @}Áo@n:Ánā; ^;Án¢]ã^•Ánæ^;Ána4; ^{ à^;Á *[^•Án;Ána])È	Î	<del>€€€ÍÍ</del> €€ÁÇF€€{ •D	Í
TÒTÓÒÜÁÞUÁÐÐÙÁ/TÜÁĒÄÖ^¢¦{ã,^•Ás@ÁÞ[ÁŒ;¸^¦Á cã;^¦LÁSÁŒÁÁ;^\Á^¢]ã^•ÉÁSÁ&æ ÁSÁ[č°åÁqÁ@Á,^¢óÁ ææ°}åæ)c	Ϊ	€Í ÉÍ €ÁÇ^&[}å•D	FÍ
Ü (Op ÕÁD UÁO Þ ÙÁ T Ü ÁÐÐ V @ā ÁA) d^ Áa^ -ā) ^ • Áā, * Á, [Áæ) • ¸ ^ ¦ Á cāļ ^ ¦ ÞÁQÁ @ā Áāļ ^ ¦ ÁA ¢] ā ^ • ÉÁDÁ & æ) Áā Á[ č c³ å Át Ác@ Á[ ¦ ¸ æ) å Á å ^ • cāj æ æāl } Áæ&&[ ¦ åā] * Át Á[ ; æ) å Ác ] ^ È	Ì	€# i € <b>4</b>	€
ÚÜUXÕÖÀQEÞÔEËVŒÁ}d^&s^4^•ÆÁ^•ơ{Æ;∳•¸^lÁc@Á &æ Á,@}ÆxÁ!^^æ}*Á;!Á`^`ä}*Æ;}[`}&^{ ^; 6; 6; 6; 6; 6; 6; 6; 6; 6; 6; 6; 6; 6;		€KÁY ão@ÁOE;•,^¦ FKÁY EDJÁOE;•,^¦	€KÁYão©ÁOE;•,^¦

# **Greeting/Queuing Tone Service**

 $V@^{\hat{A}\hat{U}^{\bullet}} \circ (\{\hat{A}) = \hat{A}^{\dagger} = \hat{A} = \hat$ 

- ‴ ÞUÜT ŒŠΑΈΑὐ^∙૯^{ Á/[}^ÁQ€FËFJÊA/[}^ÁØ!^`ĔÁS,ÁÚÕΤÁΘÌΙD
- ″ ÚÜUT ÚVÁΕΣΑΤ ΦΟΑÚ¦[{]c
- ″ OEÞÞUWÞÔÒTÒÞVÁÄÄXTOÓÁŒ{}[ˇ}&^{ ^}c

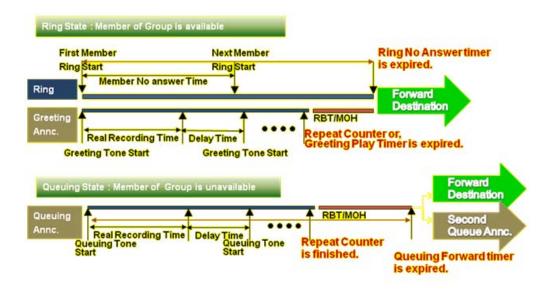
- INT MOH
- EXT MOH
- VMIB MOH (1-4 for MBX IP-300, 1-3 for MBX IP-100)
- SLT MOH (1-5)

### CONDITIONS

- If Greeting Play timer is expired, RBT is provided.
- During Announcement delay time, MOH or RBT can be provided by PGM.
- If queuing announcement forward timer is expired, second queuing announcement can be provided.
- If Second queuing announcement forward timer is not assigned, a call is routed to the forward destination after first queuing announcement forward timer is expired.

### **OPERATION**

If set, Greeting/Queuing Tone Service operation is automatic.



### **PROGRAMMING**

Tenant Data

# $Offic^{\ } \mathring{a} = \mathring{a} + \mathring{a$

ÚÕT ÁGÏ F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜÒÒVŒÕÁYŸÚÒÆŒÖ^&¦{ ¾^•Ás@Ác]^Á; ÆÕ;^^æ; Á[}^Á q Æn^Á•^åÈ	F	FKÁP[¦{ æḥÁ GÁÛ¦[{ ]c HÁŒ}}& IKÁŒPVÁT UP ÍKÁXT ŒÓÁT UPF ÏKÁXT ŒÓÁT UPF ÏKÁXT ŒÓÁT UPH JKÁXT ŒÓÁT UPH FEKŮŠVÁT UPF FFKŮŠVÁT UPF FFKŮŠVÁT UPH FHKŮŠVÁT UPH	FKÓP[¦{æ‡
ÕÜÒÒVQ•ÕÁÚŠQŸÆËÖ^¢\{ ã,^•Ás@ÁÕ\^^cā,*ÁÚ æÁsã,^È	G	<del>€€€ΪΪ</del> Ì <b>€ÁĢ</b> ^&D	€€€
ÕÜÒÒVQOÕÁ/UÞÒÁÞUÁEEËÖ^&¦{ jā^•Ás@ÁÕ¦^^œj*Á/[}^Á }`{ à^!Á¸@}Át¦^^æj*Ác]^ÁsA^xÁqÁp[¦{ æjÈ	Н	€FËJ	€
ÕÜÒÒVŒ¸ÕÁÜÜUTÚVÐŒÞÞÔÆËÄÖ^ơ\{ ã,^•Ás@ÁÕ\^ơā;*Á Ú¦[{]œÁŒ;}[~}&^Áp~{à^¦Á,@}ÁÕ¦^^æ;*Á^]^ÆsÁ^œ́{Á Ú¦[{]œÁ;}[~}&^È	I	€EFËĞÍ	Þ[ ðÁÐĒ*
ÕÜÒÒVŒ ÕÄÜÒÚÒŒ/ÁÞUÁËËÖ^&¦{ ∄^•Á@Á; { à^¦Á;-Áã; ^•Á c@ÁÕ;^^c3;*Á; ∄Á^)]^æÈ		€€€ËF€€	Н
ÕÜÒÒVOÞÕÁUÚVÁÖÒŠŒŸÁŒÄÖ^¢¦{ ¾,^•Ás@Ár\}*œÁ¸Ásą̄ ^Ás@Á caṭ ^¦Á¸¾ Á¸æ•^Ás^-ṭ ¦^Ás@Ár¦^^ca;*ÁsēÁ^]^æçåÈ	Î	<del>€€€Ё</del> €€ÁÇ•^&[}å•D	€

Chapter 7: Attendants

PGM 271	BTN	RANGE	DEFAULT
QUEUING TYPE Determines the type of Queuing Tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
QUEUING TIMER Determines the Greeting/Queuing Timeout Timer.	8	010-300 (sec)	030
QUEUING TONE NO Determines the Queuing Tone number used when Queuing Type is set to Normal.	9	01-19	00
QUEUING PROMPT ANNC Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	10	001-255	Not Asg
QUEUING REPEAT NO determines the Queuing Repeat number.	11	000-100	3
GREETING RPT DELAY Determines the Pause Timer before Queuing is repeated.	12	000-100 (seconds)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0

Chapter 7: Attendants

ÚÕT ÁGÏ F	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÙÒÔUÞÖÁÛĒÁVŸÚÒÁĒÉÁVŒ\$Á°}d^Ás^-\$}^•Ás@Á°]^Á;-Ár^&[}åÁ ~~~ \$;*Át}^È	FI	FKÁP[:{ æ Á GÁÚ:[{]c HÁCE}}& IKÁCEVÁTUP ÍKÁCYVÁTUP ÍKÁXTCÓÁTUPF ÏKÁXTCÓÁTUPG ÌKÁXTCÓÁTUPH JKÁXTCÓÁTUPH JKÁXTCÓÁTUPH FEKÁÚŠVÁTUPF FFKÁÚŠVÁTUPG FGÁÚŠVÁTUPG FGÁÚŠVÁTUPH FHKÁÚŠVÁTUPH	IKÁMDeVÁTUP
ÙÒÔUÞÖÁÛ EĂVOT ÒÜÁEÉÁV @ Ár Ár 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	FÍ	<del>€€€Ё1€€</del> ÁÇ}^&[}å•D	H€
ÙÒÔUÞÖÁ⁄UÞÒÁÞUÁËËV@āÁ°}d^Áå^-āj^•Ár^&[}åÁ*^~ãj*Á ₫}^Á;{à^!ÁājÁsæ•^Á*^~ãj*Ác]^ÁæAj[!{æ‡È	FÎ	€FËJ	Þ[ ðÁЕ*
ÙÒÔUÞÖÁÚÜVÁŒÞÞÔV@áÁs}d^Ás^-āj^•Ás^&[}åÁ´^`āj*Á ]¦[{]ơÁŒÀ}}&È`{à^¦ÁsjÁsæ•^Á`^`āj*Áĉ]^ÁarÁ ÚÜUTÚVEŒÞÔÈ	FΪ	€FİĞÍ	Þ[ ðÁOE*
ÙÒÔUÞÖÁÜÒÚÒŒVÁÞUÁËËÁV@AÁA}d^Áa^-A}^•Án^&{}åÁ*^~ã,*Á ¦^]^ææÁ,*{à^¦È	FÌ	€€€Ё€€	Н
ÙÒÔUÞÖÁÜÚVÁÖÒŠŒŸÁŒÄVŒÞÁN}d^Ás^Æ}^•Ás@Á;æ•^Ásǽ^¦Á à^-{¦^Án^&{}}åÁ*^*;ā/*A^]^æÈ	FJ	<del>€€€Ё</del> <b>€€ÁĢ</b> ^&[}å•D	€
ÙÒÔUÞÖÁÔÔÜÁEÉV®AÁ}d^Áa^-4}^•ÁÔÔÜÁ;]dā;}Áa`¦ā;*Á •^&[}åÁ`^`ā;*Áæ}}[`}&^{ ^}øÁæÁ;![çãa^åÈ	Œ	€Ë	€

ÚÕT ÁG G	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ÔŒŠŠÁQÞÁÕÜÒÒVQÞÕÁĒÄÖ^ઌ¦{ ૱^•ÁsÁsæd ÁsAÍ[ˇơåÁq[Ás@Á Œơ}åæd)ó¸@}ÁÕ¦^^œ3*Á[}^ÁssÁ]þæ^åĚÁ	F	€KÁQE¢\¦ÁÕ¦^^cāj* FKÁQÁÕ¦^^cāj*	FKÁQÁŐ¦^^ďaj*
T ŒÝÁÛ WÒWÒÁÔU WÞ VÁŒÄÖ^&¦{ ǎ, ^•Ás@ÁÛ `^`^Á&[`}Œ	G	€€ËJ	€Í

PGM 272	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: Not Used 1: Uncond 2: Q Overflow 3: Time out 4: All	0: Not Used
APPLY TIME TYPE Determines the time setting for applying the Forward type.	4	0: All 1: Day 2: Night 3: Timed	0: All
FWD DESTINATION Determines the forward destination (trunk access code should be included).	5	Max 16 digits	-
WRAP UP TMR Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	6	000-600 (100ms)	5
MEMBER NO ANS TMR Determines the No Answer timer; if this timer expires, a call is routed to the next attendant	7	05-60 (seconds)	15
ATD CALL BY STA NO 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	8	-	Off
RING NO ANS TMR This entry defines ring no answer timer. If this timer expires, a call is routed to the forward destination according to forward type.	9	0-180 (seconds)	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided.	10	0: With Answer 1: W/O Answer	0: With Answer

## Table Data

Tone Frequency/Cadence (PGM 264) ... see details on page A-114

# **CCR Service for Attendant Queuing Annoucement**

The System can provide CCR Service during queuing announcement according to the CCR option.

 $\begin{array}{l} \text{CE}\hat{O}\hat{O}\hat{U}\hat{A}/\partial \hat{a}_{i}|^{A}\hat{a}_{i}^{A} - \hat{a}_{i}^{A} - \hat{a}_{i}^{A}\hat{a}_{i}\hat{a}_{i}\hat{a}_{i}^{A}\hat{a}_{i$ 

- ″Ùcæaa[}
- "Ùcædā] ÁÕ¦["]
- ″ ÔUÁÕ¦[ˇ]ÁŒ&&^••ÁÔ[å^
- ″ XI ã&^ÁT æãÁŒ&. & • ÁÔ[ å^
- ″ ÔÔÜÁ028& ^••ÁÔ[å ^ÁEÁX ΤΟΦÁ0Ε;}[ˇ}& ^{ ^}c
- ″ ÔÔÜÁ0£8&^••Ása}åÁÖ¦[]ÁÔ[å^ÁEÁKΤΟΦÁŒ;}[ˇ}&^{ ^}c
- ″ Ô[} ^\^} &^ ÄÜ[[{
- ″ Þ^oÁp`{à^¦

## **CONDITIONS**

ËÁ ÙOÚHOÒÖÞÁ^¦{ã;æ†Ás[^•Á;[œÁ\*]][¦œÓÔÖÜÁ^æĕ`¦^È

#### **OPFRATION**

 $Q\acute{A} \wedge d\acute{B}O$  $A \wedge d\acute{A} + D\hat{U} \wedge d\hat{A} + A\hat{U} \wedge d\hat{A} \wedge$ 

#### **PROGRAMMING**

Tenant Data

## Station Group Attribute (PGM 201-202) ... see details on page A-65

PGM 201	BTN	RANGE	DEFAULT
GREETING TYPE this entry defines the type of greeting tone.	1	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10: SLT MOH1 11: SLT MOH2 12: SLT MOH3 13: SLT MOH4 14: SLT MOH5	1
GREETING PLAY this entry defines greeting play time.	2	000-180 (secs)	000
GREETING TONE NO This entry defines greeting tone number in case greeting type is normal.	3	01-19	Not Assigned
GREETING PRT/ANNC This entry defines greeting prompt / annc. Number in case greeting type is PROMPT/ANNC.	4	001-255	Not Assigned
GREETING REPEAT NO This entry defines greeting repeat number.	5	000-100	3
GREETING RPT DELAY This entry defines the pause timer before greeting repeat.	6	000-100 (secs)	0

ÚÕT ÆÆF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÛWÒWQQÕÁYŸÚÒĀËÄV@\$A}d^Ág^\$^•Ág@Æ3]^Áq-Á`^`\$*Áq}AĚ	Ï	FÉÁP[:{ a‡Á GÁÁ!:[ { ] c HÁGC; } & I ÉÁD VÁT UP Í HÁXT CÓÁT UPF Ï HÁXT CÓÁT UPF Ï HÁXT CÓÁT UPH JHÁXT CÓÁT UPH JHÁXT CÓÁT UPF FFHŮŠVÁT UPG FGHŮŠVÁT UPG FGHŮŠVÁT UPH FHHŮŠVÁT UPH FHHŮŠVÁT UPH	Н
ÛWÒWODOÕÁ/OTÒÜÆËÄV@&Áx}d^Ás^-4j^•Ás@Ázi^¦Á;¦Á*^*j*Á -{¦, ælåÁ;¦Áx^8(}åÁ*^*j*Áæ)}[*}&^{ ^}dÈ	Ì	<del>€€€ÏÏ  €€</del> ÁÇ}^&• D	H€
ÛWÒWOÞÕÁ/UÞÒÁÞUÁEÉ/@sÁ)d^Ás^-ā,^•Á*^*ā,*Á[}^Á }`{à^¦Ás,Ásæ•^Á*^*ā,*Ás]^ÆsÁ;[¦{æ È	J	€ËJ	Þ[ đĐ•đ}^å
ÛWÒWOÞÕÁÚÜVEOÐÞÞÔÁËËÁV@àÁA}d^Áá^-ā,^•Á*^*ā,*Á;[{] ÓÁA æ)}&BÁÞ*{à^¦Á§Á8æ•^Á*^*ā,*Á\$]^ÁsÁÜÜUTÚVEOÐÞÞÔÈ	F€	€EFËĞÍ	Þ[ <b>dÓ €•</b> at }^å
ÛWÒWOÞÕÁÜÒÚÒŒVÁÞUÁËËÁV@āÁN}d^Áå^-āj^•Á*^~jj*Án]^ææÁ }~{à^¦È	FF	€€€ÏF€€	Н
ÛWÒWOÞÕÁÜÚVÁÖÒŠOŸÁŒÁV@ÁA}d^Áa^-A}^•Á@AÁ***********************************	FG	<del>€€€ÏF€€Á</del> Ç}^&• D	€
ÛWÒWOÞÕÁÔÔÜÁEËÁV@àÁN}d^Ás^-\$}^•ÁÔÔÜÁ[]qā[}Ás`¦ā]*Á ~~~~ ā]*Ás9}[~}&^{ ^}o^*aÁ;![çãs^aÈ	FH	€Ë	€
TUPÁØUÜÁOEÞÞÔÉÆÆÁV@oxÁn?d^Ás^-āj^•ÁTUPÁ[]dā[}Ás*¦āj*Á ~~~~~~āj*Áæ)}&EÁÚæĕ•^Áaā[^È	FI	€ËG	}[}^

PGM 201	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	15	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
SECOND Q. TIMER This entry defines the timer for forward destination.	16	000-300 (secs)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	17	01-19	Not Assigned
SECOND PRT/ANNC This entry defines second queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	18	001-255	Not Assigned
SECOND REPEAT NO This entry defines second queuing repeat number.	19	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	20	000-100 (secs)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	21	0-1	0
MOH FOR ANNC, This entry defines MOH option during second queuing annc. Pause time.	22	01-12	none

PGM 202	BTN	RANGE	DEFAULT
CALL IN GREETING This entry defines if a call is routed to a destination during greeting tone is played.	1	0: After Greeting 1. In Greeting	After Greeting
MAX QUEUE COUNT This entry defines queue count.	2	00-99	00

ÚÕT ÆŒG	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
QUÜY CEÜÖÁ/ŸÚÒÁEÉA/@á/Å} d^Áå^-ā,^•Á[¦¸ æåá6;]^ÉÆÉÁÞ[ cÁ  *•^åÆÉÁN, &[}åãã]}æHÁBÆÁæHÆÁ; c/åÆ[ÁBÆH]; æåáÅ;•œ3æã]}Á  *}&[}åãã]}æHÉÆÆÁÛ^*^ ā,*Áç^\!-[¸ KæÆÆHÆÁ]; æåáÅ;•œ3æã]}Á  -[; æåÁå^•œ3æã]}Á¸@}ÁæÁ**^°æ3æã]}Á¸@}ÁæÁã^•œ3æã]}Á¸@}ÁæÁã  &æHÆÁ°Á[*œÅ[*œÁ[; æåÁå^•œ3æã]}Á¸@}ÁæÁã*,•æ3æã]}Á¸@}ÁæÁã;  &æHÆÁÅÆÁEÁÉAÉÆÆÁ[HÆÁÆÆHÆÁ]; æåÁå^•œ3æã]}Á¸@}ÁæÁã;  æÁ**^*ÁæÁç°!-[¸Á¦ÁÆA]*[*œÁæÁ[¦¸æåÁå^•æ3æã]}Á¸@}Á		€HÁ FHÁN}&[}å GHÁŨÁUÇ^¦- [] HHÁVÃ[^Á ĭc IHÁO∏	Þ[ œW•^å
ŒÚÚŠŸÁ∕ŒÌÒÁYŸÚÒÁŒÄV@&Á°}d^Á&^-¾^•ÁæÁæï, ^Á[Áæ]] ^Á -{¦, æ¦åÁ°]^È	I	€KÁCIŠŠ FKÁÖCIŠ GKÁÞÓÕPV HKÁVOTÖÖ	OEŠŠ
ØY ÖÄÖÒÙVOD•OEVOUÞÁEEÄV@áÁn}d^Ásn^-āj^•ÁsnÁn;l;ælåÁ å∧•cājææāj}EÄÇV¦`}\Áss£&%••Á&lå^Án@(` åÁsn^Æaj& `å^å∩åEÈ	ĺ	Tæ¢ÁrÎÁsåããe•	Þ[}^
YÜCELÁNÚÁ/TÜÁEEÁ/@áÁr}d^Áso-āj^•Ásoáj¦aējÁrjÁsāj^¦ÆKOEÁ {^{à^¦ÁsaÁseg-æalaæaà ^Á,@?}Áso@áÁsāj^¦ÁsaÁr¢jāl^åÁsee¢¦ÁseÁ {^{à^¦Árj(^•ÁsjÁssa ^È	Î	€€€Ï €€	€F€
TÒTÓÒÜÁÞUÁŒÞÙÁYTÜÁËËVŒÞÁ}d^Ás^-ā,^•Á,[Áæ)•,^¦Á cā[^¦Áæà[`cÁ>æ&@Á,^{ à^¦BÁQÁ©BÁā;^¦ÁæÁ^ç]ā^åBÁxÁ&æ) ÆÁ ¦[`c^åÁqÁc@Á,^¢cÁ;^{ à^¦È	Ϊ	€ÍË€	FÍ
Ü Φ Õ ÁÞ U ÁÐÐ Ù Á/T Ü ÁËËÁ @ā Á\} d ^ Áā ^ - Ąā ^ • Á.Ąā * Á.Į Áæ) • ¸ ^ ¦ Á caļ ^ ¦ ÈÁAÁ @ā ÁaĮ ^ ¦ Æā Á\¢] ā ^ å ÊÉæA&æ  Æā Á.Į ˇ c^ å Áq Ác@ Áq ¦ ¸ æå Á å ^ • caj æaa[} Áæ&&[ ¦ å aj * Áq Áq ¦ ¸ æå Ác ] ^ È	Ì	€ËÌ€	€
ÚÜUXÓÖÒÁÐÞÞÔĒĒVŒÞÁ}d^å^ā^-¢^{ÁsÁ^-¢^{Ás}-¸^¦ÁœÁ 8æijÁ,@}ÁsáÁ¦^^æj*Áş¦Á*^~ãj*Ásg}[*}&^{ ^}oÁsÁ;[çãā^åÁ	J	€KÁY ão @ÁOE; • , ^ ; FKÁY ĘD ÁOE; • , ^ ;	Yão@ÁOE}•, ^¦

## Table Data

 $OF_{\{i\}}^{*} = A^{*} \circ A^{*}$ 

ÚÕT ÆÍ J	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
V@ÁxTOÓÁ [œ&ÁÚ [{]œÁp[ÈÁ(Ás^Á•^åÁ(¦Á) æêā)*Ás@ÁxTOÓÁ OE;}[ˇ}&^{^}œÁp[È	FË	XTOÓÁÙ [œÍÇŒĒĒÌDÁSÁ Ú¦[{]œÍp[ÁÇEFĒĒ€D	Ë
ÔÔÜÁQå^¢Á•^åÁ(¦Á, æ³; *Ás@ÁXT ŒÁŒ;}[ˇ}&^{ ^}ÆP[È	ĺ	FË <del>€€</del>	Ë

## CCR Table (PGM260) ... see details on page A-112

PGM 260	BTN	RANGE	DEFAULT
CCR TABLE 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.	1-12	Max 8 digits	-

# Forward Destination, Overflow Service

This can be assigned as Station/Hunt Group/Telephone Number, covering Attendant Call according to the Forward type of the Attendant Group. There are 4 kinds of Forward type in an Attendant Group:

- Unconditional
- **Queuing Overflow**
- **Queuing Timeout**
- Queuing Overflow or Queuing Timeout

The Overflow Destination can be programmed as Station/Station Group/External number/NET Destination.

## **OPERATION**

To use the Unconditional Forward Overflow Destination:

- 1. Dial the {Attendant Call code}.
- The Call is Routed to the Forward Destination.

To use the Queuing Overflow Forward Destination:

- 1. Dial the {Attendant call code}.
- The Call is Queued when all Member Stations are in Busy mode.

NOTE: The Call will be Routed to the Forward Destination when max, queue has been Overflowed.

To use Queuing Timeout Forward Destination:

- 1. Dial the {Attendant Call code}.
- The call is Queued when all Member Stations are in Busy mode.

NOTE: Calls will be Routed to the Forward Destination when Queuing Time has expired.

To use Queuing Overflow or Timeout as Forward Destination:

FÈ ÖãndÁs@ÁOto?} åæ) cÁÔælÁs[å^¤ÀÁ

## **PROGRAMMING**

## Tenant Data

Otec^} åæ} ơÁÕ¦[ˇ] ÁOtecláðaˇ c^ÁQÚÕT ÁGÏ FËGÏ GDÁS Á\^^Á\$^cæði•Áţ} Á¸aæ\*^ Ot#FFÌ

ÚÕT Æ F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜÒÒVŒÕÁYŸÚÒÆŒÖ^&¦{ ¾^•Ás@Ás]^Á; ÆÕ;^^æ; Á[}^Á q Æn^Á•^åÈ	F	FKÁP[¦{ æḥÁ GÁÛ;[{ ]c HÁŒ;}& IKÁŒ;VÁT UP ÍKÁXT ŒÓÁT UPF ÏKÁXT ŒÓÁT UPF ÏKÁXT ŒÓÁT UPH JKÁXT ŒÓÁT UPH FEKÙŠVÁT UPF FFKÙŠVÁT UPF FFKÙŠVÁT UPH FHKÙŠVÁT UPI FIKÙŠVÁT UPI	FKAP[¦{æ‡
ÕÜÒÒVQ•ÕÁÚŠQŸÁËËÖ^¢\{ ã,^•Á;@ÁÕ;^^q;*ÁÚ æÁ;ã, ^È	G	<del>€€€Ë</del> ÈÈ <b>ÁĢ</b> ^&D	€€€
ÕÜÒÒVQOÕÁ/UÞÒÁÞUÁEEËÄÖ^&¦{ j}^•Ás@ÁÕ¦^^æj*Á/[}^Á }`{ à^¦Á, @}Át¦^^æj*Ác]^ÁsA^óÁ[ÁÞ[¦{ æ‡È	Н	€FËJ	€
ÕÜÒÒVQÞÕÁÜÜUTÚVÐÐÐÞÞÔÆŒÄÖ^♂¦{ā,^•Ás@ÁÕ¦^ゐ;*Á Ú¦[{]dÁxOE;}[ˇ}&^Ápˇ{à^¦Á,@}ÁÕ¦^^æ;*Á/`]^ÁsaÁr^cÁQÁ Ú¦[{]dÁ;¦ÁCE;}[ˇ}&^È	I	€€FËĞÍ	Þ[ ðÁŒ*
ÕÜÒÒVŒÕÁÜÒÚÒŒ/ÁÞUÁËËÖ^ơ¦{ 身^•Á@Á; { à^¦Á,-Áã, ^•Á c@ÁÖ;^^c3;*Á, ą Á^] ^æÈ	ĺ	€€€ÏF€€	Н
ÕÜÒÒVOÞÕÁÜÚVÁÖÒŠOË⁄ÁEÐÖ^&¦{ ¾^•Á@Á^}* c@Á-Áq ^Ág ^Ág ^Ág ^Ág ^Ág ^Ág ^Ág ^Ág ^Ág ^Ág	Î	<del>€€€Ё</del> Т€€ÁÇ}^&[}å•D	€

PGM 271	BTN	RANGE	DEFAULT
QUEUING TYPE Determines the type of Queuing Tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
QUEUING TIMER Determines the Greeting/Queuing Timeout Timer.	8	010-300 (sec)	030
QUEUING TONE NO Determines the Queuing Tone number used when Queuing Type is set to Normal.	9	01-19	00
QUEUING PROMPT ANNC Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	10	001-255	Not Asg
QUEUING REPEAT NO determines the Queuing Repeat number.	11	000-100	3
GREETING RPT DELAY Determines the Pause Timer before Queuing is repeated.	12	000-100 (seconds)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0

ÚÕT ÁG F	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙÒÔUÞÖÁÛĒÁYŸÚÒÆĒÁVŒ\$Á\$}d^Ás^æ¸^•Ás@Ás`]^Á¸A*A\${}åÁ ``^`ā¸*Áq{}^È	FI	FKÁP[¦{æļÁ GKÁÚ¦[{]c HKÁCŒ}}& IKÁCŒVÁTUP ÍKÁXTCÓÁTUPF ÏKÁXTCÓÁTUPG ÌKÁXTCÓÁTUPH JKÁXTCÓÁTUPH JKÁXTCÓÁTUPH FEKÁÚŠVÁTUPF FFKÁÚŠVÁTUPG FCHÁÚŠVÁTUPH FHKÁÚŠVÁTUPH FHKÁÚŠVÁTUPH	IKÁMO≥VÁTUP
ÙÒÔUÞÖÁÛĒVŒÌÒÜÆĒÝŒÀÁ}d^Á\$^-\$j^•Ác@Áqā ^¦Á;¦Á -{¦, æåÅå^•œjæqã}}È	FÍ	<del>€€€Ё1€€</del> Á <b>Ģ</b> ^&[}å•D	H€
ÙÒÔUÞÖÁ⁄UÞÒÁÞUÁËËÝ@āÁY}d^Ás^ā¸^•Ás^&[}åÁ´°^ã¸*Á d;}^Á,`{à^¦Ás,Ásæ•^Á`^`ã¸*Ác]^ÆsÁ;[¦{æ‡È	FÎ	€FËJ	Þ[ ÁŒ*
ÙÒÔUÞÖÁÚÜVÁŒÞÞÔV@àÁ\}d^Áå^-ā,^•Án^&[}åÁ`^`ā,*Á ]¦[{]oÆA;}&ÈÞ`{à^¦Áā,Á&æ•^Á``^`ā,*Áĉ]^Áa;Á ÚÜUTÚVÆÆÞÞÔÈ	FΪ	€€FÜĞÍ	Þ[ ð <b>(0-</b> *
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Attendant Recall 7-29

Chapter 7: Attendants

PGM 272	BTN	RANGE	DEFAULT
FORWARD TYPE 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.	3	0: Not Used 1: Uncond 2: Q Overflow 3: Time out 4: All	0: Not Used
APPLY TIME TYPE Determines the time setting for applying the Forward type.	4	0: All 1: Day 2: Night 3: Timed	0: All
FWD DESTINATION Determines the forward destination (trunk access code should be included).	5	Max 16 digits	-
WRAP UP TMR Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	6	000-600 (100ms)	5
MEMBER NO ANS TMR Determines the No Answer timer; if this timer expires, a call is routed to the next attendant	7	05-60 (seconds)	15
ATD CALL BY STA NO 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	8	-	Off
RING NO ANS TMR This entry defines ring no answer timer. If this timer expires, a call is routed to the forward destination according to forward type.	9	0-180 (seconds)	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided.	10	0: With Answer 1: W/O Answer	0: With Answer

## **Attendant Recall**

Unanswered or Abandoned CO/IP Calls that remain unanswered for the Hold or Transfer Hold Timer (as applicable), will Recall at the Station that placed the Call on Hold. If the Call remains unanswered for the assigned Recall Time, the first available Attendant will also receive the Recall. The Attendant and Station will simultaneously receive the recall signal for the Attendant Recall Timer period after which the System will disconnect the Call and return the CO/IP Line to Idle.

## **OPERATION**

System

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## **PROGRAMMING**

CO Line Data

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Attendant Recall 7-31

Chapter 7: Attendants

PGM 173	BTN	RANGE	DEFAULT
NO ANSWER ALT RING TBL 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)	4	01-80	-
NO ANSWER TONE If destination is set to Tone, the Error / Busy tone is heard.	5	-	-
NO ANSWER PILOT HUNT GROUP The CO call is routed to Pilot Hunt Group of the original destination.	6	-	-
NO ANSWER RING The call is routed to the same destination again.	7	-	-
NO ANSWERThe CO call is routed to the transferred station again. Only possible for 'Transfer No Answer' case.	8	-	-

## Tenant Data

Attendant Group Assign (PGM 270) ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

## **RELATED FEATURES**

Hold ... see page 3-101

Call Transfer ... see page 3-30

# **Attendant Station Program Codes**

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## **Example of User Program Code Chart**

User PGM Code	Item Description	Remark
01 SMDR		<b>'</b>
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 Dange MCC No.
		Station Range, MSG No
052	SET USER MESSAGE	Station Range

User PGM Code	Item Description	Remark
Ð ÁKT ØÁÆÞÞUWÞÔÒT ÒÞ	vÁ .	
€Î FÁ	ŠOÙVÒÞÁKTÁŒÞÞUWÔÒTÒÞVÁ	
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€ ÁNÙÒÜÁÚÜUÕÜŒTÁ		
<b>€</b> FÁ	ÙVŒØÞÁÞŒTÒÁ	Ùcæāj} ÁÜæ) *^Á
€ GÁ	ŠŒĐÕWŒÕÒÁÚÜUÕÜŒTÁ	Ùcæaji } ÁÜæ) *^Á
€ÏHÁ	ÚÜ ÒÚOKÖÁÔOKŠÁ	Ùcæaj } ÁÜæ) * ^ Á
€ÏIÁ	ØÒŒWÜÒÁÔŒĐÔÒŠÁ	Ùœaaj } ÁÜæ) *^Á
€Ì ÁÙŸÙVÒT Á		
€ÌFÁ	ÖŒŸÐÞŒÕPVÁÚÜUÕÜŒTÁ	
€ GÁ	T UÞQYUÜÁÔUÞØÁÜUUT Á	
€ÌHÁ	ØUÜÔÒÖÁÖÒŠÒVÒÁÔUÞØÁÜUUT Á	
€ÌIÁ	ÚÚVÚÁÔUÞÞÒÔVQJÞÁ	Ü^*ã¢'\^åÁÛ^\ç^\Áp`{ à^\Á
€JÁNÙÓÁ		
€JFÁ	ùu <i>ø</i> vy ŒÜÒÁNÚÕÜŒÖÒÁ	
€JGÁ	ÖÓÁÖUY ÞŠUŒÖÁ⁄UÁWÙÓÁ	
€JGÁ €JHÁ	ÖÓÁNÚŠUŒÖÁVUÁNÙÓÁ	

## **OPERATION**

Attendant

To activate an Attendant Station Program Code Feature or Function:

- Press the [PGM] button, the Attendant Station Program Menu is displayed.
- 2. Dial 0 to access the Attendant Station Program codes (Display Menu).
- 3. Enter the desired code. OR
- 4. Use the [VOL UP]/[VOL DOWN] or [NAVI UP]/[NAVI DOWN] button to display the desired menu item and enter the desired code.
- 5. Enter any additional inputs, if required.

### **PROGRAMMING**

## Tenant Data

Attendant Group Assign (PGM 270) ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

## **RELATED FEATURES**

Station Message Detail Recording (SMDR) ... see page 3-187

Traffic Analysis ... see page 3-250

Temporary Station COS/Lock ... see page 3-68

Authorization Codes (Password) ... see page 3-5

System Clock Set ... see page 7-42

VMIB Integrated Auto Attd/Voice Mail ... see page 3-258

Auto Service Mode Control ... see page 3-10

## **HARDWARE**

Digital Phone

# **Attendant Call/Queuing**

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#### CONDITIONS

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## **OPERATION**

To call the Attendant:

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## **PROGRAMMING**

#### Tenant Data

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# Day/Night/Timed Ring Mode

The System Clock automatically controls Ring Mode; Ring assignments are applied based on the Time of Day and Day of Week. Three modes of ring (Ring Assignments) are provided: Day, Night and Timed.

The Attendant controls the System Ring Service mode changing from Auto Service Mode to Day, Night or Timed Service mode. Based on the Service Mode selected, different Ring Assignments, COS and Answering Privileges are invoked for System Users.

## CONDITIONS

- Only Attendants can change Day/Timed/Night Ring Mode for the System manually and program the Auto Ring Mode Selection Table.
- A Station can receive Incoming Calls for CO Lines based on the Database assignments and the System mode (Day/Night/Timed) when the Call arrives.
- When the Auto Ring Selection Table is programmed, Ringing, COS and CO/IP Access mode are changed automatically based on Times assigned in the Table.
- The Attendant always has manual control of System mode by Enabling/Disabling the Auto Service Mode Control.

## OPERATION

### Attendant

To modify Day/Timed/Night Ring Mode manually (Attendant Only):

- 1. Press the [PGM] button.
- 2. Dial 0 8 1 {Day/Night Program code}.
- 3. Select Tenant Number (0=All, or 1-9).
- Select Ring mode (0=AUTO, 1=DAY, 2:=NIGHT, 3=TIMED). OR
- 1. Dial the {Day/Night Program Feature Code}.
- Select Tenant Number (0=All, or 1-9).
- Select Ring mode (0=AUTO, 1=DAY, 2:=NIGHT, 3=TIMED).

To set Day/Timed/Night Ring Mode automatically (Auto Service Mode Control):

- 1. Press the [PGM] button.
- Dial 0 8 1 {Day/Night Program code}.
- Select Tenant Number (0=All, or 1-9).
- Select Auto Ring mode (0=AUTO).

OR

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## **PROGRAMMING**

Numbering Plan

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Table Data

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PGM 254	BTN	RANGE	DEFAULT
Wednesday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	3	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Thursday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	4	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Friday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	5	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Saturday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	6	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Sunday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	7	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

## Tenant Data

Attendant Group Assign (PGM 270) ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

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### **RELATED FEATURES**

Ù^• e^{ { ÁÔ|[ &\ ÁÛ^co Á^^Á;æt^Ï Ё G Š[ ˇåÁÓ^||ÁÔ[ } d[ |ÁÇŠÓÔD Á^^Á;æt^ HЁFÎ Öædd] \* ÁÜ^• dæða] } • o Á^^Á;æt^ HÊ H OE d ÁÛ^¦cæð^ÁT [ å^ÁÔ[ } d | Á5 Á^^Á;æt^ HЁ €

## **DSS/DLS Consoles**

 $V@ÂÛ^{\bullet} e^{\{} \acute{a}e^{j} [ \bullet \acute{a}e^{j} \acute{A} \} | \~a \~a^{a}\acute{A}_{i}^{*} \{ \verb"a^{i}\acute{A}_{i}^{*} \acute{A}OUUEOSUÃO[ \} \bullet [ | ^{\bullet} \acute{A} [ \acute{a}e^{j} \acute{A}e^$ 

#### CONDITIONS

- ËÁ Òæ&@ÁÖÙÙBÖŠÙÁÔ[}•[|^ÁarÁæ••ã\*}^åÁq[Áq]^¦ææ^ÁajÁ&[}}^&æā[}Å,ãc@ÁæÁ•]^&ãæÁÜææā[}È

EZ-Attendant 7-41

Chapter 7: Attendants

## **PROGRAMMING**

Station Data

Station Type (PGM 120) ... see details on page A-23

Tenant Data

Attendant Group Assign (PGM 270) ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

## **RELATED FEATURES**

Station Flexible Buttons ... see page 6-21 DSS/BLF... see page 4-1

# **EZ-Attendant**

The ez-Attendant is a Windows-based PC application that provides a visualization of the Attendant functionality to simplify Attendant control of Features and Functions including Call Display, and User and System status. ez-Attendant operates in conjunction with the Attendant Digital Phone to simplify overall operation (refer to ez-Attendant Installation and User Guide).

## **OPERATION**

### Attendant

Operation of the ez-Attendant is described in detail in the ez-Attendant Installation and User Guide.

## CONDITIONS

ez-Attendant requires installation of a System Lock-key.

## **PROGRAMMING**

## Tenant Data

ÚÕT ÆÏ €	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
OS/VÖÁÕÜÁ/ŸÚÒÁŒÄÖ^-4}^•Ás@Ás]^Á,-ÁŒc^}åæ)oÁt¦[ˇ]È	F	⊕ Á √ ¦{ āj æ þ F K Ó ā & '  æ b G K Ü āj * HK Š [}* ^ • α ∕ G	€
O5/VÖÁÕÜÁ>OETÒÁEÄÖ^-4}^•Ás@\Á; æ(^Á; Ásæc^}åæ) oÁ';[ˇ]È	G	Tæ¢Á√rî	Ë
ÔUÁQE/ÖÁÞWTÓÒÜÁEÄÖ^-4}^-Áæz^} åæ) ó%ed Á,`{ à^¦Á;¦ÁÔUÁ;}^È	Н	Tæ¢Ái	Ë
T ÒT ÓÒÜÁCEÙŐÁEÄCE• ã}•Árcæái}•Áæ•Á; ^{ à^¦•Ár-Áæ)ÁCcc^}åæ)cÁ *¦[ˇ]È	I	Ë	Øã•oÁÙcæeã[}

# **System Clock Set**

V@ ÁŒc^} åæ) cÁsæ) Á ^ cÁc@ ÁÛ^• c^{ Á/ã, ^ EÖæc^ÈÁ

## **OPERATION**

### Attendant

To set the System Date:

FÈ Ú¦^••Ás@·ÆÚÕTÆÁ°α[}ÈÁ

HÈÒ} c^\Áo@ ÁÖæc^ÁÇT T ĐÖÖĐŸŸ DĐÁ

IÈ Ú¦^••Ác@ ÁÃÙOEXÒáÁs ˙ co[}ÉÁsæÁs[}~ál{ æcā[}Áq[}^Áse Á@ ædåĚÁ

To set the System Time:

FÈ Ú¦^••Ás@ÁŽÚÕTÁÁaˇcd;}È

 $\begin{array}{lll} \text{CE} & \ddot{\text{O}} & \ddot{\text{A}} &$ 

HÈ Ò} c^\Ác@ Á/ã ^ÁCP PĐT T ĐẾÁ

IÈ Ú¦^••Áx@ ÁÃÙOEX ÒáÁs co[}ÉÁseÁS[}-ã{ æcā[}Ás[}^Ás[A@ æbåĚÁ

#### **PROGRAMMING**

Tenant Data

## Attendant Group Assign (PGM 270) System Data ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

## System Date & Time (PGM233) ... see details on page A-94

PGM 233	BTN	RANGE	DEFAULT
SET SYSTEM TIME/DATE Sets the system time.	1	HH:MM	-
SET SYSTEM TIME/DATE Sets the system date.	2	MMDDYY	-
DST ENABLE MODE Enables DST feature for System Time.	3	0:Off 1:On	0:Off
- DST START TIME The DST start time.	Web Only	See DST Table	2nd Sunday of March at 2:00 AM
- DST END TIME The DST end time.		See DST Table	1st Sunday in Nov., at 2:00 AM

## **RELATED FEATURES**

Least Cost Routing (LCR) ... see page 3-112

Station Message Detail Recording (SMDR) ... see page 3-187

Auto Service Mode Control ... see page 3-10

Day/Night/Timed Ring Mode ... see page 7-37

# **USB Upgrade**

The Attendant can upgrade the System via USB memory. USB upgrade could be executed using the Attendant Keyset. Before upgrading, a User must save the System ROM file (GS55(56)MXXXX.rom) in USB memory.

### **OPERATION**

### <u>Attendant</u>

To upgrade the System using the Attendant Keyset:

FÈ Ùæç^ÂÛ^•c^{ÁÜUTÁaţ^ÁQÕÙÍÍQÍÎDTÝÝÝÝÈ[{DÁŞÁNÙÓÁ;^{[¦^ÈÁ

QÈ Q.• ^ loác@ ÁNÙÓÁ, ^{ [ l^ Ág Ás@ ÁNÙÓÁ, [ loág Ás@ ÁT ÚÓÁs[ælå ÉÁ

HÈ Ú¦^••Ás@AŽÚÕTÁÁ°cd}À

 $I \stackrel{.}{E} \stackrel{.}{O}$   $\stackrel{.}{a}$   $\stackrel{.}{A}$   $\stackrel{.}$ 

MOUNT USB MEMORY PLEASE WAIT...

ÍÈ Þˇ{à^¦Áį,-ÁÙ^• &^{ ÁÜUTÁ¾A^•ÁŊ,ÁWÙÓÁ; ^{ [¦^Áa;Áåã] |æ^åÈ

ROM FILE NUM: TOTAL 2 PRESS 0-1 TO VIEW FILE

ÎÈ Öãæ Ás@Áro\*{à^¦Á; ÁÛ^•ơ^{ÁÜUTÁ ÃPÁ; Ásãa]|æ Ás@Ásæ]]¦[]¦ãæe^ÂÛ^•ơ^{ÁÜUTÁ ÃPÁ }æ{^È

> 0: GS56MA0Aa.rom PRESS [HOLD] TO UPGRADE

ÏÈ Ú¦^••Ás@ ÁÃP UŠÖÁÁs cd[}Áq ÁN]\*¦æå^Ás@ ÁÛ^•c^{È

0: GS56MA0Aa.rom PRESS [HOLD] TO UPGRADE

ÌÈ Ø[||[¸ā]\*ÁN]\*¦æå^ÁÜ^•ˇ|ơਓa Áåãa]|æê^åÁæ}åÁs@ ÁS^^•^oó¸ā|Á^č¦}Áq Ás@ ÁGa|^Ácæe^È

SOFTWARE UPGRADE USB UPGRADE SUCCESS

JÈ Ü^•ædók@AÛ^•¢^{ ÈÁÁ

## CONDITIONS

## **PROGRAMMING**

Tenant Data

## Attendant Group Assign (PGM 270) ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

# USB DB Up/Download From/To USB

The Attendant can upload/download the System database via USB memory. USB upload/download can be executed from the Attendant Station.

#### **OPFRATION**

### <u>Attendant</u>

To download the System Database using the Attendant Keyset:

- 1. Insert the USB memory to the USB port in MPB board.
- 2. Press the [PGM] button.
- 3. Dial 092 {Attendant Station Program code}; the display will be as shown.

DB DOWNLOAD TO USB PRESS OK/SAVE KEY

4. Press the [HOLD] /[OK] button to download the database.

DB DOWNLOAD TO USB PLEASE WAIT...

5. Following download, the result is displayed and Keyset will return to Idle.

DB DOWNLOAD TO USB **DOWNLOAD SUCCESS** 

To upload the System Database using the Attendant Keyset:

Œ Ú¦^••Ás@AŽÚÕTÁÁa cd;}ÈÁ

 $\overrightarrow{HE}$   $\overrightarrow{Oate}$  $\overrightarrow{AE}$  $\overrightarrow{HA}$  $\overrightarrow{Oate}$  $\overrightarrow{AE}$  $\overrightarrow{$ 

MOUNT USB MEMORY PLEASE WAIT...

IÈ Þˇ{ à^¦Áį ÁÖÓÁā^•ÁS ÁNÙÓÁ; ^{ [¦^Ás Ásã] |æ^åĚÁ

DB FILE NUM: TOTAL 2 PRESS 0-1 TO VIEW FILE

ÍÈ ÖãnĐÁS@Áp $^*$ { à^¦Á; AÖÓÁaPÁ; Ásãa]|aê Ás@Ása]|;[]¦ãnæ $^*$ AÖÓÁaPÁ; a¢  $^*$ EÁ

0 :MBX IPDB\_ALL090101.adm PRESS [HOLD] TO UPGRADE

ÎÈ Ú¦^••Ás@ ÁÃP UŠÖáÁs c[}Á[Á]|[æåÁs@ ÁÖæææàæ•^ÈÁ

ÏÈ Ø[||[ ā,\*ÁN]|[æå,ÉÁs@,Á^• ĭ|oÁā,Áåãā]|æê,^å,Áæa)å,Ás@,ÁS^^• ^oÁ,ā|,Á^c¦},Áq[,ÁQa|,^ÈÁ

209 DB UPLOAD FROM USB UPLOAD SUCCESS

ÌÈ Ü^•œekoÁs@^ÁÛ^•e^{ÈÁÁ

#### CONDITIONS

- ‴ÖÓÁN]|[æåÁØ^æč¦^Á&æ)Á\*]][¦σÁ]ÁqÁ∓€ÁÜUTÁq æ\*^Áa}^•ÁædÁœÁÆ?}åæ)σÁS^^•∧cÈ
- ‴Ö[¸}|[æå.Á&æ),Áà^Á;^¦ç&&^å.Áà^Á\ÔŠÞÒVÁQÁÁ.•à.Áå[¸}ÓÁB,Á;æe^}æ),&^Á;[å^DÈ

## **PROGRAMMING**

Tenant Data

## Attendant Group Assign (PGM 270) ... see details on page A-118

PGM 270	BTN	RANGE	DEFAULT
ATTD GR TYPE Defines the type of Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0
ATTD GR NAME Defines the name of attendant group.	2	Max 16	-
CO ATD NUMBER Defines attendant call number for CO line.	3	Max 4	-
MEMBER ASG Assigns stations as members of an Attendant group.	4	-	First Station

## Chapter 8

# **Single Line Telephone**

## **Broker Call**

Broker Call allows an SLT User to engage in 2 Calls, alternating between the two Parties, so that the conversation with each Party is private.

There are two types of Broker Call:

- Transfer Broker Call 2nd Call is originated by the SLT user.
- Call-Wait (Camp-On) Broker Call 2nd Call is delivered to the SLT through a Call-Wait.

### CONDITIONS

- After a Hook-Switch (Flash), if the Call results in an Error, Busy, No Answer or an Abnormal State, the SLT User may shortly press Hook-Switch to retrieve the Held Call.
- During a Transfer Broker Call, if the SLT User goes On-Hook, the Broker Call Parties are connected (Call Transfer).
- During a Transfer Broker Call, if the active caller disconnects from the SLT User, the Held Party, if another Station, is connected to the SLT.
- During a Call-Wait Broker Call, if the SLT User goes On-Hook, the Active Call is disconnected and the Held Call will Recall to the SLT.
- During a Call-Wait Broker Call, if the Active Party disconnects from the SLT, the SLT User receives an Error tone; after the SLT User goes On-Hook a Recall will be received.
- If after a Hook-Switch (Flash), the User takes no action for duration of the Dial Tone Timer, the SLT will receive an Error tone; once the SLT goes On-Hook, the SLT will receive a Recall automatically.

## **OPERATION**

### SLT

To activate a Transfer Broker Call:

QÈ Ú|æ&^ÁæÁ^&[}åÁÔæ||ÈÁ

HÈ V[Ásqto^t] ase^Ás^c, ^^} Ásaqto ÉÁ @ to Áso Ár[[\ EÙ, ãos.@ÉÁ

To activate a Call Wait Broker Call:

QÈ V[Ásqe?\}æe^Ási^ç ^^} ÁÔæq|• ÉÁ QQ \q^Áj \^••Ás@AP[[\ËÙ] ã&&@ÉÁ

## **PROGRAMMING**

Station Data

 $P[[\ \dot{A}O] \approx @A[\ \dot{A}] * @\ \dot{A}] * @\ \dot{A}] * = \ \dot{A}[\dot{A}O] * OT * AFGI * \dot{A}OS * OY * AB * OF * A$ 

ÚÕT ÆG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
PUUSÁZŐŠOEÙPÁY PÒÞÁYÜCÐÞÙZÓÜÁEÄÖ\C\{ ā, ^Ás@Á []^¦ææā;}Á, @}Á•^¦Á;!^••ÁQ[\˦æ•@Ás`œ[}Á, @A\Á dæ)•-^¦¦ā;*ÁsæqlÈ €ÈÓæ;8\n/Ásæ;4-A\ÁÁŠ;[]Ás`;!^}óAsæqlÁæ;åÁ^&[ç^¦Á ]!^çā[*•ÁsæqlÁrBÁÖ;[\^¦ÁKQ åÁs`;!^}óAsæqlÁæ;åÁ^&[ç^¦Á ]!^çā[*•Á@ åÁsæqlÁDÉÖ[}-^!^}8\K*•œæàlā*@ÁrË;æéÁ &[}-^!^}8\ÁsæqlÉARÉÖ;[\^¦ÉÖ[}-ÁAGU]^¦æc^åÁÖ;[\^¦Á æ)åÁÔ[}-^!^}8\ÁsæqlÉARÉO;[\^¦ÉÖ[}-ÁAGQ[\Á;æc@Á;ãc@á;ÁGÁ^&		€nkÔæ) &^ Á/æ) • Δ¦ FnkÓ[{\^¦ GnkÔ[} Δ¦^} &^ HnkÓ[[\^¦ËÔ[}~	Ôæ) &^ Á/;æ) • -^;

#### RFLATED FFATURE

Ôæ|Á/¦æ)•-^¦Ás Ár^^Ájæ\*^ H<u>Ü</u>-€

# **Hook-Flash Mode**

\[Aj\|@aaaaaa)^Aj^\carentarian An\|carentarian 
- Űãranà |^ÁT[å^ÁÁY @ }ÁP[[\ËØ|æ•@Ás^c^&c^åÊÁs@ Á,¦^çā[ઁ•ÆŠā]^Á,ā|Ás^Á&[}cā]č^åÊÁse)åÁ c@ ÆŠā]^ÆsA[cÆÖ|[]]^åEÁ
- Ø|æe @ÁÖ|[]ÁÁY @}ÁP[[\ÊØ|æe @ÁØ|æe @Áå^c^&c^åÊÃ,\^çã[ˇ•Á&[}ç^\;•ææā[}Á¸ã|Áå^Á
  åãa&[}}^&c^åÊÁ
- ‴ Ø|æ•@ÁQ}[¦^Á.ÁQΕ|ÁP[[∖ΕÖ|æ•@Áná5t}[¦^åΕĂ

8-3

 Hold Release – During the conversation when a SLT user hook-flashes, the previous line is placed on hold; if the SLT user hangs-up without being transferred, the previous line will be disconnected automatically.

### **PROGRAMMING**

#### Station Data

Hook Flash Mode (PGM 132 FLEX 7) ... see page A-33

PGM 124	BTN	RANGE	DEFAULT
HOOK FLASH MODE 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.	7	0: Flash Normal 1: Flash Ignore 2: Flash Drop 3: Hold Release	Flash Normal

## **HARDWARE**

SLT

## **Howler Tone**

When an SLT station goes Off-Hook and does not initiate dialing for the duration of the Dial Tone Timer, delays dialing between digits in excess of the Inter-Digit Timer, or stays Off-Hook at the completion of activating a Feature or Program, the Station will present the Howler tone as an Error indication and the Call attempt will be abandoned. In order to complete the Call, the User must return to On-Hook and restart the Call.

## CONDITIONS

- Howler Tone is sent after Error tone.
- Lock-out occurs when Howler tone starts.

## **OPERATION**

## System

The System will deliver a Howler tone automatically, as required.

## **PROGRAMMING**

#### Station

ÚÕT ÆGF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
PUY ŠODO ÕÁ/UÞÒÁĒËÁ^œÁOE;[}^{[ێ•ÁÔæ ÁÜ^•dæ3cÁ^¦çæ3cĚÁ Ú^¦{ã erÁP[¸ ^¦Áq;}^Áq;Áa^Áa^}cÁq;Áæ)ÁÙŠVÁ;@}Áj@}^Áa@}^Áa-Á [~Ë@[\È	Ϊ	€KÁU~ FKÁU}	U}

## **RELATED FEATURES**

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# **SLT Message Wait Indication**

#### CONDITIONS

- ËÁ V@ ÁÛ^•¢^{Á, āļÁ, ã&@ÁsaÁÙŠVÁJ€ÁKÖÔÁæ{ ]ÁU}Ása)åÁU~ÁQØ|æ•@DÉÁ
- ÉÁ CŒ;c@(`\*@Ác@AÛŠVÁÓæec^\^ÁØ^^åÆeÁ^{[ç^åÁs`\ā,\*Ás@ÁJ€ÁXÖÔÁU}ËS^&\^ÊÁs@ÁÛ^•c^{Á , ālÁ^&[\*}ã^Áæ;ÂÚŠVÁU~ÉP[[\Árç^}dĚ
- ĒÁ V@ ÁÙŠVÁ; ˇ•ơÁŞ &[¦][¦ææ^ÁæÁJ€ÁXÖÔÁ,^[}Áæ{]Ás@ææÆ Á&[}}^&c^åÁsā^&d^Ásæ&'[••Ás@ Á cā,Ása}åÁā,\*Á,Ás@Ás[ā&^Á,^c,[¦\ĚÁ

### OPERATION

## System

V @ ÂÛ^• c^{ Á, ā|Án, ão& @Ás@ ÁJ €ÁX Ö ÔÁpæ{ ] ÁU} Ásep å ÁU ~Á(¦Án) æà |^å ÁÛŠV•Á(¦Áşãa ĕæpÁT^••æt^Á Y æãoÉsep å Á, ā|Á,¦[ção ÁseÁUc co^¦Ás ão HÁg Áse Áse) Áse à ão |^ÁT^••æt^Á/æão Hág à & æðo BÉÁ

#### PROGRAMMING

#### Station Data

Ùcæaā[}Á^]^ÁQÚÕTÁFG€ÁØŠÒÝÁFDÁSÁA^^Á;æ\*^ŒÜH

### **HARDWARE**

ÙŠVÁ, ÐJ€ÁXÖÔÁÞ^[}Áæ(]ÁÁÁ

# **SLT Name Registration**

A SLT user has the capability to program the User Name so that a Calling Station with an LCD can see the associated Name instead of the Station number.

#### **OPERATION**

SLT

To register a name at the SLT:

- 1. Lift the handset.
- 2. Dial {Name Register Feature Code}.
- Enter name (refer to Alphanumeric Chart on page C-1).
- 4. Press the Hook-Switch; the confirmation tone will be heard.

To delete the Name at the SLT:

- 1. Lift the handset.
- 2. Dial {Name Register Feature Code}.
- 3. Press the Hook-Switch; confirmation tone will be heard.

## RELATED FEATURES

```
Dial-by-Name ... see page 3-60
Station Speed Dial ... see page 3-147
```

Chapter 8: Single Line Telephone

## Chapter 9

## SIP Phone

# **SIP Terminal Registration**

The System supports the SIP-based videophone, LVP-2000, as well as other third party SIP phones. Compatible SIP phones support the Internet Engineering Technical Committee standard RFC3261 for real-time communications over the Internet. Once registered, the System will deliver services to the SIP Phone. Operation of the SIP Phone generally follows the steps outlined for an SLT.

#### CONDITIONS

- The SIP Phone not supporting standard SIP protocol is not supported.
- Support for 3rd-party SIP phones requires a license.
- The 3rd-party applications supporting standard SIP protocol can be registered.
- The System checks the SIP status periodically; if the System does not receive the 'REGISTER' message from the SIP Phone in Registration Time, the SIP Phone registration attempt is cancelled.
- A VOIB channel is needed for the SIP Phone to Place or Receive Calls.

#### OPERATION

### Web Admin

To register a SIP Phone:

- Select IP Phone Registration Table.
- Enter the Auth ID, Password, and User ID of SIP Phone.
- Click the Save button.

#### SIP Phone

- 1. Configure SIP Phone settings (ex. IP address, Subnet mask, Gateway, Telephone number, Proxy Address, Expiration Timer, etc.); the Telephone is the Station number to be assigned to Phone by System and the Proxy Address is the System MPB IP address.
- 2. Boot the SIP Phone, which will activate registration with the System.

# **SIP Name Registration**

# **SIP Placing Calls**

 $V@A\hat{U}OMA\hat{U}Q}^{A}OMA\hat{U}Q}$ 

## **CONDITIONS**

- ËÁ V@ ÁÙOÚÁ, @}^Á; ˇ•óÁs^Á^\*ã•c^¦^åÁ&[;¦^&d^Ág Ás^Á;]^¦ææã;}æþÉÁ
- ËÁ OFçædaðaða|^Á^æc`¦^•Á, @^}Á, æð ā, \*Ásæd|•Áa, &|`å^kÁ
  - ËÁ Qich: &[ ÁÔæ|Á
  - ËÁ ÔUÁŠã, ^ÁÔæļÁ
  - EÁ OS/ÖÁÔæ|Á
  - ËÁ Ôæ|ÁÚã& ËM]Á
  - ËÁ Ù^∙c^{ÁÛ]^^åÁÖãæþÁ
  - ËÁ Ùoædā[}ÁÕ¦[ˇ]ÁÔæ||Á
  - ËÁ Q, e^ \ ] @ \ ^ AÕ \ [ ` ] AÔ a | Á
  - ËÁ Ô[}~\\^}&\AÜ[[{
  - ËÁ Úæťā, \*Á, ¦ÁT^^dË, ^ÁÚæť^Á
  - ËÁ OE} [ \* } &^{ ^} oÁ
  - ËÁ X[ã&^{æãpÁ
  - ËÁ Ôæ∥ÁÚæ\ÁÜ^•][}•^

### **OPERATION**

To place an Intercom Call:

- FÈ Öãnd Á cancaí } Á, { à ^ l ÉÁ
- Œ Ú¦^••Á@ÂŬWŨUŒÕÃð α[}Á;}ÁœÂŨŒÁÛŒÁÚŒ}}^ĔÁ

SIP Call Pick-Up

Chapter 9: SIP Phone

9-3

To place an External Call:

- 1. Dial the {CO Access Code} and telephone number.
- 2. Press the [OUTGOING] button on SIP Phone

## SIP Call Pick-Up

The SIP phone can Pick-Up Intercom or Incoming CO Line Calls for other Stations.

### CONDITIONS

- For SIP Phone Features (ex., Receive Calls, etc.) to work, the phone must be enabled with those features and be able to place a call using its own function.

### **OPERATION**

To answer an Incoming call:

When Ringing is received and caller number is displayed, lift handset or press [ANSWER] button on SIP Phone.

## **SIP Hold Call**

The SIP Phone can place an Active Call on Hold.

### CONDITIONS

- If the SIP phone has a Call Hold Function, it will not operate correctly if the Hold message is not compatible between the SIP Phone and the System.

#### **OPERATION**

To place an Exclusive Hold:

While on an Active Call, press the [HOLD] button; the Call will be placed on Exclusive Hold, and will not be able to be accessed by other Stations.

# **SIP Transfer Call**

The SIP phone can Transfer an Active Call.

Chapter 9: SIP Phone

#### CONDITIONS

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### **OPERATION**

To Transfer an Active Call:

## **SIP Call Forward**

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### CONDITIONS

EÁ QÁc@ ÁÙQÚÁ, @}^Áœæ ÁæÁÔæHÁZ[; ætåÁZ) 8cā[}ÊÁsÁ, āHÁ,[cá[]^!ææ^ÁS[!!^8d^ÁsÁc@ ÁÔæHÁ Z[; ætåÁ; ^••æ\*^ÁsA,[cáS[{]æsãa|^Ás^c; ^^}Ás@ÁÙQÚÁÚ@}^Ásæ}åÁc@ÁÙ^•æ^{ÈÁ

#### **OPERATION**

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# SIP Do Not Disturb (DND)

## **CONDITIONS**

ËÁ QÁs@ ÁÛQÚÁ, @}^Áœæ ÁæÁÖÞÖÁØ\* } &cã; } ÊÁsóÁ ālÁ; [cá;]^!ææ^Á&[!!^&d^ÁsáÁœ ÁÖÞÖÁ; ^••æ\*^Á ã Á; [cá&[{]ææãa|^Ás^ç,^^}Ásœ ÁÛQÚÁÚ@}}^Áæ; åÁsœ ÁÛ•e^{{EÁ}

### **OPERATION**

To Activate DND:

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# SIP 3-Party Conference

The SIP phone can make a 3-party conference.

#### CONDITIONS

If the SIP phone has a Conference Function, it will not operate correctly if the Conference message is not compatible between the SIP Phone and the System.

### **OPERATION**

Refer to the Phone User Guide to set up a Conference.

## SIP Call Wait/Broker Call

The SIP phone can initiate Broker Call when the SIP Phone User receives Call Wait indication.

#### CONDITIONS

If the SIP phone has a Call Wait/Broker Call Function, it will not operate correctly if the Call Wait/Broker Call message is not compatible between the SIP Phone and the System.

### **OPERATION**

Refer to the Phone User Guide to initiate Broker Call.

## SIP SMS

The SIP phone can Send and Receive SMS messages with other Stations.

#### CONDITIONS

If the SIP phone has a SMS Function, it will not operate correctly if the SMS message is not compatible between the SIP Phone and the System.

## OPERATION

Refer to the Phone User Guide for SMS.

## **SIP Voice Mail Notification**

### CONDITIONS

EÁ QÁS@ÁÙŒVÁ, @}^ÁœæÁsæÁ[38^{ æðÁØ} &æðÁ] £ÁsóÅ å|Á, [oÁ, ]^|ææ^Á&[||^&d^ÁsÁs@ÁX[38^{ æðÁ ã Á, [oÁs[{]}æðá|^Ás^c, ^}Ás@ÁÙŒ)ÁÚ@}^Ásæ}åÁs@ÁÙ•e^{\ È

### **OPERATION**

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## SIP Video Call

### CONDITIONS

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- ËÁ V[Á; æà^ÁæÁxãå^[ÁÔ[}-Δ\^}&^ÊÃωÁæÁşÁ,^&^••æôÁq[Á@æç^Áæ)Áæååããq]}æÁxãå^[ÁÔ[}-Δ\^}&^Á Ù^•œ^{Áç¢ÊÃÓÚЁ[[^&[{ DĚÁ

#### **OPERATION**

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# **ACD (Automatic Call Distribution)**

ACD (Automatic Call Distribution) feature provides the service to distribute calls to agents in an efficient way. Each agent can set or change own specific state and get ready to receive the ACD calls. And supervisor can be assigned to each group and they can change the ACD group status.

Items	MBX IP 100	MBX IP 300
Number of ACD Group	20	50
Number of Supervisor	1	1
Number of Sub-Supervisor	3	3
Number of Agents	50	50
Max Queue Count	99	99
Max Steps for Queue Announcement	5	5
ACD Agent Priority	20 (1-20)	20 (1-20)

## **ACD Basic Feature**

ACD calls are analyzed first by the system to find an appropriate agent who will receive the call. System selects one of the free agents and then directs the ACD call to the agent selected.

Each agent registered in admin has to log in first to receive an ACD call. If all the agents are in busy status or in logout status, the next ACD calls will be queued. When one of the agents goes to ready state or idle state, the queued ACD call is routed to the agent in ready state. While an ACD call is being queued, queuing announcement will be served.

- ACD Group has 5 types of status: Normal / Forward / Overflow / Night / Holiday. Each status of ACD calls can be handled at the same time.
- Each ACD group can have one Supervisor and three Sub-Supervisors. A Supervisor or Sub-Supervisor can monitor the state of an agent and can also check the group's call traffic.
- Each ACD group can have a maximum of 50 agents. To answer the ACD call, agents have to log-in.

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#### CONDITIONS

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- EÁ QÁţ}^ÁT^EÖÞÁ¸ˇ{ à^¦Áṣ Áṣe•â}^aÁq; lÁÛ¸]^¦çã[¦Æsó⁄sæá}[ oÁs^ÁṣæÁÛ¸àĒÛ¸]^¦çã[¦Á; lÁsè, Á OĒ^}oÁ; ^{ à^¦EÒÁ¸}^ÁT^ĒÖÞÁ¸ˇ{ à^¦Áṣ Áṣe•â}^aÁq; lÁÛ¸àĒÛ¸]^¦çã[¦Æsó⁄sæá}][ oÁs^ÁṣæÁÛ¸]^¦çã[¦Á; lÁsè, ÁOĒ^}oÁ
  Û¸]^¦çã[¦Á; lÁsè, ÁOĒ^}oÁscÁ¸bēÁ¸) [ oÁs^ÁṣæÁ)¸]^¦çã[¦Á; lÁsæÁÛ¸àĒÛ¸]^¦çã[¦È

- ÉÁ CEÁ{ ājārdæ [¦Ásæ)Áæ••āt}Á;¦ā[¦ācÁ[Á׿&@Áæ±^}oÁs]Ásæå{ ājÁŠÚÕTFG!ÁÄÖØŠÒÝÁRFÆÄÜæ)\*^Á [-Á,¦ā;¦ācÁsÁ;[{ÁFÁ;ÁO€EÄŠ[,^¦Á,`{à^¦•Á@æç^Á@āt@\Á,¦ā;¦ācÈ
- EÁ QÁĐÁ •^¦Á, æ) Áṇ Átæ; △¦ÁĐÁSŒ; ÁĐĐÔÖÁ; [ˇ] ĒÁSŒ; ÁSŒ; ÁSŒ; ÁJĀÁ ^ÁŒ; à|^áÁĐ; Á]) ^Á

  ˇ}•&!^^}^åÁtæ; △¦Á^æč; '^ÉÁJ[ĒÁ, @}Á •^¦Á; æ) ÁŋÁ; Á; æ) ÁÞÁ; ÁÐÔÖÁ

  \*![ˇ] ĒÁSŒ ÁSŒ; Á¸ ĀļÁs^ÁsĀ^&QÂ; Átæ; △¦¦^åÁ; ÁSŒ ÁDÊÔÖÁ; [ˇ] ÁÐ; åÁSŒ Átæ; △¦Áṣ ÃŒŒ; ¦Á

  \*[^•ÁṭÁSĒ|^Á;ŒÆ^ÁEč[{ ææðæ; ÈĚ

#### **OPERATIONS**

#### Agent Log-In

- FÈ Öãæ Á, O ĐÔ ÖÁ CĒ^} oÁŠ[\* ËQ; ĐU ˇ o Á^ æ æ ˙ ¦^ Á&[ å^ È O R
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- HÈ QÁSE\*^} ơÁS ÁŞ ÁĮ \*˸ ŏÁ cæe\* ÉÁSE\*^} ơÁS Á¸ \*ÖÁŞ Á¸[ \*˸] Á cæe\*È

4. If [Password Check When Agent Login] is set in admin [PGM214-Flex8], agent has to enter password on log-in. If password is correct and agent is in log-out state, agent enters into log-in state.

#### Agent Log-Out

- 1. Dial {ACD Agent Log-In/Out} feature code. OR
- Press flex button registered as {ACD Agent Log-In/Out} feature code.
- If agent is in log-in state, agent is put into log-out state.

### ACD Call Operation

- 1. If an ACD call arrives, system automatically finds an idle agent (not in DND and not in Work Mode).
- 2. If there are more than one idle agents, system check the priority of each agent and then one of longest idle agents will be chosen from the highest priority group.
- 3. If there is no available agent, the ACD call will be gueued and ACD announcement service is started.

## **PROGRAMMING**

## Numbering Plan

Feature Numbering Plan (PGM113) ... see details on page A-17

ACD Numbering Plan (PGM118) ... see details on page A-22

PGM 118	BTN	RANGE	REMARK
ACD GROUP RANGE ACD Group Number edit by range.	1	Start ACD Group Number & End ACD Group Number	-
ACD GROUP NO ACD Group Number edit.	2	ACD Group Number	-

### Station Port

Station Port Attribute (PGM124) ... see details on page A-27

PGM 124	BTN	RANGE	DEFAULT
MSG WAIT INDICATION this menu determines the way to notify a station to wait message.	1	01-48	MW Remind Tone
APPLY DIFF RING determine user's differential ring mode. Applying to all ring mode or normal ring mode.	2	1-9	All Ring
ICM DIFF RING ID set the intercom differential ring ID – usually 1-4 is valid.	3	000-254	On

ÚÕT ÆG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
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PUUSÁØŠŒÜPÁY PÒÞÁÜŒÞÙØÒÜÆËÄÖ^¢¦{ ¾ ^Ás@Á []^!ææ¾}Á, @}Á•^!Á;!^••Á@[\Ë æ•@Á* œ[}Á, @A^Á dæ)•~!!¾*Ásæ È €ĬÄÔæ)&% Átæ)•~!ÁÁŠ![]Á&`!!^}ó%sæ Áæ)åÁ^&[ç^!Á ]!^ç¾`•Áæ ÁFĬÄÓ![\^!ÁÁ@ åÁ&`!!^}ó%sæ Áæ)åÁ^&[ç^!Á ]!^ç¾`•Á@ åÁsæ ÁŒĬŐ[}~!^}&%\Á•œ@Á*æ)åÁ%\$[ç^!Á &[}^Д*•Á@ åÁsæ ÁŒĬŐ[}~!^}&%\Á &[}~!^}&%Aæ ÁæÅ*•Å!Á@[ \Á æ•@Á;ãæ)åÁÖ![\^!Áæ)åÁ Ô[}~!^}&%Á@}ÁæÁ•^!Á@[ \Á æ•@Á;ãæ)åÆÁ^&	Î	€160°a3 &  Á/1;a3 • △   F160°[ \ ^   G460°[ } △   ^ } & ^ H460°[ \ ^   E0[ ] ~	Ôæ) &^ Á/Iæ) • - ^\
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Station Group

## ACD Group Assignment (PGM 212) ... see details on page A-76

PGM 212	BTN	RANGE	DEFAULT
GROUP NAME ACD Group Name.	1	Start ACD Group Number & End ACD Group Number	-
SERVICE MODE ACD Group Status.	2	0: Normal 1: Group Forward 2: Overflow 3: Night 4: Holiday 5: Not Service	Normal
TENANT NO ACD Tenant Number.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE INDEX ACD Group Time Table.	4	1-9	1
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

## ACD Group Attribute1 (PGM 213) ... see details on page A-77

PGM 213	BTN	RANGE	DEFAULT
SUB-SUP ASSIGN This entry assigns Sub-Supervisor in ACD Group.	1	-	-
GROUP FWD DEST When ACD Group status is Group Forward Status, all of ACD call will be forwarded to this entry assigned destination.	2	-	-
NIGHT SERVICE This entry defines how to reroute ACD call when group status is Night Status.	3	0: Release 1: Announcement 2: Forward	Release
NIGHT FWD DEST When Night Service type is Forward, applied destination can be assigned.	4	-	-

ÚÕT ÁGFH	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
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T CEÝÁÛWÒWOD ÕÁÔUWÞVÁEÉÁV@siÁn}d^ási^-āj^•ÁT CEÝÁ *^-āj *Á &æļÁs[*}děÁsÁ*^* āj *ÁDEÔÖÁÖæļÁs[*}oÁsiÁj¢^!Ás@Á;ærÁ ÉS[*}dÉA CEÔÖÁ;[*]Ácæe^ÁjāļÁs^Ás@æj*^åÁt[ÁUç^!-[;ÁVææš•È		€ËJ	F€
ÛWÒWOÞŌÁOÐÞÞÔÁÙVÒÚÆËÉV@&Á°}d^Æá^-4}^•Á`*^ã*Á æ}}[``}&^{ ^}o∱ æÁ^\çæA^ko*]EÁU}^ÁOÐÖÁÖ¦[``]Ásæ)Á@æç^Á {æ¢ÁÁæ}}[``}&^{ ^}o•Á[¦Á`^`ā]*ÁOÐÖÁÔæ È	F€	FΕ̈́	F
ÜÒÚÒŒVÁÔUWÞVÁĒĒÁV@ Án d Á&n-ā, ^ A É cædá ^ 3, * Á æ) { `} &^{ ^} oÁn ] ^ æÁn '; çævÁs[ ~ } oĚŒÁ@ Án d Áa Áa ^ ā, ^ ē, éæ Á U} ^ Á; 'ÁT [ ' ^ Á/ā, ^ • Án '; çævÆÛ ` ^ ā, * ÁOE; } [ ` } &^{ ^ } oÁ, ā] Áa ^ á. ^ ē, éæ Á ]  æ^âÁ! [ { ÁF • oÁg Áán ~ ā, ^ åÁÙcn ] EÁOE; åÁs@ } Á! [ { ÁÜn ] ^ æcÁ Ú[ • ãã] } ÁÛ * ^ ā, * ÁOE; } [ ` } &^{ ^ } oÁ, ā] Áa ^ Á^ • oæb on åÁg Áa ^ ā, ^ åÁ • on ] Á } cāÁÜn ] ^ æcÁÔ[ ` } oÈ		€KÁP[ÁÜ^]^æc FKÁU}^ÁVā[^ GKÁV@^^ÁVā[^• HKÁZāç^ÁVā[^• IKÁ^}ÁVā[^• ÍKÁV,^}ċÁVā[^•	Þ[ÁÜ^]^æc
ÜÒÚÒŒVÁÚUÙŒVŒUÞÆŒÁ @\$A\d^&\$^-\$}^•ÁÜ^]^æA Œ;}[~}&^{ ^}oÁÙædoÁÚ[•ãā;}È	FG	FΕ̈́	F
ØYÖÁŒZNÒÜÁÛWÒWŒPÕÁËËÁØ®AÁ}d^Á&^-4}^•Á^¦[ˇ♂Á•æ⁴^Á ææ^¦Áˇ^ˇ4j*Áæį^Áįç^¦È	FH	€KÁU~ FKÁU}	U~
Û ÊZY ÖÁÖÒÙVÁŒÄÜ^¦[ˇơ Áà^• α¾ æqã[} Áæev ¦Á ˇ^ˇ¾ * Áqã ^Á;ç^¦È	FI	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
AGENT NO-ANS OPTION This entry defines no-answer Agent No-Answer case about ACD-call.  1 Not use  2 Forward: call will be forwarded to defined destination  3 DND: Agent state will be changed automatically to DND state.  4 DND & Forward: Agent state will be change to DND state, and ACD call will be forwarded to defined destination	15	0: Not use 1: Forward 2: DND state 3: DND & Forward	Not use
AGENT NO-ANS DEST When Agent No-Answer option is Forward, applied destination can be assigned.	16	-	-

## ACD Group Attribute2 (PGM 214) ... see details on page A-79

PGM 214	BTN	RANGE	DEFAULT
SUPERVISOR PSWD CHECK This entry defines check the supervisor password when supervisor change group status.	1	0:Off 1:On	0:Off
AGENT-AGENT CALL This entry defines agent to agent call restriction.	2	0:Allow 1:Direct call 2:Forward call	0:Allow
WORK MODE TIMER This entry defines wrap up timer of Agent Work State.	3	001-240	60
AUTO-WORK MODE OPTION This entry defines when change the agent work state. (It is applied, when only agent has auto-work option).  1 CALL: after conversation, agent state will be changed to work state.  2 CALL, RING: after conversation or after ringing, agent state will be changed to work state.  3 CALL, OG: after conversation or after make outgoing call, agent state will be changed to work state.  4 CALL, RING, OG: after conversation or after ringing or after make outgoing call, agent state will be changed to work state.	4	0:Call 1:Call, Ring 2:Call OG 3:Call, Ring. OG	0:Call
ANNOUNCEMENT USE This entry defines usage of Announcement when agent answer incoming ACD Call.	5	0:Off 1:On	0:Off

ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÜLÉÖÞVÁÖÐÙÚŠŒŸÁEÉVŒ§ÁN}d^Ás^-ā¸^•Á åã-] æ^Á;-ÁÛ`^`ā]*ÁS{`}oÁ;-ÁŒÔÖÁSæ4 È	Î	€KU~ FKU}	<b>€</b> U~-
Û ÊÛÞVÁÐÞVÒÜXŒŠÁŒÁVŒÞÁ}d^Áå^-^•Áåæ] æÁ ā,æ¦çæÁ^&[}å•Á;-ÁÛ*^*ā;*Á&[*}of;-ÁŒÛÖÆæ#È	Ϊ	€\"U\^æ\A\"\a\"\a\"\a\"\a\"\a\"\a\"\a\"\a\"\a\"	€KÜ^æ∳Á⁄ą̃ ^Á
ŠU Õ OD ÁNO BÙ Y Ö ÁÔ P Ò Ô S Á EÄ V @ Á À d ^ ÁB ^ - Æ @ & Á @ & Á @ A Æ ~ - Æ @ & Á @ A Æ ~ - Æ @ & Á	Ì	€KU~ FKU}	<b>€</b> KU~-
ŠU Ő OD ÁDEŐ ÒÞ VÁÙ VOD VÒ ÁËÄ V @ Á Á Ó Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á	J	⊕KÜ^æå^Árææ^ FKÖÞÖÁrææ^ GKY[¦\Árææ^	€KÜ^æå^Árcæe^
ŠUÕODAOEWUÁODĐÙY ÒÜÁEËÁ/@AÁA}d^A&AAA^AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	F€	€KU~ FKU}	€KU~-
ŠUÕ ODE ÁDEWUÁY UÜS ÁEEÄV @ā Án} d^ Ás^-4]^•Á •æ*^Á; -Á OE*^} cÁDE q Ár [¦\Á;] cā;} Á; @} Áse*^} ch(* * E) È	FF	€KU~ FKU}	<b>€KU~</b>
ŠUÕOÞÁPOÞÖÙÒVÁŒÁV@ÞÁY}d^Áa^4,^•Á•æť^Á;Á OË^}ơÁP^æå•^ơÁ]qã}Á;@}Áæť^}ơÁ(*Ë)È	FG	€12°^a±å•^α′( [å^ F14°a) å•^α′( [å^ G-Òæ36 Ē 38√( [å^ H-Ó) *^([α() [å^	FKPæ)å•^oÁT[å^
ŠUÕUWÁPOEÞÖÙÒVÁEÉV @ Á} d^Áå^尋^•Á•æ*^Á, Á OE^} oÆ^æå•^oÁ] @} Áæ*^} oÁ[*崑°c	FH	⊕1??^aæå•^α′( [å^ F1??aæ)å•^α′( [å^ G+Òæ38'⊟ 38√( [å^ H+Ó)`^([α@√( [å^ IKŠ[*[]ÁT[å^	FKPæ) å•^o⁄T[å^
ŠUÕUWAÜÒÙVÜÓÔVOUÞÁËËVŒ∳Á}d^Ás^4j^•Á !^•d88a[}Á;AŠ[*[*OÁÙcæ¢ÁCE^}cÈ	FI	€1\$ [ oÁ • ^ FIÔUÁ; Č † [ å] * GYO∰Á&æ#	#\$[ ó\ •^
ÔUÁCEÐÙY ÒÜÁVOT ÒÁEÉVŒÞÁY}d^Ás^4j^•Á; @}Ás@Á CEÔSÁ;^••æ*^Ás•Á^>; cÁt;Ásæ# ^¦Á;ædĉÈ	FÍ	€1°Û `^`^åÁq[Á';[`] FKOE'^}oÁOB;•,^;	€KÛ `^`^åÁ{[Á'¦[`]
Φ & UÁÖ CE/CEÁÜÜ Φ VÁEÉV @ Á) d^Ás^-3, ^•Á•æ* ^Á; -Á CEÔÖÁÔæ Á/:æ-æAÁQ-{:{ ææi,}ÁsææáÚ;3; σή:Á>[ ŒĂ Q-{:{ ææi,}Á/:æ-æAÁg;4; di/ás^Á; d; d^ásæÁ Q-{:{ ææi,}EÚ;3; σÁ∪[:cÈ	FÎ	€KU~ FKU}	€KU~-

PGM 214	BTN	RANGE	DEFAULT
INFO PRINT INTERVAL This entry defines print interval seconds of Information Traffic data.	17	001-250	001 (10 sec)
INFO CLR AFTER PRT If this value is ON, after print Information traffic data, previous data will be deleted.	18	0:Off 1:On	0:Off

# **ACD Group Service Status**

ACD group has 5 status settings (Normal / Forward / Overflow / Night / Holiday Status).

- 1 Normal status is a general service status.
- 2 Forward status, ACD call will be forcibly forwarded to registered destination.
- 3 Overflow status will be changed automatically from Normal status when all agents are busy and also ACD queue is full. Administrator or Supervisor can make rule release, overflow announcement or forward.
- 4 & 5 Night and Holiday status can be changed automatically by system time-table or can be changed manually by Supervisor. In each status Administrator or Supervisor can make rule how to handle the AC call. ACD calls can be released immediately, or can be served with Night or Holiday Announcement, or can be forwarded to the registered destination.

In case of Forward, Night, or Holiday status, these kinds of status can be set manually by a System Administrator or group Supervisor, And also in case of Night, or Holiday status. if [Auto service change] admin is set PGM 212 - Flex 5, group status can be changed automatically according to the system time table.

#### CONDITIONS

- Group status can be changed only by supervisor or administrator.
- Supervisor can change the rule for ACD group in its Station Web Program.
- If [Password Check When Service Mode Changed] is set in admin [PGM214-Flex9], supervisor has to enter the correct password when supervisor wants to change the group status (Group Forward / Night / Holiday Status).
- If [Auto Service Status Change] is set in admin [PGM212-Flex5], group status will be changed automatically from Normal to Night or Holiday status according to system time table.
- If [Auto Service Status Change] is set in admin [PGM212-Flex5] and the System-Time is in Timed mode, ACD will follow the settings for Night Service.
- If [Auto Service Status Change] is set as Manual Change [PGM212-Flex5], supervisor can change group status manually.

## **OPERATIONS**

Group Forward Status Manually by Supervisor

- FÈ ÖãæþÁOĐÔÖÁÙ ] ^ |çã [ |ÁÕ|[  $\dot{}$  ] ÁÔæþÁO[ |, æþåæÁ^æč | ^Á&[ å^È OR
- $\begin{array}{lll} \text{$(\hat{A}^{\circ})$} & \hat{A}^{\circ} & \hat{A}^{$
- HÈ, OĐÔÖÁÙ ]^ | çã [ ¦ÁÕ | [ `]ÁÔæ|ÁØ | ; ælå¤ÁV ¢Áà ` od } Æl Áč | } ^åÁi } Ár¢ æåãî È

## Night Status Manually by Supervisor

- FÈ ÖãæþÁOĐÔÖÂÙ ] ^ |çã[ |ÁÕ| [ ]ÁÞ ð @ÁT [ å^xÁv æc | ^Á&[ å^È OR
- QÈ Ú¦^•• Áļ^¢Ás α[} ÁΛ\* ã α'\^åÁse ÁΩĐÔÖÁÛ ]^\çã[¦ÁÕ|[\*] ÁÞ ã @ÁT [åΛ¤ÁΛæĕ ¦ΛÁS[åΛÈ
- HÈ , QĐÔ QÂÛ ] ^ ¦ çã [ ¦ ÁÕ ; [ ˇ] ÁÞ ð @ÁT [ å^ ¤Á ļ^ ¢ Áà ˇ cd ] ÁS[ | [ ¦ Á\$ ÁŠ ; } ^ å Á; } Á c^ æå ð È

## Holiday Status Manually by Supervisor

- FÈ Öãæ Á, ŒÔÖÂÛ `]^¦çã [¦ÁÕ¦[`]ÁP[|ããæ ÁT[å^¤Á^æc`¦^Á&[å^È OR
- QÈ Ú¦^••Á|^¢Áà co[}Á^\*ã c^¦^åÁæ ÁOĐÔÖÁÙ ]^¦çã[¦ÁÕ;[ˇ]ÁP[|ããæ ÁT[å^¤Á^æc ¦^ÁS[å^È
- HÈ , OĐÔ ÖÁÙ `]^¦çã [¦ÁÕ¦[`]ÁP[|ãåæêÁT[å^¤Á\/¢Áà `od[}Á&[|[¦ÁánÁč¦}^åÁj}Árd^æåãîÈ

## ACD Call Operation when Group Forward Status

- FÈ ŒÔÖÁ&æddÁæddãç^•Áæd åÁŒÔÔÁdd [ ] ÆæÁÆ ÁÆ ÁF; ædåÁdææč•È
- QÈ Ù^• e^{ Áā; å• Ás@ Á^\* ã e^!^å Áå^• cā; æzā; } Áæ; å Ás@ Ásæ; Áæ; ; æ\$å^å È

## ACD Call Operation when Group Overflow or Night or Holiday Status

- FÈ OĐÔÖÁSæ (AÁA) ÁÃ (T) A CORC ÁS ÁS ÁS ÁS (\$\chi\_\) ÊÁ ã @ÊÁ \ÁQ (Båæ Á AQ (Båæ Á CORC È
- ŒÙ^•¢\{ Á&@&\•Á\$@Á^\*ã¢\\^åÁ\*\^È
- HÈ QÁ@Áå $^{a}$ ,  $^{a}$ Á $^{a}$  ( $^{a}$ Á§ Á $^{a}$ )  $^{a}$  Á§ Á $^{a}$ ( $^{a}$ A $^{a}$ A)  $^{a}$ A
- IÈ QÁs@Ás^母^åÁ\*|^Ás Ás Ás Ás As)}[\*} &^{ ^}dÉs !^!^8[ å^åÁs)}[\*} &^{ ^}dÉs !^!^8[ å^åÁs)}[\*} &^{ ^}dÉs !^!^8][\*} &^{ ^}dÉs !\*]\*\*

  a) åÁs@}ÁOEÖÖÆsa|Á¸ä|Æs^Á^|^æ\*\*åÆs\*!Æs}][\*} &^{ ^}dÉ
- ÍÈ QÁc@Ás^-āj^åÁ`|^ÆsÁt[Át[;æsåÁc@Ásæs|EKOEÔÖÁsæs|Á¸ā|Ás^Át[;æså^åÁt[Ác@Á^\*ãrc^\^åÁ å^•cājæsāj}È

### **PROGRAMMING**

Station Port

## Station Port Attribute (PGM 124) ... see details on page A-27

PGM 124	BTN	RANGE	DEFAULT
MSG WAIT INDICATION this menu determines the way to notify a station to wait message.	1	01-48	MW Remind Tone
APPLY DIFF RING determine user's differential ring mode. Applying to all ring mode or normal ring mode.	2	1-9	All Ring
ICM DIFF RING ID set the intercom differential ring ID – usually 1-4 is valid.	3	000-254	On
CO DIFF RING ID set the CO line differential ring ID - usually 1-4 is valid.	4	000-254	Off
COS APPLY OPTION determine whether the applied COS is the COS of SUB-DN or COS of MY-DN when station accesses SUB-DN.	5	0: SUB-DN 1: MY-DN	SUN-DN
HOOK FLASH WHEN TRANSFER Determine the operation when user press hook-flash button while transferring call.  0. Cancel transfer: drop current call and recover previous call 1. Broker: hold current call and recover previous held call 2. Conference: establish 3-way conference call. 3.Broker-Conf: Operated Broker and Conference when a user hook flash within 2 sec	6	0: Cancel Transfer 1: Broker 2: Conference 3: Broker-Conf	Cancel Transfer
OFF-HOOK ON 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.	7	0: Paged 1: Dial Tone	Paged
PLA Preferred Line Answer enables Ringing Line Preference for the station. Calls that ring the telephone are answered by going off-hook. (Reserved).	8	0: Off 1: On	On
PICKUP BY DSS BUTTON this value determines the method of pickup when pressing DSS button.	9	0: Disable 1: Group Pickup 2: Direct Pickup	Direct Pickup
CLI IP ADDRESS CLI IP Address.	10	IP Address	0.0.0.0
ACD AGENT PRIORITY when a station is a member of an ACD Group, this value will be used for priority as agent.	11	01-20	10

## Station Group

## OĐÔÖÁÕ;[ˇ]ÁŒ•ã}{ ^}ơΦŪÕTÁŒŒΦÅ;}Á¸Á¸æť^ OĦÎÎ

ÚÕT ÁGFG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÞŒ ÒÆŒŒÕŐÃÕ¦[ˇ]ÁÞæ{^È	F	ÙcæloÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦Á BÁÒ}åÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦	Ë
ÙÒÜXÓDÁT UÖÖÁÄÄMÖÖÄŐ¦[ˇ]ÁÚæcĕ•È	G	€nÁn-[¦{æ‡ FhÁnÖ¦[ˇ]Án2[¦,æ‡åÁ GhÁn∪ç^¦-[[,Á HhÁn-ð*@c IhÁn-[[aãæê ÍhÁn-[αÁn)^¦çã&^	Þ[¦{ æ
Á/ÒÞŒÞVÁÞUÁEÐÖÖÁ^}a); oÁPˇ{à^¦È	Н	FËJÁÇTÓÝÁQÚËHE€D FËJÁÇTÓÝÁQÚËF€€D	F
VOTÖÁ/OEÓŠÒÁOÞÖÖÝÁEËÄOEÔÖÁŐ¦[ˇ]Á/ðį ^Á/æà ^È	I	FËJ	F
OBWUÁTUÖÒÁÉÉÁGEÓÖÁŐ![ˇ]ÁÛææĕ•Á&@æj*^åÁ æ&&[¦åãj*ÁqíÁÛ^•♂{Á⁄ã; ^Á⁄æà ^ÁQìå^¢È	Í	€ Kab-[cÁ-V-l-^ FKab-à*@ Kab-Eq G-KaP-[laãa eà ÁO-Eq HKab-à*@ BD-[laãa eà ÁO-Eq	Þ[ œ <b>Á</b> W•^
ÙWÚÒÜXOÙUÜÁ⊳WTÁEEÄOSÔÖÁÕ¦[ˇ]ÁÛˇ]^¦çãa[¦Á æ••ã}È	î	Ë	Ë
T ÒT ÓÒÜÁŒÙÙŒÞÁŒŒÔÖÁÕ¦[ ˇ ] ÁŒ ^ } ÓÆ • æ † æ } È	Ϊ	Ë	Ë

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ÚÕT ÁŒH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙWÓËÙWÚÁŒÙÙŒÓÞÁŒÁVŒªÁ}d^Áæ••ã}•ÁÙ*àËÙ*]^¦çã[¦Á§Á ŒÔÖÁŐ;[*]È	F	Ë	Ë
ÕÜUWÚÁØYÖÁÖÒÙVÁËËY @}ÁŒÔÖÄÕ;[`]Ácæĕ •Áæ ÁÕ;[`]Á Ø[; æ}åÂÛææ •ÊæţlÁ;ÁŒÔÖÁæţlÁ; ālÁs^Á;; æ}å^åÁ;Áœæ Ár}d^Á æ••ā}^åÁs^•œā;ææā;}È	G	Ë	Ë
ÞΦPVÁŪÒÜΧΦÒÁ <del>ÏÄÏĬ</del> VŒnÁ}d^Áa^aj^•ÁQ¸ÁqÁ^¦[ˇαÁΦÔÖÁ &æ lÁ,@}Á¹;[ˇ]Án ææð•Ánn áð @AŪææð•È	Н	€1ÁÜ^ ^æ=^ F1ÁŒ;}[ˇ}&^{^}c G1ÁŒ[¦,æbå	Ü^ ^æ^
ÞOŨPVÁÐYÖÁÖÒÙVÁŒÄY@}ÁÞã@ÁÛ^¦çãR^Ác]^ÁsaÁZ[¦¸æbåÆÄ æbj] ð\åÁså^•cðjææði}ÁsæbjÁs^Áæ••ð*}^åÈ	I	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
HOLIDAY SERVICE This entry defines how to reroute ACD call when group status is Holiday Status.	5	0: Release 1: Announcement. 2: Forward	Release
HOLIDAY FWD DEST When Holiday Service type is Forward, applied destination can be assigned.	6	-	-
OVERFLOW SERVICE This entry defines how to reroute ACD call when group status is Overflow Status.	7	0: Release 1: Announcement 2: Forward	Release
OVERFLOW FWD DEST When Overflow Service type is Forward, applied destination can be assigned.	8	-	-
MAX QUEUING COUNT This entry defines MAX queuing call count. If queuing ACD Call count is over the max q-count, ACD group state will be changed to Overflow Status.	9	00-99	10
QUEUING ANNC STEP This entry defines queuing announcement play service step. One ACD Group can have max 5 announcements for queuing ACD Call.	10	1-5	1
REPEAT COUNT This entry defines total queuing announcement repeat service count. If this entry is defines as One or More Times service, Queuing Announcement will be played from 1st to defined Step. And then from Repeat Position Queuing Announcement will be restarted to defined step until Repeat Count.	11	0:No Repeat 1:One Time 2:Three Times 3:Five Times 4:Ten Times 5:Twenty Times	No Repeat
REPEAT POSITION This entry defines Repeat Announcement Start Position.	12	1-5	1
FWD AFTER QUEUING This entry defines reroute usage after queuing time over.	13	0: Off 1: On	Off
Q-FWD DEST Reroute destination after queuing time over.	14	-	-

ÚÕT ÁŒH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
CEÔÒÞVÁÞUĒDĒÙÁUÚVQUÞÁĒËVŒĀÁ}d^Áå^尋^•Á[Ēæ]•¸^¦Á CĒ^}ơÁÞ[ĒŒ]•¸^¦Ásæ•^Áæà[ˇơÁQTÔÖĒSæ]Ē FÁÞ[ơᠱ•^ GÁZ[¦¸æålÁsæ]Á¸á]Áà^Á[¦¸æåå^åÁ[Áå^-尋¸^åÁå^•æā] } HÁÖÞÖHÁQĒ^}ơÁcææ^Á¸á]Áà^Ás@æ)*^åÁæčd[{æææsæ]^Ág ÁÖÞÖÁ •ææ^È I ÁÖÞÖÁBÁZ[¦¸æålKQĒ^}ơÁcææ^Á¸ā]Áà^Ás@æ)*^Ág ÁÖÞÖÁcææ^ÉÁ æ)åÁQTÊÔÖÁsæ]Á¸ā]Áà^Á[; æåå^áÁ[Áå^-ą]¸åÁå^•©æ]*	FÍ	€Μάν[α΄ • ^ FΜάνα[¦, ælå GΜάΟ ÞΌ Á ασεν ΗΜάΟ ÞÖ Æ Ανα[¦, ælå	Þ[ ðÁ•^
$ \begin{array}{c} \textbf{CEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOO} \\ \textbf{OEOOO} \\ \textbf{OEOOO} \\ \textbf{OEOOO} \\ \textbf{OEOOO} \\ \textbf{OEOOOO} \\ \textbf{OEOOOO} \\ \textbf{OEOOOO} \\ \textbf{OEOOOO} \\ \textbf{OEOOOO} \\ \textbf{OEOOOO} \\ \textbf{OEOOOOOOO} \\ OEOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO$	FÎ	Ë	Ë

# $OE\hat{O}\ddot{O}\ddot{A}\tilde{O}; [\check{\ }] \dot{A}OEcl \hat{a}\check{a}\check{\ } c^{A}G\dot{Q}\check{U}\tilde{O} T \dot{A}OFI D \hat{b}\check{\ } \dot{A}^{A^{A}}\dot{a}^{A}cceal \hat{a}\check{\ } \dot{A}; ] \dot{A}; \not = 0$

ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙWÚÒÜXQÙUÜÁÚÙYÖÁÔPÒÔSÆËÉV@AÁ}d^ÆA^-JA^•Á &@&\Á@Á`]^¦çã[¦Á;æ••,[¦åÁ;@}Á`]^¦çã[¦Á &@)*^Át¦[`]Ácæč•È	F	€KU~ FKU}	<b>€KU~</b>
OEÕÒÞVËDEÕÒÞVÁÔOEŠŠÁËÄV@áÁr}d^Áår^æj^•Áæt^}oÁtÁ æt^}oÁsæt Á^•dæsæt}È	G	€KC∰[] FKÖã^&ó%sæ   GKØ[¦,æ}å/%sæ	<b>€C</b> \$\(\)
Y UÜSÁT UÖÒÁ/QT ÒÜÁËËV@#Á*} d^Áå^-4j^•Á; læjÁ]Á að, ^lÁ; ÁQE^} oÁY [¦\ÁÚææ^È	Н	€€FËG €	΀
CEWU BY UÜ SÁT U Ö ÒÁU Ú V QU Þ Á 田 花 ( 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本		€Ôæ  FrÔæ ÉѪ;* GrÔæ ÁJŐ HrÔæ ÉѪ;*ÉÑJŐ	€Ôæ
OÞÞÞUWÞÔÒT ÒÞVÁWÙÒÁŒÁV@áÁYd^Áá^æj^•Á•æť^Á [√ÁOE}][ˇ}&^{ ^}ơý@}Áæt^}ơÁæj•¸^¦Ááy&[{ãj*ÁÁ OÆÔÖÁÔæjÈ	ĺ	€KU~ FKU}	€\

PGM 214	BTN	RANGE	DEFAULT
GROUP Q-CNT DISPLAY This entry defines display of Queuing count of ACD call.	6	0:Off 1:On	0:Off
Q-CNT INTERVAL This entry defines display interval seconds of Queuing count of ACD call.	7	0:Real Time 1:10sec 2:20sec 3:30sec 4:40sec 5:50sec 6:60sec	0:Real Time
LOGIN PASSWD CHECK This entry defines check the password when agent log-in.	8	0:Off 1:On	0:Off
LOGIN AGENT STATE This entry defines usage of default Agent State option when agent log-in.	9	0:Ready state 1:DND state 2:Work state	0:Ready state
LOGIN AUTO ANSWER This entry defines usage of Agent Auto Answer option when agent log-in.	10	0:Off 1:On	0:Off
LOGIN AUTO WORK This entry defines usage of Agent Auto Work option when agent log-in.	11	0:Off 1:On	0:Off
LOGIN HANDSET This entry defines usage of Agent Headset option when agent log-in.	12	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode	1:Handset Mode
LOGOUT HANDSET This entry defines usage of Agent Headset option when agent log-out	13	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode 4:Logon Mode	1:Handset Mode
LOGOUT RESTRICTION This entry defines restriction of Logout State Agent.	14	0:Not use 1:CO outgoing 2:All call	0:Not use
CO ANSWER TIME This entry defines when the ACK message is sent to caller party.	15	0:Queued to group 1:Agent Answer	0:Queued to group
INFO DATA PRINT This entry defines usage of ACD Call Traffic Information data Print or Not. Information Traffic data will be printed at Information-Print Port.	16	0:Off 1:On	0:Off

ÚÕT ÆFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
Φ ØUÁÚÜΦ VÁΦ VÒÜ XCEŠÁĒŽV @āÁN } d^Áån -∄, ^ •Á, ¦ã, αÁ ã, αN¦çæpÁn ^&[}å •Á, -ÁQ, -[¦{æaā,}ÁV¦æ-æð√åæææÈ	FΪ	€€FËĞÍ€	€€FÁÇF€Á\^&D
Φ ØU ÁÔŠÜÁŒWÒÜÁÜÜVÁÜÄÇÁœÃÁæ¾ ^ÁãÁUÞÊÁæ \á\ ] \ \ \alpha \text{\phi} \\ \alpha \tex</td <td>FÌ</td> <td>€KU~ FKU}</td> <td>€KU~-</td>	FÌ	€KU~ FKU}	€KU~-

# **ACD Call Distribution by Priority**

Oža{ ājārdæa[lÁ;lÁÙ\*]^lçãr[lÁ;lÁÛ\*àĖÛ\*]^lçãr[lÁ&æa)Áæe•āt}Á;lÁ&@æa)\*^Á;lā;lācÁ;-Áæt^}orÈÓ/@:l^Á æb^ÁQ∈Án°ç^|•ÁæeÁ;lā;làn•LÁ[,Án°ç^|Áşæp\*^ÁærÁ;^æ)•Á@ā@°lÁ;lā;lācÈÖQža{ājārdæa[lÁ;lÁÛ\*]^lçãr[lÁ;lÁ Ù\*àĖÛ\*]^lçãr[lÁ&æa)Á;æàn^Á\*àÈ\*l[\*]Á;-Áæt^}orÁ;āc@Á;lā;lācÁn°ç^|ÁQAÁæÁQGÔÖÁÖ;[\*]ÈÁ

Y @ } ÁDÊÒÖÁSæHÁsd¦āç^å ÉÁsæÁā•oÁæā @ ¦Á; lā lāc Á; l [ ` ] €Ásē ^} œ Á āļÁs^Á^8^āç^å Ás@ ÁDÊÒÖÁSæHÉÆsè å Á
c@ } ÁseHÁ; Ásē ^} œ Á; Áæā @ ¦Á; lā lāc Á; l [ ` ] Áse^Ás ` • ^ÊÁ, ^¢ơÁ; lā lāc Á; l [ ` ] €Ásē ^} ơÁ āļÁs^Á^8^āç^å Á
} ^¢ơÁDĒÒÖÆSæHÉŒā{ ājā dæā[ lÁSæ) Á; æà ^Á; lā lāc Á; Ásē ^} ơÁJ lā lāc Ásæå{ ājÁ
ÚÕT FCI ĒŹI/^¢FFĒŒ; å ÁÙ ] ^¦çã [ ¦Á; ÁÙ ` à ĒÙ ` ] ^¦çã [ lÁSæ) Á; æà ^Á; lā lāc Áş Ás@āÁÛcæāā } Ár ^àÁ
Ú![\* læf Á; æð ^Áş Ár ^àÁsæå{ ājÈ

## CONDITIONS

- ËÁ CE^^} c@ÁÚ¦ā[¦ãc Á&æ) Áà^Áæ]]|ā^åÁ; @^} Áæ\*^} cÁ\*[^•Áa[Á[\* Ëā; Áæ) åÁ^æå^Árææ^È
- ËÁ Ùˇ]^¦çãr[¦Ása)åÁÛˇàËÙˇ]^¦çãr[¦Ásaa)Ás@aa)\*^Ás@a)\*^Ás@A,¦{ã;¦ãcÁsæÁs@-ãlÁÚcæeā[}ÁÚ¦[\*¦æ;Ás,Á Y^àÁÚ|[\*¦æ;È

### **OPERATIONS**

Change Priority of agents by Supervisor or Sub-Supervisor

- FÈ Ò) ơ\ÂŪœaṇ )ÂÚ|[\*læ (Á) æ\*^Á9 ÁV ^à ËĐā (ễ) Á -Á-㺠Á, ão@Á, æ••, [lå Á, -ÂÛ ]^lçã [lÁ, lÁ Ù à ËÙ ]^lçã [lÈ
- $OE \tilde{O}[A(AOEOOAO|[*]ATa)] = A(*) cAa(aA(AA(AOEOA))A(A(A(A(A)))A(A(A(A(A)))A(A(A(A)))A(A(A(A)))A(A(A(A)))A(A(A))A(A)A($
- HÈ U}|^ÂÛ\*]^¦çã[¦Á[¦ÂÛ\*àËÛ\*]^¦çã[¦Á&æ)Áæ&&^•Áæ@ÁŒÔÖÁÕ;[\*]ÁTæ)æ\*^{ ^}œÁæ}|åÈ
- ΙÈ Ùˇ]^¦çã[¦Á;¦ÂÙˇàËÙˇ]^¦çã[¦Á&æ)Á&@æ)\*^Á;¦ã[¦ãĉÁ;ÁŒ^}oèÈ

#### **PROGRAMMING**

Station Group

## ACD Group Assignment (PGM 212) ... see details on page A-76

PGM 212	BTN	RANGE	DEFAULT
GROUP NAME ACD Group Name.	1	Start ACD Group Number & End ACD Group Number	-
SERVICE MODE ACD Group Status.	2	0: Normal 1: Group Forward 2: Overflow 3: Night 4: Holiday 5: Not Service	Normal
TENANT NO ACD Tenant Number.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE INDEX ACD Group Time Table.	4	1-9	1
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

## ACD Group Attribute1 (PGM 213) ... see details on page A-77

PGM 213	BTN	RANGE	DEFAULT
SUB-SUP ASSIGN This entry assigns Sub-Supervisor in ACD Group.	1	-	-
GROUP FWD DEST When ACD Group status is Group Forward Status, all of ACD call will be forwarded to this entry assigned destination.	2	-	-
NIGHT SERVICE This entry defines how to reroute ACD call when group status is Night Status.	3	0: Release 1: Announcement 2: Forward	Release
NIGHT FWD DEST When Night Service type is Forward, applied destination can be assigned.	4	-	-

ÚÕT ÁŒH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
PUŠCÕCË ÁÙÒÜXCÕÒÁEÄV@ ÁA}d^Áa^-\$j^•ÁQ;Á{Á^¦[ˇơÁĐĐÕÁ & AHÁ;@}Á¹;[ˇ]Árcæ •ÁaÁP[ ãaæ ÁÙcæ •È	ĺ	€MáÜ^ ^æe^ FMáŒ[}[ັ}&^{^}dÈ GMáŒ[¦,ædå	Ü^ ^æ-^
PUŠŒĴŒŸŔØYÖÁÖÒÙVÁŒŒY@}ÁP[ ããæêÁÛ^\çã&Ás]^ÁsēÁ Ø[\; æååÆsē]] ā³åÁså^•œä;æsā[}Ásæ)Áse^Áse•ā*}^åÈ	Î	Ë	Ë
UXÒÜØŠUYÁÙÒÜXÓÓÒÁËŽV@\$Á}d^Áå^-4}^•ÁQ¸ÁqÁ^\[č&Á OEÔÖÁSæ Á,@}Á;[č]Ácæĕ•ÁāÁUç^;- [¸ÁÜæĕ•É	Ϊ	€MÁÜ^ ^æe^^ FMÁŒ}}[``}&^{^}c GMÁŒ[¦,ædå	Ü^ ^æ^
UXÒÜØŠUYÁØYÖÄÖÒÙVÆËÄY@}ÁUÇ^¦- [¸ÁÛ^¦çæk^Ác]^ÆeÁ Ø[¦¸æl寿n]] ā^åÁå^•œlæan]/Ææn,Ææn,æn*a?}^åÈ	Ì	Ë	Ë
T CÉYÁÛWÒWOD ÕÁÔUWÞVÁ莊ÉV @ ÞÁY d^Ás^-4j, ^ ÞÁT CÉYÁ * ^ * 3j * Á 8ællÁs[*] cĚÁSÁ * ^ * 3j * ÁDÉÒÜÁĎællÁs[*] cÁBÁ, ç^lÁs@Á; æcÁЁS[*] cĚÁ CEÔÖÁ; [*] Ár ææ^Á; allÁs^Ás@æ) * ^ åÁt[ÁUç^l+[; ÁUææ* • È		€€ËJ	F€
ÛWÒWOÞÕÁOÐÞÞÔÁÙVÒÚÆËÉV@sÁr}d^Æa^-ā/^-ā/*A*Á æ}}[`}&^{ ^}of, æÁr^!çæ/Ár]EÁU}^ÁOÐÖÁÖ;[`]Ásæ)Á@æç^Á {æ¢ÁÁæ}}[`}&^{ ^}ofA!;Är^-ā,*a]*ÁOÐÖÁÖæ È	F€	FΕ̈́	F
ÜÒÚÒŒVÁÔUWÞVÆŒÁV@áÁ}d^Á&^-ā^•Á{cæÁ´^`ā}*Á æ}{[``}&^{ ^}oÁ^]^æÁ^\çã&^&í``}dĚQÁ@áA}d^Á;d^áaÁ^-ā,^•ÁæÁ U}^Á;!ÁT[!^Á/ā;^•Á^;çã&^ÊÛ`^`ā;*ÁŒ;}[``}&^{ ^}oÁ;ālÁa^Á ] æ^áÁ![{Ær•oÁ;Á&^-ā,^åÁÙ¢]ÈŒÇ;åÁc@}Á![{ÆÛ^]^ææÁ Ú[•ãã;}ÁÛ`^`ā;*ÁŒ;}[``}&^{ ^}oÁ;ālÁa^Á^•œæ¢°åÁ;Æa^-ā,^åÁ •¢]Á;cāÁÜ^]^ææÁÔ[``}Œ		€KP[ÁÜ^]^æc FKU}^ÁVā[^ GKV@^^ÁVā[^• HKZāç^ÁVā[^• IKV^}ÁVā[^• ÍKV,^}cÁVā[^•	Þ[ÁÜ^]^æc
ÜÒÚÒŒVÁÚUÙŒVŒUÞÆŒÁŒ§Á°}d^Á\$^-āj^•ÁÜ^]^æÁ Œ;}[~}&^{ ^}ďÛædóÁ[•ããj}È	FG	FΕ̈́	F
ØY ÖÁQ£ØNÒÜÁÛWÒWQÞŐÁËÉÁ/@áÁs}d^Ás^-āj^•Á∧¦[˘ơÁ•æ*^Á ææ^¦Áˇ^ˇāj*Ásāj^Ájç^¦È	FH	€KÁU~ FKÁU}	U~
Û ÊZY ÖÁÖÒÙVÁŒÄÜ^![ ĕ Ás^• æði æði } Ásee^!Á * ^ * ði * Ásī ^Á; ç^!È	FI	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
AGENT NO-ANS OPTION This entry defines no-answer Agent No-Answer case about ACD-call.  1 Not use  2 Forward: call will be forwarded to defined destination  3 DND: Agent state will be changed automatically to DND state.  4 DND & Forward: Agent state will be change to DND state, and ACD call will be forwarded to defined destination	15	0: Not use 1: Forward 2: DND state 3: DND & Forward	Not use
AGENT NO-ANS DEST When Agent No-Answer option is Forward, applied destination can be assigned.	16	-	-

## ACD Group Attribute2 (PGM 214) ... see details on page A-79

PGM 214	BTN	RANGE	DEFAULT
SUPERVISOR PSWD CHECK This entry defines check the supervisor password when supervisor change group status.	1	0:Off 1:On	0:Off
AGENT-AGENT CALL This entry defines agent to agent call restriction.	2	0:Allow 1:Direct call 2:Forward call	0:Allow
WORK MODE TIMER This entry defines wrap up timer of Agent Work State.	3	001-240	60
AUTO-WORK MODE OPTION This entry defines when change the agent work state. (It is applied, when only agent has auto-work option).  1 CALL: after conversation, agent state will be changed to work state.  2 CALL, RING: after conversation or after ringing, agent state will be changed to work state.  3 CALL, OG: after conversation or after make outgoing call, agent state will be changed to work state.  4 CALL, RING, OG: after conversation or after ringing or after make outgoing call, agent state will be changed to work state.	4	0:Call 1:Call, Ring 2:Call OG 3:Call, Ring. OG	0:Call
ANNOUNCEMENT USE This entry defines usage of Announcement when agent answer incoming ACD Call.	5	0:Off 1:On	0:Off

ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÜLÉÖÞVÁÖÐÙÚŠŒŸÁEÉVŒ§ÁN}d^Ás^-ā¸^•Á åã-] æ^Á;-ÁÛ`^`ā]*ÁS{`}oÁ;-ÁŒÔÖÁSæ4 È	Î	€KU~ FKU}	<b>€</b> U~-
Û ÊÛÞVÁÐÞVÒÜXŒŠÁŒÁVŒÞÁ}d^Áå^-^•Áåæ] æÁ ā,æ¦çæÁ^&[}å•Á;-ÁÛ*^*ā;*Á&[*}of;-ÁŒÛÖÆæ#È	Ϊ	€\"U\^æ\A\"\a\"\a\"\a\"\a\"\a\"\a\"\a\"\a\"\a\"	€KÜ^æ∳Á⁄ą̃ ^Á
ŠU Õ OD ÁNO BÙ Y Ö ÁÔ P Ò Ô S Á EÄ V @ Á À d ^ ÁB ^ - Æ @ & Á @ & Á @ A Æ ~ - Æ @ & Á @ A Æ ~ - Æ @ & Á	Ì	€KU~ FKU}	<b>€</b> KU~-
ŠU Ő OD ÁDEŐ ÒÞ VÁÙ VOD VÒ ÁËÄ V @ Á Á Ó Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á	J	⊕KÜ^æå^Árææ^ FKÖÞÖÁrææ^ GKY[¦\Árææ^	€KÜ^æå^Árcæe^
ŠUÕODAOEWUÁODĐÙY ÒÜÁEËÁ/@AÁA}d^A&AAA^AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	F€	€KU~ FKU}	€KU~-
ŠUÕ ODE ÁDEWUÁY UÜS ÁEEÄV @ā Án} d^ Ás^-4]^•Á •æ*^Á; -Á OE*^} cÁDE q Ár [¦\Á;] cā;} Á; @} Áse*^} ch(* * E) È	FF	€KU~ FKU}	<b>€KU~</b>
ŠUÕOÞÁPOÞÖÙÒVÁŒÁV@ÞÁY}d^Áa^4,^•Á•æť^Á;Á OË^}ơÁP^æå•^ơÁ]qã}Á;@}Áæť^}ơÁ(*Ë)È	FG	€12°^a±å•^α′( [å^ F14°a) å•^α′( [å^ G-Òæ36 Ē 38√( [å^ H-Ó) *^([α() [å^	FKPæ)å•^oÁT[å^
ŠUÕUWÁPOEÞÖÙÒVÁEÉV @ Á} d^Áå^尋^•Á•æ*^Á, Á OE^} oÆ^æå•^oÁ] @} Áæ*^} oÁ[*崑°c	FH	⊕1??^aæå•^α′( [å^ F1??aæ)å•^α′( [å^ G+Òæ38'⊟ 38√( [å^ H+Ó)`^([α@√( [å^ IKŠ[*[]ÁT[å^	FKPæ) å•^o⁄T[å^
ŠUÕUWAÜÒÙVÜÓÔVOUÞÁËËVŒ∳Á}d^Ás^4j^•Á !^•d88a[}Á;AŠ[*[*OÁÙcæ¢ÁCE^}cÈ	FI	€1\$ [ oÁ • ^ FIÔUÁ; Č † [ å] * GYO∰Á&æ#	#\$[ ó\ •^
ÔUÁCEÐÙY ÒÜÁVOT ÒÁEÉVŒÞÁY}d^Ás^4j^•Á; @}Ás@Á CEÔSÁ;^••æ*^Ás•Á^>; cÁt;Ásæ# ^¦Á;ædĉÈ	FÍ	€1°Û `^`^åÁq[Á';[`] FKOE'^}oÁOB;•,^;	€KÛ `^`^åÁ{[Á'¦[`]
Φ & UÁÖ CE/CEÁÜÜ Φ VÁEÉV @ Á) d^Ás^-3, ^•Á•æ* ^Á; -Á CEÔÖÁÔæ Á/:æ-æAÁQ-{:{ ææi,}ÁsææáÚ;3; σή:Á>[ ŒĂ Q-{:{ ææi,}Á/:æ-æAÁg;4; di/ás^Á; d; d^ásæÁ Q-{:{ ææi,}EÚ;3; σÁ∪[:cÈ	FÎ	€KU~ FKU}	€KU~-

PGM 214	BTN	RANGE	DEFAULT
INFO PRINT INTERVAL This entry defines print interval seconds of Information Traffic data.	17	001-250	001 (10 sec)
INFO CLR AFTER PRT If this value is ON, after print Information traffic data, previous data will be deleted.	18	0:Off 1:On	0:Off

# **ACD Call Queuing Service**

If all of agents are busy or all of agents are not log-in, next ACD call will be queued. Max queue count can be changed by Administrator or Supervisor. When ACD call is gueued, system gives Queuing announcement. Each group can serve max 5 queuing announcements and can define how many announcements can be served [Queuing Announcement Service Step PGM 213 -Flex 71. And also each group can have the rule how to handle the gueued call after finish the Queuing Announcement. In that case ACD call can be released or forwarded to registered destination.

- If [queued count display option] admin is set [PGM 214 Flex 8], queued count will be displayed to Supervisor and Sub-Supervisor and all of agent keyset.
- An Administrator can make time interval for Queued call count display [PGM 214 -Flex 9
- If {ACD Supervisor Queued Call Answer} feature code is saved at Supervisor's or Sub-Supervisor's flex button, this button color will be steady-on when there are queued ACD call. At that time, Supervisor or Sub-Supervisor can answer the first queued ACD call or can forward to registered destination.
- Administrator can make Queuing Announcement Scenario with [Repeat Announcements Count] and [Repeat Announcements Start Position] in PGM 213 -Flex 9, 10. After [Queuing Announcement Service Step], if [Repeat Announcements Count] is set, queuing announcement will be restarted from [Repeat Announcements Start Position].

## CONDITIONS

- Each Queuing Announcement playtime is max 600sec.
- If there is not registered forward destination, after queuing announcement, ACD call will be released.
- Supervisor, Sub-Supervisor and all of Agents can check and listen all of ACD Group Announcement with {ACD Announce Play} feature code.

## **OPERATIONS**

ACD Call Operation when All of agents are not ready

- FÈ QEÔÖÁ8æ4/Áse1/ãç^•Áse3 å Áse4/Ás@Áse4^} @ Áse4^Á,[ cÁ^æå^Át Á^&^ãç^Ás@Á8æ4]È
- QÈ QĐÔÖÁSæ|Á, āļÁs^Á\*^\*^åÁæ) åÁs@}ÁF•oÁ\*^\*ā\*Áæ)}[\*}&^{ ^}oÁ, āļÁs^Á^!ç^åÈ
- HÈ Œơ\'ÁF•ơÁ`^~ã,\*Ása)}[``}&^{ ^}ơÁa¸^'Aáa¸^'Aáa¸^'Aáa¸^'Aáa¸Aá£Á^•ơ\{Á&@&\•Ás@\^Ásab^Á,^¢ơÁa)}[``}&^{ ^}ơÁơ) Ásab^{ } [čÈ
- IÈ QÁc@ \^ÆnÁ[ \^Á,^¢cÁce} }[~} &^{ ^} cÁ.c^) ÊG åÆe} }[~~} &^{ ^} cÁ.c^) ÊA & & }[~~} &^{ ^} cA.c^) ÊA & & }[~~] &^{ ^} cA.c^) ÊA & & }[~~] &^{ ^} cA.c^) EA & & }[~] &^{ ^} cA.c^) EA & & }[~] &^{ ^
- ÍÈ OE;åÁsee∾¦ÁG;åÁse)}[ˇ}&^{ ^}dÉ^^•c^{ Á&@&\•Á;^¢oÁse)}[ˇ}&^{ ^}oÁ.•æ\*^È
- ÎÈ QAÁq|A[-Áxa)}[ˇ}&^{ ^}oÁsA^¢]ā^åÊA^•o^{ & & & & & Ak@ & •Ás@ Á[¦, æbåA[]oā[}È
- ÏÈ QÁOĐÔÖÁ&æ|Á^|^æ•^Á;]qã;}ÁseÁ^oÆáoæá&æd,Á;ã|Ás·Á^|^æ•^åÈ OR
- ÌÈ QÁOĐÔÖÁ&æqlÁ[¦, ædåÁ[]qā[}ÁsaÁn^qŒÁs@áÁ&æqlÁ,ā]Ásn^Á[¦, ædå^åÁ[Án\*ãrơ\|^åÁsô^•qā,ææā[}È

## Queuing Announcement Repeat Scenario.

- FÈ QÃÛ ^ 3, \*ÁO\$; }[ ] & { ^} oÂÛ ^ | çæ AÂÛ o ] á Á Á ^ oÁ c@ÁO\$; }[ ] & { ^} cÈ
- $\begin{array}{lll} \text{CE} & \text{CE} & \text{A} & \text{A} & \text{A} & \text{A} & \text{CE} \\ \text{CE} & \text{CE} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} \\ \text{CE} & \text{CE} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} \\ \text{CE} & \text{CE} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} \\ \text{CE} & \text{CE} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} & \text{A} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{A} & \text{A} & \text{A} & \text{A} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE} \\ \text{CE} & \text{CE} \\ \text{CE} & \text{CE} & \text{CE} \\ \text{CE} & \text{CE}$
- HÈ CE; å Ás ÁŠÜ^] ^ æ ÁCE; } [ ` } & ^ { ^} o Á Úcæ dÁ Ú [ ãtā] } á Ás Á ^ dÁ I å È Q Á cæ Ase ^ L
- IÈ OĐÔÖÁSæHÁSH¦ãc^•ÁSH åÁSHÁS@ÁSE\*^} @ÁSH^Á,[GÁ^æ\$^Á;Á^&^ãc^Ás@ÁSæHÈ
- ÍÈ ŒÔÖÁ&ædļÁ, āl/Ás^Áˇ^ˇ^åÁæd; åÁs@}ÁF•oÁˇ^ˇā\*Áæd;}[ˇ}&^{ ^}oÁ¸āl/Ás^Ár^¦ç^åÈ
- ÎÈ Œơ\¦Áã•ơ\;^^^åÁæ}}[`}&^{ ^}o\;^\;@A\;@A\;@A[||[ ā,\*Áæ) Á a||Áa^Á^|ç^åK
  - G; åÁæ;}[ˇ}&^{ ^}oÁ^¦çæð ÁMNÁH; åÁæ;}[ˇ}&^{ ^}oÁ^¦çæð ÁMNÁ; o@Áæ;}[ˇ}&^{ ^}oÁ •^¦çæð ÁMNÁ; o@Áæ;}[ˇ}&^{ ^}oÁ^¦çæð
  - MNÁH å Áæ) } [ ` } &^{ ^} oÁ^ | ç & AMNÁ c @ ANNÁ c @ ANNÁ c @ ANNÁ c & ANN
  - MNÁH å Áæ) } [ ` } &^{ ^} oÁ^ | ç & AMNÁ c @ ANNÁ c @ ANNÁ c @ ANNÁ c & ANN

## First Queued Call Answer by Supervisor or Sub-Supervisor

- FÈ QÁc@\^Áse\^Á`^`^åÁQEÔÖÁSæ||ÉA
- QÈ ÖãæḥÁ,QĐÔÖÂÛ\*]^¦çã;[¦ÁÛ\*^\*^å ÁÔæḥÁQḤ•¸^¦¤Á^æč;|^Á&[å^È OR
- $\begin{array}{ll} \textbf{HE} & \text{$\dot{\Omega}^* \wedge \bullet \bullet \ A/\ c/A} & \text{$\dot{\Omega}^* \circ A/\ a/A} &$
- IÈ Ùˇ]^¦çã[¦Á¡¦ÁÙˇàËÙˇ]^¦çã[¦Á&æ;Á&@^&\ÁÔŠŒ[-Á㕌/Ť^\*^åÁæ;åÁr`àË;^}`È
- ÍÈ Ú¦^••ÁFÁ§AÓŒ;•¸^¦Án@A&æ||

OR

- 6. Press 2 is Forward queued call to some of destination.
- 7. If dial some of Tel-Number and then press hold or '#' button, first queued call will be rerouted.

### **PROGRAMMING**

Numbering Plan

Feature Numbering Plan (PGM 113) ... see details on page A-17

Station Group

ACD Group Assignment (PGM 212) ... see details on page A-76

PGM 212	BTN	RANGE	DEFAULT
GROUP NAME ACD Group Name.	1	Start ACD Group Number & End ACD Group Number	-
SERVICE MODE ACD Group Status.	2	0: Normal 1: Group Forward 2: Overflow 3: Night 4: Holiday 5: Not Service	Normal
TENANT NO ACD Tenant Number.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE INDEX ACD Group Time Table.	4	1-9	1
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

# OĐÔÖÁÕ![ˇ]ÁOŒdãaˇơ FÁQÚÕTÁOFHDÁSÁ ^^^Á\$^ cæa‡•Á;}Á;æt^ OŒÜÏÏ

ÚÕT ÁÐFH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙWÓËÙWÚÁŒÙÙŒÕÞÁËËÝŒ¾ÁŊďÁæ•ã}•ÁÙ*àËŬ*]^¦çã[¦Á§Á ŒÔÖÁÕ¦[*]È	F	Ë	Ë
ÕÜUWÚÁØYÖÁÖÒÙVÁÄÄY @}ÁŒÔÖÁÕ¦[ˇ]Ácæĕ •ÁáÁÕ¦[ˇ]Á Ø[¦¸æååÁJææ •ÃæфÁ,ÁŒÔÖÁæфÁ,á]Áá∧Á(¦¸æåå^åÁ(ÁcæáÁ)d^Á æ•åä}^åÁå^•æã}È	G	Ë	Ë
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ÜÒÚÒŒVÁÔUWÞVÁŒÁVŒvÁYd^Á&^-aj^^•ÁqcapÁ`^`aj*Á æj}[``}&^{ ^}oÁ^]^ævÁ^¦çæVÁs[`}dÄQÁ®ØvÁ}d^ÆvÁa^-aj^•Áæ A)}[``}&^{ ^}oÁ^]^ævÁ^¦çæVÁs[`}dÄQÁ®ØvÁ}d^ÆvÁa^-aj^•Áæ U}^Áq!ÁT[!^Á/aj^•Áv² çæVÆÛ`^`aj*ÁŒ;}[``}&^{ ^}oÁq ājÁæ^Á ]jæ^åÁ![{ÁF•oÁq Ás^-aj^åÁÙơ]ÈŒÇåÁs@}Á![{ÁÜ^]^ævÁ Ú[•ããj}ÁÛ`^`aj*ÁŒ;}[``}&^{ ^}oÁq ājÁæ^Á^•œæơåÁq Æs^-aj^åÁ •♂]Á}æÁÜ^]^æxÁÔ[``}dĒ		€KP[ÁÜ^]^æc FKU}^Á/ā[^ GKV@^^Á/ā[^• HK2āç^Á/ā[^• IKV^}Á/ā[^• ÍKV,^}cÁ/ā[^•	Þ[ÁÜ^]^æc
ÜÒÚÒŒVÁÚUÙŒVŒUÞÆŒÁŒ•Á°}d^Ás^-4j^•ÁÜ^]^æóÁ Œ;}[ˇ}&^{ ^}œÁÚædóÁÚ[•ããá]}È	FG	FΕ̈́	F

PGM 213	BTN	RANGE	DEFAULT
FWD AFTER QUEUING This entry defines reroute usage after queuing time over.	13	0: Off 1: On	Off
Q-FWD DEST Reroute destination after queuing time over.	14	-	-
AGENT NO-ANS OPTION This entry defines no-answer Agent No-Answer case about ACD-call.  1 Not use 2 Forward: call will be forwarded to defined destination 3 DND: Agent state will be changed automatically to DND state.  4 DND & Forward: Agent state will be change to DND state, and ACD call will be forwarded to defined destination	15	0: Not use 1: Forward 2: DND state 3: DND & Forward	Not use
AGENT NO-ANS DEST When Agent No-Answer option is Forward, applied destination can be assigned.	16	-	-

## ACD Group Attribute2 (PGM 214) ... see details on page A-79

PGM 214	BTN	RANGE	DEFAULT
SUPERVISOR PSWD CHECK This entry defines check the supervisor password when supervisor change group status.	1	0:Off 1:On	0:Off
AGENT-AGENT CALL This entry defines agent to agent call restriction.	2	0:Allow 1:Direct call 2:Forward call	0:Allow
WORK MODE TIMER This entry defines wrap up timer of Agent Work State.	3	001-240	60
AUTO-WORK MODE OPTION This entry defines when change the agent work state. (It is applied, when only agent has auto-work option).  1 CALL: after conversation, agent state will be changed to work state.  2 CALL, RING: after conversation or after ringing, agent state will be changed to work state.  3 CALL, OG: after conversation or after make outgoing call, agent state will be changed to work state.  4 CALL, RING, OG: after conversation or after ringing or after make outgoing call, agent state will be changed to work state.	4	0:Call 1:Call, Ring 2:Call OG 3:Call, Ring. OG	0:Call

ÚÕT ÁÐFI	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
OEÞÞUWÞÔÒTÒÞVÁNÙÒÆËŽVŒ§Á\$}d^Ás^-ā,^•Á.•æ*^Á [-ÁOE;}[~`}&^{ ^}oŚ; @^}Áœ*^}oŚ; ^!Á§&[{ā;*Á\ OEÔÖÁÔæ È	ĺ	€U~ FKU}	<b>€</b> V~
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Û BÔÞVÁÐÞVÒÜXCЊÁEÐÁ @áÁr}d^Ás^æj^•Ásæj]æíÁ ā, c^¦çækÁr^&[}å•Á;ÁÛ*^*ā;*Ásu[*}oÁ;ÁOĐÔÖÁsæHÈ	Ϊ	€Ü^æÁ/ā ^Á FIÆ ^& GG ^& HK	€KÜ^æþÁ⁄ã(^Á
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PGM 214	BTN	RANGE	DEFAULT
INFO DATA PRINT This entry defines usage of ACD Call Traffic Information data Print or Not. Information Traffic data will be printed at Information-Print Port.	16	0:Off 1:On	0:Off
INFO PRINT INTERVAL This entry defines print interval seconds of Information Traffic data.	17	001-250	001 (10 sec)
INFO CLR AFTER PRT If this value is ON, after print Information traffic data, previous data will be deleted.	18	0:Off 1:On	0:Off

## ACD Group Announcement (PGM 215) ... see details on page A-81

PGM 215	BTN	RANGE	DEFAULT
TONE TYPE designates the tone type.	1	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	01:Normal Tone
TONE TIME determines the amount of time tone is provided.	2	1-600	10
TONE PORT tone port index of PGM 264. The cadence of tone port may be changed by using Web Admin.	3	1-19	-
PROMPT ANNC NO The VMIB Prompt or Announcement number when tone type is VMIB Prompt or announcement.	4	1-255	-
PROMPT ANNC RPT The VMIB Prompt or Announcement Repeat number when tone type is VMIB Prompt or announcement.	5	0-100	1
PROMPT ANNC INTVL The VMIB Prompt or Announcement Repeat interval when VMIB Prompt or announcement. Repeat is assigned.	6	0-100	0
CCR USE This option is defined during announcement will be played, usage of CCR feature.	7	0:Off 1:On	0:Off

# **CCR Service During ACD Announcement**

OZá{ājārdæagi¦ÁsæajÁn^Ósæà[ĭÓRÔÔÜÁn^¦çaBk^Ásǔ¦āj\*Ánæ&@ÁOZ;}[ĭ}&^{^}o^Án^¦çaBk^ÈÁQQÁnæ&@ÁOZÔÖÁ Õ¦[ĭ]Á@ænÁlÁOZ;}[ĭ}&^{^}oÁgi¦ÁRÔÔÜÁQÍÁQÍÁÛĭ^ĭāj\*ÁOZ;}[ĭ}&^{^}orÉApāt@ÉAp[jaåæiÉAæajåÁ Uç^¦-[jÁOZ;}[ĭ}&^{^}orDEÁ

Otā{ ājārdæ[¦ÁsæjÁ; æ\^Á`|^ÁÔÔÜÁ•æ\*^Ás\*¦āj\*Ánæ&@Áājå•Á;ÁOU;}[`}&^{ ^}dĚQÁnæ&@Áājå•Á;Á æ}}[``}&^{ ^}œÁ[}^Ás`]^ÁsAÁ^oÁæeÁæj}[``}&^{ ^}oÁæ)åÁo@}ÁÖÖÜÁ•æ\*^ÁsAÁ^oÆëÖ`¦āj\*Á æ}}[``}&^{ ^}oÁ^¦çæ%ÁsÁ[{ ^Á;Á,Ý { à^¦ÆsÁs^œ\*&c\*åÉBÔÔÜÁ`|^ÆsjÁOU;}[``}&^{ ^}oÁææi|^Á;ā|Æs^Á []^¦ææ\*åÈ

V@ ÁÛ^•c^{ Á&æ) Áj¦[çãã^ÁÔÔÜÁÛ^¦çã&^Áå°¦āj\*Á`^`āj\*Áæ)}[`}&^{ ^}oÁæ&&[¦åāj\*Áq Ás@ ÁÔÔÜÁ []cāj}È

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- " Qc^\} ædÁÚæt^ÁZ[}^
- ″ X[ã&^ÁTæãÁÓB&&^••ÁÔ[å^
- ″ ÔÔÜÁ028& ^ • ÁÔ[å ^ ÁÉÁXT QÓÁ02;}[ˇ]& ^ { ^ } c
- ″ ÔÔÜÁŒ&&^••Áæ) åÁÖ¦[]ÁÔ[å^ÁŒÁKTŒÓÁŒ;}[ˇ]&^{ ^}c
- ″Ô[} ^\^} &^ÁÜ[[{
- ″ Þ^oÁ, `{ à^¦

QhÁscá å ãtā[}ÊÁs@ÁÛ^•  $\mathcal{O}$ {Á āļÁ;[} ãt[!Ásā ār Á[!ÁscÁ^•  $\mathcal{O}$ {Á, ´{ à^|ā, \*Á||a;}  $\mathcal{O}$ \*Á cætā[} Á, ´{ à^|DÁSAÁ c@Á\/•  $\mathcal{O}$ A\/•  $\mathcal{O}$ 

### CONDITIONS

- ËÁ ÙOÚÐOÙÖÞÁ^¦{ã;æþÁs[^•Á;[œÁ\*]][¦œÁÔÔÜÁ^æĕ°¦^È
- ËÁ QJÁ&æ•^Á;ÁCE\*^}óÁCE;^\ÁCE;}[~`}&^{ ^}&^{ ^}oÉÔÔÜÁ;]cā;}ÆiÁ;[oÁæ]]|æ?åÈ

### **OPERATIONS**

CCR Operation During Queuing Announcement

- FÈ OĐÔÖÁ&æq|Áæd¦ãç^•Áæq)åÁæq)Ás@Áæd^}; œÁæd^Á;[cÁ^æå^Á;Á^&^ãç^Ás@Á&æq)È
- QÈ QĐÔ ÖÁSAHÁ, đị Kà ^Á ` ^ ` ^ å ÁsQ å ÁsQ } ÁÛ ` ^ ` ð, \* ÁQE } [ ` } & ^ { ^ } oÁ, đị Kà ^Á ^ ! ç ^ å È
- $H\dot{E} \ddot{O}^{\dagger} \dot{a}^{\dagger} \dot{A} \dot{O}_{b}^{\dagger} = \dot{A}^{\dagger} \dot{$
- IÈ Ö^-āj^åÁÔÔÜÁseeà|^ÁsjÁOE;}[`}&^{ ^}oÁseeà|^Á¸ā|Áà^Á^-^\^}&^åÈÁ

## 5. Defined rule will be operated.

## **PROGRAMMING**

## Station Group

ACD Group Assignment (PGM 212) ... see details on page A-76

PGM 212	BTN	RANGE	DEFAULT
GROUP NAME ACD Group Name.	1	Start ACD Group Number & End ACD Group Number	-
SERVICE MODE ACD Group Status.	2	0: Normal 1: Group Forward 2: Overflow 3: Night 4: Holiday 5: Not Service	Normal
TENANT NO ACD Tenant Number.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE INDEX ACD Group Time Table.	4	1-9	1
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

# ACD Group Attribute1 (PGM 213) ... see details on page A-77

PGM 213	BTN	RANGE	DEFAULT
SUB-SUP ASSIGN This entry assigns Sub-Supervisor in ACD Group.	1	-	-
GROUP FWD DEST When ACD Group status is Group Forward Status, all of ACD call will be forwarded to this entry assigned destination.	2	-	-

ÚÕT ÁGFH	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÞÓÐPVÁÙÒÜXÓÒÁTÄTÄV @āÁn}d^Ás^æj^•ÁQī, ÁgÁn¦[ˇơÁĐĐÔÓÁ &æ  Á, @}Án¦[ˇ]Án œæĕ•ÁāAn ā@ÁÙœæĕ•È	Н	€1ÁÜ^ ^æ•^ F1ÁOE;}[`}&^{^}c G1ÁO[¦,æ\å	Ü^ ^æ^
ÞØPVÁØYÖÁÖÒÙVÁŒÁV@}ÁÞã®ÁÛ^¦çã&Ác]^ÁsáÁZ[¦¸æååĒAæ]]/ðvåÁs^eæ³ã}}Åææ)ÁsAÞæ°ã}}^åÈ	I	Ë	Ë
PUŠŒ)CŸÁŪĊÜXΦÔÁŒĂVŒ;Á9,^4,^4, Á0; Á4, Án;[čóÁŒÔÖÁ &a Á, @}Á;[č]Ácæč•ÆnÁP[ ãiæÁŪcæč•È		€1ÁÜ^ ^æe^^ F1ÁΩξ}[ັ}&^{^}dÈ G1ÁΩ[¦,ælå	Ü^ ^æ•^
PUŠCÖOĞ KAYÖ ÁÖÒÙVÁŒÁY @ } ÁP[ ãã æ ÂÛ^\çā&^Ác]^Áa Á Ø[¦, æ å Éban]] a å Áå ^ • cā; æ aā; } Ásaa) Ás ^ Áse • ā*; ^ å È	Î	Ë	Ë
UXÒÜØŠUYÁÙÒÜXÓÒÁËËV@sÁ;}d^Ás^4j^•ÁQ;ÁqÁ^¦[č&Á OBÔÖÁSæ  Á;@}Á;[č]Árææě•ÁsaÁUç^;-  ;ÁÚææě•É	Ϊ	€ΛάÜ^ ^æe^^ FΜάŒ[}[ັ}&^{ ^}c GΜάΦ[¦,æbå	Ü^ ^æ•^
UXÒÜØŠUYÁØYÖÄÖÒÙVÆËÄY@}ÁUÇ^¦- [¸ÁÛ^¦çæX^Á¢]^Áæ Á Ø[¦¸ælåÊÁæ]] ð\åÁå^•œlæað }Ása),Ása-èðt}^åÈ	Ì	Ë	Ë
T CÉYÁÛWÒWOÞŐÁÔUWÞVÁ莊ÁV@\$AÁ}d^á\$^-\$j^•ÁT CÉYÁ*^~\$j*Á &æļÁ\$[~}dĚ\$A*^~\$j*ÁDÉÔÁÔæļÁ\$[~}dŚrÁ;ç^!Ás@Á;æ¢ÁЁS[~}dĚ OEÔÖÁ;[~]Ácæe^Á;ājÁ\$^Ás@æ)*^åÁ(ÁUç^!-{ ,ÁÛæĕ*•È		€EÜJ	F€
ÛWÒWODŌÁOĐÞÔÁÙVÒÚÁËËV@&Á°}d^Ás^-ā,^•Á`^čā,*Á æ}}[``}&^{ ^}d\$, æÁ^\;æ&^Á^!;ā&^A;oBÖÖÁÖ;[``]Á&æ)Á@æ;^Á {æ¢ÁÁæ}}[``}&^{ ^}d^!;å&^*ā,*ÁDĐÖÖÁÔæ È	F€	FΕ̈́	F
ÜÒÚÒŒVÁÔU WÞ VÁĒĒÁV @ Á Á Á ^ ª ^ • Á æ æ Á ² æ Á æ } [ æ Á û æ Á ^ ª ^ * Å æ } [ ` } & ^ { ^ } œ Á ^ } cæ Á ^ ¦ ç æ Á ^ ¦ ç æ Á ^ § æ Á } d ^ £ Æ Á æ } [ ` } & ^ { ^ } œ Á ^ ¦ ç æ Á ^ ¦ ç æ Á Æ § [ ` } & ^ • Á æ Á A } d ^ • Á æ Á A } cæ Á & [ ` } e Å & ]   æ ^ å Á ! [ { Á F • o Á I Á Å ^ ª A Å Û C ] E Æ Ø § Á ! [ { Á Ü ^ ] ^ æ Á Û E }   E Å E Ø § Á ! [ { Á Ü ^ ] ^ æ Á Û E }   ` } & ^ § A { ^ } o Á ¶ Æ ^ Á ^ • œ & Å Æ Æ A Å Ø Å Å Ø & Ø Å Æ Å Ø Å A Ø & Ø Å Æ Å Ø Å Ø & Ø Å Æ Å Ø Ø Å Ø Ø Å Ø Ø Å Ø Ø Å Ø Ø Å Ø Ø Å Ø Ø Å Ø Ø Å Ø Ø Ø Å Ø Ø Ø Å Ø Ø Ø Å Ø Ø Ø Å Ø Ø Ø Ø Å Ø		€H⊅[ÁÜ^]^æc FKU}^Á/ā;^ GKV@^^Á/ā;^• HKØāç^Á/ā;^• IKV^}Á/ā;^• ÍKV;^}ċÁ/ā;^•	Þ[ÁÜ^]^æc
ÜÒÚÒŒVÁÚUÙŒVŒUÞÆŒÁ @\$A\d^&\$^-\$}^•ÁÜ^]^æA Œ;}[~}&^{ ^}oÁÙæ&oÁÚ[•ãæ;}È	FG	FΕ̈́	F
ØY ÖÁŒZNÒÜÁÛWÒWŒPÕÁËËÁØ®AÁ}d^Á&^-4}^•Á^¦[ˇ♂Á•æ⁴^Á ææ^¦Áˇ^ˇð;*ÁæĮ ^Á;ç^¦È	FH	€KÁU~ FKÁU}	U~-
Û ËZY ÖÁÖÒÙVÁŒÄÜ^![ ˇơ Ás^• cā) æcā[ } Áseơ \ Á ˇ^ ˇā] * Ásā[ ^Á; ç^ \ È	FI	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
AGENT NO-ANS OPTION This entry defines no-answer Agent No-Answer case about ACD-call.  1 Not use  2 Forward: call will be forwarded to defined destination  3 DND: Agent state will be changed automatically to DND state.  4 DND & Forward: Agent state will be change to DND state, and ACD call will be forwarded to defined destination	15	0: Not use 1: Forward 2: DND state 3: DND & Forward	Not use
AGENT NO-ANS DEST When Agent No-Answer option is Forward, applied destination can be assigned.	16	-	-

## ACD Group Attribute2 (PGM 214) ... see details on page A-79

PGM 214	BTN	RANGE	DEFAULT
SUPERVISOR PSWD CHECK This entry defines check the supervisor password when supervisor change group status.	1	0:Off 1:On	0:Off
AGENT-AGENT CALL This entry defines agent to agent call restriction.	2	0:Allow 1:Direct call 2:Forward call	0:Allow
WORK MODE TIMER This entry defines wrap up timer of Agent Work State.	3	001-240	60
AUTO-WORK MODE OPTION This entry defines when change the agent work state. (It is applied, when only agent has auto-work option).  1 CALL: after conversation, agent state will be changed to work state.  2 CALL, RING: after conversation or after ringing, agent state will be changed to work state.  3 CALL, OG: after conversation or after make outgoing call, agent state will be changed to work state.  4 CALL, RING, OG: after conversation or after ringing or after make outgoing call, agent state will be changed to work state.	4	0:Call 1:Call, Ring 2:Call OG 3:Call, Ring. OG	0:Call
ANNOUNCEMENT USE This entry defines usage of Announcement when agent answer incoming ACD Call.	5	0:Off 1:On	0:Off

ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÕÜUWÚÁÛÉÖÞVÁÖOÙÚŠOSÝÁEÉAV@áÁn } d^Ásn^-a},^•Á åã] æÁ;AÛ`^`ä}*Ás[`}o4;ÁOBÔÖÁsæ  È	Î	€C~ FKU}	<b>€</b> (U~-
Û ËÔÞVÁÐÞVÖÜXCЊÁËËVŒÐÁN}d^Á&^-A}^•Á&ā] æÁ B}c^¦çæÞÁ^&[}å•Á;-ÁÛ*^*B}*Á&[*}of;-ÁGÐÖÁ&æHÈ	Ϊ	€'Ü^æ\Á'ā ^Á FKE ^& G'G ^& HKE ^& IK	€rü^æþá⁄ā, ^Á
ŠUÕ OÞÁ JOÈ Ù Y ÖÁÔ PÒÔ SÁË Á V @Á Á } d^Ás^-] ^•Á&@& Á c@Á,æ•, [¦åÁ, @}Ásē*^}ơÁ(*Ë)È	Ì	€U~ FKU}	€ <b>U</b> ~
ŠUÕOÞÁNEÕÒÞVÁÙVOÐÓÁEÄV@áÁ}d^Áå^-¾^•Á•æť^Á,-Á å^-æĕ oNOE^}oÁÙææ^Á;]qā;}Á;@}Áæe*^}o4(*Ë)È	J	€KÜ^æå^Árææ^ FKÖÞÖÁrææ^ GKY[¦\Árææ^	€KÜ^æå^Árœæ^
ŠUÕOÞÁŒWUÁŒÞÙYÒÜÆËÉV@sÁs}d^&s^-ā,^•Á.•æ*^Á [-ÁŒ^}oÁŒ qÁŒ,•¸^¦Á;]dá;}ý,@}Áæ*^}oÁ[*Ëa;È	F€	€U~ FKU}	€KU~~
ŠUÕ OD ÁOEWUÁY UÜSÁEËÁV@SÁA}d^Ás^-4}^•Á•æ*^Á;-Á OE^}oÁOE qÁY[¦\Áj]qā;}Á;@}Áse*^}oÁ(*Ë;È	FF	€U~ FKU}	€KU~~
ŠUÕΦÁPŒPÖÙÒVÆËÄV@ÁÅ}d^Áå^¾^•Á•æ*^Á,-Á Œ^}ơÁP^æå•^ơÁ]qã}Á¸@}Áæ*^}ơÁ(*BjÈ	FG	€12°^æå•^o∕√([å^ F14°2æ)å•^o∕√[å^ G+Òæ36Ë æ3√([å^ H+Ó `^{[[æ]√([å^Á	FKPæ)å•^o⁄T[å^
ŠUÕUWWÁPOÞÖÙÒVÁÏÏÄV@āÁn}d^Ás^尋^•Á•æ*^Á;Á CP^}ơÁP^æå•^ơÁ;] @{}Á; @}Áæ*^}ớ(* 模 ˇ c	FH	⊕1??^æå•^α′(, [å^ F1??æ)å•^α′Τ[å^ G+Òæ38⊟ 38√1[å^ H+Ó `^([[α@/(, [å^ IKŠ[*[]ÅΤ[å^	FKPæ) å•^o⁄T[å^
ŠUÕUWWÁÜÒÙVÜÔVQUÞÁŒÁV@•ÁN}d^Á&^-4}^•Á ¦^•d&cai}Á;-ÆŠ[*[*oÄÜcæe^ÁCE^}dÈ	FI	€14>[cÁ.•^ FIÔUÁ;*č*[ā]* GYO∰Á&æ#	<b>⊕</b> \$[ óK•^
ÔUÁQEÞÙY ÒÜÁ/QT ÒÆŒÁ @ÁA} d^Ás^-4j^•Á; @}Ás@Á QEÔSÁ;^••æ*^Ás•Á^> cÁ; Ásæ∯^!ÁjætêÈ	FÍ	€rÛ*^*^åÁq(Á*¦[*] FKOĒ^}oÁO5,•,^¦	€KÛ `^ `^åÁ([Á'¦[ `]
OÞØUÁÖCE/OZÁÚÜOÞVÁEEÄ/@srÁs}d^Ás^aj^•Á·eæ*^Á;-Á OEÔÖÁÔæHÁ/læ-aBÁQ-{¦{æaā}}ÁsæææÁU¦ājoÁ;¦ÁÞ[dEA Op-{¦{æaā}}Á/læ-aBÁsæææÁjā Asi^Á;¦ājo^å/ÁæA Op-{¦{æaā}}ÉÚ¦ājoÁÚ[¦dÈ	FÎ	€KU~ FKU}	€KU~

PGM 214	BTN	RANGE	DEFAULT
INFO PRINT INTERVAL This entry defines print interval seconds of Information Traffic data.	17	001-250	001 (10 sec)
INFO CLR AFTER PRT If this value is ON, after print Information traffic data, previous data will be deleted.	18	0:Off 1:On	0:Off

ACD Group Announcement (PGM 215) ... see details on page A-81

## **ACD Agent State**

When administrator assigns the agents, all of agents are log-out state. If agents want to receive the ACD call, agents have to go to log-in state. Agents can go to log-in state with [ACD Agent Login/Logout] feature code. And also log-in agents can change their state from Ready state to DND state and Work state. So each agent can have 4 types of state (Log-Out / Log-In Ready / Log-In DND / Log-In Work).

- 1 Log-Out State: Agent is only assigned for ACD member. Agents cannot receive ACD call. If [Call Restriction When Agent Logout] admin is set as All Call Restriction, agents cannot make call.
- 2 Log-In Ready State: Agent is logged-in and ready to receive the ACD call.
- 3 Log-In Work State: Agent is log-in state but agent can work without any ACD call during Work-Mode Expired Timer. Work-Mode Expired Timer can be changed at admin [PGM] 214 - Flex 3]. After this timer agent's state is changed to ready state automatically.
  - 1) Agents can set own state to Work state with {ACD Agent Work Mode} feature code.
  - If agent dial {ACD Agent Work Mode} feature code or press flex button registered as {ACD Agent Work Mode} feature code, agent state goes to Ready State.
  - Also agents can set Auto Work State Changing Function with {ACD Agent Auto Work} feature code. If Auto Work State Changing Function is set, after conversation or after ringing or after outgoing call, agent state automatically changes to Work State. Changing condition can be set at Agent Auto Work Mode admin [PGM 214 -Flex 4]
- 4. Log-In DND State: Agent is log-in but agent is set as DND. DND agent does not receive ACD call. DND is not changed automatically, agent has to change own state to Ready state or Work state. Supervisor or Sub-Supervisor can monitor DND agent and then can change their DND state to Ready or Work State.
  - 1) Agent can set own state to DND State with {ACD Agent DND} feature code.
  - If agent dial (ACD Agent DND) feature code or press flex button registered as (ACD) Agent DND} feature code, agent state goes to Ready State.

QÃOE^} of [ÜÜŞ•]^¦ÂÛ^¦çã&^áshaal{ ā, kā Á^óshaa ÁÖÞÖÁÛcæc^ÁÖ@a)\*^ÃÚÕT GFI ÜZI^¢í đÃ, @}Ást^}oÁ å[^•Á,[oÁs)•]^¦Á@ÁOEÔÓÁSæd|ÁS@áÁst^}oÁcæc^Á, ā|Ás^ÁS@a)\*^åÁq[ÁÖÞÖÁlcæc^ÉÁDā{ ā, ā dæq[¦ÁSæ)Á æþ[Á^oÁ,[Üæ)•]^¦ÁOEÔÖÁSæd|Áq[Á;[Á;], æbåÁq[Á^\*ā c°¦^åÁs^•cā]æaāq}ÁÃÚÕT GFI ÜZI/¢í åÈ

#### **OPERATIONS**

### Agent Work State

- FÈ ÖãæḥÁ,OÆÔÖÁOE^}oÁY[¦\ÁT[å^¤ÁA\*æeč¦^Á&[å^È OR
- QÈ Ú¦^••Á|^¢Áà co } Á^\*ã c^¦^åÁæ ÁOĐÔÖÁOE^} oÁY [;\ÁT [å^¤Á^æc ¦^Á&[å^È
- HÈ QÁse\*^}oÁsiÁ[\*Ëà)ÉÁse\*^}oÁ\*[^•Ás[ÁY[¦\Á;[å^Á:cææ\*È
- IÈ Œe^\ÁÃŒ^^} œÁ^ [ :\ ËT [ å^ÁÒ¢] ā^åÁ/ā ^ā£Áe\*^} œÁ [ ^•ÁţÁÜ^æå^ÁÙææ^È

### Agent Auto-Work Mode

- Œ Ú¦^••Á|^¢Áa`œ[}Á^\*ãœ'\^åÁæ Á,ŒÔÖÁŒ^}œ´C (Á/[¦\¤Á^æč¦^Á&[å^È
- HÈ CE^}oÁsnÁ^^oÁseÁCE dEY[!\ÁT[å^
- $$\begin{split} \text{I } \dot{\text{E}} & \text{OE}\text{ev} | \dot{\text{A}} \dot{\text{O}}\text{ad} | \dot{\text{A}} | \dot{\text{A}} \dot{\text{U}} \dot{\text{J}} * \dot{\text{E}}\text{Ast}^* \rangle & \text{o'A} (\text{case}^* \dot{\text{As}} \dot{\text{Ast}} ) & \text{o'A} (\text{case}^* \dot{\text{As}}) \wedge & \text{o'A} (\text{case}^*) \wedge$$

### Agent DND State

- FÈ Öã¢Á,QĐÔÖÁQĒ^} ơÁÖÞÖ¢Á^æč¦^Á&[å^È OR
- ŒÈ Ú¦^••Á∤^¢Áà`α[}Á^\*㢰¦^åÁæ•Á,ŒÔÖÖÁŒ\*^}ďÖÞÖ¤Á^æĕ`¦^Á&[å^È
- HÈ QÁset^} oÁsiÁ[\*Ë;) ÉÁset^} oÁ [^•Á;[ÁÖÞÖÁ;cæe^È

## ACD Call Operation when agents no-answer

- FÈ OĐÔÖÁSædJÁSel;ãç^•ÁSe) åÁSet^} cÁSa[^•Á;[cÁSe]•\_^¦ÁS@ÁSæd]È
- HÈ QÁU] cā[}Án ÁO[¦ æbå Án ÁO[¦ æbå Án ^• cā] æcā[}ÊÁOEÔÖ ÁSæd|Án Án ¦[ˇơ å Án Án ¦ æbå Án ^• cā] æcā[}Á ŽÚÕT CEFIEÖ[/ ợÎ đÈ OR
- IÈ QÁU] qã } Ám ÁDE^ } oÁÖÞÖÁÙ qæe^ ÁÔ @æ) \* ^ ÉÁÞ [ Éæ) ¸ ^ ¦ Áæē ^ } oÁ qæe^ Á¸ ã| Áa ^ Á& @æ) \* ^ ÁQ ÁÖÞÖÉÁ æ) å ÁDEÖÖÁSæ| Á¸ ã| Áa ^ Á^ | ^ æe ^ å È
  OR
- ÍÈ QÁU] cā[}Ánē ÁCĒ^}ơÁOÞÖÁÚcæc^ÁÔ@æ)\*^Áæ)åÁO[¦¸æ¦åĚÞ[Ëæ)•¸^¦Áæč^}ơÁcææ^Á¸ā|Áa^Á &@æ)\*^Á[ÁÖÞÖÉÆæ)åÁOŒÔÖÁ&æ|Á¸ā|Ás^Á^¦[č°åÁ£[Á¦¦¸æ¦åÅa^•cā]ææā[}

### **PROGRAMMING**

Numbering Plan

Feature Numbering Plan (PGM 113) ... see details on page A-17

Station Group

ACD Group Assignment (PGM 212) ... see details on page A-76

PGM 212	BTN	RANGE	DEFAULT
GROUP NAME ACD Group Name.	1	Start ACD Group Number & End ACD Group Number	-
SERVICE MODE ACD Group Status.	2	0: Normal 1: Group Forward 2: Overflow 3: Night 4: Holiday 5: Not Service	Normal
TENANT NO ACD Tenant Number.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE INDEX ACD Group Time Table.	4	1-9	1
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

## ACD Group Attribute1 (PGM 213) ... see details on page A-77

PGM 213	BTN	RANGE	DEFAULT
SUB-SUP ASSIGN This entry assigns Sub-Supervisor in ACD Group.	1	-	-
GROUP FWD DEST When ACD Group status is Group Forward Status, all of ACD call will be forwarded to this entry assigned destination.	2	-	-

ÚÕT ÁGFH	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÞÓÐPVÁÙÒÜXÓÒÁTÄTÄV @āÁn}d^Ás^æj^•ÁQī, ÁgÁn¦[ˇơÁĐĐÔÓÁ &æ  Á, @}Án¦[ˇ]Án œæĕ•ÁāAn ā@ÁÙœæĕ•È	Н	€1ÁÜ^ ^æ•^ F1ÁOE;}[`}&^{^}c G1ÁO[¦,æ\å	Ü^ ^æ^
ÞØPVÁØYÖÁÖÒÙVÁŒÁV@}ÁÞã®ÁÛ^¦çã&Ác]^ÁsáÁZ[¦¸æååĒAæ]]/ðvåÁs^eæ³ã}}Åææ)ÁsAÞæ°ã}}^åÈ	I	Ë	Ë
PUŠŒ)CŸÁŪĊÜXΦÔÁŒĂVŒ;Á9,^4,^4, 4, 4, 4, 1, č, 4, 4, 1, č, 4, 4, 4, 1, č, 4, 4, 1, č, 4, 4, 1, č, 4, 4, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,		€λάÜ^ ^æ•^ FλάQξ}[ັ}&^{^}dÈ GλάQ[¦¸æ\å	Ü^ ^æ•^
PUŠCÖOĞ KAYÖ ÁÖÒÙVÁŒÁY @ } ÁP[ ãã æ ÂÛ^\çā&^Ác]^Áa Á Ø[¦, æ å Ébæ]] ā°å Áå^•cā;aæā;}Ásæ),Áse,Áse•ā*}^åÈ	Î	Ë	Ë
UXÒÜØŠUYÁÙÒÜXÓÒÁËËV@sÁ;}d^Ás^4j^•ÁQ;ÁqÁ^¦[č&Á OBÔÖÁSæ  Á;@}Á;[č]Árææě•ÁsaÁUç^;-  ;ÁÚææě•É	Ϊ	€ΛάÜ^ ^æe^^ FΜάŒ[}[ັ}&^{ ^}c GΜάΦ[¦,æbå	Ü^ ^æ•^
UXÒÜØŠUYÁØYÖÄÖÒÙVÆËÄY@}ÁUÇ^¦- [¸ÁÛ^¦çæX^Á¢]^Áæ Á Ø[¦¸ælåÊÁæ]] ð\åÁå^•œlæað }Ása),Ása-èðt}^åÈ	Ì	Ë	Ë
T CÉYÁÛWÒWOÞŐÁÔUWÞVÁ莊ÁV@\$AÁ}d^á\$^-\$j^•ÁT CÉYÁ*^~\$j*Á &æļÁ\$[~}dĚ\$A*^~\$j*ÁDÉÔÁÔæļÁ\$[~}dŚrÁ;ç^!Ás@Á;æ¢ÁЁS[~}dĚ OEÔÖÁ;[~]Ácæe^Á;ājÁ\$^Ás@æ)*^åÁ(ÁUç^!-{ ,ÁÛæĕ*•È		€EÜJ	F€
ÛWÒWODŌÁOĐÞÔÁÙVÒÚÁËËV@&Á°}d^Ás^-ā^•Á`^~ã*Á æ}}[``}&^{ ^}d\$, æÁ^\;a&A^\;ā&A^\;ŽU}^ÁOĐÔÁÕ;[``]Ásæ)Á@æ;^Á {æ¢ÁÁæ}}[``}&^{ ^}d^, ċÁ'`^~ã*ÁOĐÔÁÔæ È	F€	FΕ̈́	F
ÜÒÚÒŒVÁÔU WÞ VÁĒĒÁV @ Á Á Á ^ ª ^ • Á æ æ Á ² æ Á æ } [ æ Á û æ Á ^ ª ^ * Å æ } [ ` } & ^ { ^ } œ Á ^ } cæ Á ^ ¦ ç æ Á ^ ¦ ç æ Á ^ § æ Á } d ^ £ Æ Á æ } [ ` } & ^ { ^ } œ Á ^ ¦ ç æ Á ^ ¦ ç æ Á Æ § [ ` } & ^ • Á æ Á A } d ^ • Á æ Á A } cæ Á & [ ` } e Å & ]   æ ^ å Á ! [ { Á F • o Á I Á Å ^ ª A Å Û C ] E Æ Ø § Á ! [ { Á Ü ^ ] ^ æ Á Û E }   E Å E Ø § Á ! [ { Á Ü ^ ] ^ æ Á Û E }   ` } & ^ § A { ^ } o Á ¶ Æ Å Å ^ • œ & Å Æ Å Æ Å A Å A • æ Ø Å Æ Å Æ Å A Å A • æ Ø Å Æ Æ Å Ø Å Ø Ø Å Æ Æ Ø Å Ø Ø Å Æ Æ Ø Ø Å Æ Æ Ø Ø Å Æ Æ Ø Ø Å Æ Æ Ø Ø Å Æ Ø Ø Ø Å Æ Æ Ø Ø Å Æ Ø Ø Ø Å Æ Æ Ø Ø Ø Å Æ Æ Ø Ø Ø Ø		€H⊅[ÁÜ^]^æc FKU}^Á/ā;^ GKV@^^Á/ā;^• HKØāç^Á/ā;^• IKV^}Á/ā;^• ÍKV;^}ċÁ/ā;^•	Þ[ÁÜ^]^æc
ÜÒÚÒŒVÁÚUÙŒVŒUÞÆŒÁ @\$A\d^&\$^-\$}^•ÁÜ^]^æA Œ;}[~}&^{ ^}oÁÙæ&oÁÚ[•ãæ;}È	FG	FΕ̈́	F
ØY ÖÁŒZNÒÜÁÛWÒWŒPÕÁËËÁØ®AÁ}d^Á&^-4}^•Á^¦[ˇ♂Á•æ⁴^Á ææ^¦Áˇ^ˇð;*ÁæĮ ^Á;ç^¦È	FH	€KÁU~ FKÁU}	U~-
Û ËZY ÖÁÖÒÙVÁŒÄÜ^![ ˇơ Ás^• cā) æcā[ } Áseơ \ Á ˇ^ ˇā] * Ásā[ ^Á; ç^ \ È	FI	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
AGENT NO-ANS OPTION This entry defines no-answer Agent No-Answer case about ACD-call.  1 Not use  2 Forward: call will be forwarded to defined destination  3 DND: Agent state will be changed automatically to DND state.  4 DND & Forward: Agent state will be change to DND state, and ACD call will be forwarded to defined destination	15	0: Not use 1: Forward 2: DND state 3: DND & Forward	Not use
AGENT NO-ANS DEST When Agent No-Answer option is Forward, applied destination can be assigned.	16	-	-

### ACD Group Attribute2 (PGM 214) ... see details on page A-79

PGM 214	BTN	RANGE	DEFAULT
SUPERVISOR PSWD CHECK This entry defines check the supervisor password when supervisor change group status.	1	0:Off 1:On	0:Off
AGENT-AGENT CALL This entry defines agent to agent call restriction.	2	0:Allow 1:Direct call 2:Forward call	0:Allow
WORK MODE TIMER This entry defines wrap up timer of Agent Work State.	3	001-240	60
AUTO-WORK MODE OPTION This entry defines when change the agent work state. (It is applied, when only agent has auto-work option).  1 CALL: after conversation, agent state will be changed to work state.  2 CALL, RING: after conversation or after ringing, agent state will be changed to work state.  3 CALL, OG: after conversation or after make outgoing call, agent state will be changed to work state.  4 CALL, RING, OG: after conversation or after ringing or after make outgoing call, agent state will be changed to work state.	4	0:Call 1:Call, Ring 2:Call OG 3:Call, Ring. OG	0:Call
ANNOUNCEMENT USE This entry defines usage of Announcement when agent answer incoming ACD Call.	5	0:Off 1:On	0:Off

ÚÕT ÆFI	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠV
ÕÜUWÚÁÜÉÖÞVÁÖOÙÚŠOEYÁEEÁV@áÁn}d^Ás^-ā,^•Á åã] æÁjÁÛ`^`ā,*ÁS[`}oÁjÁOEÔÖÁ&aa È	Î	€KU~~ FKU}	€\
Û ÊÖÞVÁÐÞVÖÜXOBŠÁEÐÁ @ ÁA} d^Á&^-A}^•Á&ā] læ Á A} c^lçælÁ^&[}å•Á;-ÁÛ*^*A}*Á&[*}of;-ÁOBÖÖÁ&æHÈ	Ϊ	€\"U\^æ\\A\"\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<b>€</b> KÜ^æ∳Á⁄ą́ ^Á
ŠUÕODAÚODÙÙYÖAÔPÒÔSAËËV@AA}d^Áa^-4}^•Á&@&\Á c@Á;æ•,[¦åÁ;@}Áæ*^}dA[*Ë;È	Ì	€KU~ FKU}	€KU~~
ŠUÕOÞÁÐÖÒÞVÁÙVOÐVÒÆËÁV@ÁÁ}d^Áá^-á¸^•Á•æť^Á¸-Á å^-æĕ oÁOE^^}oÁÙææ°Á;]dá;}Á;@}Áæe*^}oÁ(*Ëä;È	J	⊕KÜ^æå^Árææ^ FKÖÞÖÁrææ^ GKY[¦\Árææ^	€KÜ^æå^Árœæ^
ŠUÕOÞÁOEWUÁOEÞÙYÒÜÁEÉÁØÐÁA}d^Á&^-A^•Á.•æ*^Á [ÁOE^}oÁOE (ÍÁOE,•,^¦Á;]dá;}Á;@}Áæ*^}oÁ(*ÉB;È	F€	€KU~ FKU}	€\0~
ŠUÕ OD ÁOEWUÁY UÜSÁEÉV@ ÁY d^Áa^-4}^•Á•æ*^Á;-Á OE^}oÁOE qÁY[¦\Áj] qā;}Á;@}Áæ*^}oÁ(*É;È	FF	€KU~ FKU}	€\0~
ŠUÕΦAPOÞÖÙÒVÆËVፙÁ\d^&^	FG	€12°^æå•^α′{\[å^ F14°2a}å•^α′τ[å^ G+Òæ36Ë 38√τ[å^ H+Ó `^α[[α©4\[å^Á	FKPæ)å•^o∕T[å^
ŠUÕUWWÁPOÞÖÙÒVÁÏÏÄV@āÁ*}d^Áå^尋^•Á•æ*^Á;Á OE^}dÁP^æå•^dÁ;] @{}Áæ*^}dÁ***********************************	FH	€14?^aaå.•^α√i[å^ F14?aa)å.•^α√i[å^ G+Òaa&ET &8√i[å^ H+Ó `^α[[α@√i[å^ IKŠ[*[]ÁT[å^	FKPæ) å•^o⁄T[å^
ŠUÕUWÁÜÒÙVÜÔVOUÞÁŒŰVŒ&Á\$}d^Ás^-A}^•Á ¦^•d&cai}Á;-ÆS[*[`oÁÜcæe^ÁCE^}dÈ	FI	€1\$-[σÁ•^ FHÔUÁ;*č*[ā]* GHO∰Á&æ#	€\P[ o\(\dagger)^
ÔUÁCEÞÙY ÒÜÁ/CI ÒÆŒÁ @ÁA} d^Á&^-4}^•Á; @}Ás@Á CEÔSÁ;^••æ*^ÁæÁ^>}óÁ;Ásæ#^!Ájæ#ĉÈ	FÍ	€rÛ*^*^åÁq(Á*¦[*] FKOE*^}αÁOE;•;^¦	<b>€</b> KÛ `^`^åÁ( Á';[`]
OÞØUÁÖOEÐOEÁÜÜOÞVÁEEÄV@sÁs}d^Ás^aj^•Á•æ*^Á;Á OEÖÖÁÔæHÁYæ-æKÁQ-{;{ææā}}ÁsæææÁÜ;ājóÁ;ÁÞ[ŒÄ Q-{;{ææā}}ÁV;æ-æKásæææÁjāHÁs^Á;¦ājó^åÁææÁ Q-{;{ææā}}ÉÚ;ājóÁÚ[;dÈ	FÎ	€KU~ FKU}	<b>€</b> U~

PGM 214	BTN	RANGE	DEFAULT
INFO PRINT INTERVAL This entry defines print interval seconds of Information Traffic data.	17	001-250	001 (10 sec)
INFO CLR AFTER PRT If this value is ON, after print Information traffic data, previous data will be deleted.	18	0:Off 1:On	0:Off

# ACD Agent Log-in / Log-out Default Setting

When agents go to log-in, some of default functions can be set according to admin values. And these kinds of values can be defined by an administrator:

- 1 Administrator can define Auto-Answer mode when agent goes to log-in [PGM214-Flex12]. If [Auto Answer Use When Agent Login] option is set, when agent goes to log-in state, this agent's answer mode is set as Auto-Answer. So when this agent receives the ACD call, after first ring, agent keyset automatically answer the ACD call. Agent cans turn-on or turn-off Auto-Answer function with {ACD Agent Auto Answer\ feature code.
- 2 Administrator can define Auto-Work mode when agent goes to log-in [PGM214-Flex13]. If [Auto Work-Mode Use When Agent Login] option is set, when agent goes to log-in state, this agent's auto work-mode is set. Agent cans turn-on or turn-off Auto-Answer function with {ACD Agent Auto Work} feature code.
- 3 Administrator can define log-in agent's headset mode when agent goes to log-in [PGM214-Flex14]. If [Handset Mode When Agent Login] admin is set as Headset or Handset or Ear-Mic, when agent goes to log-in state, this agent's headset mode is changed to defined value.
- 4 Administrator can define log-out agent's headset mode when agent goes to log-out [PGM214-Flex15]. If [Handset Mode When Agent Logout] admin is set as Headset or Handset or Ear-Mic, when agent goes to log-out state, this agent's headset mode is changed to defined value
- 5 Administrator can define log-out agent's call restriction [PGM214-Flex16]. Administrator can restrict all of call, and also only restrict outgoing call. If defined value is all of call, log-out agent cannot make any call.

#### PROGRAMMING

Numbering Plan

Feature Numbering Plan (PGM 113) ... see details on page A-17

Station Group

## OĐÔÖÁÕ;[ˇ]ÁŒ•ã}{ ^}ơÁÇÚÕTÁŒŒĐÁSÁ^^Á\$^œæÞÁ;}Á;æť^ OĦÎÎ

ÚÕT ÆFG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÞŒTÒÆŒÆŒÕÖÁÕ¦[ˇ]ÁÞæ{^È	F	ÙœdoÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦Á BÁÒ}åÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦	Ë
ÙÒÜXÓDÒÁTUÖÒÆŒÃŒÖÖÃÕ¦[ˇ]ÁÚæĕĚĚ	G	€nÁn-[¦{æ‡ FhÁn (C)[ັ]Án (2]¦,æ‡åÁ GhÁn (¢)¦-[[,Á HhÁn à @c IhÁn [ ãåæê ÍhÁn [αÁn \kán (añ) \k	Þ[¦{ æ
Á/ÒÞŒÞVÁÞUÁEÐŒÖÖÁ^}æ)æf*{ à^¦È	Н	FËJÁÇTÓÝÁQÚËHE€D FËJÁÇTÓÝÁQÚËHE€D	F
VOT ÒÁVŒÓŠÒÁOÞÖÒÝÆËÄŒÔÖÄÕ¦[ˇ]ÁVã(^Á/æà ^È	I	FËJ	F
OEWUÁTUÖÒÆŒŰŒŐÖÁŐ;[ˇ]ÁÛææč•Á&ææj*^åÁ æ&&[¦åā]*ÁqÁÛ°•c^{Áq ^Áææi ^ÁQpå^¢È	Í	= Kafr [ cÁW• ^ FKAfr a @ ÁCE q GKAR [   aña æ ÁCE q HKAfr a @ EPP [   aña æ ÁCE q	Þ[ ðÁW•^
ÙWÚÒÜXOÙUÜÁ⊳WTÁEEÄOSÔÖÁÕ¦[ˇ]ÁÛˇ]^¦çãa[¦Á æ••ã}È	î	Ë	Ë
T ÒT ÓÒÜÁDÈÙÙŒÞÁŒÁDÔÖÁÕ¦[ ˇ ] ÁDÊ^} ơÁæ•ã} È	Ϊ	Ë	Ë

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ÚÕT ÆFH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙWÓËÙWÚÁŒÙÙŒÕÞÁËËVŒªÁŊďÁæ•ã}•ÁÙ*àËŬ*]^¦çã[¦Á§Á ŒÔÖÁÕ¦[*]È	F	Ë	Ë
ÕÜUWÚÁØYÖÁÖÒÙVÁÄËÉY @}ÁŒÔÖÖÁÕ;[`]Áræĕ •ÁárÁÕ;[`]Á Ø[; æ;åÁĴæĕ •ÉÁæ Á;ÁŒÔÖÁ&æ Á;ā Ás^Á;; æ;å^åÁ;ÁæárÁ;d°Á æ••ā}^åÁs^•æā;}È	G	Ë	Ë
ÞΦPVÁŪÒÜΧΦÒÁ <del>TÄTÄ</del> VŒnÁ}d^Áa^aj^•ÁQ¸ÁqÁ^¦[ˇαÁΦÖÖÁ &aqlÁ,@}Át¦[ˇ]Án cæc •Án Án ā @AŪcæc •È	Н	€MÁÜ^ ^æe^^ FMÁŒ}}[ˇ}&^{ ^}c GMÁŒ[¦,ætå	Ü^ ^æ•^
ÞØPVÁØYÖÁÖÒÙVÁŒÄY@}ÁÞã@ÁÛ^¦çã&Ác]^ÁsáÁZ[¦¸æååÊÁæ}] ð\åÅs^éæ•å}}\åàÈ	I	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
HOLIDAY SERVICE This entry defines how to reroute ACD call when group status is Holiday Status.	5	0: Release 1: Announcement. 2: Forward	Release
HOLIDAY FWD DEST When Holiday Service type is Forward, applied destination can be assigned.	6	-	-
OVERFLOW SERVICE This entry defines how to reroute ACD call when group status is Overflow Status.	7	0: Release 1: Announcement 2: Forward	Release
OVERFLOW FWD DEST When Overflow Service type is Forward, applied destination can be assigned.	8	-	-
MAX QUEUING COUNT This entry defines MAX queuing call count. If queuing ACD Call count is over the max q-count, ACD group state will be changed to Overflow Status.	9	00-99	10
QUEUING ANNC STEP This entry defines queuing announcement play service step. One ACD Group can have max 5 announcements for queuing ACD Call.	10	1-5	1
REPEAT COUNT This entry defines total queuing announcement repeat service count. If this entry is defines as One or More Times service, Queuing Announcement will be played from 1st to defined Step. And then from Repeat Position Queuing Announcement will be restarted to defined step until Repeat Count.	11	0:No Repeat 1:One Time 2:Three Times 3:Five Times 4:Ten Times 5:Twenty Times	No Repeat
REPEAT POSITION This entry defines Repeat Announcement Start Position.	12	1-5	1
FWD AFTER QUEUING This entry defines reroute usage after queuing time over.	13	0: Off 1: On	Off
Q-FWD DEST Reroute destination after queuing time over.	14	-	-

ÚÕT ÁŒH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
OĐÔÞVÁÞUËÐÞÙÁUÚVOUÞÁËÄV@Á}d^Ás^-ā,^•Á;[Ëæ;•¸^¦Á Cº^}oÁÞ[ËÐ;•¸^¦Ásæ•^Áæi[ˇơÁĐĐÖËSæi È FÁÞ[c¼•^ GÁO[¦¸æåkÁsæi Á¸ã Ás^Á;¦¸æå^åÁ;Ás^-ā,^åÁs^•Œ;ææã;} HÄÖÞÖKÁOE^}oÁ·cæe^Á¸ã Ás^Ás@æ;*^åÁæěč;{ææãæi `Át;ÁÖÞÖÁ •œæ^È IÄÖÞÖÁBÁO[¦¸æåkÁOE^^}oÁ·cæe^Á¸ã Ás^Ás@æ;*^åÁsoæ;*Aí;ÁÖÞÖÁ·cæe^ÉÄ æ;åÁŒÔÖÁsæi Á¸ã Ás^Á;¦¸æå^åÁt;Ás^-ā,^åÁs^•œ;ææã;}	FÍ	€ÁÞ[cÁ • ^ FKÁZ[¦, ælå GÁÖÞÖÁGæe^ HKÁÖÞÖÁBÁZ[¦, ælå	Þ[ ðÁ•^
$\begin{array}{c} OE\tilde{O}\tilde{O} \triangleright V \not A \triangleright U E DE \tilde{D} \dot{A} \tilde{O} \tilde{O} \tilde{D} V \not A E \tilde{E} V @ \} \not A OE ^ \} \not A \triangleright [E DE \bullet , ^   \not A_1] call \} \not A \& A O[   B DE \bullet , ^   \not A_1] call \} \not A \& A \& A \& A \& A \& A \& A \& A \& A \& A$	FÎ	Ë	Ë

# $OE\hat{O}\ddot{O}\ddot{A}\tilde{O}; [\check{\ }] \ \acute{A}OEcd \ \hat{a}\check{a}\check{\ } \ c^{c}G\hat{Q}\check{U}\tilde{O}\mathsf{T} \ \acute{A}OFI \ D\acute{h}S \ \acute{A}^{a}^{a} \ coe\hat{a} \bullet \ \acute{A}; \} \ \acute{A}; \not a\stackrel{a}{c} \ ^{c}OH\ddot{I} \ J$

ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÙWÚÒÜXQÙUÜÁÚÙYÖÁÔPÒÔSÆËÉV@AÁ}d^ÆA^-JA^•Á &@&\Á@Á`]^¦çã[¦Á;æ••,[¦åÁ;@}Á`]^¦çã[¦Á &@)*^Át¦[`]Ácæč•È	F	€KU~ FKU}	<b>€KU~</b>
OEÕÒÞVËDEÕÒÞVÁÔOEŠŠÁËÄV@áÁr}d^Áår^æj^•Áæt^}oÁtÁ æt^}oÁsæt Á^•dæsæt}È	G	€KC∰[] FKÖã^&ó%Sæ∯ GKØ[¦,æ}å/%Sæ∯	<b>€C</b> \$\(\),
Y UÜSÁT UÖÒÁ/QT ÒÜÁËËV@#Á*} d^Áå^-4j^•Á; læjÁ]Á að, ^lÁ; ÁQE^} oÁY [¦\ÁÚææ^È	Н	€€FËG €	΀
CEWU BY UÜ SÁT U Ö ÒÁU Ú V QU Þ Á 田 花 ( 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本		€Ôæ  FrÔæ ÉѪ;* GrÔæ ÁJŐ HrÔæ ÉѪ;*ÉÑJŐ	€Ôæ
OÞÞÞUWÞÔÒT ÒÞVÁWÙÒÁŒÁV@áÁYd^Áá^æj^•Á•æť^Á [√ÁOE}][ˇ}&^{ ^}ơý;@}Áæt^}ơÁæj•¸^¦Ááy&[{ãj*ÁÁ OÆÔÖÁÔæjÈ	ĺ	€KU~ FKU}	€\

PGM 214	BTN	RANGE	DEFAULT
GROUP Q-CNT DISPLAY This entry defines display of Queuing count of ACD call.	6	0:Off 1:On	0:Off
Q-CNT INTERVAL This entry defines display interval seconds of Queuing count of ACD call.	7	0:Real Time 1:10sec 2:20sec 3:30sec 4:40sec 5:50sec 6:60sec	0:Real Time
LOGIN PASSWD CHECK This entry defines check the password when agent log-in.	8	0:Off 1:On	0:Off
LOGIN AGENT STATE This entry defines usage of default Agent State option when agent log-in.	9	0:Ready state 1:DND state 2:Work state	0:Ready state
LOGIN AUTO ANSWER This entry defines usage of Agent Auto Answer option when agent log-in.	10	0:Off 1:On	0:Off
LOGIN AUTO WORK This entry defines usage of Agent Auto Work option when agent log-in.	11	0:Off 1:On	0:Off
LOGIN HANDSET This entry defines usage of Agent Headset option when agent log-in.	12	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode	1:Handset Mode
LOGOUT HANDSET This entry defines usage of Agent Headset option when agent log-out	13	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode 4:Logon Mode	1:Handset Mode
LOGOUT RESTRICTION This entry defines restriction of Logout State Agent.	14	0:Not use 1:CO outgoing 2:All call	0:Not use
CO ANSWER TIME This entry defines when the ACK message is sent to caller party.	15	0:Queued to group 1:Agent Answer	0:Queued to group
INFO DATA PRINT This entry defines usage of ACD Call Traffic Information data Print or Not. Information Traffic data will be printed at Information-Print Port.	16	0:Off 1:On	0:Off

ÚÕT ÆFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
Φ, ØUÁÚÜΦ, VÁΦ, VÒÜXCEŠÁËÉÝ @āÁ^}d^Áå^-ā,^•Á,¦ā, αÁ ā, α^¦çæ‡Á^&[}å•Á, ÁΦ, [¦ æā]}ÁV¦æ-æXÁåæææÈ	FΪ	€€FËĞÍ€	€€FÁÇF€Á\^&D
OP ØU ÁÖSÜÁOTÐVÖÜÁÜÜVÁTÐÁÁÆ ÁJÞÉÁÐÐ Á             1 a oÁQ 1   1 acai } Ád æðaðá æðaðá   ^çai * Ásæðá allás ^ Á           å^ ^ chå è	FÌ	€KU~ FKU}	€KU~-

## **ACD Call Indication**

OE^} o Ásæ) Á^S[\*] ã^ÁDĐÔÖÁSæ|Á¦ ká@Á; c@¦ÁS[{ { [} Ásæ|Á; ã@ÁDĐÔÖÁSæ|ÁQå à Bææā]} mÁn à ÁÞUÞÁ
OĐÔÖÁÔæ|ÁQå à Bææā]} mÁn æĕ !^ÁS[å^• ÞÁDĒ^} oÁsæ• ð ã } ÁDĐÔÖÁSæ|Áā à Bææā]} mÁn æð å ÁÞ[} ĒDĐÔÁSæ|Á
Qå à Bææā]} Æ ÁsæÁy ¢Ás of } Á; ão∰ADĐÔÖÁÓæ|ÁQå à Bææā]} mÁn æš !^ÁS[å^Ásæ] à ÁÞUÞÁOĐÔÖÁÓæ|Á
Qå à Bææā]} mÁn æĕ !^ÁS[å^ÞĚV@} ÁSÆÁSÞ ÁOĐÔÖÁSæ|ÆSÁ[° co å Ág Ásæ] Ásæ\* ^} ŒÁÇDĐÔÖÁÓæ|ÁQå à Bææā]} DÁYn ¢Á
à of } Á; å Ásæ Áš !} ^åÁ; ÞÁOBĴÁSæ]ÁDÐÔÁSæ|ÆSÁ] É ÉDÐÔÖÁSæ|ÆSÆÆ]ÁSÞ ÁSÆ ^} ŒÁÇÞ[} ÁOÐÔÖÁÓæ|Á
Qå à Bææā]} DÁYn ¢Ás of } Á; å Ásæ Ásē '} of Á ālÁs ^Ás !} è

#### **OPERATIONS**

Agent Assign (ACD Call Indication) feature code

FÈ Ú¦^••ÆZ/¦æ)•ÐÚÕTæÁà cd;}È

 $\stackrel{\circ}{\text{CE}} \stackrel{\circ}{\text{O}}_{\mathbb{Q}}[\bullet \wedge A_{\mathbb{Q}}] \wedge \phi \stackrel{\circ}{\text{A}}_{\mathbb{Q}} \wedge \phi \stackrel{\circ}{\text{A}}_{\mathbb{Q}$ 

HÈ Öãn Á OTÔ ÖÁÔ æ Á Á Q å å & æ æ å } ¤Á ^ æ æ ' \^ Á & j å ^ È

Agent Assign {NON-ACD Call Indication} feature code

FÈ Ú¦^••ÆZ/¦æ}•ÐÚÕTæÁača{}È

 $\stackrel{\frown}{CE} \stackrel{\frown}{O}_{\tiny Q}[\bullet \land AO] \land \phi Ai \circ \alpha[AO] \land \phi$ 

#### **PROGRAMMING**

Numbering Plan

 $Q^*$   $aec^*$   $|^A$   $aec^*$ 

ÚÕT ÁFFÌ	ÓVÞ	ÜŒĐÕÒ	ÜÒTŒÜS
ŒÔÖÁÑÜUWÚÁÜŒÞÕÒÁŒÁŒÔÖÁÕ¦[ˇ]Án>ˇ{ à^¦ÁnåãóÁ à^Áæ}*^È		Ùcædó OĐÔ ÖÁÕ¦[ˇ]ÁÞˇ{à^\ÁBÁ Ò}åÁ OĐÔ ÖÁÕ¦[ˇ]ÁÞˇ{à^\Á	Ë
ŒÔÖÁÕÜUWÚÁÞUÁĒËÁŒÔÖÁÕ¦[ˇ]ÁÞˇ{ à^¦Á\åãĒ	G	ŒÔÖÁÕ¦[ˇ]ÁÞˇ{à^¦	Ë

Station Port Station Port Attribute (PGM 124) ... see details on page A-27

PGM 124	BTN	RANGE	DEFAULT
MSG WAIT INDICATION this menu determines the way to notify a station to wait message.	1	01-48	MW Remind Tone
APPLY DIFF RING determine user's differential ring mode. Applying to all ring mode or normal ring mode.	2	1-9	All Ring
ICM DIFF RING ID set the intercom differential ring ID – usually 1-4 is valid.	3	000-254	On
CO DIFF RING ID set the CO line differential ring ID usually 1-4 is valid.	4	000-254	Off
COS APPLY OPTION determine whether the applied COS is the COS of SUB-DN or COS of MY-DN when station accesses SUB-DN.	5	0: SUB-DN 1: MY-DN	SUN-DN
HOOK FLASH WHEN TRANSFER Determine the operation when user press hook-flash button while transferring call.  0. Cancel transfer: drop current call and recover previous call 1. Broker: hold current call and recover previous held call 2. Conference: establish 3-way conference call. 3.Broker-Conf: Operated Broker and Conference when a user hook flash within 2 sec	6	0: Cancel Transfer 1: Broker 2: Conference 3: Broker-Conf	Cancel Transfer
OFF-HOOK ON 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.	7	0: Paged 1: Dial Tone	Paged
PLA Preferred Line Answer enables Ringing Line Preference for the station. Calls that ring the telephone are answered by going off-hook. (Reserved).	8	0: Off 1: On	On
PICKUP BY DSS BUTTON this value determines the method of pickup when pressing DSS button.	9	0: Disable 1: Group Pickup 2: Direct Pickup	Direct Pickup
CLI IP ADDRESS CLI IP Address.	10	IP Address	0.0.0.0
ACD AGENT PRIORITY when a station is a member of an ACD Group, this value will be used for priority as agent.	11	01-20	10

## Station Group

## OĐÔÖÁÕ:[ˇ]ÁŒ•ã}{ ^}ơΦŮÕTÁŒŒΦÅ;}Á¸Á¸æ≛^ OĦÎÎ

ÚÕT ÆFG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÞŒTÒÆŒÆŒÔÖÁÕ¦[ˇ]ÁÞæ{^È	F	ÙœdoÁOEÔÖÁÕ¦[ˇ]ÁÞˇ{à^¦Á BÁÒ}åÁOEÔÖÁÕ¦[ˇ]ÁÞˇ{à^¦	Ë
ÙÒÜXÓDÁT UÖÒÆÄÄÐÖÖÄŐ¦[ˇ]ÁÚæĕě•È	G	€nÁc [:{æ; FhÁO:[ˇ]Á2[:,æ;åÁ GhÁu,ç^:,-[;Á HhÁc à @c IhÁc [jããæ; ÍhÁc [σÁù^:;çã&^	Þ[¦{ æ
Á/ÒÞŒÞVÁÞUÁEÐÖÖÁ^}æ)dÞ*{à^¦È	Н	FËJÁÇTÓÝÁQÚËHE€D FËJÁÇTÓÝÁQÚËF€€D	F
VOTÖÁ/OEÓŠÒÁOÞÖÖÝÁEËÄOEÔÖÁŐ¦[ˇ]Á/ðį ^Á/æà ^È	I	FËJ	F
OEWUÁTUÖÒÆEÄOEÖÖÁŐ;[ˇ]ÁÛæeĕ •Á&@e);*^åÁ æ&&[¦åā]*ÁgÁÛ^•¢^{Á⁄ā, ^Á⁄æà ^ÁQ;å^¢È	Í	€ % कि [ oÁ W + ^ F K कि वै @ Á OE q G K P [   बिंब व्ये Á OE q H K कि वै @ BP [   बिंब व्ये Á OE q	Þ[ ðÁW•^
ÙWÚÒÜXOÙUÜÁ⊳WTÁŒŒOSÔÖÁÕ¦[ˇ]ÁÛˇ]^¦çãa[¦Á æ•aã}È	Î	Ë	Ë
T ÒT Ó Ò ÜÁ ŒÙ Ù Ố ÞÁ Ë Œ Ô Ö Á Õ ¦ [ * ] Á Œ ^ } Ó ఈ • å } È	Ϊ	Ë	Ë

# OĐÔÖÁÕ:[ˇ]ÁOŒdãaˇ♂FÁQÚÕTÁŒFHDÁSÁ^^Á\$^œæ‡•Á;}Á;æ\*^ OŒÜÏÏ

ÚÕT ÁŒH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙWÓËÙWÚÁŒÙÙŒÓÞÁŒÁVŒªÁ}d^Áæ••ã}•ÁÙ*àËÙ*]^¦çã[¦Á§Á ŒÔÖÁŐ;[*]È	F	Ë	Ë
ÕÜUWÚÁØYÖÁÖÒÙVÁËËY @}ÁŒÔÖÄÕ;[`]Ácæĕ •Áæ ÁÕ;[`]Á Ø[; æ}åÂÛææ •ÊæţlÁ;ÁŒÔÖÁæţlÁ; ālÁs^Á;; æ}å^åÁ;Áœæ Ár}d^Á æ••ā}^åÁs^•œā;ææā;}È	G	Ë	Ë
ÞΦPVÁŪÒÜΧΦÒÁ <del>ÏÄÏĬ</del> VŒnÁ}d^Áa^aj^•ÁQ¸ÁqÁ^¦[ˇαÁΦÔÖÁ &æ lÁ,@}Á¹;[ˇ]Án ææð•Ánn áð @AŪææð•È	Н	€1ÁÜ^ ^æ=^ F1ÁŒ;}[ˇ}&^{^}c G1ÁØ[¦,æ}å	Ü^ ^æ^
ÞOŨPVÁÐYÖÁÖÒÙVÁŒÄY@}ÁÞã@ÁÛ^¦çãR^Ác]^ÁsaÁZ[¦¸æbåÆÄ æbj] ð\åÁså^•cðjææði}ÁsæbjÁs^Áæ••ð*}^åÈ	I	Ë	Ë

PGM 213	BTN	RANGE	DEFAULT
HOLIDAY SERVICE This entry defines how to reroute ACD call when group status is Holiday Status.	5	0: Release 1: Announcement. 2: Forward	Release
HOLIDAY FWD DEST When Holiday Service type is Forward, applied destination can be assigned.	6	-	-
OVERFLOW SERVICE This entry defines how to reroute ACD call when group status is Overflow Status.	7	0: Release 1: Announcement 2: Forward	Release
OVERFLOW FWD DEST When Overflow Service type is Forward, applied destination can be assigned.	8	-	-
MAX QUEUING COUNT This entry defines MAX queuing call count. If queuing ACD Call count is over the max q-count, ACD group state will be changed to Overflow Status.	9	00-99	10
QUEUING ANNC STEP This entry defines queuing announcement play service step. One ACD Group can have max 5 announcements for queuing ACD Call.	10	1-5	1
REPEAT COUNT This entry defines total queuing announcement repeat service count. If this entry is defines as One or More Times service, Queuing Announcement will be played from 1st to defined Step. And then from Repeat Position Queuing Announcement will be restarted to defined step until Repeat Count.	11	0:No Repeat 1:One Time 2:Three Times 3:Five Times 4:Ten Times 5:Twenty Times	No Repeat
REPEAT POSITION This entry defines Repeat Announcement Start Position.	12	1-5	1
FWD AFTER QUEUING This entry defines reroute usage after queuing time over.	13	0: Off 1: On	Off
Q-FWD DEST Reroute destination after queuing time over.	14	-	-

ÚÕT ÁŒH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
OĐÔÞVÁÞUËÐÞÙÁUÚVOUÞÁËÄV@Á}d^Ás^-ā,^•Á;[Ëæ;•¸^¦Á Cº^}oÁÞ[ËÐ;•¸^¦Ásæ•^Áæi[ˇơÁĐĐÖËSæi È FÁÞ[c¼•^ GÁO[¦¸æåkÁsæi Á¸ã Ás^Á;¦¸æå^åÁ;Ás^-ā,^åÁs^•Œ;ææã;} HÄÖÞÖKÁOE^}oÁ·cæe^Á¸ã Ás^Ás@æ;*^åÁæěč;{ææãæi `Át;ÁÖÞÖÁ •œæ^È IÄÖÞÖÁBÁO[¦¸æåkÁOE^^}oÁ·cæe^Á¸ã Ás^Ás@æ;*^åÁsoæ;*Aí;ÁÖÞÖÁ·cæe^ÉÄ æ;åÁŒÔÖÁsæi Á¸ã Ás^Á;¦¸æå^åÁt;Ás^-ā,^åÁs^•œ;ææã;}	FÍ	€ÁÞ[cÁ • ^ FKÁZ[¦, ælå GÁÖÞÖÁGæe^ HKÁÖÞÖÁBÁZ[¦, ælå	Þ[ ðÁ•^
$\begin{array}{c} OE\tilde{O}\tilde{O} \triangleright V \not A \triangleright U E DE \tilde{D} \dot{A} \tilde{O} \tilde{O} \tilde{D} V \not A E \tilde{E} V @ \} \not A OE ^ \} \not A \triangleright [E DE \bullet , ^   \not A_1] call \} \not A \& A O[   B DE \bullet , ^   \not A_1] call \} \not A \& A \& A \& A \& A \& A \& A \& A \& A \& A$	FÎ	Ë	Ë

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ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÙWÚÒÜXQÙUÜÁÚÙYÖÁÔPÒÔSÆËÉV@AÁ}d^ÆA^-JA^•Á &@&\Á@Á`]^¦çã[¦Á;æ••,[¦åÁ;@}Á`]^¦çã[¦Á &@)*^Át¦[`]Ácæč•È	F	€KU~ FKU}	<b>€KU~</b>
OEÕÒÞVËDEÕÒÞVÁÔOEŠŠÁËÄV@áÁr}d^Áår^æj^•Áæt^}oÁtÁ æt^}oÁsæt Á^•dæsæt}È	G	€KC∰[] FKÖã^&ó%Sæ∯ GKØ[¦,æ}å/%Sæ∯	<b>€C</b> \$\(\),
Y UÜSÁT UÖÒÁ/QT ÒÜÁËËV@#Á*} d^Áå^-4j^•Á; læjÁ]Á að, ^lÁ; ÁQE^} oÁY [¦\ÁÚææ^È	Н	€€FËG €	΀
CEWU BY UÜ SÁT U Ö ÒÁU Ú V QU Þ Á 田 花 ( 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本 本		€Ôæ  FrÔæ ÉѪ;* GrÔæ ÁJŐ HrÔæ ÉѪ;*ÉÑJŐ	€Ôæ
OÞÞÞUWÞÔÒT ÒÞVÁWÙÒÁŒÁV@áÁYd^Áá^æj^•Á•æť^Á [√ÁOE}][ˇ}&^{ ^}ơý;@}Áæt^}ơÁæj•¸^¦Ááy&[{ãj*ÁÁ OÆÔÖÁÔæjÈ	ĺ	€KU~ FKU}	€\

PGM 214	BTN	RANGE	DEFAULT
GROUP Q-CNT DISPLAY This entry defines display of Queuing count of ACD call.	6	0:Off 1:On	0:Off
Q-CNT INTERVAL This entry defines display interval seconds of Queuing count of ACD call.	7	0:Real Time 1:10sec 2:20sec 3:30sec 4:40sec 5:50sec 6:60sec	0:Real Time
LOGIN PASSWD CHECK This entry defines check the password when agent log-in.	8	0:Off 1:On	0:Off
LOGIN AGENT STATE This entry defines usage of default Agent State option when agent log-in.	9	0:Ready state 1:DND state 2:Work state	0:Ready state
LOGIN AUTO ANSWER This entry defines usage of Agent Auto Answer option when agent log-in.	10	0:Off 1:On	0:Off
LOGIN AUTO WORK This entry defines usage of Agent Auto Work option when agent log-in.	11	0:Off 1:On	0:Off
LOGIN HANDSET This entry defines usage of Agent Headset option when agent log-in.	12	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode	1:Handset Mode
LOGOUT HANDSET This entry defines usage of Agent Headset option when agent log-out	13	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode 4:Logon Mode	1:Handset Mode
LOGOUT RESTRICTION This entry defines restriction of Logout State Agent.	14	0:Not use 1:CO outgoing 2:All call	0:Not use
CO ANSWER TIME This entry defines when the ACK message is sent to caller party.	15	0:Queued to group 1:Agent Answer	0:Queued to group
INFO DATA PRINT This entry defines usage of ACD Call Traffic Information data Print or Not. Information Traffic data will be printed at Information-Print Port.	16	0:Off 1:On	0:Off

April 2012

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ÚÕT ÁGFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
Φ ØUÁÚÜΦ VÁΦ VÒÜ XCEŠÁĒŽV @āÁN } d^Áån -∄, ^ •Á, ¦ã, αÁ ã, αN¦çæpÁn ^&[}å •Á, -ÁQ, -[¦{æaā,}ÁV¦æ-æð√åæææÈ	FΪ	€€FËĞÍ€	€€FÁÇF€Á\^&D
Φ ØU ÁÔŠÜ ÁŒV ÒÜ ÁÜÜ V ÁŒÁÇÁGÁ ÁŞæY ^ ÁÁ ÁU ÞÊÁSE O' ¦ Á ] ¦ ậ ơ 惊 見 ॄ i { æ a i } Ái æ - a SÁi ææ A i l ' ç a i * • Ái ææ Á j a l Ái ^ Á å ^   ^ o' à È	FÌ	€KU~ FKU}	€KU~-

# **ACD Group Supervisor Functions**

&[}c^|•æaā[}Á,ão@\$&æ||^|É\$OE;åÁæ;•[ÁÛˇ]^|çã=[|Áæ;åÁÛˇàÉÛˇ]^\çã=[|Á&æ;Á&@^&\ÁOEÔÖÁ\*|[ˇ]Á&æ;HÁ

FÁÄÜ`]^¦çã[¦ÁÕ¦[`]ÁTæ)æ\*^{^}dÈ

 $FD\hat{U}$ ]  $^{1}$  $\hat{g}$ a [  $^{1}$ ASee)  $^{1}$ ASEE)  $^{$ 

 $aeD^{\tilde{O}}[[\tilde{A}]] = A^{\tilde{A}}(\tilde{A}) =$ 

à DÁÕ¦[ˇ] ÁÞ ðã @ÁÛcæeĕ • KÁÛˇ] ^¦çãa[¦Á&æ) Á&@æ) \* ^Á¦[{ Á;cæ\'Á cæeĕ • Á[ÁÕ¦[ˇ] ÁÞ ðã @Á Ùcæeĕ • Á; ãc@ÁCĐÔÖÂÛˇ] ^¦çãa[¦ÁÕ¦[ˇ] ÁÞ ðã @ÁT [å^¤Á^æeĕ ¦^Á&[å^È

8DÁÖ¦[ˇ]ÁP[|ãàæÂÛœæĕ•KÂÛˇ]^\¦çãa[¦Á&æà,Á&@æà,\*^Á;[{ Á; cœð;lÁ; cææč•Át[hŐ;[ˇ]Á P[|ãàæÂÛœæĕ•Á; ão@ÁOĐÔÖÁÛˇ]^\çãa[¦ÁÕ;[ˇ]ÁP[|ãàæÂT[å^¤Á^ææči^Á&[å^È CĐÁÙˇ]^¦çãa[¦Á&æà,Áa^-æ³,^ÁQ2, Át[Áœæà,å|^Áæà,ÁOĐÔÖÁ&æ|Á; @}hŐ;[ˇ]ÁÛœæč•ÁæiÁ;[ơÁÞ[¦{æþÈ Ùˇ]^¦çãa[¦Á&æà,Áæ&&^••ÁOĐÔÖÁÖ;[ˇ]ÁT\*{ cÁ,^àÁ,æ²^Ás,ÁUœæā;}ÁÚ;[\*¦æ;Á;ÁTÓÝÁQÚÁ

Y^aBÖfa{āÈ

æÐÁÚ`]^¦çãr[¦Á&æ)Áær•ãt}ÁŐ¦[`]ÁØ[¦¸æ¦åÁÖ^•α∄,ææã[}È

à DÁÙ ]^|çãr[|Ásæ) Á( æ\^Á; |^ÁQQ¸ Á( Á@æ) å|^ÁOEÔÖÁsæ||Á, @\}Á; |[`]Á(ææ; •Áse ÁÞ ã @Á Ùææ; •ÉÁOE; åÁÙ ]^|çãr[|Ásæ) Áæ••ã;}ÁÞ ã @ÁQ[|; æ\åÄÖ^•æ]ææā;}È

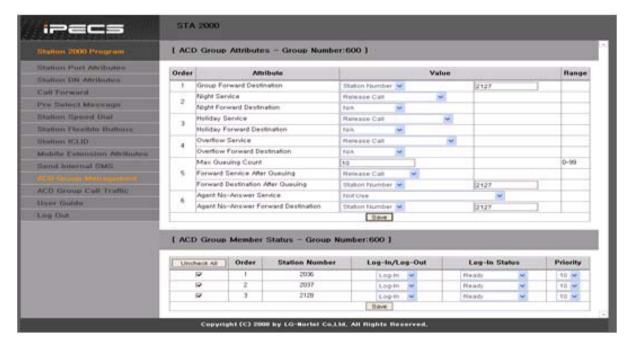
&DÁU˙]^\çã[|Á&æ)Á(æà^Ái`|^ÁQQ, Áq Áœè)å|^ÁOĐÔÖÁ&æ|Á, @}Á;[ĭ]Áncæe\*•ÆafA[|ãaæÂ Ùcæe\*•ÆAG;åÁÛ`]^\çã;[¦Á&æ)Áæ••ã}Ár[|ãaæÂAQ[; æåÅÖ^•cā;æaf}}

- d) Supervisor can change max Queuing Count and also can change Queuing Service Announcement Step. Supervisor also can make rule how to handle ACD call when all of gueuing announcement service is over. And After Queuing Forward Destination can be changed.
- 2. Supervisor and Sub-Supervisor Answer the Queued ACD call.
  - Supervisor and Sub-Supervisor can find gueued ACD call count on the LCD. And if {ACD Supervisor Queued Call Answer} feature code is saved at flex button, this flex button's color will be changed to steady-on.
  - 1) First Queued ACD call Answer by Supervisor
    - a) When there are queued ACD call, if Supervisor or Sub-Supervisor press {ACD Supervisor Queued Call Answer} feature codes, Total gueued ACD call count and sub-menu will be displayed on LCD.
    - b) If supervisor choose Check First Queued Call menu, CLI of first Queued call will be display. At that time, if supervisor choose Answer option, queued ACD call will route to Supervisor.
  - First Queued ACD call Reroute
    - a) When there are queued ACD call, if Supervisor or Sub-Supervisor press {ACD Supervisor Queued Call Answer} feature codes, Total queued ACD call count and sub-menu will be displayed on LCD.
    - b) If supervisor choose Check First Queued Call menu, CLI of first Queued call will be display. At that time, if supervisor choose Reroute option, current registered Forward Destination after Queuing Announcement will be displayed.
    - c) If press [HOLD] or "#" button, queued ACD call will be rerouted to registered destination.

OR

- d) If dial other Tel-Number and then press [HOLD] or "#" button, queued ACD call will be rerouted to new dialed Tel-Number.
- 3. Supervisor and Sub-Supervisor Monitoring Agent.
  - Supervisor and Sub-Supervisor can check and monitor agent's status. And also Supervisor and Sub-Supervisor can overhear agent's conversation.
  - 1) Agent Status Monitor by Supervisor on Digital Phone
    - a) Supervisor can check agent's state with {ACD Supervisor Agent State Check} feature code. If supervisor dial or press flex button registered as {ACD Supervisor Agent State Check} feature code, first agent state will be displayed on LCD.

- à DÁCE^} of Si[\* ED) ÁÐÁS[\* EU` ÓÁS -{ | { eætā} } ÁS ÁS á ÍB ÁS á) á ÁS ÁS † of ÁS ÁS † ED) Á cæc^ ÉÁ
  U^æså^ Á; |ÁÖÞÖÁ; |ÁY [ | \ Á ` à E cæc^ ÁS † [ ÁS ā] |æê^ å ÉÁO EÁS ©æc ÁS ^ ÉÁU`] ^ |çã [ |ÁS æ) Á
  &@ [ •^Á ` à Ē] cā[ } ÁÇZ[ | & ^ å ÉŠ [ \* ÁQ) ÐU` cÉÁZ[ | & ^ å ÁÜ ^ æså^ ÉÁZ[ | & ^ å ÁÖÞÖÉS à) å Á
  Ø[ | & ^ å ÁY [ | \ DÈ
- &DÁP^¢ơÁsť^}ơ©Án cæcč•Áṣī-[¦{ æcaī[}Ásæ)Ás^Ás@e)\*^åÁ¸@\}ÁÛˇ]^¦çã[¦Á;¦^••Á X[|ˇ{^ËW]ĒĎ[,}Ásˇơ[}Á\]ĒĎ[,}ÁsĀAÞæçã æcaī[}ÁS^^È
- CD OP^} cÁUcæe\* ÁT [} ã[ ¼] ÁOĐÔÖÁÕ:[\*] ÁT æ) æ\* ^{ ^} cÁ, ^àÁ, æ\* ^Áş, ÁUcæeā[} ÁÚ:[\*!æ; Á a, ÁT ÓÝÁŒÚÁY ^àËÜā{ ā, ÈÁŒ¸ å Áş, Ác@à Á, ^àË æ\* ^ÂÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àËÛ\*] ^!çã[ ¼, ¼Û\* àEÛ\*] ^!çã[ ¼, ¼Û\*] ^!çã[ ¼, ¼Û\*] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^!çã[ ¼, ¼] ^



- | È Ùˇ]^¦çã[¦Áæ) åÁÛˇàËÛˇ]^¦çã[¦ÁŒÔÖÁÕ¦[ˇ]ÁÔæ|Á/¦æ-3&ÁÔ@&\ÉÁUˇ]^¦çã[¦Áæ) åÁ | ÙˇàËÛˇ]^¦çã[¦Áæ)Á&@&\ÁŒÔÖÁÕ¦[ˇ]ÁÔæ|Á;¦ÁŒ^}ơÁÔæ|Á/¦æ-3&Á,ãæÁŒÓÖÁÛˇ]^¦çã[¦Á | V¦æ-3&ÁÔ@&\¤Á^æč¦^Á&[å^È

#### OPERATIONS

### Group Forward / Night / Holiday Status Change by Supervisor

- 1. Dial (ACD Supervisor Group Forward / Night / Holiday Status) feature code. OR
- Press flex button registered as {ACD Supervisor Group Forward / Night / Holiday Status} feature code.
- 3. Group Status will be changed.

### ACD Group Management or ACD Agent State Check With Web-Admin

- Connect Web-Admin Page of MBX IP System
- Choose Station Program Menu.
- 3. Enter Supervisor Number and Password.
- ACD Group Management Menu will be displayed on the Left Menu List.
- 5. Supervisor can change each Group Status rules and Destination.
- Supervisor and Sub-Supervisor can check Agent Log-In/Out, Ready, DND, Work State. And also Agent's Priority can be displayed.
- Supervisor and Sub-Supervisor can change Agent's State and Priority.

### ACD Group Call or Agent Traffic Check with Web-Admin

- Connect Web-Admin Page of MBX IP System
- Choose Station Program Menu.
- Enter Supervisor Number and Password.
- 4. ACD Group Traffic Menu will be displayed on the Left Menu List.
- Supervisor and Sub-Supervisor can check Group Call Traffic and Agent Traffic Data.
- Supervisor and Sub-Supervisor can Clear Group Call Traffic and Agent Traffic Data.

### First Queued Call Answer or Reroute by Supervisor

- 1. If there are gueued calls, {ACD Supervisor Queued Call Answer} feature code is saved at flex button.
- Flex button's color will be changed to steady-on.
- 3. Dial (ACD Supervisor Queued Call Answer) feature code. OR
- Press flex button registered as {ACD S Supervisor Queued Call Answer} feature code.
- 5. Choose sub-menu then First Queued Call CLI will be display
- 6. Press "1" then gueued call will be routed to Supervisor. OR

ÏÈ Ú¦^••ÁÄGÄÁA) åÁÖãæJÁ/^|ËÞ`{à^¦È

ÌÈ Ú¦^••ÁÑÀÄÁ¦ÁÃPUŠÖÁÁS\*Œ[}ÉÁS@}Á\*^\*^\*^åÁSæd|Á,ālÁS^Á[\*œ^åÁA;ÁÖæde/åÁx^|ËÞ\*{à^¦È

### Silent Monitor by Supervisor

FÈ ÖãæþÁOĐÔÖÂÙ ] ^ | çã [ | ÁÙã^ \} oÁT [ } ã[ | pÁ\ æc | ^ÁS[ å ^ È OR

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HÈ Öãæ Áå^•ã^åÁOĒ^} cÁ ~{ à^¦È

IÈ OE^}o⊛Á&[}ç^¦∙æaā[}Á¸ā|Áà^Áq;c^¦@-æaåÈ

### **CONDITIONS**

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  -/^¢Áà`œ[}ĒÄ,@^}Á\*;["]Ánææ.\*•Æa,Á[{ ^ÁÛææ.\*•Ê£x@á,Á/^¢Áà`œ[}@Á&[|[¦Á,ā]/Áa^Á&@æ)\*^åÁ
  -d[Áne^æå.^Ё]ÈÄ
- Ö` | āj \* Át | [ ` ] Án cæeč Ánā ÁZ[ | ; æb å ÁZÁP [ | ãñ æð ÁZÁÞ å @ ÁÜ cæeč ÉÁNÁÜ ` ] ^ | çãn [ | Áñ ãæ þ• Án | Án | ^ • Á , OEÔÖÁÜ ` ] ^ | çãn [ | ÁŐ | [ ` ] ÁZ[ | ; æb å ÁZÁP [ | ãñ æð ÁZÁÞ å @ ÁT [ å ^ ÞÁ ææč | ^ ÁS[ å ^ Áñ če[ } ÉÁNÆP } Á \* | [ ` ] Án cæeč Á, āj Áñ ^ ÁS@æ) \* ^ å Án Án [ | { æb ÁÜ cæeč É

### **PROGRAMMING**

Numbering Plan

Ø^æc`¦^Áp~{ à^¦ã \* ÁÚ|æ}ÁCÚÕTÁFFHDÁSÁ^^Á&^ææl•Á;}Á;æ\*^ OŒÏ

Station Group

OĐÔÖÁÕ¦[ˇ]ÁOE•đ}{ ^}ơÁQÚÕTÁOFODÁSÁ^^^Á&^œ∰•Á;}Á;æ⁴^ OĦÎÎ

ÚÕT ÆFG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÞŒTÒÁŒÄŒÔÖÁÕ¦[ˇ]ÁÞæ{^È	F	ÙcæloÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦Á BÁÒ}åÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦	Ë
ÙÒÜXÓDÒÁT UÖÒÆÄÄOEÖÖÄÕ¦[ˇ]ÁÛææĕ•È	G	⊕ Κάρ[¦{æ  F Κάῦ¦[ˇ] Á 20[¦,æ å Å G K ÂU ç^\- -], Á H Káp ∄ @c I Κάρ[ ῶμ జ జ ̂ Í Κάρ[ σ ÂÛ^¦ç ఔ Λ	Þ[¦{ æ
Á/ÒÞŒÞVÁÞUÁŒÁŒÔÖÁ^}æ)oÁÞ~{ à^¦È	Н	FËJÁÇT ÓÝÁQÚËHE€D FËJÁÇT ÓÝÁQÚËF€€D	F
VOT ÒÁ/OEÓŠÒÁDÞÖÒÝÁEEÄOEÔÖÁÕ;[~]Á/ā; ^Á/æà ^È	I	FÜ	F

PGM 212	BTN	RANGE	DEFAULT
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

## ACD Group Attribute1 (PGM 213) ... see details on page A-77

PGM 213	BTN	RANGE	DEFAULT
SUB-SUP ASSIGN This entry assigns Sub-Supervisor in ACD Group.	1	-	-
GROUP FWD DEST When ACD Group status is Group Forward Status, all of ACD call will be forwarded to this entry assigned destination.	2	-	-
NIGHT SERVICE This entry defines how to reroute ACD call when group status is Night Status.	3	0: Release 1: Announcement 2: Forward	Release
NIGHT FWD DEST When Night Service type is Forward, applied destination can be assigned.	4	-	-
HOLIDAY SERVICE This entry defines how to reroute ACD call when group status is Holiday Status.	5	0: Release 1: Announcement. 2: Forward	Release
HOLIDAY FWD DEST When Holiday Service type is Forward, applied destination can be assigned.	6	-	-
OVERFLOW SERVICE This entry defines how to reroute ACD call when group status is Overflow Status.	7	0: Release 1: Announcement 2: Forward	Release
OVERFLOW FWD DEST When Overflow Service type is Forward, applied destination can be assigned.	8	-	-
MAX QUEUING COUNT This entry defines MAX queuing call count. If queuing ACD Call count is over the max q-count, ACD group state will be changed to Overflow Status.	9	00-99	10

ÚÕT ÁGFH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÛWÒWOÞŌÁOÐÞÞÔÁÙVÒÚÁËËV@•Á°}d^Ás^-ā,^•Á°^ā,*Á æ)}[ˇ}&^{ ^}of, æ)Á^!çæX^Á,do]ÈÁU}^ÁOĐÔÖÁÖ;[ˇ]Ásæ)Á@æç^Á { æ¢ÁÁæ}][ˇ}&^{ ^}of, æ)Á†!Á°,°Ä;ÁÖÐÔÁÔæ)È	F€	FΕ̈́	F
ÜÒÚÒCE/ÁÔUWÞVÁEEÄV@ā/Ár}d^Áa^-ā/^•Át[œdÁ*^*ā]*Á æ)}[*}&^{ ^}Ár]^æÁ^!çæð/Æi[*}dæðAæðiÁr}d^ÆiÁr^ā]^•Áæ•Á U}^Á;!ÁT[!^Á/ā]^•Ár^!çæð/Æû*^*ā]*ÁŒ;}[*}&^{ ^}Áj ālÁs^Á ] æî^åÁ![{Ær•oÁt[Æs^-ā]^åÁÛơ]EÁŒ;åÁæ@}Á![{ÆU^]^ææÁ Ŭ[•æāa]}ÁÛ*^*ā]*ÁŒ;}[*}&^{ ^} oÁ;ālÁs^Á^•œdoråÁt[Æs^-ā]^åÁ •ơ]Á}cāþÁÜ^]^ææhÔ[*}dÈ		€KP[ÁÜ^]^æc FKU}^ÁVā[^ GKV@^^ÁVā[^• HKØāç^ÁVā[^• IKV^}ÁVā[^•	Þ[ÁÜ^]^æ
ÜÒÚÒŒVÁÚUÙŒVŒVÞÆŒÁVŒ&ÁN}d^Æ&^-\$j^^•ÁÜ^]^ææÁ Œ;}[~}&^{ ^}æÁÜæ÷dÁÜ[•ãæ[;È	FG	FΕ̈́	F
ØY ÖÁŒÐVÒÜÁÛWÒWŒÞŐÆŒÁV@¥ÁY} d^Æk^-æ}^•Á^¦[ˇơÁ•æ⁴^Á ææ^¦Áˇ^ˇāj*Áæį^Á¦ç^¦È	FH	€KÁU~ FKÁU}	U~
Û ÊZY Ö ÁÖ ÒÙ VÁËÄÜ ^ ¦ [ ˇ ơ Á Á ^ • cā) æ cā [ } Á se ơ \ Á ˇ ^ ˇ ā] * Á cā ( ^ Á; ç ^ \ È	FI	Ë	Ë
CEŐÒÞVÁÞUËÐÞÙÁUÚVQJÞÁŒÁYðæ ÁYd^Ás^-尋^•Á;[Ёæ)•¸^¦Á CE^}ơÁÞ[ËŒ;•¸^¦Ásæ•^Áæi[ˇơÁŪĐÖËæ# È FÁÞ[ơÁ•^ GÁO[¦, æå kásæ Á¸ā Ás^Á[¦, æå^å Á;Ás^-ā,^å Ás^•æ]ææā;} HÄÖÞÖKÆP^}ơÁ cæe^Á¸ā Ás^Ás@æ)*^å Áæ č[{ææææi] Á;ÁÖÞÖÁ •ææ^È I ÄÖÞÖÆBÆO[¦, æå ká©E^} ơÁ cæe^Á¸ā Ás^Ás@æ)*^Á;ÁÖÞÖÁ cæe^ÉA æ)å ÁŒÔÖÁææ Á¸ā Ás^Á;¦, æå å åÁ;Ás-æj, å Ásó•©æ;æā;}	FÍ	€ΚΑΦ-[αΚ΄•^ FΚΑΣ[¦, æså GΚΑΘΦΟΑ΄ ασεν ΗΚΑΘΦΟΑ΄ ΑΣΑΣ[¦, æså	Þ[ ðÁ•^
OEŐÒÞVÁÞUÉDEÞÙÁÖÒÙVÁŒÉY @ }ÁOE^ }óÁÞ[ÉDE, • ¸^¦Á[]cā[}ÁsáÁ Ø[¦¸æ¦åÉÁsá]] ā^åÁs^•cā]æaā[}Ásæ)Ás^Ásæ••ā*}^åÈ	FÎ	Ë	Ë

# QĐÔ ÖÁÕ : [ \* ] ÁQĒCĪ ÂB \* C^GÁQŪÕ T ÁQĒT DÁS Á ^^ ÁB ^ QÆĀP Á; } Á; æ\* ^ QÆÏ J

ÚÕT ÆFI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙWÚÒÜXÒUÜÁUÙYÖÁÔPÒÔSÁŒÁV@ĕÁN}d^Ás^Æj^•Á &@&\Á@Á*]^¦çæ[¦Ájæ••,[¦åÁj@}Á*]^¦çæ[¦Á &@æj*^Á*¦[*]Árææ*•È	F	€KU~ FKU}	<b>€KU~</b> -
OĐÕÒÞVËĐĐÕÒÞVÂÔOĐŠŠÁËËĀV@āÁn}d^Áan^-3j^•Áæt^}ơÁt Á æt^}ơÁsænjÁn•dæsaāt}È	G	€KC∰[] FKÖã^&ó%&æ   GKØ[¦]æ}åÁ%æ	<b>€C</b> ₩[,
Y UÜSÁT UÖÒÁ/OT ÒÜÁËËÄ/@āÁn} d^Ás^-āj^•Á¸ ¦æāÁ] Á cã, ^¦Áį-ÁOE^} cÁY [¦\ÁÙcæe^È	Н	€€FËG €	΀

PGM 214	BTN	RANGE	DEFAULT
AUTO-WORK MODE OPTION This entry defines when change the agent work state. (It is applied, when only agent has auto-work option).  1 CALL: after conversation, agent state will be changed to work state.  2 CALL, RING: after conversation or after ringing, agent state will be changed to work state.  3 CALL, OG: after conversation or after make outgoing call, agent state will be changed to work state.  4 CALL, RING, OG: after conversation or after ringing or after make outgoing call, agent state will be changed to work state.	4	0:Call 1:Call, Ring 2:Call OG 3:Call, Ring. OG	0:Call
ANNOUNCEMENT USE This entry defines usage of Announcement when agent answer incoming ACD Call.	5	0:Off 1:On	0:Off
GROUP Q-CNT DISPLAY This entry defines display of Queuing count of ACD call.	6	0:Off 1:On	0:Off
Q-CNT INTERVAL This entry defines display interval seconds of Queuing count of ACD call.	7	0:Real Time 1:10sec 2:20sec 3:30sec 4:40sec 5:50sec 6:60sec	0:Real Time
LOGIN PASSWD CHECK This entry defines check the password when agent log-in.	8	0:Off 1:On	0:Off
LOGIN AGENT STATE This entry defines usage of default Agent State option when agent log-in.	9	0:Ready state 1:DND state 2:Work state	0:Ready state
LOGIN AUTO ANSWER This entry defines usage of Agent Auto Answer option when agent log-in.	10	0:Off 1:On	0:Off
LOGIN AUTO WORK This entry defines usage of Agent Auto Work option when agent log-in.	11	0:Off 1:On	0:Off

ÚÕT ÁGFI	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ŠUÕODAPODÖÙÒVAŒÄV@AA}^•Á•æ*^Á;-Á OE*^}oAP^æå•^oA;]qā;}Á;@}Aæ*^}oA;*Ë;È	FG	⊕1?^æå•^o4([å^ F1??æ)å•^o4([å^ G1Òæ&1⊟ 38√4([å^ H1Ó)*^4([c@4([å^Á	FKPæ)å•^oÁT[å^
ŠUÕUWÁPŒPÖÙÒVÁËÄVፙÁ} d^Ás^尋^•Á•æ*^Á¸Á Œ^}ơŔ^æå•^ơÁ]ơą}Á¸@}Áæ*^}ớ¶*Ё°c	FH	€12°^æå•^o⁄i[å^ F14°æ}å•^o∕i[å^ G+Òæ&i∃ æ3√i[å^ H+Ó `^d[c@i[å^ I+KŠ[*[}ÁT[å^	FKPæ)å•^o⁄4T[å^
ŠUÕUWÁÜÒÙVÜÔVQUÞÁŒÁV@AÁ}d^Áa^-4}^•Á ¦^•dæaa}}Á;-ÆS[*[*oÅÜææ°ÁOE^}dÈ	FI	€14>[cÁ•^ FKÔUÁ;*č*[āj* GKO∰Á&æ4]	<b>⊕</b> \$[ óK•^
ÔUÁDÐÙY ÒÜÁ/QT ÒÆŒÁ @ÁA} d^Ás^-4}^-Á; @}Ás@Á OBÔSÁ;^••æ*^ÁsAA>}oÁ;Ææ# ^!Ájæ#¢È	FÍ	€KÛ*^*^åÁ{[Á*¦[*] FKŒ*^}œÁŒ;•;^¦	<b>€</b> rÛ `^ `^åÁ[ Æ ¦[ `]
QĐ/QU KÔ QĐ/QH         QĐ/QH         Á         -ā         -ā         -ā         -Á         -Á	FÎ	€KU~ FKU}	€€0~-
Φ, ØUÁÚÜΦ, VÁΦ, VÒÜXCĒŠÁĒĒV @ ĀÅ ÅÅ ÅÅ ÅÅ ^-Ā, ^•Á, ¦Ā, Å Ā, ৫\¦çæ)Á, ^&[}å•Á, -ÁQ, ქ¦{æā, }ÁV¦æ-æVåææÈ	FΪ	€€FËĞÍ€	€€FÁÇF€Á^&D
Q QU ÂŎŠÜÁQEVÕÜÁJÜVÆEÄQÁQ® ÁŞæ; ^Æ ÁJÞÉÆæc\Á ]¦ājơÁQ {¦{æqā}Ádæ-38A8æææ£Žj¦^çā; •Æsææá,ājÆs^Á å^ ^c^åÈ	FÌ	€KU~ FKU}	€U~

# **ACD Group Call Traffic**

 OĐÔÓÁÕ¦[\*] ÁÔæļÁ¹;ææðÁæþ;åÁOË^} ơÁÔæļÁ¹;ææðÁæþ.Áæð({ ææðæþ] Ánæç^åÆj,Áæ@ÁÛ^•c^{ È

 Ù\*]^¦çã[¦Áæþ;åÁÛ\*àËÛ\*]^¦çã[¦Áææþ,Áææ,Ø&),Ác@•^Á;jå•Á;Æð√lææðÁsæææf,}Áæ@ðÍÓðããæþËÚ@}^ÈÁ

 OŒ,åÁæþ•[ÂÛ\*]^¦çã[¦Áæþ;åÁÛ\*àËÛ\*]^¦çã[¦Áææþ,Áæ&&^•ÁŌĐÔÁÕ¦[\*]ÆÐÆÁ\$;Aæ-ÆÁ¸AàÁ;æ\*^Á¸Á

 Úææðáþ,ÁÚ;[\*¦ææ,Áý,Ár^à ČDæð(å),Áæþ;åÁæþ),Áæ@&),Áæ@&),Áæþ;åÁæþ,AæÁ/;æææÆ

FD OĐÔÖÁÕ¦[ˇ]ÁÔæHÁ½æ-æ& OĐÁ;ÁDĐÔÖÁ&æHÁåæææÁ;ÃHÁà^Áaæç^åÁæ;åÁV;æ-æXÁÖæææÁ[¦{ææÁæiÁŏ•oÁã^Áà^||[¸Áã•oÈ

- a) Total Calls Count
- b) Unanswered Call Coun
- c) Average Call Time 00:00 (minute: second)
- d) Average Ring Time 00:00 (minute: second)
- e) Busy Count and Time 00:00:00 (hour: minute: second)
- f) Number of calls count in Current Queue
- g) Average Queued Time 00:00 (minute: second) and Longest Queued Time 00:00 (minute: second)
  - Supervisor can check all of data with Volume Up/Down Key or Up / Down in Navigation Key.
  - During checking the Group Call Traffic information, Supervisor can clear all
    of Group Call Traffic with [SPEED] button. If Supervisor uses 3-soft keyset,
    Delete menu will be displayed at 3-soft menu.
  - Average Call time means average conversation time of all of agent ACD call.
  - Busy count means how many times all of agents are busy. And Busy time means total accrued Times of Agent's busy state.
  - Information about Queued data will be always computed when there are queued ACD calls in Queue
- 2) Agent Call Traffic

Agent's ACD call data will be saved and Traffic data format is just like bellow lists.

- a) Total Calls Count
- b) Unanswered Call Count
- c) Average Call Time 00:00 (minute: second)
- d) Average Ring Time 00:00 (minute: second)
- e) Last Log-In Time 00:00:00 (hour: minute: second)
  - When Supervisor enter Agent Call Traffic feature, first agent data will be displayed. And Supervisor can check all of agent data with Volume-Up/Down button or Up/Down in Navigation Key.
  - During checking the Group Call Traffic information, Supervisor can clear all
    of Group Call Traffic with [SPEED] button. If Supervisor uses 3-soft keyset,
    Delete menu will be displayed at 3-soft menu.
  - Average Call time means average conversation time.
  - In case of Last Log-In time, if check at ACD Group Call Traffic web page in Station Program of Web-Admin, Log-In date also can be checked.
- 2. ACD Group Call Traffic web page in Station Program



 $\begin{array}{ll} \textbf{HE} & \text{Vi} \text{ as-$8$/$å} \text{ assa$/$U$|$$ o'${i} $A$, $4$|$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$ as${i} $A$|$ i'{i}$$ 

### **Periodic Print ACD Group Call Traffic Format**

d F M G M H M I M Í M Î M Ï M Ì M J M € & |~

Field(s)	DESCRIPTION
d <b>Áçã</b> dD	T^æ)•Ánædó4,-ÁQEÔÖÁnææãnæ36-Áæ)å/ÁæiÁæd,æ6•Á4[8ææ°åÁææÁðd•óÁ&[ ˇ{}
MÁǰĭæþD	Ö^ a[ac^ Áa^c, ^^} Án aa&@Á(^a); a*~  Áaaaaa
F	ΟξÔÖ/Ю[[*] Á,*{ à^-
G	V[ ca+/48ca+ /48[ * } c^+
Н	W; æ; •; ^¦^å/\$æ; Á\${[ˇ} ♂¦
I	C‡[Áaˇ•^Á&[ˇ} ♂¦
ĺ	Clēç^¦æt^Áāj*āj*Áxāj ^Áqō¢ BÉÁJÎ MFÁ;ājÁnÎÁr^&D

6	Average call service time (ex., 25=0 min 25 sec)
7	Total busy time (ex., 64=1 min 04 sec)
8	Number of current queued calls
9	Longest queued time
0	Average queued time
If	Line Feed (0x0A)
cr	Carriage Return (0x0D)

Supervisor or Sub-Supervisor can print Group Call Traffic data at Information-Print port manually.

- 1. Press (ACD Supervisor Traffic Check) feature code.
- 2. Choose Group Traffic data.
- 3. Press [Hold/Save] button for printing data to Information-Print Port.

Supervisor or Sub-Supervisor can print Agent Call Traffic data at Information-Print port.

- 1. Press (ACD Supervisor Traffic Check) feature code.
- 2. Choose Agent Traffic data.
- 3. Find desired Agent number with "\*" or "#" button, Left/Right in Navigation Key
- Press [Hold/Save] button for printing data to Information-Print Port.

### Agent Call Traffic Format

Field(s)	Description
~ (tilt)	Means start of ACD statistics and is always located at first column
= (equal)	Delimiter between each meaningful data
1	Each Agent number
2	Total call counter
3	Unanswered call counter
4	Average ringing time (ex., 96=1 min 36 sec)
5	Average service time (ex., 96=1 min 36 sec)
If	Line Feed (0x0A)
cr	Carriage Return (0x0D)

### **CONDITIONS**

 $EA = Q_{-\frac{1}{4}}$   $aea_{1}$   $AU_{-\frac{3}{4}}$   $AU_{-\frac{3}{4}}$   $AU_{-\frac{1}{4}}$   $AU_{-\frac$ 

### **PROGRAMMING**

Numbering Plan

OĐÔÖÁÕ¦[ˇ]ÁŒ•ã}{ ^}ơÁQÚÕTÁŒFŒDÁSÁ^^Á¾^œã•Á;}Á;æ⁴^ OĦÎÎ

ÚÕT ÁÐFG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜUWÚÁÞŒ ÒÆŒŒÔÖÁÕ¦[ˇ]ÁÞæ;^È	F	ÙcæloÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦Á BÁÒ}åÁOEÔÖÁÕ¦[ˇ]Ánpˇ{à^¦	Ë
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Á/ÒÞŒÞVÁÞUÁŒÄŒÔÖÁ^}æ);œÁp~{à^;È	Н	FËJÁÇTÓÝÁQÚËHE€D FËJÁÇTÓÝÁQÚËHE€D	F
VOT ÒÁ OĐÓ ŠÒÁ OÞÖ ÒÓ Ý ÁËË ĐÔ ÔÁÔ ¦[ˇ]Á Æ ^ÁÆ ÞÀ	I	FËJ	F
OEWUÁTUÖÒÆEÄOEÖÖÁÕ¦[ˇ]ÁÛæeč•Á&@eò;*^åÁ æ&&[¦åāj*ÁqíÁÛ^•¢^{Á/ā;^Á/æà ^ÁQìå^¢È	ĺ	€γάτρ [σάΛΛ•^ Fγάτρ ౙ @νάΛΟΕ α[ Gγάτρ [ āāæ άΛΟΕ α[ Hγάτρ ౙ @αΕτρ [ āāæ άΛΟΕ α[	Þ[ ðÁW•^
ÙWÚÒÜXOÙUÜÁ⊳WTÁEEÄOEÔÖÁÕ¦[ˇ]ÁÛˇ]^¦çãa[¦Á æ••ã}È	Î	Ë	Ë
T ÒT ÓÒÜÁŒÙÙÕÞÁŒÁŒÔÖÁÕ;[ ` ] ÁŒ^} Óæ•ã} È	Ϊ	Ë	Ë

### ACD Group Attribute1 (PGM 213) ... see details on page A-77

PGM 213	BTN	RANGE	DEFAULT
SUB-SUP ASSIGN This entry assigns Sub-Supervisor in ACD Group.	1	-	-
GROUP FWD DEST When ACD Group status is Group Forward Status, all of ACD call will be forwarded to this entry assigned destination.	2	-	-
NIGHT SERVICE This entry defines how to reroute ACD call when group status is Night Status.	3	0: Release 1: Announcement 2: Forward	Release
NIGHT FWD DEST When Night Service type is Forward, applied destination can be assigned.	4	-	-
HOLIDAY SERVICE This entry defines how to reroute ACD call when group status is Holiday Status.	5	0: Release 1: Announcement. 2: Forward	Release
HOLIDAY FWD DEST When Holiday Service type is Forward, applied destination can be assigned.	6	-	-
OVERFLOW SERVICE This entry defines how to reroute ACD call when group status is Overflow Status.	7	0: Release 1: Announcement 2: Forward	Release
OVERFLOW FWD DEST When Overflow Service type is Forward, applied destination can be assigned.	8	-	-
MAX QUEUING COUNT This entry defines MAX queuing call count. If queuing ACD Call count is over the max q-count, ACD group state will be changed to Overflow Status.	9	00-99	10
QUEUING ANNC STEP This entry defines queuing announcement play service step. One ACD Group can have max 5 announcements for queuing ACD Call.	10	1-5	1
REPEAT COUNT This entry defines total queuing announcement repeat service count. If this entry is defines as One or More Times service, Queuing Announcement will be played from 1st to defined Step. And then from Repeat Position Queuing Announcement will be restarted to defined step until Repeat Count.	11	0:No Repeat 1:One Time 2:Three Times 3:Five Times 4:Ten Times 5:Twenty Times	No Repeat
REPEAT POSITION This entry defines Repeat Announcement Start Position.	12	1-5	1

ÚÕT ÁŒH	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ØY ÖÁŒZVÒÜÁÛWÒWŒÞÕÆŒÁV@sÁx}d^Æs^-āj^•Á^¦[˘ơÁ•æ*^Á ææ^¦Áˇ^ˇāj*Áaj^Ájç^¦È	FH	€KÁU~ FKÁU}	U~
Û ÊZY ÖÁÖÒÙVÁŒÄÜ^¦[ ĕ^Ás^•cājæaāj}Ásee^¦Á *^*āj*Ásāj^Ájç^¦È	FI	Ë	Ë
OEÕÒÞVÁÞUËŒÐÙÁIJÚVQDÞÁŒÁVŒÁÅ} d^Ás^尋^•Á[Ëæ)•¸^¦Á CE^}œÁÞ[ĔŒ¸^¦Ásæ^Ásæ][ŏÓŒÔÖËæ# È FÁÞ[æÁ•^ GÁQ[;æåKåsæ# Á¸∄ Æs^Á[;æååååÆjÁs^æ]ååÅå^•ææææ]} HÄÖÞÖKÆCE^}œÁœæ°Á¸∄ Æs^Ás@æ)*^åÁæĕ ([{æææææ]ÁfiÁöÞÖÁ •œæ°È IÄÖÞÖÆBÁQ[;æåKÆCE^}œÁææ°Á¸∄ Æs^Ás@æ)*^åÁæŏæg}*^Æ[ÄÖÞÖÁææe°ÉÄ æ)åÁŒÔÖÆæ# Á¸∄Æs^Á[;æåååÁgÁs@æ]*^Æ[Æsææ]}	FÍ	€ΚΑΦ-[αΚί•^ FΚΑΣ[¦, ætå GΚΑΘΦΟΑ΄ ασες^ ΗΚΑΘΦΟΑ΄ ΑΣΑΣ[¦, ætå	Þ[ ðÁ•^
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ÚÕT ÁŒFI	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙWÚÒÜXÒÙUÜÁÚÙYÖÁÔPÒÔSÁŒÁVŒAÁ}d^ÆA^-J^•Á &@&\Á@Á*]^¦çã[¦Á;æ••][¦åÁ;@}Á*`]^¦çã[¦Á &@)*^Át¦[`]Ácæč•È	F	€KU~ FKU}	<b>€KU~</b> -
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Y UÜSÁT UÖÒÁ/OT ÒÜÁEÉ/V@ĕÁ*} d^Ás^-āj^•Á; læjÁ]Á aą̃^lÁ;ÁOE^}oÁY[¦\ÁÚbæe^È	Н	€€FËG €	΀
OBWUËY UÜSÁT UÖÖÁJÚVOUÞÁĒŽV @ Á} d^Áà^-ą^•Á , @} Ás@e) *^Ás@Ásē^} oÁ [;\Á cæe*ÈÄÇĀÁsÁe]   A³ÉÁ , @} Á;}   Ásē^} oÁ@Ásē^} oÁ [;\Á cæe*ÈÄÇĀÁsÁe]   A³ÉÁ , @} Á;}   Ásē^} oÁ@e Ásē d; Ё; [;\Á;] cā;} DĒ FÁÕCIŠŠÍÁSee*; ÁS[} ç^!•æēā;} ÉÁsē^} oÁ cæe*Á; āļÁs^Á &@e) *^åÁt,Á; [;\Á cæe*È GÁÕCIŠŠÉÜŪΦÕKÁSee*; ÁS[} ç^!•æēā;} Á;!Ásee*; Áā; *ā; *ĒÁ æē*} oÁ cæe*Á; āļÁs^Á&@e) *^åÁt,Á; [;\Á cæe*È HÁÕCIŠŠÉÜJÕKÁSee*; ÁS[} ç^!•æēā;} Á;!Ásee*; Á; æb^Á [*ċ*[ā] *Ásæd;ÉÉsē*^} oÁ cæe*Á; āļÁs^Á&@e) *^åÁt,Á; [;\Á • cæe*È I ÁÕCIŠŠÉÜJŪÞÕÉÜJÕKÁSee*!Æ[} ç^!•æēā;} Á;!Ásee*!Áā; *ā; *Á [!Ásee*!ÁÁ; æb^Á; ċ*[ā] *Ásæd;ÉÆē*^} oÁ cæe*Á; āļÁs^Á &@e) *^åÁt,Á; [;\Ácæe*È		ਚ©æl FrÔælÉÜ₫ * GrÔælÅJÕ HrÔælÉÜ₫ * EÅJÕ	€Ôæ

PGM 214	BTN	RANGE	DEFAULT
ANNOUNCEMENT USE This entry defines usage of Announcement when agent answer incoming ACD Call.	5	0:Off 1:On	0:Off
GROUP Q-CNT DISPLAY This entry defines display of Queuing count of ACD call.	6	0:Off 1:On	0:Off
Q-CNT INTERVAL This entry defines display interval seconds of Queuing count of ACD call.	7	0:Real Time 1:10sec 2:20sec 3:30sec 4:40sec 5:50sec 6:60sec	0:Real Time
LOGIN PASSWD CHECK This entry defines check the password when agent log-in.	8	0:Off 1:On	0:Off
LOGIN AGENT STATE This entry defines usage of default Agent State option when agent log-in.	9	0:Ready state 1:DND state 2:Work state	0:Ready state
LOGIN AUTO ANSWER This entry defines usage of Agent Auto Answer option when agent log-in.	10	0:Off 1:On	0:Off
LOGIN AUTO WORK This entry defines usage of Agent Auto Work option when agent log-in.	11	0:Off 1:On	0:Off
LOGIN HANDSET This entry defines usage of Agent Headset option when agent log-in.	12	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode	1:Handset Mode
LOGOUT HANDSET This entry defines usage of Agent Headset option when agent log-out	13	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode 4:Logon Mode	1:Handset Mode
LOGOUT RESTRICTION This entry defines restriction of Logout State Agent.	14	0:Not use 1:CO outgoing 2:All call	0:Not use
CO ANSWER TIME This entry defines when the ACK message is sent to caller party.	15	0:Queued to group 1:Agent Answer	0:Queued to group

## Chapter 10: ACD (Automatic Call Distribution)

ÚÕT ÆFI	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
Q>QUÁÖQE/QÁÜÜQ>VÁÄÄV@áÁ\d^Áá^-ág^•Á·eæ*^Á;-Á QEÔÖÁÔæHÁ/æ-æ&ÁQ-{¦{ææã}}ÁsæææÁU¦ā;oÁ;¦Á>[dĚA Q,-{¦{ææã}}Á/æ-æ&ÁsæææÁ,āHÁs^Á;¦ā;o^åÁææÁ Q,-{¦{ææã}}ÉÚ¦ā;oÁÚ[¦dÈ	FÎ	€KU}	€KU ~-
QD ÁÚÜQÞ VÁQÞ V ÖÜXQEŠÁËŽÁ @āÁ ) d Áå ^- ¾ ^• ¼ ¦ ¾ oÁ ¾ c \çæpÁ ^ & [ } å • ¼ - ¼Q - [ ¦ { ææð } ÁV   æ-æð å æææÈ	FΪ	€€FËĞÍ €	€€FÁÇF€Á\^&D
Op ØU ÂÔŠÜÁOÐØV ÔÜÁÜÜVÁÐÐÁÐÁ Áşæj ^ Ás ÁU ÞÐÁÐÓ '\ Á             1 åj ÓÓQ {   { æðaj } Ástæ-æðÁsææðÁs   ^ çaj * • ÁsææÁ, aj Ás ^ Á           å^ ^ c^å È	FÌ	€KU~ FKU}	€0~

# **System Programming Tables**

The MBX IP system 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 using the Web Admin (refer to the "MBX IP Web Administration Guide"). This section provides general information.

#### Other sections include:

- Section 2 provides a description for data entry using the Admin Station.
  - NOTE: Some parameters are available through Web Admin and not the Keyset Admin.
- Appendix B 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.

#### 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 database default switch (1st position of the MPB DIP-switch), refer to the "MBX IP Hardware and Installation Guide".

If the switch is in the ON position:

the system will perform a simple Power-Up routine; clear all scratch-pad memory, load run-time programs, establish communications with each registered board and DTIM/SLTM gateway Module and MBX IP 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 database default switch is in the OFF position:

in place of the Power-Up routine, the system will perform the full Initialization procedure. The initialization procedure will set the system database except DECT registration data to default values, refer to Initialization section. Once initialization is complete, set the initialization switch to the ON position to protect the database.

# **Program Menu Structure**

#### **Administration Menu Table**

Administration	Menu		
	Š[&æaā[} AÚ¦[*¦æ{	F€€	
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	ÖVQT ÐÚŠVT ÁÜ^* ãr dæða }	F€Ï	
	OÚÁOEåå¦^••ÁÚ æ}	F€ÌËF€J	
	Þ`{ à^¦āj * ÁÚ æj Á/`] ^	FF€	
	Ù^•¢^{ Áp~{ à^¦ã,*ÁÚ æ}	FFF	
P. ( 5012 * 411-3	Ø ^¢ãa ^ÁÛcæaã[}ÁÞˇ{à^¦	FFG	
Þ`{ à^¦ā;*ÁÚ æ;	Ø^æc`¦^Ác~`{à^¦āj*ÁÚ æ}	FFH	
	ÔUÁÕ¦[ˇ]ÁŒ&^••ÁÔ[å^	FFI	
	Ùoæa[}ÁÕ¦[ˇ]ÁÞˇ{à^¦	FFÍ	
	ŒÔÖÁÕ¦[ˇ]ÁÞˇ{ à^¦	FFÌ	
	Ùæa[}Á/`]^	FŒ	
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	Ôæ∥ÁØ[¦,ælå	FIH	

Administration	Menu		
	Station VMIB Attribute	145	
	Mobile Phone Attribute	146	
Station Number Data	CO/IP Group Access	150	
	Page Zone Access	151	
	Command Group Access	152	
	CO Line Attribute	160-163	
	Incoming CO ATTR	165-166	
	CO Ring Assignment	167	
	Normal/DISA CO ATTR	168	
	Incoming CO Alternative	169	
CO Line Data	Outgoing CO ATTR	170-171	
2 2 2 3 3 2 3 3 2	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 Assign	200	
	Station Group ATTR	201-202	
	Voice Mail Group	203	
	Call Pick-Up Group	204	
	Page Group	205	
Station Group Data	Command Conference Group	206	
•	PTT Group	208	
	Interphone Group	209	
	Pilot Hunt Group	210-211	
	ACD Group Assignment	212	
	ACD Group ATTR	213-214	
	ACD Group Announcement	215	
	System Timer	222	
	System Attribute	223	
System Data	System Password	226	
	Alarm Attribute	227	
	External Control Contact	228	

Administration	Menu		
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	Ù^¦ãæ‡ÁÚ[¦ơÁÙ^ ^&cã[}	G <del>-F</del>	
	ÙT ÖÜÁŒĠãã ơ	GHG	
	Ù^•d^{ÁÖæe^ÁBÁ/ã, ^	G <del>-H</del>	
Ù^•c^{ ÁÖæææ	ŠÒÖÁØ æ•@j, *ÁÜæe^	GH	
2 2 (	ÚÚÚÁŒďãaˇ ơ\	GHÍ	
	T[àā/ÁOĒcdāačo/	GHÎ	
	Q c^   &[ { ÁÓ ` • ^ ÁÖ â* ãc	GHÏ	
	Öãæd, Eli } ^ ÁÖãt ãaÁvæà   ^	GI€	
	Ò¢^&` cãç^ĐÙ^&¦^cæ¦^ÁŒ• ã*}	GГ	
	Ò¢^&` cãç^ÁQB&^••	G G	
	ÚÚVÚÁŒĠã° ơ	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	
	Y^àÁOE&&^••ÁOEc@(¦ãæeā[}	iiiii	
	V[  ÁÒ¢&^] cā[} Á/æà ^	GÍ€	
	Öði ã pÁÔ[}çÁ/æða ^	GÍ FËGÍ G	
	Ù^• c^{ Á/ā[ ^Á/æà ^	GÍHËGÍI	
	ŠÔÜÁ/ą̃ ^Á/æà ^	ďί	
	P[ ãåæÂ/ã(^Á/æà ^	ďί	
	Ù^• ♂{ ÂÛ] ^^åÁÖãæ;	ďΪ	
Væà ^ÁÖææe	Ò{ ^   * ^ } & ÂÔ[ å ^ Á/æà   ^	ď ì	
	OE; } [ * } &^{ ^} oÁ/æà ^	ďЛ	
	ÔÔÜÁæà ^	Ğ€	
	ÔŠÖÁ⁄æì ^	GÎ G	
	ÔŠŒ(Ô[}ç^\ •a[}Á/æà ^	GĤ	
	V[}^Áx21^~~^}&^HÔæå^}&^	ď۱	
	Üậ, * Á⁄æà ^	Ġί	
	Üāj * ÁØl^~~^} &^ ĐÔæå^} &^	GÎÎ	
	X[ã&^ÁTæājÁÖãæþÁ/æà; ^	ďЛ	
	OEVÖÁÕ¦[ˇ]ÁOE•∄}{^}c	Ğ€	
	ŒVÖÁÕ¦[ˇ]ÁŒVVÜ	GÏ FËGÏ G	
V^}æ}o∜Öænæ	Þāt @ÁŒVÖÁÕ¦[ˇ]ÁŒ•āt}	Ġί	
V·} <del>ay</del> <del>(4Oaeac</del>	Þāt@ÁŒVÖÁŐ¦[ˇ]ÁŒVV	GÎĒGÏ	
	V^}æ)dÁOEcdäačd^	GÌ€ËGÌF	
	V^} æ} α'Ѧ[ˇ] ÁŒ&^••	ĠН	

Administration	Menu			
	CO Call Restriction	284-285		
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SNMP Data	SNMP Data			
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# S/W Upgrade

S/W Upgrade
Ø\$(^ÁV)  [ æåÁ
ÕĐYÁNJ*¦æå^
W]*¦æå^ÁÚ¦[&^••ÁX泸
XT ΦΑ΄Ú¦[{] σΑ΄ΛΙ]*¦æå^
OEDÆWÁÚ^•¢^{ ÁÕ¦^^œ]*ÁN]ÁBÁÖ[¸} [æå
ÓŒŨÁŊ*¦æå^

# **System Management**

System	Menu
Öægæàæ•^ÁV@áÁæÁk^•oÁEE	Öææàæ^ÄÖ[¸} [æå
	Öæææàæ•^ÁW]  [æåÁ
ÙT ÖÜ	ÙΤ ÖÜ
V^¢0ÃÖæææèæ^	V^¢0ÄÖæææàæ^ÄÖ[¸} [æå
	V^¢óÁÖæææàæ•^ÁW]  [æå
Ø\$\^Â\U^• e^{{	Øäp^ÁX∂r¸ÁBÁÖ^ ^৫^
	Øā/^ÁÛ^•¢^{ ÁQ-{¦{æeā[}}
	Úậ * Á/^∙ c
	TÚÓÆĞ[ *ÁXæð ¸
	Ù^•¢^{ Æ[*ÁXã^,
	ÕYÁBÁÖ^çã&^•ÁŠ[*ÁX㳸
Viæ&^	Pcd] ÁŠ[ * ÁXâ^,
	Öğl ÁÜ, ãã&@ÁÚcæĕ •
	ÔUÁŠĄ ^ÁÚcæč •
	Ùczeńą } ÁÚczeč•
	ÙŠVÁŠÃ,^ÁT[}ã[;
	Ù^•¢^{ÁSÙWÁÙæĕ*•
	VÖT ÁÕæği, Çi €€Ëİ €Ï D
	ÖÙÚÁÖæájÇfÍD
Õæği ÁBÁÔæå^} &^ÁÔ[}d[	ÜVÚÁÕæjiÇG¢ËH¢D
	ÙŠVÁÜĄi*ÁÔæå^}&^ÇI€D
	ŒÔÞÜÁ∕[}^ÁÔæå^}&^ÇIFD
C[[]  ãæ} &^• ÁÔ[ } d[	Š[ &\ Á5^^ÁQ• cæ
ÖÒÔVÁÙææã ææ ÁØ^æ;¦^	ÖÖÖVÁÚGÆÆÆÆ
X[ 38^ ÁT æājÁÖ^  ^ c^	X[ 88^ÁT æ\$ÁÖ^ ^&

# **Station Admin Programming**

#### 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 (IVOL 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 will return the screen 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, a confirmation tone will be received and the data stored. If a conflict exists, an error tone is provided and newly entered data is not saved. Generally, corrected data may be entered and stored without restarting the entry procedure from the 1st step.

### 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 the table on page C-1.

Use the table to determine the two digits that must be entered from the dial pad for each character.

# **Required Data Entries**

During initialization a default database is established, refer to Initialization section on page A-1 and Quick Reference tables in Appendix B.

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 TRANS/PGM 100 on page A-8), 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 TRANS/PGM 108 on page A-14), must be assigned for proper external IP call operation and WAN access as well as remote Web Admin access.

# **Data Entry Mode**

All data entry is accomplished from an Admin Station or station assigned for data entry (Station Port Attributes I (TRANS/PGM CODE 121, Flex button 5). After DB initialization, Station 100

ÇÙcæaā[}Á][¦cÁÀÁ€FDÁ;æ Ásæ&&^••Ás@ Án^•c^{ Ásæææàæ•^ÈÁQ Ásæååããā[}ÊÁsæ Ás^æĕ|dÉÁs@;¦^ÁseÁ][ÁÙcæaā[}Á Ožá{ā[Á]æ••,[¦åÁs^-ā]^åÈÁ

To enter the PROGRAM MODE:

FÈ  $\varnothing$ [{ Ás@ÁOZá{ ã ÁJ cæsā[}Á,\^••Ás@ÁŽTRANS/PGMÁŠa`  $\varpi$ [}Ásæ)åÁs@}Ásãæd/Ásæ)åÁsE  $\mathring{A}$ E  $\mathring$ 

To select a program:

Ú¦^••Ás@AŽ/ÜCEÐÙÐÚÕT ÁSi`co[}Ása)åÁsãædÁs@Á]^&ããðåÁOTā{ ðjÁÚ¦[\*¦æ;ÁÔ[å^È

# **Procedures for Data Entry**

V@Á[||[¸ā]\*Á^8cā[}•Á]·[çãā^Á]^8ā&BÁ\$]•d`8cā[}•Á[¦Á°]\*ÁsææÁ¦[{ Ás@ÁOEā{ā]ÂÛcæā[}Á [}&^ÁB,Ás@ÁÚÜUÕÜCETÁTÜÖÒÈÁÓæ&@Á^8cā[}Á]·[çãā^•Ás^•&lā]æç^Ás]-[¦{ææā[}ÊA;¢]Ëā^Ëæ^]Á ā]•d`8cā[}•Ásg)åÁæà|^•Áq¦¦Ás^¢¦{ā]ā]\*Áse]]¦[]¦ãææ^Ár}dā>•È

### PRE-PROGRAMMED DATA - TRANS/PGM Codes 100 to 108

# Location Program (TRANS/PGM 100)

 $W_{j} = \frac{1}{4} \frac{1$ 

To change the Country Code:

- FÈ Ù^ $c\acute{a}$ @ÁG åÁT ÚÓÁ  $\tilde{a}$ 8@ÁÍ Ác@ÁU ÞÁ  $[\bullet \tilde{a}\tilde{a}\tilde{a}]$  £ÁÁ
- $(\hat{A} \otimes \hat{A}) = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A} \otimes \hat{A} \otimes \hat{A} = \hat{A} \otimes \hat{A}$
- HÈ Ü^•^o⁄a⁄a@ Án̂• e^{ Á āc@ÁÚ[¸^¦ÁUØØÐUÞĒÁ¦^••ā;\*ÁÜ^•^o⁄aá`cc{} ĚÁ;¦Á;\^••ā;\*ÁZ/ÜŒĐÙĐÚÕ TáÁ IJJÁÐÁØ/^¢ÁGÆŽÚŒKÒÆŽÁ
- FÈ Ú¦^••Ás@·ÆX/ÜŒÞÙÐÚÕTæÁða °c(}Áæ)åÁåãæþÁF€€È
- HÈ W^^Á@ ÁãæþÁ;æåÁt Á^} &\Áå^•ã^åÁãæææÐÁØ[ \ÁÛ^•&{ ÁÜ^•^ŒÁ; \^••ÆZ/ÜŒĐÙĐÚÕT ÁÁ JJÁÐÁØ|^¢Á ŒÁ; \^••ÆÜŒXÒÁÁ;Á^•^ÁœÃÛ°•&{ ÁÜ Á••ÆÜŒXÒÁÁ;Á^•^
- IÈ V[Ánd; | ^Án@-Á[&ææā]} ÁnaææÁ, | ^••Án@-ÁTÜOEXÒ Ána` cd; }È

TRANS/PGM 100	BTN	RANGE	REMARK
NATION CODE enables [SPEAKER] activation when a CO/IP, DSS or other feature button is pressed (handsfree).	1	4 digits	1
SITE NAME selects Speakerphone mode, Headset mode or Ear Mic Mode.	2	24 characters	-

### Nation Codes

NATION	CODE
OE*^} œ}	ÍΙ
OE•dælåæe	ÎF
Œ∧¦àæ <b>ab</b>	JJI
Óæ@æ <b>j</b>	JΪH
Óæ) *  æå^•@	ìì€
Ó^ æi* •	ΗÏÍ
Ó^ * ã {	HG
Ó[  ãçãæ	ÍJF
Ó¦æãį	ÍÍ
Ó¦ˇ}^ã	ÎΪΗ
Ôæ{ ^¦[[}	СНÏ
Ô@ <b>*</b> ^	ĺÎ
Ô@AæÁÇÚEÜEÔD	ìî
Ô[ [{àãæ	ÍΪ
Ô[•æÁÜææ	Í€Î
Ô^]¦*•	ΉΪ
Ô: ^&@ÁÇÙ [çæàD	IG
Ö^}{ æ\	ΙÍ
Ò& æå[ ¦	ÍJH
Ò*^] c	Œ
Ò ÁÙæţçæå[¦	Í€H
Òc@[i] ãæ	Я́F
Øãtã	ÎÏJ
Ø j   æ j å	Ηĺ
Ølæ)&^	HH
Õæà[}	GГ
Õ^[ ¦* ãæ	JJÍ
Õ^¦{ æ}	IJ
Õ@e)æ	G <del>H</del>
Õ¦^^&^	H€
Õˇæŧ	ÎÏF
Õ°æc^{æ¢æ	Í€G
Õ ´ ^ æ) æ	ÍJG
Pæñã	Í€J

NATION	CODE
P[}åˇlæ•	Í€
P[}*ÁS[}*	ÌÍG
Qåãe	JF
Qå[}^•ãæ	ÎG
Class)	JÌ
<b>C</b> æĕ	JÎI
Q^ æ}å	Н́Н
<b>Q</b> ¦æ^	JÏ G
Œ¥̂	HJ
Ræjæ)	ÌF
R[¦åæ}	JÎ G
S^}^æ	ďΙ
S[ ¦^æ	ÌG
Sĭ, æãc	JÎÍ
S^¦*^:•æ}	JJÎ
Šãa^¦ãæ	GHF
Šãa^æ	ŒÌ
Ў¢^{ à[ˇ¦*	HÍ G
Tæ æê•ãæ	΀
T [  å[ çæ	Η̈́Η
Tæ¢æ	ΗÍÎ
T ^¢ <b>8</b> 8[	ÍG
T[}æ <b>&amp;</b> [	ΗÏΪ
T[¦[&&[	ŒG
T^æ){ælÁÇÓĭ¦{æĐ	Jĺ
Þ^œ¦ æ}å•	Æ
Þ^¸ÁZ^æþæ)å	Îl
Þði ^¦æe	ЭH
Þ[¦¸æ̂	ΙΪ
U{ æ}	JÎ Ì
Úælaña æl	JG
Úæ)æ(æ	Í€Ï
ÚÐÐÖ	ÎÏÍ
Úælætřæî	ÍJÍ

NATION	CODE
Ú^¦*	ĺF
Ú@ajaj]aj^•	ÎН
Ú[  æ <del>)</del> å	ΙÌ
Ú[¦c*æ	НF
Ûænad:	JΪΙ
Üĭ{æ}ãæ	I€
ܡ∙∙ãæ	Ϊ
Ùæĕåã <b>á</b> Œæàãæe	JÎÎ
Ù^} ^* æ	GGF
Ùã;*æ}[¦^	îí
Ù[č@ÁOE¦&&æ	Ğ
Ù]æ§	Н
Ù¦ãÆsæ}∖æ	JI
Ù,æ ‡æ)å	GÎÌ
Ù, ^å^}	ΙÎ
Ù¸ãc.^¦ æ)å	ΙF
Vadañañar caa)	JJG
V^ \[{	EGÏ
V^ •dæ	ВF
V@aajaa)å	îî
V″}ãrãæ	ŒÎ
V"  \ ^^	J€
V″¦\{ ^}ãræ)	JJH
W <b>ÈDE</b> ÒÈ	JΪF
W∖¦æ∯i^	HÌ€
W}ãe^åÁsã;*å[{	П
Wř**æ̂	ĺJÌ
WEÜECE	F
W. à^\㕜a}	JJÌ
X^} ^: * ^ æ	ίì
Xã^c}æ{	ÌΙ
ŸĖĖĖĖ	JÎÏ
Default = 1 (U.S.	A.)

# Slot Assignment (TRANS/PGM 101)

- 1. Press the [TRANS/PGM] button and dial 101.
- Enter Slot number
- 3. To change board type, press the Flex button 1 and dial board. Refer to NOTE2 Board Type Code.
- 4. To change device number, press the Flex button 2 and dial device.
- To store the location data press the [SAVE] button.

#### Slot Assignment

TRANS/PGM 101	BTN	RANGE	REMARK
SLOT ASSIGNMENT refer to "Board Type Code" table below.	1	-	-
SLOT 02 enter device (port) number.	2	-	-

If the DIP switch of the manual board detection (the 1st DIP Switch) is ON, system will detect the NOTE: 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.

### Board Type Code

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

# Logical Slot Assignment (TRANS/PGM 103)

- 1. Press the [TRANS/PGM] button and dial 103.
- Press the Flex button (1-3) to change slot order.
- Enter slot numbers.

## IÈ Ú¦^••Ás@AŽÙOEXÒáÁaˇcd;}ÁqfÁdç¦^È

VÜŒÞÙÐÚÕTÁF€H	ÓVÞ	ÖÕ₫ĐÕÙ	ÜÒT ŒÜS
ÔUÆGO ÒÁOUŒÜÖ	F	Ë	Ë
ÙVŒVQJÞÁÓUŒÜÖ	G	ììÁQÙÓÚÁÚ@{}^D JJÁQÓÚÁÚ@{}^Á¦ÁÚ@{}œ#^D	Ë
XT @ÁÓU ŒÜÖ	Н	Ë	Ë

NOTE: QÁ@ÁÖÓÁ, ã&@Á, æ) ĕæÁa[æåÁa^c/&cá] ÁÇÇ@Ár•oÖÓÓÁJ, ã&@Áa Ár•c/{ Á āļÁa^c/&cÁ c@Á[\*ææÁa][cÁæ•â] ÁgÁ^``^} &^Á Ágæáa; å/å/å/å/áæí ({ ææææ)Ê

QÁQ ÁF•OÁDÁ, ÄÖDÁ, ÃBQÁ ÁU 202ÉAQ Á[\* 38æ4Á|[ OÁæ•ã]{ ^}OÁ, `•OÁA ÁA} C\'^åÁæAÁæ&@Á[æååÁs]^ÈÁ CE&\'Á;æ)`æ||^Á^cæã;\*Á[\*38æ4Á|[ OÁæ•ã]{ ^}OÉ&@Á^\\ÁQ[`|åÁ^•^OÁ@Á^• C\{Á;æ)`æ||`È

# **DECT/IP Phone/SIP Phone Port Assignment (TRANS/PGM 104)**

FÈ Ú¦^••Ás@ ÁŠ/ÜŒĐÙĐÚÕT áÁà cơ; }Áæ) åÁåãæþÁF€IÈ

Œ Ú¦^••Ás@ÁØ|^¢Áà cd }ÁQFËDÁæ)åÁ\}c\¦Ás@Áå^•ã^åÁåæææ

HÈ Ú¦^••Ás@AŽÙOXÒáÁs cơ }ÁţÁt¢¦^È

VÜŒÐÙÐÚŐTÆ€	ÓVÞ	ÜŒÞÕÒ	ÜÒT ŒÜS
T ŒYÁPUÐÁUØÁÖÒÔVÁÚPUÞÒÁÐÐÁGÐÁSÆÐÁN^ÁN*㢺¦^åÁqÁœÁÛ^•¢º{È	F	Ë	ì
TOÉYÁPUÐÁUDÁÚHÚPUÞÒÁÐÁGÆÁSÆÐÁA^Á^*ÐFO¦^åÁGÁÓAÛ^•O{È	G	Ë	HG
T CHÝÁPU BÁU ØÁÙ ÓUÁÚPU Þ ÒÁEÐÁS @ædÁSæ) Á Á ^ Á ^ * æ < \ ^ å Á [ Á @ ÁÙ ^ • c { È	Н	Ë	HG

# IP Phone/Phontage Registration Table (TRANS/PGM 106)

FÈ Ú¦^••Ás@·ÆX/ÜŒÞÙÐÚÕTæÁà cq[}Áæ)åÁåææþÁF€ÎÈ

QÈ Ò} c^¦Áàā, Á, ˇ{à∧¦Áq Áà, ^Áæ••āt}^åÈ

HÈ Ú¦^••Ác@ÁØ/¢Áàč cd }ÁQFE DÁc) åÁ\}c^!Ác@Áå^•ã^åÁåæææÈ

IÈ Ú¦^••Ás@^ÁŽÙŒ\ÒáÁàč æ[}Á[Á;q[¦^È

TRANS/PGM 106	BTN	RANGE	REMARK
MAC ADDRESS Used to register an IP Phone to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-1,)	1	-	-
USER ID Used to register a Phonatge to the System, by entering its User ID and Password.	2	-	-
USER PASSWORD Used to register a Phonatge to the System, by entering its User ID and Password.	3	-	-
STA NUMBER (VIEW) Once a connection is made to the System, the current Station number will be displayed.	4	-	-
IP ADDRESS (VIEW) Displays the IP Address of the IP phone/Phontage.	5	-	-
F/W IP ADDRESS (VIEW) Displays the Firewall IP Address of the IP phone/Phontage.	6	-	-
RTP SECURITY Enable RTP Security.	7	-	-

# DTIM/SLTM Registration Table (TRANS/PGM 107)

- 1. Press the [TRANS/PGM] button and dial 107.
- 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.

TRANS/PGM 107	BTN	RANGE	REMARK
MAC ADDRESS Used to register a DTIM to the System, by entering its MAC Address. (Refer to Alphanumeric Dial Pad entries on page C-1.)	1	-	-
STA RANGE (VIEW) Once a connection is made to the System, the Station number assigned to DTIM/SLTM will be displayed.	2	-	-
IP ADDRESS Displays the IP Address of the IP phone/Phontage.	3	-	-
F/W IP ADDRESS Displays the Firewall IP Address of the IP phone/Phontage.	4	-	-
RTP SECURITY Enable RTP Security.	5	-	-

# IP Address Plan (TRANS/PGM 108)

V@AÛ^•o^{ÁÛÁ•Á^ˇˇã^åÁ[¦Á^¢o^¦}æÞÁ[ŒÁA]•ÉÁYÒÓÁ;¦[\*¦æ{{ã,\*ÉÁŒÁÛÁÚ@}}^Á^\*ã·dæáā}}Á;¦Á ^¢o^¦}æÁX[ŒÁA]•ÉÁ

T ÓÝÁŒÁA ÁB • œd|^åÁB^@B åÁœÁDŒÚVÁ^¦ç^¦ÉÃBÁœÁDŒÚVÁ^¦ç^¦Á¦¡[çæã^•Áæç^åÁæåå¦^••Á
dæ)•|ææã¡}ÁæjåÁ[¦œÁ;] æååä;\*ÁgÁœÁA°•¢{ ÉÁŒÁSæ¸Ææ^ÉÜÆ^ÉÜÁ°•¢{ Á¸ã|Á^{] |[^Ás@ÁÆåå|^••Á
ŒÁ Áª)-ØÁæåå|^•••ÆæÁæÁæ}Å;`à|æÁæÁåå;\*••Ág Áæåå|^••Ág { ~ }ææã;}Á¸ææÅ^{ [ ¢ÁB^çæð^•ÉÁVæÁ
æåå|^••Ág Áæð^¢æ\*Å;
ÖVŒ ÐÙŠVT ÞÁ

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# System Information (TRANS/PGM 109)

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- 1. Press the [TRANS/PGM] button and dial 109.
- Select the desired button 1-7.

TRANS/PGM 109		RANGE	REMARK
MAC ADDR The MAC Address of MPB.	1	-	-
PROTOCOL PORT UDP Port for communicating between MPB and Boards (or, IP Phone).	2	-	-
PRIVATE NET MASK	3	-	-
APP RLS VERSION System Version.	4	-	-
APP RLS DATE The released Date of System software.	5	-	-
BOOT VERSION System Boot Version.	6	-	-
BOOT RLS DATE The released Date of System Booting application.	7	-	-

# NUMBERING PLAN DATA - TRANS/PGM Codes 110 to 116

# Numbering Plan Type (TRANS/PGM 110)

The MBX IP system provides default Numbering plan set. One of any numbering plans can be installed or every numbering plan can be cleared.

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

- 1. Press the [TRANS/PGM] button and dial 110.
- Press Flex Btn 1 and select one of the default numbering plans.
  - If numbering plan type 7 is selected, all numbering codes are deleted. After deleting, the user should first assign the prefix numbering plan. After configuring the prefix, the user can assign the others like station number, CO Group Access Code, Extra Numbering and Feature Code. This is useful when a user wants to reconfigure all numbering codes.
- 3. Press the [SAVE] button to update all numbering plan codes with selected default value.

# System Numbering Plan (TRANS/PGM 111)

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

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# Flexible Station Number (TRANS/PGM 112)

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OR

Use the Volume Up / Down buttons for data of the next / previous index.

- 4. Enter station number to update.
- Press the [SAVE] button to update changed data.

Check if newly entered number is available number according to Prefix Code plan (TRANS/PGM Code 111).

TRANS/PGM 112	BTN	RANGE	REMARK
STATION NUMBER (edit by range)	1	Start station number & End station number	Delete all station numbers and update entered station number range only.
SINGLE STATION NUMBER (edit)	2	One station number	Bin 001-324 (MBX IP 300), bin 001-128 (MBX IP 100): 1 number per one station port (My-DNs for each stations).
			Bin 325-648 (MBX IP 300), bin 129-256 (MBX IP 100): Free station numbers for MADN type or extra SADN type numbers (Sub-DNs).

# FEATURE NUMBERING PLAN (TRANS/PGM 113)

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

- 1. Press the [TRANS/PGM] button and dial 115:-
- 2. Select the desired index (01-108); refer to the following table.
- 3. Press the [SAVE] button to store the new Numbering Plan data. Check if newly entered number is available according to Prefix Code plan (TRANS/PGM 111).

#### Feature Numbering Codes

BTN	FEATURE	REMARK
1	Attendant Call	0
2	Conference Room 1	571
3	Conference Room 2	572
4	Conference Room 3	573
5	Conference Room 4	574

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HG	Ôæ ÁÓæ&\ÁÔæ}&^	ÍFJ
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HÍ	YæŅāj*ÁÔUÙ	ÍŒ

BTN	FEATURE	REMARK
36	Call Parking Location	541 + xx (Parking Location 00-49)
37	TRANS/PGM Mode Access	521
38	Two-Way Record	522
39	VMIB Access	523
40	AME Access	524
41	CO Line Access	888 + CO Line # (001-200: MBX IP-300, 01-80: MBX IP-100)
42	VM MWI Enable	*8
43	VM MWI Cancel	*9
44	MCID Request	*0
45	Unsupervised Conf Extend	5##
46	PTT Group Access	524 + PTT Group # ( 0-9) + * (Log out)
47	Hot Desk Log In/Log Out	525
48	Name Register	526
49	Create Conf Room	527 + Conf. Room #
50	Delete Conf Room	528 + Conf. Room #
51	Wake Up Register	529 + HH:MM
52	Wake Up Cancel	530
53	Temporarily COS Down	531
54	Cancel Temp COS Down	532
55	Password Change	533
56	Inter-Phone Group Access	534
57	Call Wait Request	535
58	Preselected MSG TRANS/PGM	536
59	Forced Handsfree Call	537
60	Call Based CLIR	582
61	CLIR Access	583
62	COLR Access	584
63	Pilot Hunt Call	585
64	Command Call Oneway	581

ÓVÞ	ØÒŒWÜÒ	ÜÒΤŒÜS
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BTN	FEATURE	REMARK
95	ACD Agent Auto Work	503
96	ACD Agent Auto Answer	504
97	ACD Call Indication	508
98	Non-ACD Call Indication	509
99	ACD Supervisor Group Forward	890
100	ACD Supervisor Night	891
101	ACD Supervisor Holiday	892
102	ACD Supervisor Queued Call Answer	893
103	ACD Supervisor Agent State Check	894
104	ACD Supervisor Silent Monitor	895
105	ACD Supervisor Call Traffic Check	896
106	ACDAnnouncement Play & Check	899
107	Day/Night/Timed Mode Change	513
108	DID/DISA Restriction	685

# CO Group Access Code (TRANS/PGM 114)

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

- 1. Press the [TRANS/PGM] button and dial 114.
- Press Flex button 1 to edit whole CO Grp access code by range.
- Enter desired access code by range.

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.
- Enter desired access code.
- 6. Press the [SAVE] button to update changed data. Check if newly entered number is available, refer to Prefix Code plan (TRANS/PGM Code 111).

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# Station Group Number (TRANS/PGM 115)

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IÈÒ}c^¦Áå^•ã^åÂÛcæaã}}ÁÕ¦[ˇ]Ápˇ{à^¦È

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Ô@&\ÁsÁ,^, |^Án} c^\^åÁ,`{ à^\Ás Ásqe,æsējæsè|^ÊÁ^-^\Á[ÁÚ¦^-ā¢ÁÔ[å^Á,|æ)ÁÇVÜŒDĐÙĐÚÕTÁÔ[å^Á. FFFŒ

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# **ACD Group Number (TRANS/PGM 118)**

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OR

Press Flex button 2 to edit one ACD Group Number.

Use the Volume Up / Down buttons to scroll to the next / previous index.

- 4. Enter desired ACD Group number.
- 5. Press the [SAVE] button to update changed data. Check if newly entered number is available number according to Prefix Code plan (TRANS/PGM Code 111).

TRANS/PGM 118	BTN	RANGE	REMARK
ACD GROUP RANGE ACD Group Number edit by range.	1	Start ACD Group Number & End ACD Group Number	-
ACD GROUP NO ACD Group Number edit.	2	ACD Group Number	-

#### STATION DATA - TRANS/PGM Codes 120-152

# Station Type (TRANS/PGM 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 IP-8000 Series, maximum 4 serial DSS/BLF consoles can be connected. For DSS/BLF consoles, the associated father station number is displayed.

#### To set the terminal type:

- 1. Press the [TRANS/PGM] button and dial 120.
- Use the dial pad to enter a station number.
- 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 IP-Phone
- 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.

- ÍÈ Ø[¦ÁØ|^¢Áà`œ[}ÁœEÁs@o¦^Ásd-^ÁHÁåã--^¦^}œÁ;[å^•Ásæçæafæà;|^È
  - ËÁ T[å^ÁQFDKÁZ[¦ÁS^^Ë;QQ}^Á;QB&QÁS&B;ÁQE;AÁÁÖÙÙÐÓŠZÁS[}•[|^•Æ
  - ËÁ T [å^ÁQEDMÁZ]¦ÁQÚIÈ €€€Á^¦ã°•Á, @B&@Á&æ;Á@æç^Á;Á^¦ãæ∮ÁÖÙÙEÓŠZÁK{}}•[ |^•È
  - EÁ T[å^ÁQ+DAÁQT¦ÁÖÙÙBÓŠØÁ&[}•[|^È
- ÎÈ T[å^ÁGFDMÁZ[¦ÁÚ@}}^ÊÁ, @B&@Á&æ;ÀÁ@æ;^ÁÁÁÖÙÙHÐÓŠØÁ&[}•[|^•ÈÁ/[Áæ••ã}}ÁÖÙÙHÐÓŠØÁÔ[}•[|^Á c[ÁÖÙÙÁ;æ]ÁBjå^¢È
  - ÉÁ Ù^|^&AÍØ|^¢Ási ˙co[}ÁGFÉ DÁ[¦ÁÖÙÙÁ(æ]ÁQ)å^¢ÁGFÉ DÁæ)åÁ\}c^¦ÁÖÙÙHÐÓŠØÁÔ[}•[|^o|Á • cææā[}Á, ˇ{à^¦È
  - EÁ Ú¦^••Ás@AŽÙOEXÒáÁs cq }Ág Árq (\^Ás@AsaezeÁr)d3N•EÁ
- ÏÈ T [å^ÁÇCDKÁZ[¦ÁÓÚÉÌ€€€Á^¦ãN•ÉÁ¸@B&@Á&æ;ÀÁ@æ;^Á;Án^¦ãæ;ÁÖÙÙEÓŠZŒÉ&[}•[|^•ÉÁ
  - $$\begin{split} & \stackrel{\text{LiA}}{\text{LiA}} = \frac{1}{2} \frac{1}$$
  - ÉÁ Ù^|^&AÍØ|^¢Áà`cq[}ÁGFË DÁY;¦Á!^!ãæHÁÖÙÙÁ; æJÁQà^¢ÁGFË DÁæ)åÁ!^|^&AÍ^|^&AÍ^\ÜÙÜÐÓŠØÁ &[}•[|^ÁC]^EÆFKFCËà;ÁÖÙÙÉGHFCËà;ÁÖÙÙÉAHÁ;ÌËÓ;ÁÖÙÙD
  - EÁ Ú¦^••Ás@AŽÙOEXÒáÁs cq }ÁgÁq (^Ás@AsææáA) d að•EÁ
- ÌÈ T[å^ÁQ+DMÁ⊘(¦ÁÖÙÙHĐÓŠØÁ&(}•[|^Á5a•^|~È
- $J \stackrel{.}{\stackrel{.}{\stackrel{.}{\stackrel{.}{\stackrel{.}{\stackrel{.}{\stackrel{.}}{\stackrel{.}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}}{\stackrel{.}{\stackrel{.}}$

# Station Port Attributes (TRANS/PGM 121-124)

# Station Attributes I (TRANS/PGM 121)

VÜŒDÙÐÚÕT ÆGF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
OEWUÁDÚSÜÆEÄN}æà ^∙ÆÖÚÚÒOESÒÜÆÁ&&æãçæã‡}Áç®}ÁæÓÛEOÚÉÄÖÙÙÁ;¦Á [c®¦Á^æċ¦^Ásčæť, Ásáčæť, Ásáký, ¦^••^åÁç@æ)å•√^^DÈ	F	€KU~ FKU}Á	U}
PÒCEDÙÒVÁT UÖÒÁŒÄ\^ ^&o•ÁÛ]^æ\^¦]@{}^Á;[å^ÉAP^æå•^ớ\;[å^Á;¦Á ÒæÁT &BÁT[å^È	G	€10]^æ}^¦ FK?^æå•^ó4 G+0ÖË 0Ô	Ù]^æ\^¦ \

TRANS/PGM 121	BTN	RANGE	DEFAULT
HEADSET RING in Headset mode, this item selects device to receive incoming ring signals Speaker, Headset or Both.	3	0:Speaker 1:Headset 2:Both	Speaker
GROUP LISTEN enables Group Listen feature, audio is sent to both the handset and speaker with the handset microphone active and speakerphone microphone OFF.	4	0:Off 1:On	Off
KEYSET ADMIN when an SLT extension attempts to transfer a CO call to a CO line it is blocked and the call is released.	5	0:Disable 1:Enable	Disable
NO TOUCH ANS permits station to receive pilot hunt ring.	6	0:Off 1:On	Off
HOWLING TONE sets Anonymous Call Restrict service.	7	0:Off 1:On	On
DUMMY TERMINAL 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'.	8	0: Off 1: On	Off
PORT BLOCK if this value is set to ON, Station is blocked so it is impossible to use that station.	9	0: Off 1: On	Off
GAIN TABLE IDX this feature allows 3 kinds of gain tables per station.	10	1-3	1
SLT LINE LENGTH 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).	11	0: Short 1: Long 2: Far	Short
ALARM enable to receive system alarm signal.	12	0:Disable 1:Enable	Disable
DOOR OPEN enable to use door open feature.	13	0:Disable 1:Enable	Disable

# Station Attributes II (TRANS/PGM 122)

## **LLCD LANGUAGE SELECTION**

TRANS/PGM 122	BTN	RANGE	DEFAULT
LCD LANGUAGE sets the Language used in the Station's LCD.	1	(00-14)	00 (English)
LCD DATE MODE sets the Station's Date display as month/day or day/month.	2	0: DDMMYY 1: MMDDYY	DDMMYY

VÜŒÞÙÐÓTÁFGG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNĚV
ŠÔÖÁVQTÒÁTUÖÒÁĒËÁ^ $\sigma$ Ás@ÁVã $^{\Lambda}$ Ãsã $^{\pi}$ ] æÁ $^{\pi}$ [å^ÁsæÁTGÁ $^{\pi}$ 0 $^{\pi}$ 1 $^{\pi}$ 1 $^{\pi}$ 1 $^{\pi}$ 2 $^{\pi}$ 1 $^{\pi}$ 2 $^{\pi}$ 2 $^{\pi}$ 2 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 4 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 4 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 3 $^{\pi}$ 4 $^{\pi}$ 3 $^$	Н	€KÁFGÁP[ˇ¦ÁT[å^ FKÁGIÁP[ˇ¦ÁT[å^	FGÁQº*¦
Ó CEÔS Á SO Ó PVÁ NÙ CHỐ Ò Á ÉÁ Á Á Á A A Á A Á A Á A Á B Á Á B Á Á B Á Á A Á B Á Á B Á Á B Á Á A Á B Á Á A Á B Á Á A Á B Á Á A B Á Á B Á B Á Á B Á B Á Á B A B Á B A B Á B A B A	I	€hÁOE, æ•ÁJ~ FhÁO`•^ÁJ} ^Á GhÁOE, æ•ÁJ} HhÁOE ([Á I hÁÖ^ æ^åÁJ~	Ó •^ÁJ}  ^
Ó LÊ €€€ÁOUÞVÁEÐÁÓ LÁ €€€ÁD^¦& • Á& ¦{ ǎ] æÞÁŒ; [Á ā] å • Á [-Á[} oÁ Á/ā] ^ • ÁÞ^, ÁÜ[{ æ} Áæ} å ÁÕ[o@&BÐVÆ; Á, ^} ˇ Á å^ơ ¦{ ǎ] ^ • Á; @æÁ[} oÁs Á • ^ å È	Í	€nÁvā[^•Áno^¸AÜ[{ FhÁÕ[c@38&	Vã, ^•Á≎^¸ÁÜ[{
ÓÜİ €€€ÃSÔÖÁÖÜŐÖPVVÞÒÙÙÁÏÏÄÓÚÁ €€€ÁÛ^¦&•Á*°¦{ ð;æ‡Á &æ;Áæåb°•0ÄSÔÖÁà¦ð @;^••Á;¦Á*•^¦qÁX;}ç^}ð^}ð^}&^È	Î	€FËÍ	€Ï
ÕÜUWÚÁÛWÒWÒÁÖQÙÚŠCËŸÆËÄÁs@a Æa Á^cÁq ÁJÞÊÁ^•c^{ Á ] ¦[çãā^•Ácæāq}}Át[ˇ]ÁÛˇ^ˇ^Ág,-{¦{ææq}}Áq Át¦Č']Á { ^{ à^¦È	Ϊ	€KÁU~ FKÁU}Á	U~

ÒÞVÜŸ	ŠŒÞÕWŒÕÒ		
€€	Ò} *  ã @		
€F	O <del>zd</del> ã <del>z)</del>		
€G	Ø j } ã @		
€H	Ö` &@Á		
€	Ù¸ ^åã @		

ÒÞVÜŸ	ŠŒÞÕWŒÕÒ		
€Í	Öæ) ã @		
€Î	Þ[¦¸^*ãæ)		
€Ï	P^à¦^¸		
€Ì	Õ^¦{ æ}		
€J	Ø1^} &@		

ÒÞVÜŸ	ŠŒÞÕWŒÕÒ		
F€	Ú[¦č**^•^		
FF	Ù]æ)ã@		
FG	S[ ¦^æ}		
FH	Ò• ([ } ãæ)		
FI	Ü <b>` • • ãæ</b> }		

# Station Attributes III (TRANS/PGM 123)

TRANS/PGM 123	BTN	RANGE	DEFAULT
PRIME NUMBER BTN 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.	1	01-48	01
ZONE NO this menu represents a station belonging to what zone.	2	1-9	1
AUTO HOLD 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.	3	0: Off 1: On	Off
ENBLOCK DIAL 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.	4	0: Off 1: On	Off
ICM ANSWER MODE selects Handsfree, Privacy or Tone ring ICM Signaling mode.	5	1: Handsfree 2: Tone 3: Privacy	Tone
DATA SECURITY disables override and camp-on tones to the station to avoid occurring error when sending data.	6	0: Off 1: On	Off
PROGRESS INDICATOR if this value is set to ON, Progress Indicator Information is included to Setup message (Origin is non-ISDN).	7	0: Off 1: On	Off
FAX MODE if this value is set to ON, Bearer Capability information with 3.1Khz is provided to PX.	8	0: Off 1: On	Off
DTMF WHEN REDIAL if this value is set to ON, DTMF tone is heard to the station user while redial. (Reserved) .	9	0: Off 1: On	On
MUTE RING SERVICE if this value is set to MUTE RING, system provides MUTE RING to user.	10	0: Mute Ring 1: No Ring	Mute Ring
AUTO IDLE SERVICE If this value is set to AUTO, system provides Auto Idle service.	11	0: Auto 1: Manual	Auto

# Station Attributes IV (TRANS/PGM 124)

VÜŒÞÙÐÚÕT ÆGI	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
TÙÕÁY CÆCVÁDÞÖÖÖCS/OUÞÁEEÁ©ÐÁ, ^} ´Ás^৫\{ āj^•Ás@•Á ¸æÁt[Áj[œãÁseÁcææā]}Át[Á;æñÁ;^••æ*^È	F	€FÜÌ	TYÁÜ^{ãjåÁ/[}^
OĐÚ Ú ŠŸÁÖ OZOZAŘÍ OD ÕÁŘĚŠÁ ^ & \{ ā} ^ Á • ^ ¦ q Áb ã-^ ¦ ^ } cámphÁā} * Á { [å^ ÈŘOJ]   ^ā} * ÁţÁ abplÁā} * Á; [å^ Á; l,Á; l,{ aphÁā} * Á; [å^ È	G	FÜ	ŒĮÁÜą́ *
	Н	€€€ËĞÍ I	U}
ÔU ÁÖ Œ Ø ÁÜ Œ Á ÁÖ ÁË Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á	I	€€€ÏĞÍ I	U~
ÔUÙÁŒÚÚŠŸÁJÚVŒJÞÆËÄÅ^៚¦{ 為^Á; @ @ ; Á;@ Áæ; Að J ]   Að AÔUÙÁ Á@ ÁÔUÙÁ ÁJWÓËÖÞÁ; AÔUÙÁ ÁT ŸËÖÞÁ; @ } Á; ææ; } Áæ&&^•^•AÙWÓËÖÞÈ	ĺ	€KÂÛWÓEÖÞ FKÁT ŸEÖÞ	ÙWÞËÖÞ
PUUSÁØŠŒÜPÁ⁄PÒÞÁ/ÜŒĐÙØÒÜÆËÄÖ^¢¦{ ā¸^Ás@Á []^¦æāi}}Á¸@}Á•^¦Á¸!^••Á@[\Ëjæ•@Ás`œ[}Á¸@A^Á dæj•~¦iā¸*ÁsæijÈ €ÈÖæj8% Ásæj•~!ÁnÁsi[]Ásč;!!^}ó%sæijÁæjåÁ^8[ç^¦Á ]!^çāi¸•ÁsæijÁFÈÖ;[\^!ÁnÁ@]åÁsč;!!^}ó%sæijÁæjåÁ^8[ç^¦Á ]!^çāi¸•Á@jåńSæijÁŒĐŐ[}~!^}8∧MÁs•œæijā@ÁrЁ;æÁ 8[}~!^}8%ÁsæijÁÆHĚÖ;[\^!ËÔ[}~ÁnÁu]^!ææ°åÁÖ;[\^¦ÁæjåÁ Ô[}~!^}8%Áş@}ÁœÁ*•^¦Á@[ Áææ@á¸ãæðjÁcÁ^&	Î	€xĺÔæ; &^ Áv¦æ; • - ^  FxÍÓ;[ \ ^  GxÍÔ[ } - ^ ^} &^ HxÍÓ;[ \ ^  ËÔ[ } ~	Ôæ) &^ Á\;æ) • -^\;
UØØËPUUSÁUÞÁÚŒÕÒÖÁËËÁ, @} Áāæā; *Áææj å•^¢Á, @A^Á  ār¢}ā; ÁţÁ;æðā; *Áţ^••æ*^ÊX•^¦ÆææjÁ; æð^Áæj[cœ¦Á &æļÁ;Áæ[}æj~ÁţÁæ;¢} ĚÆlÆæ]}æj~ÁţÁæ;¢} ÁţÁ;æ;å; *Á { ^••æ*^ÆrÁrÁq[]Áēr¢}ā; ÉA^ã^ÁæÁ;(æäjā;*ÁÖÞÉæ;åÁ @æbÁsãæţĔţ}^ĚÁV•^¦Ææ;Á;æb^ÁæÁæ;[cœ;Áææ]È	Ϊ	€hÁÚæt^å FhÁÖãæþÁ[}^	Úæ*^å
ÚŠOZÁŒÄÚ!^~^!\^åÁŠā,^ÁŒ,•¸^\Á^} æà ^•ÁÜā,*ā,*Úā,^Á Ú\^~^\^} &^Á; lÁg@Ácæaā,} EŠÔæ) •Ác@æÁā,*Ás@Á°\^] @}^Á æb^Áæ)•¸^\^åÁā^Á[ā,*Á;ā,~EQ[\EÁÇÜ^•^\ç^åDÈ	Ì	€KÁU~ FKÁU}Á	U}
ÚÔSWÚÁÓŸÄÖÙÙÁÓWVUÞÁĒÁŒÁ;æ;^^&r^¢;{ ¾ ^•Áæ Á { ^cQ åÁ;-Á;æx`] Á; @} Á;¦^••¾ *ÁÖÙÙÁ;`æ[}È	J	€xÍÖãræài ^ FxÍÖ¦[ˇ]ÁÚ38\ˇ] GxÍÖã^&cÁÚ38\ઁ]Á	Öā^&oÁÚā&\`]
ÔŠŒŒÚÁŒÔÜÒÙÙÆŒÃÔŠŒŒÁÁŒÃª¦^••È	F€	OÚÁOEåå¦^∙∙	€Ì€Ì€Ì€
$\begin{array}{c} OE \hat{O} \hat{O} \hat{D} \hat{O} \hat{D} \vee \hat{A} \hat{U} \hat{U} \hat{U} \hat{U} \hat{Q} \hat{V} \hat{A} \hat{E} \hat{A} @ \} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A} \hat{A}$		€FËŒ	F€

# Station Flexible Button Assignment (TRANS/PGM 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.

- 1. Press the [TRANS/PGM] button and dial 126.
- 2. Use the dial pad to enter a station range (Ex. 100-110). For a single station, enter the same number twice.
- 3. Dial the desired Flex button number (001-240)
- Press the desired Flex button (1-3).
  - Flex button 1: to configure button type
  - Flex button 2: to configure ring option
  - Flex button 3: to configure access mode

#### 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.

#### For Fixed Button:

Use the dial pad to select one of the following:

1: redial 6: button 7: transfer 2: speed 3: conference 8: recall 9: PTT 4: mute

5: call back

Press the [SAVE] button to store the data entered.

If a station already has the same fixed type button, an error tone is heard and the data is not saved.

```
For Station Number (DN) Button:
```

W•ā, \*ÁsiāadeļÁ, æsiĒÁ\} ♂¦Ás@ ÁÙcæeā[} Á, `{ à^¦Á[ `Á, æ); óÁs[Áæ••ā\*} È

Ú¦^••Ás@·ÁŠÜOXÒáÁs cd; }ÁqíÁsd; ¦^Ás@·ÁsææáÁ}dã\•È

 $Q\hat{h} \otimes \hat{A} \approx (-\hat{A} \cos \hat{a}) \hat{A} \times (-\hat{A$ 

#### For Dialed Number Button:

Flex Button 2 -- to configure ring option:

 $V@\dot{A}\ddot{a}^*\dot{A}_1]c\bar{a}_1\}\dot{A}_{\overline{a}}^*\dot{A}_1\}^{\hat{a}}_{\overline{b}}^*\dot{A}_$ 

€KÁS[{^åãeæ?^Álā]\* ÎKÁså^|æêÁΓÌÁs^&

FK6å^|æ̂ÁHÁ^& ÏK6å^|æ̂ÁGFÁ^&

CHÁSå^|æÂÁÀ^& ÌHÁSå^|æÂGIÁ-^&

HÁŠA^|æÂJÁA^& JÁŠA^|æÁĞİÁ^&

IKÁå^|æ ÁFGÁ\^& ÈÉÁKÁ, [Á∄]\*

ÍKÁ&^|æ ÁFÍÁ-^&

Ú¦^••Ás@ ÁŽÙŒKÒáÁs cd; }Át Átd; !^Ás@ ÁsææÁ\}dã\•È

Flex Button 3 -- to configure access mode:

OB&^••Á [å^Á;||[ •ÁØ|^¢Áà cd; }Ác]^È

ËÁ QÁØ|^¢Áa`co[}Áĉ]^Áa ÁÖØã¢^åÄÁ,¦ÁÖÕãd¢^åÁÞ`{à^¦AÊÁ^|^&Ó€Á,¦ÁFÈ

- $\stackrel{\triangle}{=}$  €  $\stackrel{\triangle}{=}$   $\stackrel$
- $\text{FEAN}_{3}$  & @e) \* ^  $\text{ae}_{1}$  | ^  $\text{KASee}_{2}$   $\text{A}_{1}$  | ^  $\text{Ae}_{2}$  /  $\text{Ae}_{3}$  \text{Ae}\_{2} \text{Ae}\_{2} \text{Ae}\_{3} \text{Ae}\_{3} \text{Ae}\_{4} \text{Ae}\_{3} \text{Ae}\_{4} \te

 $EA = QAQ/\phi Aa col} Ac ] ^Aa AAU caeal} Ar { a^!AAc@} Ar ^[^8cAEE] EA CAAQ/ Ac AAU caeal} Ar ~[^8cAEE] A CAAQ/ Ac AAU caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAAQ Caeal} Ar ~[^8cAE] EA CAA$ 

- ‴ €ÈÁO∏ ÁÔæ| KÁs@ ¦^Ása Á, [Á∧•dæ3&αã[}È
- FÈÂÛ nã n Ácc) å ÁÖ ãcc) ÁrÁn Ng accà | n Ár Ár nã n Ár | n Ácc Ár ËQ [ \ Ár @ ) Ár acc ð a \* Ár c\* [ð] \* Áscæ) Á nç n Ár Ácc Ár Ár ið a n Ár (ð ið) Ár Ár acc ð a \* Ár c\* [ð] \* Áscæ) Ár n Ár (ð ið) Ár Ár næ ð a n Ár íð a n í

Ú¦^••Ás@AÃÙOEXÒáÁs`αq[}Áq[Ánq[¦^Ás@AáæææÁn}dā^•È

### Station Number Information (TRANS/PGM 130)

In accordance with the 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 MBX IP system, the scope of station number used for Mv-DN is predefined – station bin index from 1 to 324 for MBX IP-300, from 1 to 108 for MBX IP-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 (Mv-DN) as its member.

#### To set the terminal type:

- 1. Press the [TRANS/PGM] button and dial 130.
- 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:

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.

Flex 2 -- to display station member view

# Station Number Attributes - TRANS/PGM 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 the following tables for a description of the features and the input required.

Press the [TRANS/PGM] button and dial:

131 for Station Number Attributes 1

132 for Station Number Attributes 2

133 for Station Number Attributes 3

FHIÁ; lÁÙcæaa[} ÁÞ~{ à^lÁOEcdāa~c^•Á FHIÁ; lÁÙcæaa[} ÁÞ~{ à^lÁÔŠÓÁOEcdāa~c^•

CÈ W^^Ás@Ásãæd‡ æåÁt Ár} c^¦ÁsæÁ cæðat} } Áæ) \*^ÁÇÒ¢ÀÉF€€ЁF€ŪÀÁO[¦ÁsæÁð; \*|^Ár cæðat} } ÉAr} c^¦Ás@Á •æ(^Á; {a`^¦Ás¸ã&rÈ

HÈ Ú¦^••Ás@Áå^•ã^åÁØ|^¢Áàčd[}LÁ^-A¦Áq Ás@Áq ||[ ā, \*ÁÛcæqā]}Áp~{ à^¦ÁOtc¦ãà~c^•Ásæà|^•È

IÈ W ♣ ^ Ás@ Ásiāce|Ej æå Ás[Ár} ♂ ¦Ás^ • ā ^ å ÁsiæææÁs[¦Ás@ Ásæciāā ` ♂ Ár ^ ccā] \* ÉÁr ^ ¦Ás[Ás@ Ás[||[ ¸ā] \* ÁŪcæeā] } Á Þ`{à^¦ÁCE¦lāā ` ♂ • Ásæà|^ • È

ÍÈ Ú¦^••Ás@-ÁĞÙOEXÒáÁs`α[}Áq[Ánq[¦^Ás@-ÁsæææÁn}d^È

### **Station Number Attributes I (TRANS/PGM 131)**

VÜŒÞÙÐŰÕTÁFHF	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÙVCE/OUÞÁÞCETÒÁEÉ^}æà ^•Á•^¦Á;æ{^Ár}d°ÉV@Á;æ{^ÁsaÁ åã] æ^åÁ;}Ás@ÁSÔÖÁ;ÁÖããæÁÚ@}^•	F	Tæ¢ÁrîÁ&@e∔∙	Ë
VÒÞŒÞVÁÕÜUWÚÆŒÁ]^&æ`Á¢^}æjóÁ¦[ˇ]Á[¦Árææá[}È	G	FËJÁÇT ÓÝÁQÚÁH€€D FËJÁÇT ÓÝÁQÚÁF€€D	F
$ \ddot{O} \ddot{O} \ddot{O} \dot{A} \dot{O} \dot{D} + \dot{A} \dot{O} \dot{D} \dot{D} \dot{D} \dot{A} \dot{D} \dot{A} \dot{D} \dot{A} \dot{D} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} A$	Н	FË	F
ÚCEÙÙY UÜÖÁEEÁ^•da&o ÁÔUÁÔæ ÁÖˇ¦ææá;}ÁqÁææá;}È	I	€ËFGÁåãããæ	Ë
ÓWÙŸÁŪÒÜX⑪ÔÒÆÏÄ @}ÁŊÁŨŠVÁ¢¢^}•ą;}Áœæ^{] @ÁţÁtæ)•-^¦ÁæÁÔUÁ&æ ÁţÁœÓUÁą^ÁsóæÁæ ÆÁÅ;Áœ^åÉ	ĺ	⊕Ó`•^Á( }^ FKÔæ( ]É } GHÔæ()ÁYænna HKÚā[oÁP`}c	Ó • ^ Á[ } ^
ÔPOŒĴÕÒÁTUÖÒÁŒÃ,^¦{ã•Ácæã;}Á;Á^&^ã;^Á,ā[ơ⁄@}ơÁā;*È	Î	<b>⊕Ø</b> 1^^ FKÜ^] [¦c	Ü^][¦c
ÙT ÖÜÁR ØÖÖÞÁÖØ ØYÁŒÁ^œÁŒ[}^{ [*•ÁÔæ ÁÜ^•dæ6Á^¦çæ^È	Ϊ	€lÖãr æàa ^ FkÒ} æà ^	Öã æà ^
PUVÖÒÙSÁŒÕÒÞVÁÞWTÓÒÜÁËÄ^œÁ¸æ\^Ë]Áæ̃, ^È	Ì	€ÁÚ~ FÁÚ}Á	U~
VQT ÒÁ/QĐÓŠÒÁQPÖÒÝÁËËÄ\}æà ^•Áåæãj^Á^]^ææi,*Áæþæi{È	J	FËJÆÞ[}^	}[}^

# **Station Number Attributes II (TRANS/PGM 132)**

TRANS/PGM 132	BTN	RANGE	DEFAULT
FORCED HANDSFREE ACCESS 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.	1	0: Disable 1: Enable	Disable
FORWARD ACCESS enables Call Forward to be activated by the station.	2	0: Disable 1: Enable	Enable
OFFNET FORWARD ACCESS a station must be allowed Off Net Fwd to forward external incoming calls outside the system or otherwise establish a CO-to-CO connection.	3	0: Disable 1: Enable	Enable
DND ACCESS enables DND to be activated by the station.	4	0: Disable 1: Enable	Enable
INTRUSION ACCESS enables intrusion to gain access to an active call.	5	0: Disable 1: Enable	Disable
MOBILE EXT ACCESS enables mobile extension ability.	6	0: Disable 1: Enable	Enable
HOOK FLASH MODE 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.	7	0: Flash Normal 1: Flash Ignore 2: Flash Drop 3: Hold Release	Flash Normal
AUTO PICKUP 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".	8	0: Disable 1: Enable	Disable

# Station Number Attributes III (TRANS/PGM 133)

TRANS/PGM 133	BTN	RANGE	DEFAULT
CO QUEUE ACCESS enable CO Queuing.	1	0: Disable 1: Enable	Enable
CONFERENCE ACCESS enable Conference call.	2	0: Disable 1: Enable	Enable

VÜŒÐÙÐÚŐT ÆHH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
Y CESÒÁNÚÁCEÔÔÒÙÙÁEEÄN}æàl/ÁVæà^Ë]ÁCEæk{Á-v暦^È	Н	€MáÖãaæà ^ FMáÒ}æà ^	Ò} æà ^
$ \dot{\mathbf{U}} \vee \mathbf{P} \dot{\mathbf{A}} \hat{\mathbf{O}} \dot{\mathbf{O}} \dot{\mathbf{S}} \dot{\mathbf{A}} \dot{\mathbf{O}} \dot{\mathbf{O}} \dot{\mathbf{O}} \dot{\mathbf{U}} \dot{\mathbf{A}} \dot{\mathbf{E}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \dot{\mathbf{A}} \rangle \approx   \dot{\mathbf{A}} \rangle $	I	€1ÁÖãaæà ^ FKÁÒ}æà ^	Ò} æà ^
ŒÔÞÜÁŒÔÔÒÙÙÁŒÃ}æà ^ÁŒÔÞÜÁ^æč¦^È	ĺ	€1ÁÖãa æà ^ FKÁÒ}æà ^	Öãræà∥^
O£ÓÙÒÞÔÒÁÞUVÓÔÒÁO£ÔÔÒÙÙÁËËÁY}æà ^ÁO£à•^}&^Á;[æ&^Á -^æč¦^È	Î	€1ÁÖãa æà ^ FKÁÒ}æà ^	Ò} æà ^
$ \hat{O}CIŠŠÁY CIECYÁCIEÔÔÒÙÙÁÄÄA \Rightarrow   \land A_i A_i A_i A_i A_i A_i A_i A_i A_i A_i$	Ϊ	€1ÁÖãa æà ^ FKÁÒ}æà ^	Ò} æà ^
ÔŒT ÚÁUÞÁŒÔÔÒÙÙÆŒÄ}æà ^Á&æ{]Ë;}Á^æč;'^È	Ì	€MáÖãræà ^ FMáÒ}æà ^	Ò} æà ^
XU Ô ÔÁU X Ò ÜÁTÊ Ô Ô Ù ÙÁË Á } æà  ^Áş[ & A Á; ç^¦Á A æč ¦^È	J	€1ÁÖãa æà ^ FKÁÒ}æà ^	Öãræà∥^
$XU$ $\hat{Q}$ $\hat{Q}$ $\hat{A}$ $$	F€	€MáÖãræà ^ FMáÒ}æà ^	Öãræà ^
ÚÜÒÚOEOÖÁÔOEŠŠÁNÙOEÕÒÁEËA}æà ^Á;¦^]æãákæ  È	FF	€MáÖãræà ^ FMáÒ}æà ^	Öãræà ^
SÒŸÚŒÖÁŒŒÔŒŠŒŸÁNÙŒÕÒÁŒÄN}æà ^Á^^]æåÁæ&Ąã£È	FG	€1x(Öãræà)/^ F1x(Ö)}æà ^	Öãræà ^

# Station Number Attributes IV (TRANS/PGM 134)

VÜŒÞÙÐÚÕTÆTH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙÚÒÒÖÁŒÔÔÒÙÙÆŒÃãç^•Árææã;}Ár]^^åÆãææÁáð;•Áæ&&^••Áæčc@;;ãĉÈ	F	€lÖãræà ^ FkÒ}æà ^Á	Ò} æà ^
ÚCIĐÔÁ (JEÔÔÒÙ ÚÁ (HÁ) A (A (A (A (A (A (A (A (A (A (A (A (A (	G	€l'Öãræà ^ Fl'Ò}æà ^Á	Ò} æà ^
T ÒÒVÁT ÒÁDEÔÔÒÙÙÁEÉÀ} æà ^•Á≰ ^^Ó; ^qÁ^æč;^Á; @}Á;@;^ÆiÁæÁ] æ*^È	Н	€l'Öãræà ^ Fl'Ò}æà ^Á	Ò} æà ^
$ \hat{O}CESSAOWUCEVOUPAUOÙVUCOVAEEA^•dallo AOUAO24 AO` 200$	I	€lÖãræà ^ FkÒ}æà ^Á	Öãræà ^
ÙŠVÁÓŠUÔSÁÓOЊSÁŌЊŠÁĒĖ, @}ÁæjÁÙŠVÁ\¢¢\}•ā;}Áææc\{]o-Áq Á dæ)•~\ÁædÔUÁsæ Áq ÁædÔUÁs},^Áædē Ás [&\^åÁæ)åÁæ)åÁæ@Ásæ Áa Á\ \æ•^åÈ	ĺ	€lÖãræà ^ FlÒ}æà ^Á	Öãræà ^

TRANS/PGM 134	BTN	RANGE	DEFAULT
PILOT HUNT RING permits station to receive pilot hunt ring.	6	0:Disable 1:Enable	Enable
ACR USER sets Anonymous Call Restrict service.	7	0:Off 1:On	Off
WAKE UP SET sets wake-up time.	8	HH:MM	-
WAKEUP REPEAT enables daily repeating alarm.	9	0:Off 1:On	Off
BRANCH/BRIDGE LINE 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.	10	0:Off 1:On	Off
AUTO PRIVACY enables auto privacy feature (to restrict the intrusion/call-wait/camp-on/OHVA in busy station).	11	0:Off 1:On	Off
DID DISA RESTRICTION If set to ON, incoming DID or DISA ring to DN is restricted.	12	0:Off 1:On	Off

# Station CLI Attributes (TRANS/PGM 135)

TRANS/PGM 135	BTN	RANGE	DEFAULT
CLIP DISPLAY 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.	1	0:Off 1:On	On
COLP DISPLAY 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.	2	0:Off 1:On	Off
CLI/REDIRECT 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.	3	0:CLI 1:Redirect	CLI

VÜŒ∍ÙĐÚÕTÆHÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÔŚŒJÁY PÒÞÁJVWÕUŒÕÁŒÃÔŚŒJÁÇÔæŊª; *ÁŠª, ^Á  @^} œãæææã; }ÃJ^• dæðaí; Dæð; ÁÐJÖÞÁ^¦çæVÆÁ^{ [ç^• Ásæŋª; *Á ]æċÁŒĎÁ^} œ́![{ Ác@ÁJÙVÞÁ; Ác@Ásæŋ^åÁ;æċÁ;æœÁæÁ ÜÒÙVÜŒĴVÆ;• d* &æí; }Æ; Ác@ÁJÒVWÚÁ; ^••æ* ^ÆÁæÁ; æà ^åÁ @¦^ÊÁc@Á^• c^{ Á; ¾Á^} åÁc@ÁJÒÙVÜŒĴVÆ;• d* &æí; }Æ; Ác@Á ÚÙVÞÁ; @} Æð; Á; č*[³; *ÁÐJÖÞÆæ; Æj;æå^åÈ		€KU~ FKU}Á	U~
ÔUŠÜÁY PÒÞÁŒÞÙY ÒÜÁÏÄÔUŠÜÁÇÔ[}}^&&åÄŠą^ÁŒÁÜÓ+Cª&Œį}PÁ®ÞÁÑÐÁÄÄÄÄÖÜÞÁ^{[ç^•Æ]}}^&&åÄŠą^ÁŒÁÜÓ+A^¦çæX°ĚÁ^{[ç^•Æ]}}^&&åÁ¸æĠÁØÓA •^}めÅ[{ÁœÁÜÙVÞÁĮÁœÁ&æŊą*Á¸æĠÁ¸æœÁæÄÜÒÙVÜФVÁ ą•d*&æ]}ÁÿÁœÁÔUÞÞÒÔVÁ;^••æ^ĚÁæÁ¸æÅ¸æÅ¸ÅÄÆ¦^ËÁ c@Á^•ơ^{Á¸ąJÁ^}åÁœÁ^•dæÁ¸•d*&æ]}ÁQÁ¸æŊÁÛÙVÞÁ ¸@}ÁœÆÁæææ]Áæ)•¸^¦•Áæ)ÁØÜÖÞÁæŊÈ	Í	€V~ FKU}Á	U~-
ÔŠŒÁPWTÓÒÜÁËËÁY @}Á;[cÁ^•dæc³áÁÇZŠÒÝÁÁBÁÁÁBÁÍÁÐÁÍÁÐÁÍÁÐÁÍÁÐÁÍÁÐÁÍÁÐÁÍÁÐÁÍÓÐÁ c@áÁs}d^ÁafáÁgáÁgÁgÓÁ; { à^¦Ás^}cÁgÁQÚÖÞÁBæHÁ ÙÒVWÚÁ;¦ÁÔUÞÞÒÔVÁ; ^••æt^ÁgÁ;Jææc^Á;Ás@Áicææði}Á }`{ à^¦È	Î	GI ÁS ã ão	Ë
Ô/QY Ö/ÂÔŠŒÐÜ ÒÖÖÜ ÒÔÓ VÁŒÁY @} Ás; Áş &[ { ] * ÁÑÜ ÖÞ ÁSÆH ÁS Á [ ]; æð å å Ás; Ás@ ÁÑÜ ÖÞ ÆÆH ÁN ÀÖ VVVÚÁ; ^••æ* ^ Á; Ā]Á &[ } æð å Ås; Ás; Ás; Ás; Ás; Ás; Ás; Ás; Ás; Ás; Á	Ϊ	€ÔŠQ FIŰ^åã^&c	ÔŠQ
Ø ÞUÜÒÁÔŒŠŠÒÜÁÔŠŒÜÁËÄY @ }Á^&^āç^ÁæÁ&æijÁ¸ão@ÁÔŠŒÜÁ [] qã }ÊÁB }[ ¦^Ác@ Á;] qã }Ásè åÁsãē]  æ ÁÔŒÖÈ	Ì	€KU~ FKU}	U~
TUÓ \$ ŠÒÁ ÒÝ VÒ ÞÙ QU ÞÁ Ô Š QÁE É Y @ }Á, [à ¾ Á Á ¢ ở } • ¾ }Á {æ ^ • ÁsAS æ HÉ Ô Š QÁS ÁS ^ c \ { ¾ ^ å ÁS ^ Á QAS Á, ] qá } ÈÁSE Ô æ H \ Á Þ [ÉÁSE Ô E A A A B E ÉÁSE Î E E FKT [à ¾ Â Û qæ á) Á Þ [ÉÁSE Ô æ H \ Á Þ [ÁÉÁT [à ¾ Â Ú qæ ﴿ }Á Þ [DÈ	J	€Ю̂æ∯^¦ÁÞ[ FKT[àã∱ÁĴdæÁÞ[ GHÔæ∯^¦ÁÉÁT[àã∱ÁĴdæ	Ôæ  ^¦Æ [
ŠUÞŐÁÔŠÓÁFÁÆÐÁÞÔŠÓÁS)^Á;Á;Č[ã;*ÁÔUÁB;^Á;ÁsÁ^ÓÁ;ÁFÉÁ Š[}*ÁÔŠÓÁFÁSÁ^}CÈ	F€	GIÁSaðiðað	Ë
SUÞÕÁÔŠŒŒŒŒŒÔŠŒĆ $]^{4}$ , $4$ , $6$ , $6$ , $6$ , $6$ , $6$ , $6$ , $6$ , $6$	FF	GIÁSaðiðað	Ë
SUÞŐÁÔŠŒÁHÆŒŒÓŠŒÁS]^Á;-Á;* $d$ [ $a$ ;*ÁÔUÁ $a$ ;^Áa;Áa*ÓÁ;ÁHŒÁŠ[}*ÁÔŠŒÁHÁA*ÁÀ*ÀÀ	FG	G Ásã ão	Ë
ÔŠCÁPCET ÒÁÖQÙÚŠCË ÁĒĒÁQÁS@SÁSAÁ^ÓÁĘÁUÞĒÁPæĘ^Á;æs&@åÁ ¸ão@ÍÔŠCÁ¸ā Ás^Ásã] æ^å V@SÁ^ ^&&ā}}Ás^&\{ā}^•ÁsAÁ@ÁÖãāāæAÁÚ@}^Á¸ā Ásã] æÂ ÔŠCÁ¸æ{^Á¸ão@ÍÔŠCÈ	FH	€KU~ FKU}	U~

TRANS/PGM 135	BTN	RANGE	DEFAULT
STA NO HIDDEN If this is set to ON, station number is not displayed at calling or called party LCD.  This selection determines if the Digital Phone will display Station number	14	0:Off 1:On	Off
CALL TRANSFER CLI When a STA makes transfer call, call SETUP message will contain an transferor or transferred CLI	15	0:Transferor 1:Transferred	Transferor

### Station Class of Service (TRANS/PGM 137)

All stations are assigned a Class-of-Service (COS), which determines the ability of the user to dial certain types of calls. 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 (TRANS/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.

- Press the [TRANS/PGM] button and dial 137.
- 2. Use the dial pad to enter a station range (Ex. 100-110). For a single station, enter the same number twice.
- Press desired Flex button number (1-3).
  - Flex button 1: Day COS
  - Flex button 2: Night COS
  - Flex button 3: Timed COS
- Use the dial pad to enter desired data for the Station COS, refer to the Restrictions Table below for each COS service.
- 5. Press the [SAVE] button to store the data entry.

TRANS/PGM 137	BTN	RANGE	DEFAULT
DAY COS Station's COS in Day mode.	1	00-15	1
NIGHT COS Station's COS in Night mode.	2	00-15	1
TIMED COS Station's COS in Timed mode.	3	00-15	1

STATION COS	RESTRICTIONS
€	Qi.c^\8[{ Ása} å ÁÒ{ ^\*^} & Á¸`{ à^\./\$&ad • Ása}^Ásad [, ^å ÈÁQ &[{ ā, * Ása} å Á dæ)•-^\\^å Ásad • Ásad • Ásad-Ásad [, ^åÈ
F	Þ[Á^•da8cā[}•Áse^Á[ æ&^åÁ[}Ásaæe]*È
ŒÍ	CE • 計 { ^ } o / 為 / Á æ& @ M [   Á Ò ¢ & ^ ] cā

#### **Station Auto Attributes (TRANS/PGM 138)**

FÈ Ú¦^••Ás@AÃ/ÜŒDĐŪÕTáÁàčæf}ÁsaðaÁsæðÁFHÌÈ

CÈ W^^Ás@ÁsãæḥÁjæåÁjÁjÁ°} c^¦ÁsæÁ cææāj}Áæ)\*^ÁÇÒ¢ÀÁr€€ЁF€ŒÀÁO[¦ÁsæÁj\*|^Árcææāj}ÊÁr} c^¦Ás@Á •æ(^Á,`{ à^¦Ác, 38°ÞÁ

 $H\dot{E} \dot{U}|^{-\bullet} \dot{A}_a^{\bullet} \dot{a}^{\bullet}  

ËÁ Øl^¢ÁFHÁŒ d ÁÖædhÁÖð ác

ËÁ Øl^¢ÁGHÁCE ď ÁÖædHÁÚæě•^Á/ã ^

IÈ WA^Ás@ÁsãædÁ æåÁs ÁN} c\Ás@Ás^•ã^åÁsĕ d ÁsãædÁsã ãdÉT æçÁfÎ Ásã ão Ásacæájæà|/È

ÍÈ W•^Ás@ Ásãæ þÁjæ ák[Ár}c^¦Ás@ Ásĕ d[Ásãæ þÁjæ •^Ásã, ^ÈÆÁt[Ár H∈Ár^& Ásæ;æ asāææ)|^

ÎÈ Ú¦^••Ás@ ÁÃÙOEXÒáÁs co[}Ás[Áro[¦^Ás@ ÁsaceadÁ}d^È

VÜŒ∋ÙĐÚÕT ÆHÌ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
OEWU ÁÖ ODEŠÁÖ Ő VÁEEÄÖ át áðor Á, áll Ásv Ásláækt vá Áse (f { æráðkækt) È	F	Tæ¢ÁFÎÁ&ãããe	Ë
CEWU ÁÖ ODEŠÁÚCENÙ ÒÁ (T ÒÁEÉACE (‡Ásãæ)Á, æ ◆ ^ Ásā; ^ È	G	€€ÏH€	€

#### Station Preset Call Forward (TRANS/PGM 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.

- 1. Press the [TRANS/PGM] button and dial 142.
- 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.

TRANS/PGM 142	BTN	RANGE	DEFAULT
INTERNAL UNCOND The unconditional preset forward destination of internal(intercom) call .	1	Max 32 digits	-
INTERNAL BUSY The busy preset forward destination of internal(intercom) call.	2	Max 32 digits	-
INTERNAL NO-ANSWER The no-answer preset forward destination of internal(intercom) .	3	Max 32 digits	-
EXTERNAL UNCOND The unconditional preset forward destination of external call.	4	Max 32 digits	-
EXTERNAL BUSY The busy preset forward destination of external call.	5	Max 32 digits	-
EXTERNAL NO-ANSWER The no-answer preset forward destination of external call.	6	Max 32 digits	-

#### Station Call Forward (TRANS/PGM 143)

FÈ Ú¦^••Ás@AÃVÜŒĐÙĐÚÕTáÁà cơ{}Áse}åÁsãæÞÁFIHÈ

CÈ W^^Ás@ ÁsãæpÁj æðáÁt Ár} c^¦ÁæÁr cææðij}Áæ)\*^ÁÇÒ¢ÈÁT€€ЁF€ŒÐÁZ[¦ÁæÁrðj\*|^Ár cææðij}ÊÁr}c^¦Ás@ Á •æ(^Á;~{à^¦Ác, 38x^ÈÁ

HÈ Ú¦^••Áå^•ã^åÁØ|^¢Áà cơ }Á, { à^¦ÁQFË DÊ

Ø|^¢ÁFKÁØ[¦ æ\åÁ/^]^

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Ø|^¢ÁHÁØ[¦¸æ¦åÁŒ]]|^ÁVã[^

Ø|^¢Á, KÁÔæ|ÁØ[; æ;åÁÞ[ÁŒ;•, ^;Á/ã; ^;

IÈ W+^Ás@ ÁsãædÁ, æåÁ [Ár} & ¦Ás^•ã^åÁsæææÁ; ¦Ás@ ÁOted ãa č ÉÁ^^¦Á [Ás@ Áç ||[ , ā, \*Áæà|^È

ÍÈ Ú¦^••Ás@ ÁÃÙOXÒáÁs cơ }Át Átơ ¦^Ás@ ÁsæææÁ\}d^È

	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ØUÜY ŒÜÖÁ/ŸÚÒÆÄÜ]^&&`ÆæļÁ[¦¸æåÆc]^Æ	F	€KP[0Á0E•2∄}^å FKW}&[}åããá]}æ; GKÓ*•^ HKP[Á0E;•]^¦ IKÓ*•^Á;!ÁP[Á0E;•]^;	Þ[cÁ Œ•ã}^å
ØUÜY ŒÜÖÁÞWT ÓÒÜÆËÄÜ] ^&ã-ÂÔæ∥ÁØ[¦¸æååÄÖ^∙æjææãj}Áà^Án} c^¦ð;*Ásãæ∮sã ão È	G	Tæ¢ÁHGÁ&ããæ	Ë
②UÜY ŒÜÖÁŒÚÚŠŸÁVŒ ÒÆŒÄŪ] ^ &æ`ÁÔæ ÁŒ[¦¸æååÆŒ]   ^ 為 * Á   Vã; ^Æ	Н	<b>€ICE</b> FIÖæ GKPå® HK/ā, ^å	CE I
Ô②Y ÁÞ UÁŒÐ ÙÁYT ÜÆĒÁЎ • ^ Á; ÁÞ [ÁŒ, • , ^ ; ÆÁ { ]   [^ • Áœ, Á ĈÔY ÁÞ UÁŒÐ ÙÁYT ÜŒÁ (^ ; ÈŒ, Á œæā) } Á\$ [^ • Á; [cÁ^ • ] [ } åÁ å ï j ¾ Áœ ÁŒ, ÁÇ ÁÞ UÁŒÐ ÙÁYT ÜŒÁ (^ ; ÈÁÔæ) ÆÁ Á; ; æð å åÆ, Á ( ÉÆ) æð ÁÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÔæ) ÆÐ ( ; æð ÅÖÆ) ÆÐ ( ; æð ÅÖÆ) ÆÐ ( ; æð ÅÖÆ) ÆÐ ( ; æð ÅÖÆ) ÆÐ ( ; æð ÅÆ) ÆÐ ( ; æð Æ) Æ		€Ё €€Á^&•	FÍ Á^&•
ØUÜY ŒÜÖÁÖŌÙÚŠŒŸÁĒËÔ}æà  ^•Án@ÁZ[¦¸æååÁÖā] æÂÁ U]œ[}Áq[Á&@&NÁ[¦¸æååÁş-{¦{ææ[}}ÁşÁsm ^Árææ^È	Í	€KU~ FKU}	U}

#### **Station VMIB Attribute (TRANS/PGM 145)**

V@Á[||[, ā, \*Á^æc'\^•Áæ^Aå^•ā}}^aåÁ[Áæ•ā; oÁUææā]}Áā; o\'æ&æā]}Á; ā@ÁœAKT OÓÈ

- 1. Press the [TRANS/PGM] button and dial 145.
- 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.

TRANS/PGM 145	BTN	RANGE	DEFAULT
VMIB ACCESS Permits station access to VMIB.	1	0: Disable 1: Enable	Disable
PROMPT LANGUAGE INDEX Selected language type prompt is played to the user when accessing the VMIB.	2	1-3	1
AUTO-RECORD SERVICE Determines if user can record a conversation with another user (internal/external). It can be used without two-way record button.	3	0: Disable 1: Enable	Disable
TWO WAY RECORD ACCESS When allowed, the station can activate the Two-way record feature to record a conversation.	4	0:Disable 1:Enable	Disable
TWO-WAY RECORD DEVICE 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.	5	-	VM Boards
REC-MSG BACKUP STA 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.	6	-	-
BACKUP MSG DELETE When enabled, Phontage user can delete all voice mail in VM internal boards.	7	0: Disable 1: Enable	Disable
VMIB MSG TYPE 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.	8	0: LIFO 1: FIFO	LIFO
VMIB NEW MSG NO Display the number of new messages.	9	-	-
VMIB SAVE MSG NO Display the number of saved messages.	10	-	-

## **Station Mobile Phone Attribute (TRANS/PGM 146)**

CEÁ [à ā/^Á, @ } ^Ásæ) Ás^Á•^å Ás Ás[} Ď } &cā[} Á, āc@ÁsÁÖā ãæ μÁÚ@ } ^ĒÁV@ ÁT [à ā/^Á, @ } ^Ásæ) Ásæ& Αν• Α •^•♂{ Á/^•[ˇ|&^•Ase; æāþæà|^Át[Ás@Á•^¦GÁ¸ā/åÁ, @ } ^Áse) å Á¸ā|ÁΛ&Λā; ^Áş & [{ā;\*Ásæ)|•ĒÁV@Á•^¦Á {æ Ás^Áse||[¸^å Át[Ár}æà|^Á] Át[ÁsÆT[à ā/^Áγ¢♂}•ā;}•ĒÝT[à ā/^Á, @ } ^•Áse/ÁΛ\*ã ♂¦^å Át[ÁseÁcææā;}Á ˇ•ā;\*Á;[à ā/Á, @ } ^Á, ˇ{à^¦Áse) å Á;[à ā/Á, @ } ^GÆÖŠŒÈ

FÈ Ú¦^••Ás@ ÁŽ/ÜŒDĐĐÕT ÁÁS cơ }ÁS åÁS ÃSÁFIÎÈ

CÈ W^^Ás@ÁsãædÁ; æáÁt; Ár} ♂¦ÁæÁ cææā;}Áæ)\*^ÁÇÒ¢ÀÉ<del>T €€ЁТ</del>€ШЙЙО;¦ÁæÁ āj\*|^Ár cææā;}ÊÁr}♂¦Ás@Á •æ; ^Á; { à^¦Ás; ã&^ÈÁ

HÈ W $^{h}$ Ás@ÁsãæþÁjæáÁg[Ár} $^{h}$ } $^{c}$ ¦Áj[àā $^{h}$ Ág] $^{h}$ @} $^{h}$ @AsæÁg[ÁsæÁcææá]}È IÈ Ú¦ $^{h}$ •Ás $^{h}$ AsæÁg $^{h}$ AsæÁg[ÁsæÁcææá]}È ArèAs $^{h}$ AsæÁg $^{h}$ AsæÁ

- ´ Ø|^¢ÁFKÁ^}æà,|^Á([àã1^Á\¢c^}•āl}Ásæàā1ãc°
- "Ø|^¢ÁGHÁ [àã^Á°¢c^}•ā]Á { à^!
- $^{\prime\prime}$   $\varnothing$ | $^{\wedge}$ ¢ÁHÁ [àã $^{\wedge}$ Á $^{\wedge}$ ¢¢ $^{\wedge}$ }•ã} } ÁÔŠQ

ÍÈ W•^Ás@ Ásãæ Áræá ÁrÁQJÞDÁ;¦Á€ÁQJØØDÁ;Á°}æà¦^Á;[àã^^Ár¢ơ^}•ã;}Áæàããĉ

- ÎÈ W•^Ás@^Ásãæ4ÁjæsåÁ[Án}c^¦ÁsæÁ[[àã]^Án¢c^}•ã[}Áj~{ à^¦Á
- ΪÈ W•^Ás@ ÁsiãneμÁ, ænáÁg Án} α^¦ÁnæÁ, [àãn Án¢α^}•ã[}ÁÔŠQÁ
- ÌÈ Ú¦^••Ás@∘ÁãÙOEXÒáÁs°co[}Ás[Árd;¦^Ás@∘ÁsæææÁr}d°È

VÜŒÞÙÐÚÕT ÁFI Î	ÓVÞ	ÜŒ₽ÕÒ	ÖÖØŒVŠV
TUÓ ŚŚÒÁÔÝ VÁTÁÔ ÞOEÓ ŠÒÁĒËÔ}æà  ^•Á([à ã^ Án¢ơ)}•ã[}Á æàāããÈ	F	€ÁÚ~ FKÁÚ}Á	U~
TUÓSŠÒÁÔÝVÁFÁÞWTÓÔÜÁĒÄT[àã^Ár¢ơ}•ã;}Á,~{à^¦È	G	TæçÁGIÁsåããe	Ë
TUÓSŠÒÁÒÝVÁFÁÔŠŒŒÄT[àã^Ár¢c^}•ã;}ÁÔŠŒÁ;*{à^¦È	Н	Tæ¢ÁGIÁsaðãæ•	Ë
T U Ó ŚŚ ÒÁ ÒÝ VÁ GÁ ÒÞ Œ Ó Ś ÒÁ ÏΞÁ Ò} æà   ^ • Á Ù ^ & [ à ẩ ^ Á	I	€KÁÚ~ FKÁÚ}Á	U~
T U Ó SSÒÁ ÒÝ VÁGÁP WT Ó ÒÜÁ ËÄÛ^8[} åÁT[à ¾ Á ¢¢) • ¾} Á } ~{ à^¦È	ĺ	Tæ¢ÁGIÁ&åããæ	Ë
TUÓSŠÒÁÒÝVÁGÁÔŠŒÄÄÜ^&[}åÁT[àÃ;^Á\¢¢\}•A[}ÁÔŠŒÁ }~{à^¦È	Î	Tæ¢ÁGIÁ&åããæ	Ë
TUÓSŠÒÁÙÒÜXÓDÓÁTUÖÒÁÏÏÄÛ^ ^86ÁT[à¾^ÁÛ^¦çã&^ÁT[å^È	Ϊ	€1Á00∏ÁÔæ   F1Á0∪^¦çæ30ÁÔŠOÁU} ^	CEJÁÔæJ
TUÓSSÒÁUÒÜXOÔÒÁÔSOÁFÁËËÔSOÁFÁĮ¦ÁT[àãA^ÂU^¦çã&AÈ	Ì	Tæ¢ÁGIÁsåããæ•	Ë
TUÓSŠÒÁÙÒÜXÓDÒÁÔŠÓGÁËŽÔŠÓGG{¦ÁT[àðpÁÛ^¦çæ^È	J	Tæ¢ÁGIÁsåããe•	Ë
TUÓSSÒÁJÒÜXOÓÒÁÔŠOÁHÁËŽÔŠOÁH{¦ÁT[à¾ÁJ^¦ç&A^È	F€	Tæ¢ÁGIÁsaðãe	Ë

TRANS/PGM 146	BTN	RANGE	DEFAULT
MOBILE SERVICE CLI 4 CLI 4for Mobile Service.	11	Max 24 digits	-
MOBILE SERVICE CLI 5 CLI 5for Mobile Service.	12	Max 24 digits	-

#### CO/IP Group Access (TRANS/PGM 150)

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

- 1. Press the [TRANS/PGM] button and dial 150.
- 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
- 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.

## **Internal Page Group Access (TRANS/PGM 151)**

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

- 1. Press the [TRANS/PGM] button and dial 151.
- 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
- 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.

#### Command Group Access (TRANS/PGM 152)

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- CÈ W^^Ás@ ÁsãædÁ, æsáÁt Ár} cº¦ÁæÁ cæeāt} Áæ) \*^ÁÇÒ¢ÈÁF€€ЁF€ŒЙÁZ[¦ÁæÁ āj\*|^Ár cæeāt} ĚÁr} cº¦Ás@ Á •æt ^Á; { à^¦Ás, ã&^ÈÁ
- $\begin{array}{lll} \textbf{HE} & V @ \acute{A} \vec{a} \bullet o \acute{A} \vec{b} = \acute{A} \vec{O} \land o \acute{A} \vec{b} & \vec{a} \vec{b} &$ 
  - ŠÒÖÁUÞKÁ•cæcā[}Á:•^Á&[{ @àåÁ&æ|Át¦[`]
  - ŠÒÖÁUØØKÁ @@@[}Á&[^•Á,[oÁ•^Á&[{ @}åÁ&@|Á;|[\*]
- IÈ Ú¦^••Áx@ ÁÃÙOEKÒÁÁà cd; }Áq Ánd; ¦^Áx@ ÁÔ[{{ æ} åÁ; |[ĭ] ÁåæææÈ

#### CO LINE DATA - TRANS/PGM 160-181

#### CO Attribute I, II, III - TRANS/PGM 160-162

ÔU ÁOEcd ãã \* ơ • Ás ^ -a] ^ Áş æbá (\* • Ás @eb æs ơ \ ã cas • Ás - Ás @ ÁÔU Áa] ^ • Á \ å ^ \ Ás ( ) d [ |Ás - Ás @ Á ^ • ơ \ ÈÁ FÈ Ú | ^ • • Ás @ ÁS / ÜOEÞ Ù ĐÚ Õ T ÁS \* od \ Ás à å Šã ãæk K

- FÎ €ÁަÁÔUĐĐÚÁŒcciãa ˇ c^•ÁQ
- FÎ FÁ[¦ÁÔUĐĐÚÁĐĒcdãà c^•ÁQQ
- FÎ GÁ( ¦ÁÔU ĐỐU ÁO EC âa ° c^ ÁOODÈ
- CÈ W^^Ás@ÁsãæÁ, æåÁt Ár} c'¦ÁæÁÔUÁŠã, ^Áæ) \*^ÈÁRZ[¦ÁæÁ, ā, \* |^ÁÔUÁŠã, ^ÊAr} c'¦Ás@Áæ; ^Á, \* { à^¦Á c¸ãx^ÈÁRZ[¦ÁT ÓÝÁQÚË+€€ÉÁx&&^] œà|^Áæ) \*^Ás Á€FË €ÉÁ;¦ÁT ÓÝÁQÚË+€€ÉÁx@Áx&&^] œà|^Áæ) \*^Á ã Á€FËC! €È
- HÈ Ú¦^••ÁØ|^¢Áa`œ[}Á[Áxæ&&^••Áa^•āl^åÁ[^}`ÉÄÜ^-△¦Áq Á/ÜŒĐÙĐÚÕTÁF΀ËFÎGÁxæà|^•Áa^|[¸Á -{¦Áxæ&@Áxædãa`¢^È
- IÈ W• ^ Ás@ Ásãæ þÁj æ á Ág Ás@æ) \* ^ Ás@ Áçæ † ^ È
- ÍÈ Ú¦^••Ás@∘ÁŠÙOEXÒáÁsičα{}Áq[Ánd[¦^Ás@∘Á&@æn}\*^åÁsaææænÈ

## CO Attributes I (TRANS/PGM 160)

TRANS/PGM 160	BTN	RANGE	DEFAULT
CO TYPE Displays physical line type of selected CO line.	1	Display Only	-
SVC TYPE Set CO line type as DID or Normal.	2	0: Normal 1: DID	Normal
OUTGOING GRP NO Set CO Group Number to apply to outgoing calls.	3	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01
INCOMING GRP NO Set CO Group Number to apply to incoming calls.	4	01-72, none (MBX IP-300) 01-24, none (MBX IP-100)	01
TENANT NO Set Tenant group number to apply to CO lines.	5	1-9 (MBX IP-300) 1-3 (MBX IP-100)	1
DGT CONVERT TBL Set Digit Conversion Table index.	6	1-9	2
SIGNAL TYPE Set Answer Signal Type.	7	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	No Signal
RLS TIMING 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.	8	0: First Release 1: Caller Release 2: Called Release	First RLS
INC/OUT MODE Each CO lines can be set to only incoming call is allowed or outgoing is allowed only.	9	0: Incoming Only 1: Outgoing Only 2: Allow Both	Both
DIALING TYPE Signal type can be selected; DTMF, Pulse, R2MFC.	10	0: DTMF 1: PULSE 2: R2	DTMF

VÜŒĐÙĐÚÕTÁF΀	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÔP CŒÜÕÒÁT UÖÒÁŒÄQÁ©ÜÒҌé Á\¢¢\} æþÁsæþÁ cQ`* @ÁÔUÁJÀ^ÁsA,[ ơÁ; JJ & åÐ æç^åÁ[ ÁÙT ÖÜÁ ^ç^} ÁcQ`* @ÁÙT ÖÜÁsA^} æà ^åÈ QÁÜÒÚUÜVŒÃ© Á\¢¢\;} æþÁsæþÁsQ`* @ÁÔUÉJJA^Á ã ÁJ & `å^åÁ[ ÁÙT ÖÜÁs&&Z[¦åJ * Á[ Ás@ÁÙT ÖÜÁ CŒGÃ * Ở•È		€MÁØI^^ FMÁÜ^][¦c	Ü^][¦c
T ÒVÒÜ Œ ÕÁ ŸÚÒÁĬĬŒS&   åā, *Áţ ÁÚÙVÞÁ  •^¦çãX^Ŕ;]^Æ, ^ơ;ā, *Æ;]^Æ& A;A^A;^&&åÁ æ; [}*Á=EÏFGÁţ Á; æ) æ*^ÆæHÆ;@&*^ÈEFÏEĨ Á &æ) Æ;^Æ;] æ*åÆ;ÆÖÛUÁB,^•ÆEÏ ÏFGÆ;æ) Æ;^Á æ]] æ*åÆ;ÆÒÜÖÞÁB,^•Ê	FG	€€MÁP[}^ €FMÁTGSP: €CHÁTÂTÎ SP: €HÁTÊSP: €HÁTÊSP: €IMÂTÊSP: €IMÂTÛÜ €IMÂTÛÜ €IMÂTÛÜ €IMÂTÛÜ €IMÂTÛĞATÂTÂTÂTÎ ÆĞÎD €IMÂTÊUÔÁTÂTÂTÂTÎ ÆĞÎD FEMÂTÊUÔÁTÂTÂTÎ ÆĞÎD FFMÂTÊUÔÁTÂTÂTÎ ÆĞÎD FFMÂTÊUÔÁTÂTÎ ÂTÂTÎ ÆĞÎD FFMÂTÊUÔÁTÂTÎ ÂTÂTÎ A	Þ[}^

# CO Attributes II (TRANS/PGM 161)

VÜŒÞÙÐÚÕTÁFÎ F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÔUÁ ÙÒÜ X ၹÓÒÁT U ÖÒÁËÄÖ^ ៚ ¦{ ¾ ^ • ÆAÙ ÓUÐÚÜ ŒÉR ÈHGHÐÖÜ ÓA [¦ÁÛ • ª Æ Á ^   ^ & & å Á; ¦Á æ&@ÁX U ÓU Q; ¦ÁÑUÖ Þ DÁ¾ ^ • È	F	FKÁUQÚÐÚÜQ GKÁPÈHGH HKÁÚ•ª IKÁVFÁÚÜQ ÍKÁVFÁÚ•ª	ÙŒŒÛÜQ
ÖÜUÚÁ/ŸÚÒÆŒŠÔUÆĄ^Æ;[]Æ;]^È	G	€KŐ[] FKŰ[ ækãã ÁÜ^ç^¦•^	Š[[]
ØŠŒÙPÁYŸÚÒÄËËŠÔUÁBJ^ÁØJæ ØÁS]^È	Н	<b>€</b> Š[[] FЮ̃¦[ˇ}å	Š[[]
ØŠŒÙPÁ/TÜÄËÄÔUÁØ æ@ÁVã  ^¦È	I	€€FËH€€	€Í€
UÚÒÞÆUUÚÁ/T ÜÆŒU]^}Æ[[]Á/ā[^¦È	ĺ	€€ËŒÁ ÇF€€{•Áàæ^D	€€

TRANS/PGM 161	BTN	RANGE	DEFAULT
LINE LENGTH LCO line length.	6	0: 0km 1: 3km 2: 5km 3: 7km	0km
ZONE NO Zone number of CO lines.	7	1-9	1
PROMPT LANGUAGE VMIB Prompt Index.	8	1-3	1
GAIN TABLE IDX Determines Gain Table for CO line.	9	1-3	1

# CO Attributes III (TRANS/PGM 162)

TRANS/PGM 162	BTN	RANGE	DEFAULT
CO ACCESS MODE CO lines can be set to blocked, or CO line or Dedicated line.	1	0: Blocked Line 1: Normal CO Line 2: Dedicated Line	Normal CO Line
DIGIT SENDING MODE CO lines can be set to send digit with overlap or enblock method.	2	0:Overlap 1:Enblock	Overlap
MAX DGT LEN Number of dialed digits can be limited.	3	00-32	32
OVERLAP MIN DGT LEN Number of minimum digits can be limited for overlap dialing.	4	00-32	00
CHECK PASSWORD Reserved for Password. Password can be requested when the CO line is seized.	5	0: Off 1: On	Off
R2 CONNECT MODE R2 line connection mode.	6	0: End-to End 1: Link-by-Link	End-to End
R2MFC BACKWARD VAL R2MFC Backward Value.	7	01-15	01
DUMMY DIAL TONE When CO line is seized, dummy dial tone can be provided for in case if PSTN does not provide it	8	0: Off 1: On	Off
T1 NORMAL MODE Determines if Loop or Ground is selected for each T1 Digital lines.	9	0: Loop 1: Ground	Loop
T1 DID MODE Determines if IMM, Wink, Delay Wink is selected for each T1 DID lines	10	0: Immediate 1: Wink 2: Delay Wink	Wink

#### CO CID Attributes (TRANS/PGM 163)

ÔŒÁŒŒã° c^•Áæ^Áæ•ã} \^åÁǦÁŒ;æ[\*ÁÛUÁŠã;^ÁÔŒÁ^\;çãX^•È

FÈ Ú¦^••Ás@AÃVÜŒDĐÙĐÚÕTáÁàčæ[}Ásp}åÁåãæþÁFÎHÈ

CÈ Wh^Ác@ÁsãæhÁsæhÁsæhÁsæhÁsæhÁsæhÁsæhÁæh $^*$ AÁæ $^*$ AÆ $^*$ EFÜ:

HÈ Ú¦^••Ác@ Ás^•ã^åÁØ|^¢Ás cd } LÁ^-^¦Ág ÁØ| ||[ ā \* Á/æà|^

IÈ Wh^Ás@ ÁsãædÁ, æsåÁfÁ) c^¦Ás^•ã^åÁsæææÁ; ¦Ás@ ÁOÆdãà c^È

ÍÈ Ú¦^∙∙Ás@ ÁÃÙOEXÒáÁs og }Ág Árd;¦^Ás@ ÁsaææÁn}d^È

VÜŒÞÙÐÚÕT ÁFÎ H	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÔΦÁTUÖÒÁÄÄÔΦÁª} ΦÁ\$]^Á&æ}Áà^Á敪ª}^å}^åÁæ&&[¦åã;*ÁṭÁ c@ÁÔΦÁ\$]^ÁÚÙVÞÁ;¦[çãã^•È	F	ĐÁÔã æà ^å FÁØÙS GÁÖVŒÙÁØÙS HÁÖVTØ I KÁÜËÔØÖ	Öãræà ^å
ÜÔØÁÖÒVÒÔVÁŒŰ¸••ãæÔØÁÖ^&&ÁT [å^È	G	€KÁŠ[&æ‡ FKÁCE[	Œ
ÜÔŌÁÜÒÛWÒÙVÆŒÜŬ••æÓŌŌÁÜ^ˇ^•œT[å^È	Н	€AÁW•^¦ FKÁCE([	Œ₫
ÜÔØÄÖŐVÁÞWTÓÒÜÆÄÄܡ••ãæÁÔØÄÖð ãæÁÞˇ{à^¦È	I	<b>€</b>	€Ï
ÜÔŌÓÁÐUÁŒÐÙÁYTÜÆËÄܡ••ãæÓÔŌÓÁÐ[ËŒ;•¸^¦ÁÆ;^¦È	ĺ	€€FËH€€	€Œ
ÜÔΦÄÜÒÛÁÔUWÞVÆÄܡ••ãÆÔΦÄÜ^ˇ^•αÔ[ˇ}È	Î	FËH	F
ÜÔØÁØÜÙVĒÖĒÄÜ*••ãæÁÔØÁØã•óЮ^ æÁðā, ^¦È	Ϊ	€F€ÏFÍ €ÁÇF€{ •^&D	€HÏ
ÜÔĠĬÁÜÒÛÁÜÒVÜŸĒÖÁĒÄۡ••ãæÓĠŎÁÜ^d^Á/ą́ ^¦È	Ì	F€ÏH€ÁÇF€( •^&D	F€

#### CO Incoming Attribute I, II - TRANS/PGM 165-166

FÈ Ú¦^••Ás@·ÁŽVÜŒDĐŮĐÚÕTáÁàč cd; }Ása) åÁåãædÁFÎÎÈ

CÈ Wh^Ác@ÁsãæhÁ; æåÁs $[A^*]$  &\ÁæÁÔUÁŠā; ^Áæ) \*^ÈÁZ $[A^*]$  \ÁÖUÁŠā; ^ÊA\& \AÖŪÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖUÁŠā; ^ÊA\& \AÖÛÁŠ

HÈ Ú¦^••ÁØ|^¢Áa`œ[}Áq[Áæ&&^••Áa^•ā^åÁq ^}`ÈÄÜ^-^¦Áq[ÁœAq ||[],ā]\*Áæà|^Áq;Áræ&@Áædāa`œÈ

IÈ W•^Ás@ Ásiãæd,ÁjæåÁ[Á&@æ)\*^Ás@ Áşæ)`^È

#### 5. Press the [SAVE] button to store the changed data.

## **CO Incoming Attributes I (TRANS/PGM 165)**

TRANS/PGM 165	BTN	RANGE	DEFAULT
NAME incoming CO line name can be assigned.	1	Max 16 chars	-
SCREEN INDICATOR determines if screen indicator will be inserted in ISDN messages.	2	0: Off (user-provided, not screened) 1: On (user-provided, verified and passed)	Off
CALLING TYPE 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.	3	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	Subscriber
CALLING NUM PLAN select connected number plan of ISDN CONNECT message.	4	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
SEND PROGRESS IND if this feature is set to ALL, Progress Indicator is sent to the ISDN PSTN about All Message.  If this feature is set to ALERTING, Progress Indicator is sent to the ISDN PSTN about Alerting Message.	5	0 : NO 1: ALL 2: ALERTING	NO
R2 ANI SVC REQ if this feature is set to ON to R2 line, system request ANI digits (CLI data) to the calling party.	6	0: Off 1: On	Off
ICLID SERVICE if this feature is set to ON, incoming call is routed according to ICLID Table(TRANS/PGM 262)	7	0: Off 1: On	Off
OWN CODE TO TRANSIT CLI if this feature is set to ON, original caller's CLI is sent when there is transit call.	8	0: Off 1: On	Off
OWN CODE Own Code.	9	Max 16 digits	-
CLI PREFIX CODE prefix code is inserted ahead of received CLI data according to call type.	10	Max 2 digits	-

VÜŒD-ÙĐÚÕTÁRÎÍ	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
© VÒÜÞŒVOUÞŒŠÁÔUÖÒÁËŽÓQ¢¦}ææãj}æáÔ[å^ÆáÁ ã•^¦¢åÁæ@æåÁjÁÁ^&^ãç^åÁÔŠŒåææÁæ&& ¦åãj*ÁqÁ&æd Á ĉ]^È	FF	Tæ¢ÁnÁsaªãe	Ë
VÜCEÞÙQVÁÔŠÓÁFÁEÐÁÁÁ; æ) • ã ÁÔŠÓÁSÍ ] ^ Á; -Á; * & [ ā; * ÁÔU Á; AÁ ã Á ^ OÁ[ÁFÊÁ; æ) • ã ÁÔŠÓÁFÁSÁ Á; >} dÈ	FG	Tæ¢ÁGIÁ&åããæ	Ë
VÜCEÞÙOVÁÔŠÓÁGÁEÐÁÁÁ¦æ)•ãÁÔŠÓÁS]^Á;-Á;*¢[ā]*ÁÔUÁA]^Á ãÁ^OÁ(ÁÐÁÁ¦æ)•ãÁÔŠÓÁÐÁÁÁ^A}dÈ	FH	Tæ¢ÁGIÁååããe	Ë
VÜCEÞÙOVÁÔŠÓÁHÁŒÁÁÁ¦æ)•ãÁÔŠÓÁS]^Á;-Á;*&[ā]*ÁÔUÁA}^Á ãÁ^OÁ(Á÷ÉÁV;æ)•ãÁÔŠÓÁHÁÁÁ^A}dÈ	FI	Tæ¢ÁGIÁåããæ	Ë
ÔŠŒĴUÞXÁVŒÓŠÒÆĒÏÔŠŒĴÕ[}ç^\•¶}Áæà ^ÆĴå^¢È	FÍ	FË	F
PUŠCÖCËYÁÜCÞŐÁDÞÖÒÝÁĒËÁÁJ;*Á;[å^ÁsAQ ãáæíÁs)åÁs@áÁ ãÁse•ã}^åBÁs)Ág&[{];*Ásæ ÁsÁJ;*Ó;Čo@Ás^•Œjæaqī}Á [ÁQ ãáæíÁsæ c;}æaqç^ÁJ;*Ágå^¢È	FÎ	€Fİİ €ÂĞÞ[ ØĞŒ*	}[}^

# **CO Incoming Attributes II (TRANS/PGM 166)**

VÜŒD-ÙÐÐŰŌTÁRÎÎ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÚÜUX ØÖÒÄÖ ØÐŠÁ/UÞÒÁŒÄGÁs@ā Á^æč¦^Æā Ár^óÁţÁJÞÊåãæþÁţ}^Á ã Á;¦[çãã^åÁţÁ,^ç, [¦\ã]*ÁÔUÈ	F	€KÁU~ FKÁU}	U~-
ÓŠØÁNÙŒÕÒÄŒÄQÁs@āÁ>æč¦^ÆāÁ\^óÁţÁUÞÊÁ\^¢Áàčα[}ÆŠÒÖÁ¸āļÁà^Á;#@	G	€KÁU~ FKÁU}	U}
\\(WP\\U\U\delta\O\text{D\text{D\text{D\text{A\text{O\text{A\text{O\text{A\text{O\text{A\text{D\text{A\text{D\text{A\tex{A\text{A\text{A\text{A\text{A\text{A\text{A\text{A\text{A\text{A	Н	€AÍÖãr æài ^ FKÁÒ} æài ^	Öãræà ^
ÓŠUÔSÁDÞÁŌŠÜØYÖÁNTÜÁEÐÁÐÁÐÁÐÁÁÐÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁ	I	€KÁU~ FKÁU}	U~-
ÔÚVÁÖÒVÒÔVÁŒÄQÁs@A^xæč¦^ÁaÁ^AÁ[ÁUÞÉÖŒ Á;¦[&^••ā]*Á q[}^ÁaÁa^«&&^åÁq[Áaã&[}}^&&ÄSÔUÁā}^È	ĺ	€KÁU~ FKÁU}	U}
OĐĐÙY ÒÜÁY CHEN/OÞŐ ÁÔCHŠŠÁHĒÁQÁGŒA ÁYæĕ¦^ÁBAÁ^ÓÁ[ÁUÞĒÁ^•♂{Á •^}å•Áæ}•, ^¦Á, @}Á&æ ÁBAÁ]æã^åÈ	Î	€KÁU~ FKÁU}	U~-
WÞOXÒÜÙCBŠÁOÐÐÙY ÒÜÁÐÐÁGÐÁGÐÁAÐA Á^æð¦^Áa^ÓA[ÁUÞÐÐA)^Á • cæðā]}Á[ÁЕ]•, ^¦ÁndAe)Á∮Á}Án@ÁÖUÁSā]^Áa^ÁaðAe);*Án@ÁN}āç^¦•æþÁ OÐ;•, ^¦Á^æð¦^ÁN] å^È	Ï	€ÁU~ FKÁU}	U~-
ÜŠÙÁÕWŒÜÖÁ∕ŒŢÒÁĒËĞAÔUÁ^ ^æ•^Áā}æij*ÁēÁ,[ơ섫[{] ^♂åÁ •`&&^••~∥^ÊŔÔUÁ;;^Æáãæí&[}}^&♂åÁ;@}Áij~¦Ár¢]ā^•È	Ì	€€ËÍÁĢ^&D	€F

TRANS/PGM 166	BTN	RANGE	DEFAULT
UNSUP CONF TIMER 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.	9	000-255 (min)	000
WAIT CLRFWD TIME Clear Forward Waiting Time.	10	001-300 (sec)	300
MAX RING TIME Max. Ring Time for when incoming CO calls are transferred/recalled.	11	015-300 (sec)	120
DISA SUPERVISION TMR DISA Supervision Timer.	12	1-9 (sec)	2
VMIB PLAY DELAY TMR Determines the amount of time paused before playing VMIB announcement.	13	0-9 (sec)	0
INCOMING TIME TABLE The time Table index to be applied to incoming CO Call.	14	1-9, none	none
CO DELAY ANSWER TMR For Incoming calls on the ISDN Line, this parameter defines the delay time between Alerting and Connect Message.	15	0-100 (100msec)	0
OFFNET FWD USAGE ISDN lines can be set to use Call Deflection/Call Rerouting service if PSTN supports these feature.	16	0:Join 1:Call Deflection 2:Call Rerouting	Join

## CO Ring Assignment (TRANS/PGM 167)

Each CO line is assigned to stations or a 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 a delayed station. If 'DISA Tone Service' feature code is assigned, DISA service is activated at the CO line.

- Press the [TRANS/PGM] button and dial 167.
- Use the dial pad to enter a CO line range. For a single CO Line, enter the same number twice. For MBX IP-100, acceptable range is 01-80, for MBX IP-300, the acceptable range is 001-240
- 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.

VÜŒD-ÙÐÚÕTÁFÎÏ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙÒÜX ÓÒÒÁ Y ÚÒÁ EÁGÁ ^ ¦ç 58 ^ Ác ] ^ Ás Ár ^ Ó As Æ ÁS ÉAÉ EÁ ¦ā; * Á; ] cā; } Ás Ás } ]   à å Á; Áā; * Ás • ê ∄; ^ å Ár cæā; } • È U c@; } ā ^ ÉÁSÁ ^ ¦ç 38 ^ Ác ] ^ Ás Ár ^ cá; Án ÉÁr æc ¦ ^ Ás[ å ^ Á ã Ás Bácāç æc å Á; } Ás; & [ { ā; * Ás ea  È		⊕ κίσ⊒ ÁÜ ∄ * F κίσ 26 • σία   ^ G κίΘ ἄ & ΄   25 • Η κίσ ^ 26 •   ^ ΑΘ [ å ^	ŒĮÄÜĄ *
ØÒO\$\\ÜÒÁÔUÖÒÁĒŒĀÛ\¦çæ\Ác]^Ána Á\^ÓA[Á Ø^æc¦^ÁO[å^Ána)åÁçæ\æAé^æc¦^Ánglå^Æná æ•ā}}^åĒ\$@}Ánæ•ā}}^åÁ^æc'i^ÆnÁna@ac^áná ¸@}Áo@!^ÆnÁna}Æn &n &l { a]*Ána@e ÞUVÒKÆV`æc'!^ÁO[å^ÆnÁ,[oÁna]] ð\åÁn{Á^¦[čo\åÁ &æk]•È	G	Xayaa Áz^aec ¦^ÁÔ[ å^Á Ç^A¦Áq Á VÜCEÞÙBÚÕTÁFFÍ D	Ë
ØÒŒWÜÒÁÖÒŠŒŸÁŒÄQÀÙ^¦çæ&^Ác]^ÁsaÁn^cÁqÁ Ø^æč¦^Ásq[å^Ê\$m\$&æ)Ásn^Ásn æê^åÈ	Н	€€ÏH€	€
F€ÉÁÇĒDÁÜÉÓE• āt}^åÁn cænā[}Ána;åÁnā^ æÁçæ;*^Á&æ;Á à^Ánaā] æ^åĚÁN[ *{ ^ÁN]EÖ[;}Án^Ána;Á•^åÁ[Á •& [ ÁnænætÈ	I	Ë	Ë
TÒTÓÒÜÁŒÜÙŒĎÞÁŒÁŢÁ&@æ)*^Áxææā;}©Áā;*Á敪*∄}Áææ;*^ĔÁÇTæ¢Á æ••ā}Áxæē;•ÉÁ\}&\Ás^•ā^åÁxææā;}Áæ;*^ĔÁÇTæ¢Á H€Áxææā;}•ÁsA;Ás^Áæ••ā;}^åD	ĺ	Ù czełoń $\hat{U}$ czecą $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$	Ë
ÖÒŠOEŸÁEÄÖ) ơ¦Áà/læíÁşæţ ^LÆbÁà/læíÁşætā) Á ¸ allÁrædoÁtÁā * Át { ^åææv  PĚÓAà/læíÁşæt ^ÆbÁ å^ ^ởåÊó@Áræætā} } Á, allÁ [ cÁā * È U c@¦¸ ā ^ÆbÁs  æíÆrÁEÉE&@Áræætā } Á, allÁrædoÁtÁ lā *Áææv¦Ás ^ æíÁæã ^ ÇHÁa; ^•Á; ^æíÁpæðÁşæð* ^ D	ÍË	€.	Ùcaafr—∈Áqú[¦déEDMa^ æíÆ Uco@¦•Máy[dáæ•aî}^å

## **Incoming CO Normal/DISA Attributes (TRANS/PGM 168)**

QÁc@ ÁÔU ÁÃ; ^Án Án ^ÓA[ÁÞ[¦{æþÁc]^ÉÁnÁsæ) Á@æç^Á;[¦{æþÁÔU ÁOEcdānč c^•Áā;84]čåā;\*ÁÖQÙOÆA^¦çã&^Á []cāi}È

FÈ Ú¦^••Ás@AÃVÜŒÞÙÐÚÕTæÁs`cq[}Ása)åÁsãæþÁrÎÌÈ

CÈ Wh^Ác@ ÁsiācḥÁ; aàÁt Ár} ch!ÁccÁÔUÁÃ; ^Áæ; \* ^ÈÁZ | 'ÁscÁ ¾ \* | ^ÁÔUÁо ^ÊAr} ch!Ác@ Áræ; ^Á; { à^!Á c; \$\$\`BÁZ | 'ÁT ÓÝÁÐÜËTEEÐÁS® Ásc&Ar] cæà| ^Áæ; \* ^Ás ÁETË €ÐÁ; 'ÁT ÓÝÁÐÜËTEEÐÁS® Ásc&Ar] cæà| ^Áæ; \* ^Á ãrÆETËCI €

IÈ W•^Ás@ Ásãæ þÁjæ á Ág Ár} ♂¦Ás^•ã^å Ásææ Ág¦Ás@ ÁOEcdãa č°È

ÍÈ Ú¦^••Ás@ ÁÃUOEXÒáÁa \* α[}Áq[Áq[¦^Ás@ ÁaæææÁn}d^È

TRANS/PGM 168	BTN	RANGE	DEFAULT
CO ACCESS FROM DISA If this feature is set to ON, CO to CO call can be made from DISA line.	1	0: Off 1: On	Off
DISA TO CO PASSWORD When making CO-to-CO call from DISA line, password can be requested.	2	0: Off 1: On	Off
DISA RETRY COUNT When DISA call is failed to route desired destination, the call can be retried as much as Retry Count.	3	1-9	3
PRESET FORWARD TIME If the CO is not answered in Preset Forward Time, it will be routed to assigned ring Table.	4	00-20 (sec)	00
PRESET FWD RING TEL Preset Forward ring Table index can be assigned. (Refer to TRANS/PGM 181)	5	01-80	-

#### **CO Incoming Alternate Destination (TRANS/PGM 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.

- 1. Press the [TRANS/PGM] button and dial 169.
- 2. Use the dial pad to enter a CO line range. For a single CO Line, enter the same number twice. For MBX IP-100, acceptable range is 01-80, for MBX IP-300, the acceptable range is 001-240
- 3. Select Day mode and Dial Error Type; refer to Following Table.
- 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.

VÜŒĐÙĐÚÕT ÁRÎ J	ÓVÞ	ÜŒÞÕÒ	V <b>ŽVE</b> OQÓÖ				
Q,&[{ ]} * ÁÔU ÁŒ[A^ ;} æææēg;^ ÖŒŸÁĒĒÁ	F	ØCHÁÞ[ÁŌĒ,•¸^¦ ØHÁÓQ,çæháða ØIHÁÚ¦æ)•^\¦ÁÞ[ÁŌĒ,•¸^¦ ØÍHÁÚ¦^&æhlÁÞ[ÁŌĒ•¸^¦	ØCHÁP[ÁOE,•¸^¦ ØHÁOQ,¢æþäñ ØIKÁV¦æ)•∞¦ÁP[ÁOE,•¸^¦				Öã &[ } } ^ &c FÁ ^ &
ÞŐPVÆÄ	G			Öã-8[}}^&c FÁ-^&			
VQ ÒÖÁŒÁ	Н		Öã &[ } } ^&c FÁ^&				

## CO Outgoing Attributes I (TRANS/PGM 170)

FÈ Ú¦^••Ás@ ÁŽ/ÜŒĐÙĐÚÕT áÁs  $\alpha$ {} Ása} åÁsãæ¢K

FÏ €Á[¦ÁÔUÁUˇ♂[ã,\*ÁŒdãaˇ♂•ÁQ

FÏ FÁĮ ¦ÁÔUÁUˇ & [ã] \* ÁŒcdãaˇ e^•ÁŒQ

CÈ W^^Ás@ÁsãæÁ, æåÁt Ár} c'¦ÁæÁÔUÁŠã, ^Áæ) \*^ÈÁQ[¦ÁæÁ; ā, \* |^ÁÔUÁŠã, ^ÊAr} c'¦Ás@Áæ; ^Á, \* { à^¦Á c¸ãx^ÈÁQ[¦ÁTÓÝÁQÚË+€€ÉÁx&&^]æà|^Áæ) \*^ÁsÁ€FË €ÉÁ;¦ÁTÓÝÁQÚË+€€ÉÁx@Áx&&^]æà|^Áæ) \*^Á ã Á€FËC; €È

HÈ Ú¦^••ÁØ]^¢Áà cơ }Á¢ Áœ&&^••Áà^•ā^åÁ; ^} řÁÜ^-A¦Á¢ Áœ@Á; ||[ ā, \*Á/æà|^Á; ¦Áræ&@Áæædãà c^•È

IÈ W^^Ás@^ÁsãædÁjæsåÁ[Ás@æ)\*^Ás@^Áçæd\*^È

ÍÈ Ú¦^••Ás@ ÁÃÚCEX ÒáÁa ઁ cq[}Áq[Á~dq[\^Ás@ Á&@æ)\*^åÁåæææÈ

TRANS/PGM 170	BTN	RANGE	DEFAULT
SCREEN INDICATOR Determines if screen indicator is used in ISDN message.	1	0: Off (user-provided, not screened) 1: On (user-provided, verified and passed)	Off
SENDING CALLER NO Sending Caller number message of ISDN.	2	0: Off 1: On	On
CALLING TYPE 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.	3	0: Unknown 1: International 2: National 3: Subscriber 4: Not Use	Subscriber
CALLING NUM PLAN Select Calling number plan of ISDN SETUP message.	4	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
CALLED NUM PLAN ID Select Called number plan of ISDN SETUP message.	5	0: Unknown 1: I SDN/Telephony 2: Data 3: Telex 4: National 5: Private	Unknown
BEARER CAPABILITY - Select Bearer Capability of ISDN SETUP message.	6	0: Speech 1: Unrestricted 2: Restricted 3: 3.1KHz Audio 4: 7KHz 5:Video	Speech
ISDN LINE TYPE 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.	7	0:A-law 1:U-law	A-law
SENDING COMPLETE IE If set, will send 'Sending Complete' IE to ISDN SETUP message.	8	0: Off 1: On	Off

 VÜŒ⊳ÙĐÚÕTÁTÏ€	ÓVÞ	ÜŒ⊳ÕÒ	ÖÒ20EVŠV
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CEÔÞÜÁÒÝVÒÞÖÁ/QT ÒÜÁEÁQEÔÞÜÁ\¢¢\}åÁaį ^¦È	FÌ	€ËJ	€€

#### CO Outgoing Attributes II (TRANS/PGM 171)

TRANS/PGM 171	BTN	RANGE	DEFAULT
CPT DETECT If this feature is set to ON, CPT(Call Processing Tone) is detected and the line can be dropped.	1	0: Off 1: On	On
UNSUP CONF EXTEND If this feature is set to ON, Unsupervised Conf Timer can be extended by dialing feature code after warning tone is heard.	2	0: Off 1: On	Off
PROVIDE RING BACK TN If this feature is set to ON, dummy ring back tone is heard by system when CO line is seized.	3	0: Off 1: On	Off
BLF USAGE If this feature is set to ON, flex button LED will be flashing when CO line is programmed on the button.	4	0: Off 1: On	On
RLS GUARD TIMER If CO release signaling is not completed successfully, CO line is disconnected when the timer expires.	5	00-15	02
UNSUP CONF TIMER 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.	6	000-255 (min)	000
MAX TRANSFER RING TIMER Max. Ring Time when outgoing CO is transferred/recalled.	7	001-300 (sec)	120
OUTGOING TIME TABLE The time Table index to be applied to outgoing CO Calls	8	1-9, none	none

#### **CO Outgoing Alternate Destination (TRANS/PGM 173)**

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

- 1. Press the [TRANS/PGM] button and dial 173.
- 2. Use the dial pad to enter a CO line range. For a single CO Line, enter the same number twice. For MBX IP-100, acceptable ra.nge is 01-80, for MBX IP-300, the acceptable range is 001-240
- 3. Select Day mode and Dial Error Type; refer to Following Table.
- 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.

VÜŒÞÙÐÚÕT ÆTÏ H	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ÖCĞ'ÁCĞVÁÖÒÙVÁŒÁCĞ)[¦{æþ/sæ^/sæ)Ás^Ás^Ís^ ^sc^å/sæÁ ^;;[¦Ás]^È	Ë	ØFKÜ^8æHÅP[ÁŒ,•,^\ ØGKV¦æ)•^\A\ÁP[ÁŒ,•,^\ ØHÆP[ÁŒ,•,^\	Ë
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## **CO Outgoing Inter-Digit Timer (TRANS/PGM 174)**

FÈ Ú¦^••Ás@·ÆX/ÜŒÞÙÐÚÕTæÁs`œ[}Áse)åÁsædÁFÏIÈ

HÈ Ú¦^••Ás@ Áå^•ã^åÁQ|^¢Áà`cq[}LÁ^~¦Áq ÁQ[||[, ā,\*Á/æà|^È

IÈ W•^Ás@ Áåãæ þÁjæåÁ[Á^} ♂¦Áå^•ã^åÁåææ Á[¦Ás@ ÁOEcclãà o À

#### Press the [SAVE] button to store the data entry.

TRANS/PGM 174	BTN	RANGE	DEFAULT
SEIZE WAIT TIME wait time before first digit.	1	005-200 (100 msec)	020
FIRST DGT time limit between first digit and the next digit.	2	010-200 (100 msec)	100
SECOND DGT time limit between second digit and the next digit.	3	010-200 (100 msec)	080
THIRD DGT time limit between third digit and the next digit.	4	010-200 (100 msec)	070
FORTH DGT time limit between forth digit and the next digit.	5	010-200 (100 msec)	060
FIFTH DGT time limit between fifth digit and the next digit.	6	010-200 (100 msec)	050
MORE THAN 6TH time limit between digit and the next digit after the sixth digit.	7	010-200 (100 msec)	040

#### CO DTMF Sending Delay Timer (TRANS/PGM 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.

- 1. Press the [TRANS/PGM] button and dial 175.
- 2. Use the dial pad to enter a CO line range. For a single CO Line, enter the same number twice. For MBX IP-100, acceptable range is 01-80, for MBX IP-300, the acceptable range is 001-240.
- 3. Press the desired Flex button; refer to Following Table.
- 4. Use the dial pad to enter desired data for the Attribute.
- Press the [SAVE] button to store the data entry.

TRANS/PGM 175	BTN	RANGE	DEFAULT
FIRST DTMF DELAY delay time before sending first digit	1	00-90 (100 msec)	05
SECOND DTMF DELAY delay time before sending next digit after sending first digit DTMF tone.	2	00-90 (100 msec)	02
THIRD DTMF DELAY delay time before sending next digit after sending second digit DTMF tone.	3	00-90 (100 msec)	02
FORTH DTMF DELAY delay time before sending next digit after sending third digit DTMF tone.	4	00-90 (100 msec)	02

VÜŒÞÙÐÚÕT ÆÏÍ	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠV
ØØVPÁÖVT ØÄÖÒŠŒŸÁĒËå^ æÁā¸^Áà^-{;^Á^}}åā¸*Á¸^¢ớååããāÁ æ&\;Á^}åā¸*Á¸¦c@ÁåãããÓVT ØÁÇ $^{\dagger}$ ^È	ĺ	€€ËJ€ÁÇF€€Á( •^&D	€G
Ù QÝ V PÁÖ V TØÁÖ Ò ŠOË ÁËËÅ  æ ÁðĮ $^{\dot{a}}$	Î	€€ËJ€ÁÇF€€Á( •^&D	€G
TUÜÒÁ/POÞÁIÁĒÉÁ ^ æÁā ^Áà^{;\Án^} åā;*Á;^¢óÁáā ãóÁæe^;\Á •^} åā;*Á;āco@Ááā ãóÖVTØÁ;}^È	Ϊ	€€ЁJ€ÁÇF€€Á( •^&D	€G

#### CO COS Assignment (TRANS/PGM 177)

Òç^\^ÁÔUÁA;^Á@@•Á\$@•Á\$@•Á\$@•Á\$@·Á\$[ ||Á;Á\$@•Á\$[ ||Á;Á\$@•Á\$] \^åÁÔUÙÆ•Á\$]]|à\åÁ\$[Á\$@·ÁÔUÁ&æ||ÁÇ^.^\Á\$[Á V/||Áææ|^ÊVÜŒD•ÙÐÚÕTÁGÍ€DÈ

FÈ Ú¦^••Ás@·ÆX/ÜŒÞÙÐÚÕTæÁs`œ[}Ása)åÁsãæþÁFÏÏ

IÈ Ú¦^••Ás@ ÁÃÙŒKÒáÁs α[}Áq[Aq[\^Ás@ ÁsææÁn}d^È

VÜŒÞÙÐÚÕTÆTÏÏ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÖŒŸÁÔUÙÁŒÄÔUÁÔUÙÁŊÁÖæêÁ, [å^È	F	€€ÏFÍ	€
ÖŒŸÁÔUÙÁËÄÔUÁÔUÙÁŊÁÞð®Á, [å^È	G	€€ÏFÍ	€
ÖŒŸÁÔUÙÁËËÂÔUÁÔUÙÆŞÁÆ; ^åÁ; [å^È	Н	€€ËŤÍ	€

## CO to CO Transfer Attributes (TRANS/PGM 179)

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CÈ W $^{h}$   $^{h$ 

HÈ Wh^Ác@ÁsāæhÁ,æåÁt[Ás] c\Ác@ÁG} åÁÔUÁÕ\[ˇ]Árˇ{ à^\HÁOTçæājæà|^ÁÔUÁÕ\[ˇ]Á, $^*$ { à^\ÁsAÉFEIGÁ a, ÁT ÓÝÁÐÚËHEEÐÁEFEGIÁS, ÁT ÓÝÁÐÚËHEEÐÁFEGIÁS, ÁT ÓÝÁÐÚËHEEÐÁFEGIÁS, ÁT ÓÝÁÐÚËHEEÐÁFEGIÁS, ÁT ÓÝÁÐÚËHEEÐÁS

IÈ Ú¦^••Ás@·Ás^•ã^åÁ2|^¢Ás α[} LÁΛ-Δ¦Áξ Á2[||[¸ã,\*Á/æà|^

ÍÈ W•^Ás@ Ásiãæ þÁjæ áÁ[Án} & ¦Ás^•ã^å Ásiææ Ág ¦Ás@ ÁOTadãa č¢È

ÎÈ Ú¦^••Ás@-ÁÄÙODXÒáÁs`α[}Áq[Ánd[¦^Ás@-ÁsæææÁn}d^È

TRANS/PGM 179	BTN	RANGE	DEFAULT
STATION OUTGOING CALL TRANSFER while stations are connected to outgoing CO call of first CO Group, the station can transfer the call to second CO group.	1	0: Off 1: On	On
OUTGOING CALL TRANSFER while ATD is connected to outgoing CO call of first CO Group, the ATD can transfer the call to second CO group.	2	0: Off 1: On	On
OUTGOING CALL TRANSFER RELEASE TYPE if outgoing CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	3	0: None 1: Release after Release Timer	None
OUTGOING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnecting, a warning tone is provided.	4	000-300 (sec)	060
INCOMING CALL TRANSFER DIRECTLY if this feature is set to ON, CO incoming call can be transferred directly without any stations or ATD to transfer the call.	5	0: Off 1: On	Off
STATION INCOMING CALL TRANSFER while stations are connected to incoming CO call of first CO Group, the station can transfer the call to second CO group.	6	0: Off 1: On	On
ATD INCOMING CALL TRANSFER while ATD is connected to incoming CO call of first CO Group, the ATD can transfer the call to second CO group.	7	0: Off 1: On	On
INCOMING CALL TRANSFER RELEASE TYPE If incoming CO call can be transferred to other CO call, release type can be set. If set to None, it is not disconnected.	8	0: None 1: Release after Release Timer	None
INCOMING CALL TRANSFER RELEASE TIME 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 'RIs after RIs Time'. Before disconnected, warning tone is provided.	9	000-300 (sec)	060

# **CO Group Access Code Attribute (TRANS/PGM 180)**

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

FÈ Ú¦^••Ás@ ÁŽ/ÜŒDDÛÕT áÁs cd; } Ása} åÁsãædÁFÌ€

CÈ W^^Ás@ÁsãæÁ;Ár} &\ÁÔUÁÕ; JÁDB&^••ÁÔ[ å^ÈÁDB&^••ÁS[ å^Ásæ)Ás^Áråãæ^åÁş Áp~{ à^¦ā;\*Á Ú|æ)ÁQ/ÜCEÞÙÐÚÕTÁFFHD

HÈ Ú¦^••Ác@Áå^•ã^åÁQ|^¢Áà\* cd; LÁ^-A¦Áq Ác@Áq ||[ ¸ã, \*Á/æà|^È

IÈ Wh^Áo@ ÁsiāædhÁj æðiÁg ÁA} &\land AsiaæææÁg ¦Áo@ ÁOTect áði &\è

ÍÈ Ú¦^••Ás@ ÁÃÙODXÒáÁs α[}Áq[¦^Ás@ ÁsaææáA)}d^È

VÜŒÞÙÐÚÕT ÁFÌ €	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
CEÔÔÒÙÙÁÔUÖÒÁ>CETÒÁŒÁY@}ÁxxÁÖUÁÕ¦]Á CE&&^••Á&[å^ÁsáÁsáz4^åÁ;¦ÁØ ^¢ÁÓ°æ[}ÁssÁ;¦^••^åLÁ }æ[^ÁsáÁsã] æ^åÁ;}Ás@Árcæáā;}©ÁSÔÖÈ	F	Tæ¢ÁrÎÁ&@e∳•	Ë
ÔUÁŠOÞÒÁÔPUÓÒÁĒËÖ^&ãA^ÁĮÁ^ ^&óÁ ÁÔUÁ¾^Á ]¦ã¡¦ãcÁqÁ^ã^ĚÞUVÒÁY @}ÁUˇơ゚[¾*ÁÕ;[ˇ]Á Þˇ{à^¦ÁsÁ,[óÁs••3}^åÊòæÁ,]dã;}ÁsÁ,[óÁs]]a³åÈ		€hÁÜ[*}åÁÜ[àā] FhÁSæe oÁSā]^ ChÁOã•oÁSā]^	Šæo (AŠā), ^
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OŒÜÙÁFÁUÕÜÁÖÕVÁËËÁV @}Ásqko^¦}ææ^ÁÔUÁÕ¦[ˇ]Á OB&&^••Ás[å^ÁsāÁ•^åÊsœãÁæ}Áa\åÁs^-ā,^•ÆsÁ;¦ããjæÁ åãæÁ;¦Ás[}ç^¦o^åÁsããæÁsd*^Á•^åÈ	Ϊ	€kÁU~ FkÁU}	U~-

TRANS/PGM 180	BTN	RANGE	DEFAULT
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.	8	Max 8 digits	-
ARS 2 OGR DGT When alternate CO Group Access code is used, this field defines if original digits or converted digits are used.	9	0: Off 1: On	Off

## Alternate Ring Assignment (TRANS/PGM 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).

- 1. Press the [TRANS/PGM] button and dial 181.
- Enter Table index.
- Press the desired Flex button; refer to Following Table
- 4. Use the dial pad to enter desired data for the Attribute.
- Press the [SAVE] button to store the data entry.

TRANS/PGM 181	BTN	RANGE	DEFAULT
SERVICE TYPE 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.	1	0: All Ring 1: First Idle 2: Circular 3: Feature Code	All Ring
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.	2	(00-30) or one station number	-
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.	3	Valid Feature Code (Refer to PGM115)	-
FEATURE DELAY If Service type is set to Feature code, it can be delayed.	4	00-30 (secs)	00

## SYSTEM GROUP DATA - TRANS/PGM 200-215

Stations can be grouped for call routing, dialing, call pick-up, or various purposes.

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- " Ù cæata }  $A\tilde{O}$  | [ ]  $A\hat{A}$  | {  $\hat{a}$  æ  $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$   $\hat{A}$   $\hat{A}$  |  $\hat{A}$   $\hat{A}$
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- " Úæť ã, \* ÁÕ¦[ `]
- $\tilde{O}[\{\{aa\}aA\delta aa|A\tilde{O}|[]\}]$
- ″ ÚVVÁÕ¦[ˇ]
- " Qc^!] @}^AO[[\*]
- "Úẩ[ơÁP\*)ơÁÕ¦[\*]Á

## Station Group (TRANS/PGM 200)

Ùcaea]}•Ásæ)Áa^Á¦[ˇ]^åÁ[Ác@eeÁ;&[{ā]\*Ásæ)|•Á;ā]|Á^æ;&@ÁQ@}dQ@}dDÁ(¦Áse)Áai|^Ácæaā]}Áā;Ás@Á¦[ˇ]ÈÁ V@Ár^•c^{Áse)|[¸•Áse•ē∄}{^}c/(Ás@)^^Á@}^Á@}^AÉ@}\*A∮![&^••^•ÊÁV^¦{ā]ædÉÔã&\*|ædÉÜā;\*ÉŠE[}\*^•cÁGā|^Á æ)åÁXTÈ

#### **Station Group Capacities:**

ITEM	MBX IP 100	MBX IP 300
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T^{ à^¦•Á§ ÁæÁÕ¦[ˇ]	Í€	Í€

Ô^|cæājÁc]^•Á;-Á\*|[ˇ]•Á&æ)Á§ &[|][|æe^Áæ)}[ˇ]&^{ ^}@£@æe^Á\*āç^}Á[ÁœÆæ]j\*ÁjæeċÈÁ V@Á^•c^{ÁxTOÓÁ&æ)Á(¦^Á)Á[ÁfÁ^ç^}c^}cÄÇEDÁæ)}[ˇ]&^{ ^}@^Á;!Á•^Á,ão@Á@æã]}ÁÖ|[ˇ]•È

NOTE:  $OEA(coeaa_1) Asaa) Asa$ 

FÈ Ú¦^••Ás@AÃVÜŒĐÙĐÚÕTáÁà cd;}Ása;åÁåãæþÁGEEÈ

CÈ W^^Ás@ Ásãæ Ásá Ás Ás} c^¦Ás@ Ás^•ã^à ÁÚcæ ās} ÁÕ;[`]Á,`{à^¦ÁÇ} GEĒ HJÁ;¦Ás@ ÁT Ó ÝÁÚJÁF€€Á æ}åÂ, GEĒ Ì JÁ;¦ÁT Ó ÝÁÚJÁH€€TÈ

HÈ Ú¦^••Ás@ÁZ|^¢Áà`cq[}Áq¦Ás@Áå^•ãl^åÁr^ccā;\*LÁ^-△¦ÁqÁs@Áq||[¸ā;\*Á/æà|/È

IÈ W•^Ás@-Ásãan,4Á,æas.Ág.Án}c^¦Ás@-Áså^•ãl^å.ÁDcæan,aã}ÁÖ¦[ˇ]ÁsaæanÈ

NOTE: Ø[ˈfÁː[ˇ] fi, ^{ à^:• EA} o^:|• EA} o^:| Áscá cecaá] fi, | Ás cecaá] fi, | Ásceaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá cecaá] fi, | Áscá ce

ÍÈ Ú¦^••Ás@^ÁÃÙOEXÒáÁs`αq[}Áq[Árq[¦^Ás@)ÁsaææÁn}d^È

TDANO/DOM 000	DTN	DANOE	DEEALUT
TRANS/PGM 200	BTN	RANGE	DEFAULT
GROUP TYPE this entry defines the type of station group.	1	0:Not Assign 1: Terminal 2: Circular 3: Ring 4: Longest Idle 5: Voice Mail	Not Assign
GROUP NAME this entry defines the name of a group.	2	Max 16 chars	-
TENANT NO this entry assigns a tenant of a station group.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE IDX Time Table index,	4	1-9	1
PICKUP OPTION stations can pickup group calls ringing at other stations in the group.	5	0: Disable 1: All Call 2: Intercom 3: External	Disable
MEMBER ASSIGN this entry assigns stations as members of a station group.	6	-	-

#### **Station Group Greeting/Queuing Attributes (TRANS/PGM 201)**

Each type of group has a different set of available attributes relating to the greeting and queuing announcements, time. Refer to the table below for the descriptions of the attributes, LCD displays and data entries required.

- 1. Press the [TRANS/PGM] button and dial 201.
- 2. Use the dial pad to enter the desired Station Group number (620-639 for the MBX IP 100 and 620-669 for MBX IP 300).
- 3. Press the Flex button for the desired attribute; refer to the following Table.

IÈ W•^Ás@ÁåãædÁ,æåÁqÁ}æåÁqÁ}c^\Ás@Áå^•ā^åÁÖ¦[ˇ]ÁOŒdãà´c^•ÁåæææÆÁ^-^¦ÁqÁœÁq∭[¸ā,\*Áæà|^È

VÜŒÞÙÐÚÕTÁG€F	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ÕÜÒÒVŒÕÁYŸÚÒÆŒÆœæAr}d^Æa~æj^•Ææ@Ær]^Æ;\^^æj*Á ﴿}^È	F	FHÁP[¦{ a‡Á GHÁÚ¦[{ ]c HHÁŒ;}& IHÁŒ;VÁT UP ÍHÁÑYVÁT UP ÎHÁXT CÓÁT UPF ÏHÁXT CÓÁT UPH JHÁXT CÓÁT UPH FHÁÛŠVÁT UPF FFHÁÛŠVÁT UPG FGHÁÚŠVÁT UPH FHÁÛŠVÁT UPH FHÁÛŠVÁT UPH	F
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ÕÜÒÒVŒPÕÁJÜVEÐEÞÞÔÆËÁV@àÁ\d^Áa\^-ā;^•Át¦^^cā;*Á;¦[{]oÁBÁ aà;}&ÆP`{à^¦Ás,Á&æ•^Át¦^^cā;*Ás]^ÁsAÚÜUTÚVEÐEÞÞÔÈ	l	€FËĞÍ	Þ[ ơÁŒ•ã*}^å
ŐÜÒÒVŒÇŐÁÜÒÚÒŒVÁÞUÁËËÁV@āÁN}d^Ás^-āj^•Át¦^^æj*Án]^ææÁ }`{à^¦È	ĺ	€€€ÏF€€	Н
ÕÜÒÒVOÞÕÁÜÚVÁÖÒŠOŸÁEËV@sÁn}d^Ás^-4j^•Ás@Ájæ*•^Ásą^¦Á à^-{¦^Ár¦^^c3;*Án]^æÈ	Î	<del>€€€ÏF€€Á</del> Ç}^&• D	€

TRANS/PGM 201	BTN	RANGE	DEFAULT
QUEUING TYPE This entry defines the type of queuing tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	3
QUEUING TIMER This entry defines the timer for queuing forward or second queuing announcement.	8	000-300 (secs)	30
QUEUING TONE NO This entry defines queuing tone number in case queuing type is normal.	9	01-19	Not Assigned
QUEUING PRT/ANNC This entry defines queuing prompt / annc. Number in case queuing type is PROMPT/ANNC.	10	001-255	Not Assigned
QUEUING REPEAT NO This entry defines queuing repeat number.	11	000-100	3
QUEUING RPT DELAY This entry defines the pause timer before queuing repeat.	12	000-100 (secs)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0
MOH FOR ANNC This entry defines MOH option during queuing annc. Pause time.	14	01-12	none

VÜŒÞÙÐÚÕTÁGEF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙÒÔUÞÖÁÛĒÁYŸÚÒÁĒÉÁY@āÁr}d^Ás@Ás]^Á;Án^&[}åÁ ~~~~ ā * Át}^ÈÁ	FÍ	FÉÁP[:{ æpÁ GÉÁU:[ { ] c HÉÁCE; } & I ÉÁCE VÁT UP Í HÁXT CÓÁT UPF Ï HÁXT CÓÁT UPF Ï HÁXT CÓÁT UPH JHÁXT CÓÁT UPH JHÁXT CÓÁT UPF FEHČÚŠVÁT UPF FEHČÚŠVÁT UPH FHHČÚŠVÁT UPH FHHČÚŠVÁT UPH	
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ÙÒÔUÞÖ ÁÔÔÜ ÁĒÉÁV @ ÞÁA}d^Áa^-A}^•ÁÔÔÜ Á[] @ [}Ásˇlā;*Án^&[}åÁ ˇ`^*ā;*Ása}}[ĭ}&^{ ^}ó*a Á;[çãa^åÈ	Œ	€ÏF	€
TUPÁZUÜÁDEÞÔÁŒÄV@sÁs}d^Ás^-4j^•ÁTUPÁ[]dā[}Ás`¦āj*Á •^&[}åÁ`^`āj*Ás}}&ÆÄÚæ`•^Ásā[^È	Œ	€FËFG	}[}^

# **Station Group Attributes (TRANS/PGM 202)**

CÈ Wh^Ás@ ÁsãæþÁ, æsáÁt Ár}  $c^{\cdot}$  Ás@ Ás^ $\bullet$ ā^åÁÙææāį} ÁÕ![ $^{\cdot}$ ] Á,  $^{\cdot}$ { à^¦ÁQੈ GŒĪË HJÁ; ¦Ás@ ÁT ÓÝÁQÚÁTŒEÁ æ} å GŒĪË Î JÁ; ¦ÁT ÓÝÁQÚÁTŒETÈ

- 3. Press the Flex button for the desired attribute; refer to the following Table
- 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.

TRANS/PGM 202	BTN	RANGE	DEFAULT
CALL IN GREETING This entry defines if a call is routed to a destination during greeting tone is played.	1	0: After Greeting 1. In Greeting	After Greeting
MAX QUEUE COUNT This entry defines queue count.	2	00-99	00
FORWARD TYPE 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.	3	0: 1: Uncond 2: Q Overflow 3: Time out 4: All	Not Used
APPLY TIME TYPE This entry defines a time to apply forward type.	4	0: ALL 1: DAY 2: NIGHT 3: TIMED	ALL
FWD DESTINATION This entry defines a forward destination. (Trunk access code should be included).	5	Max 16 digits	None
WRAP UP TMR This entry defines a wrap up timer. A member is available when this timer is expired after a member goes to idle.	6	000-600	010
MEMBER NO ANS TMR This entry defines no answer timer about each member. If this timer is expired, a call is routed to the next member.	7	05-60	15
RING NO ANS TMR This entry defines ring no answer timer. If this timer is expired, a call is routed to the forward destination according to forward type.	8	0-180	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided	9	0: With Answer 1: W/o Answer	With Answer

# **Voice Mail Group Attributes (TRANS/PGM 203)**

Voice Mail group has available attributes relating to dialing service as put mail, get mail, etc. The following table provides descriptions for the attributes and data entries required.

- FÈ Ú¦^••Ás@AÃVÜŒĐÙĐÚÕTáÁàč cq{}Ása}åÁåãæþÁG€HÈ
- CÈ W $^{\hat{A}}$   $\hat{A}$
- HÈ Ú¦^••Ás@ÁØ|^¢Áà`cd]}ÁJ;¦Ás@Áå^•ã^åÁæædãà`c^LÁ^-^¦ÁJÁs@ÁJ||[ ā,\*Á/æà|^È
- 1 È W+^Ác@ Ás ãædÁ æs Áf Ár} &\Ác@ Ás^• ā^\$ ÁO\[ ] ÁOEcd ãs &• Ás æææ£Á^^\A\Áf Ác@ Áf || [ . ] a \* Áæà|^ È
- ÍÈ Ú¦^••Ás@ ÁÃÙOEXÒáÁs of}ÁfÁrd;¦^Ás@ ÁsaææÁ?}d^È

VÜŒÞÙÐÚŌT ÁG€H	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
XT ÁÚVVÁT CECŠÁDÞÖÒÝÁEÉÁO[ $rac{1}{4}$ ¢¢° $rac{1}{4}$ æþáæ) æþ[*ÁX[æð4ÁT æð4ÁT]•ÉÁæ) Á $rac{1}{4}$ å a^¢Á{[á&vÁT æð4ÁT]•ÉÁæ) Á $rac{1}{4}$ å a^¢Á{[á&@ÁX[æð4ÁTæð4ÁÖæð4ÁZæð4]^ÉÁ} @BR@ÁR[ $rac{1}{4}$ æð4ÁFæð4ÁEæð4Áæð4ÁZæð4ÁZæð4ÁZæð4ÁZæð4ÁZæð4ÁZæð4ÁZæ	F	FË	F
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$ \begin{array}{c} XT \text{ $\acute{A}$} \acute{A} \text{ $\acute{A}$} \text{ $\acute{A}$} \acute{A} $	Н	FËJ	Н
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ÙT ÖŒÁVŸÚÒÆŒÁVŒ&ÁN} d^Á&^-4}^•ÁÙT ÖŒÁ^]^È	Î	€ÁV^]^ÁF FKÁV^]^ÁG	V^] ^Æ
ÙT Ö GÁÐ ŠÓÁÐ ØU ÁËËV @ ÁA} d^Ás^A; $^{\bullet}$ ÁÙT Ö GÁÐ ŠÓÁÐ, $\{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	Ϊ	€ÁÚ~ FÁÚ}	U~

#### Pick Up Group (TRANS/PGM 204)

**Station Pick-up Group Capacities** 

ITEM	MBX IP 100	MBX IP 300
Þˇ{ à^¦/á, √ÍÕ¦[ˇ]•	Í€	F€€
T^{ à^¦•ÁsjÁsdŐ¦[ˇ]	Í€	Í€

- 1. Press the [TRANS/PGM] button and dial 204.
- 2. Use the dial pad to enter the desired Pickup Group (01-50 for the MBX IP 100 and 001-100 for the MBX IP 300). The system will display the attribute of pickup group.
- 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
- 4. Press the [SAVE] button to store the data entry.

TRANS/PGM 204	BTN	RANGE	DEFAULT
PICK UP CONDITION this entry defines pick up condition. (All/Internal/External)	1	0: All Call 1: Int Call 2: Ext Call	All Call
PICK UP MEMBER ASG assigns stations as members of a station pickup group.	2	-	-

#### Page Group (TRANS/PGM 205)

Under Page Group Assignments members are assigned to the Page Group (refer to the programming table below for a description of the functions and data entries required).

#### Page Group Capacities

ITEM	MBX IP 100	MBX IP 300
Number of Groups	15	30
Members in a Group	50	50

- 1. Press the [TRANS/PGM] button and dial 205.
- 2. Use the dial pad to enter the desired Page Group (01-15 for the MBX IP 100 and 01-30 for the MBX IP 300). The system will display the member of Page group.

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

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

VÜŒÞÙÐÚŌT ÁŒÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÚCIĐÔÁT ÒT ÓÒÜÁCIÙÕÁÜÄæ•å}Áræa;}•ÁæÁ; ^{ à^¦•Á;ÁæÁÚæ*^Á *![`]È	Ë	Ë	Ë

#### Command Call Group (TRANS/PGM 206)

\(\text{Ucassaf}\) \(\delta\text{Acc}\text{Acc}\) \(\delta\text{Acc}\text{Acc}\text{Acc}\) \(\delta\text{Acc}\text{Acc}\text{Acc}\text{Acc}\) \(\delta\text{Acc}\text{Acc}\text{Acc}\text{Acc}\text{Ac

#### Command Call Group Capacities

ITEM	MBX IP 100	MBX IP 300
Þ`{ à^¦Á; ÆÕ¦[`]•	F€	F€
T^{ à^¦•Á\$jÁse#Õ¦[ˇ]	FG	FG

FÈ Ú¦^••Ác@ÁŽ/ÜŒÐÙÐÚÕTáÁàčæf}Ác€ÎÈ

CÈ W $^{h}$   $^{h$ 

HÈ Ú¦^••Ás@-ÁŠÙOEXÒáÁà α[}Á[Á-q[¦^Ás@-ÁåæææÁA}d^È

VÜŒÞÙÐÚÕT ÁG€Î	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
UÞÁPUUSÁÙÒÜXÓÓÀĒÄ;}ÁQÖ^ơ¦{ã,^•Ás@ÁU}ÁP[[\Á Ù^¦çã&^LÁSÁU}ÁP[[\ÁCH[],ÁsÁ^CÉS@Á^•ơ{ÁsH][]•ÁUÞÁ PUUSÁ^¦çã&ÀĚY @}ÁÜ^&ൿJÁSÁ^ ^&&åÉA^•ơ{ÁsH] ÜÒÔCEŠÁ,@}Á•^¦ÁUææā;}ÁsÁ;ÈQ[\È	F	€nÁU}ÁP[[\ÁŒ [, FnÁÜ^&æ	U} ÆP[[\ÆŒ¶[,
UÞÒÁY O\Y ÁÓWÙŸ ÁŒÄÖ^&¦{ 引 ^• Á@ Á@; å 引 * Á; ÁU} ^ÁY æ Á Ó * ^ Á&;;• È	G	€MÁÓ * ^ FMÁÜ^ * ^ • OÁÛ * ^ * ãj * GMÁÜ^&[ç^¦ÁÔæi	Ó • ^
ÓU V PÁY OĞ ÁÓWÙ ŸÁŒÄÖ^ &\{ \$}^•Ás@ Á@a}å \$*Á; ÁÓ[c@Á YæÍÓ`•^ÁsæH•	Н	€1ÁÓ`•^ F1ÁÜ^`^•0ÁÛ`^`ā]* G1ÁÜ^&[ç^¦ÁÔæ	Ó • ^

## PTT Group (TRANS/PGM 208)

Each Phone can be assigned as a member of one or more Push-To-Talk groups. The PTT Group capacities for the MBX IP system are shown in the table below.

#### PTT Group Capacities

ITEM	MBX IP 100	MBX IP 300
Number of Groups	10	10
Members in a Group	50	50

- 1. Press the [TRANS/PGM] button and dial 208.
- Use the dial pad to enter the desired Page Group (0-9 for the MBX IP 100 and the MBX IP 300). The system will display the member of PTT group.

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

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

TRANS/PGM 208	BTN	RANGE	DEFAULT
PTT MEMBER ASG this entry assigns stations as members of a	1	-	-
PTT group.			

# **Interphone Group (TRANS/PGM 209)**

To call the stations using only one or two digits, some stations can be gathered to the same 'Interphone Group' (refer to TRANS/PGM 209 for a description of the functions and data entries required).

#### **Interphone Group Capacities**

ITEM	MBX IP 100	MBX IP 300
Number of Groups	10	10
Members in a Group	10	10

FÈ Ú¦^••Ás@-ÁŽVÜOÐ-ÙÐÚÕT áÁs` cd; }Ása) åÁsãædÁG€JÈ

CÈ Wh^Ás@ÁsāæḥÁjæåÁţÁn}ch'Ás@Ás^•ā^åÁQch']@{}^ÁÕ¦[ˇ]ÈÁV@Á^•ch{Âsāæ}]|æÂs@Á æcdāa`chÁj-Ájā&\`]Át¦[ˇ]È

NOTE:  $Q[\dot{A}; [\check{A}, {\hat{A}}] \land (\dot{A}, {\hat{A}}) \land (\dot{A}, {\hat{A}}) \land (\dot{A}, {\hat{A}}) \land (\dot{A}, {\hat{A}}) \land (\dot{A}, {\hat{A}}) \land (\dot{A}, {\hat{A}}, {\hat{A}}) \land (\dot{A}, {\hat{A}}, {\hat{A}}) \land (\dot{A}, {\hat{A}}, {\hat{A}}) \land (\dot{A}, {\hat{A}}, {\hat{A}}, {\hat{A}}, {\hat{A}}) \land (\dot{A}, {\hat{A}$ 

HÈ Ú¦^••Ás@·ÁŠÜOEXÒáÁs cd; }Át Átd; !^Ás@·ÁsææáÁ} d^È

VÜŒDÚÐÚĀŒJ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÖŐVÁÖÒÙVOÞOE/OUÞÁEEÁSOBÁ) d^Ás^-3}^•Ás@ÁsããÁs^•Œjææáj}Á;-Á Q¢¦]@}^Á;[ˇ]È	F	Ùcaeaa[}Áro~{à^¦	Ë

## Pilot Hunt Group (TRANS/PGM 210)

W, å^¦ÁÚa[[ơÁPˇ] ởÃO˙|[ˇ] ÁŒ•ā\*] { ^} œ Á¼ ^{ à^¦•Áse•ā\*] ^å Æ; Ás@ ÁÚā[[ơÁPˇ] ởÃO˙|[ˇ] ĤŪ'^-^¦Æ; Ác@ ÁVÜŒĐÙĐÚÕT ÁŒF€Ásæà|^Æà^|[¸Á[¦Ásæáå^•&¦a] cā[} Á; Ás@ Áˇ] &cā[} •Áse) å ÆsæææÁN} dāN•Á^˘ ã^åÈ

Pilot Hunt Group Capacities

ITEM	MBX IP 100	MBX IP 300
Þˇ{ à^¦Á; ÆÕ¦[ˇ]•	Œ	Í€
T^{ à^¦•Á\$,ÁæÁÕ¦[ˇ]	Œ	Œ

FÈ Ú¦^••Ás@ÁŽ/ÜŒÞÙÐÚÕTáÁs od }Ása åÁsãæHÁGF€È

CÈ Wh^ka@kaāaqki aaaki ki} c' kia@ka^a ā^a ā\jas\`] ki $\tilde{O}$ ![`] kigefëJeki !kia@ki ÓYkiQjkifeEkaq} a kiefë  $\in$  A ; kia@kia OYkiQjkifeEDEXV@ki^•c'{  $\hat{A}$  allkaā] |aa ki@kaad aa`c' ki Ajalf o'R`} o'k![`] È

HÈ Ú¦^••Ás@ ÁŠÙOEXÒáÁs ag } Ág Árq ¦^Ás@ ÁsæææÁ } d^È

VÜŒÞÙÐÚŌT ÁŒF€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÔUÞÖQVQUÞÁEEÖÖ^&\{ 3}^•Ásæ Ás[ç^\\æ*^Ás[}åãāā]Á[\ÁUā[ơP`}ơÁ *\[`]È	F	€AÁQEŠŠ FKÁQI¢^¦&[{ GAÁÒ¢¢^¦}æ	Œ∥
ÙÒÜXÓÒÔÁ/ŸÚÒÁŒÁ (@\$.Á*) d^Áa^-4j^^•ÁÙ^¦ça8^Á/^]^ÈÁ Ç^^¦{ aj andôā&  add	G	€nÁ/^¦{ ãjæ  FMÁÔã& ĕ æ	V^¦{ a}}æ∳

Appendix A: System Programming Tables

TRANS/PGM 210	BTN	RANGE	DEFAULT
TIME TABLE INDEX Time Table index.	3	1-9	1
MEMBER ASGAssigns stations as members of a Pilot Hunt group.	4	-	-

# Pilot Hunt Group Forward Attribute (TRANS/PGM 211)

Each Pilot Hunt group has available attributes relating to forward; the following table provides descriptions for the attributes and the data entries required.

- Press the [TRANS/PGM] button and dial 211.
- 2. Use the dial pad to enter the desired Pickup Group (01-20 for the MBX IP 100 and 01-50 for the MBX IP 300). The system will display the attribute of Pilot Hunt group.
- Press the desired Flex button.
- 4. Press the [SAVE] button to store the data entry.

TRANS/PGM 211	BTN	RANGE	DEFAULT
DAY FORWARD TYPE determines Day time seting for Call Forward type.	1	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
DAY FORWARD DESTINATION determines Day time seting for Forward destination.	2	Max. 8 digits	-
NIGHT FORWARD TYPE determines the Night time seting for Call Forward type.	3	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
NIGHT FORWARD DESTINATION determines the Night time seting for Forward destination.	4	Max. 8 digits	-
TIMED FORWARD TYPE determines the Timed seting for Forward type.	5	0: Not Used 1: Uncond 2: Busy 3: No Ans 4: Busy/ No Ans	Not Used
TIMED FWD DESTINATION determines the Timed seting for Forward destination.	6	Max. 8 digits	-

## **ACD Group (TRANS/PGM 212)**

#### **ACD Group Capacities**

Items	MBX IP 100	MBX IP 300
ŒÔÖÁÕ¦[ˇ]Ároˇ{à^¦	Œ	Í€
Ù ] ^   çã [   Áp ~ { à^	F	F
Ù à ËÙ ] ^   çã [   ÁÞ ~ { à^	Н	Н
O≛^} oÁp~{ à^¦	Í€	Í€
Tæ¢ÁÛˇ^ˇ^ÁÞˇ{à^¦	JJ	JJ
Tæ¢ÁÛ*^*^ÁŒ}}[*}&^{ ^}oÁÛơ^]	ĺ	ĺ
ŒÔÖÁŒ^} œÁÚ¦áį¦ãĉ	ŒÁÇFËŒD	ŒÁÇFËŒD

- FÈ Ú¦^••Ác@AÃ/ÜŒÞÙÐÚÕTáÁsì æ[}Ásp}åÁsiædÁGFŒÈ
- CÈ W $^{\hat{A}}$   $\hat{A}$
- $H\dot{E} \dot{U}|^{\Lambda \bullet \bullet} \dot{A}_{0}@\dot{A}_{0}^{2}|^{\Lambda} \phi \dot{A}_{0}^{2} cf \} \dot{A}_{1}|^{\Lambda} \dot{A}_{0}@\dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2} \dot{A}_{0}@\dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{0}^{2}|^{\Lambda} \dot{A}_{1}^{2}|^{\Lambda} \dot{A}_{1}^{2$
- IÈ Wh^ka@ kha and fi kho chi ka@ kho and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota cota j ki la and a kota and a kota cota j ki la and
- ÍÈ Ú¦^••Ás@-ÁĞÙOEKÒáÁsi`α[}Áq[Ánd[¦^Ás@-ÁsaææÁn}d^

TRANS/PGM 212	BTN	RANGE	DEFAULT
GROUP NAME ACD Group Name.	1	Start ACD Group Number & End ACD Group Number	-
SERVICE MODE ACD Group Status.	2	0: Normal 1: Group Forward 2: Overflow 3: Night 4: Holiday 5: Not Service	Normal
TENANT NO ACD Tenant Number.	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1
TIME TABLE INDEX ACD Group Time Table.	4	1-9	1
AUTO MODE ACD Group Status changed according to System Time Table Index.	5	0: Not Use 1: Night Auto 2: Holiday Auto 3: Night/Holiday Auto	Not Use
SUPERVISOR NUM ACD Group Supervisor assign.	6	-	-
MEMBER ASSIGN ACD Group Agent assign.	7	-	-

# ACD Group Attribute I (TRANS/PGM 213)

Stations can be grouped so that incoming calls or internal calls will search (ACD) for an idle station in the group. ACD (Auto Call Distribution) service is to distribute ACD call efficiently to agent. Each agent can set own specific state and make ready for gat the ACD call. Also supervisor can make ACD group state

- 1. Press the [TRANS/PGM] button and dial 213.
- 2. Use the dial pad to enter the desired ACD Group number (600-619 for the MBX IP 100 and MBX IP 300).
- 3. Press the Flex button for the desired setting; refer to the following table
- 4. Use the dial pad to enter the desired ACD Group data.
- 5. Press the [SAVE] button to store the data entry

VÜŒÐÙÐÚÕTÁGFH	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÙWÓËÙWÚÁŒÙÙŒŐÞÆŒÁ©®ÁA}d^Áæ••ã*}•ÁÛ`àËÛ`]^¦çãe[¦Á§Á ŒÔÖÁŐ¦[`]È	F	Ë	Ë
ŐÜUWÚÁØY ÖÁÖÒÙVÁĒĒÁV @}ÁŒÔÖÁŐ;[ˇ]Ácæĕ •ÁárÁŐ;[ˇ]Á Ø[; æåÁÛææĕ •ÊÁæHÁ;ÁŒÔÖÁ&æHÁ,āHÁa^Á[; æåå^åÁqÁææfÁ}d^Á æ•å∄}^åÁå^•♂æã}È	G	Ë	Ë
ÞÕPVÁUÒÜXÔÒÁ <del>ÏÄÄĨÄ</del> VŌ\$Á\$}d^Ás^-Aj^•ÁQ¸ÁqÁ^![ˇơÁŒÔÖÁ &æļÁ,@}Á¹![ˇ]Ánœĕ•ÁsÁÞãŌAÛæĕ•È	Н	€%KÜ^ ^æe^ F%KŒ}}[ັ}&^{ ^}c G%KŒ[¦,ætå	Ü^ ^æ•^
ÞÕPVÁØYÖÄÖÒÙVÁËÉY@}ÁÞã®ÁÙ^¦çã&^Ác]^ÁsáŘØ[¦¸æååÉÀ æð]] āʰåÅs^•æð;ææð;}Ásæð;Ás⇔•ã}}^åÈ	I	Ë	Ë
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ĺ	€%kÜ^ ^æe^ F%kOE;}[ັ}&^{^}dÈ G%kO[¦,æ+å	Ü^ ^æ•^
PUŠOÖOĞ ÁZOYÖ ÁĞÖ ÒÙVÁÜĞ @ }ÁP[ ãáæ ÁÛ^¦çã& Ác]^Áa Á Ø[¦, æ å ÉÁad]] ā^å Áá^•cājæ āj} Á&a) Áa^Áæ••ā*}^å È	Î	Ë	Ë
UXÒÜØŠUYÁÙÒÜXÓDÒÁĒŽV@sÁ;d^Ás^æj^•ÁQ¸ÁqÁn;[čơÁ ŒÔÖÁSæļÁ,@}Á;[č]Árææě•ÁsaÁJç^¦-{¸ÁÛææě•È	Ϊ	€%ÄÜ^ ^æe^^ F%ÄÜ\$}[ັ}&^{^}c G%ÄÖ[¦,æåå	Ü^ ^æ•^
UXÒÜØŠUYÁØYÖÁÖÒÙVÁŒÄY@}ÁÚÇ^¦- [¸ÁÛ^¦çæX^Á¢]^ÁæÁ Ø[¦¸æåÆæ]] ð\åÅå^•øð;ææā[}Áææ)Áæ^Áæ••ð;}^åÈ	Ì	Ë	Ë
T CÉÝÁÛWÒWOÞÕÁÔUWÞVÁ莊Á @āÁ} d^Ás^-ā,^•ÁT CÉÝÁ ˇ^ˇ 貫 *Á &æļÁs[ˇ] dÁSÁ ˇ^ˇ 貫 *ÁDÔÖÁÔæļÁs[ˇ] dÁs Á;ç^!Ás@Á; ægÁ芘S[ˇ] dÁ CEÔÖÁ;¦[ˇ]Ácæe^Á, 潤Ás^Ás@æ)*^åÁs[ÁUç^!-¡, ÁÙææ*•È	J	€EJ	F€
ÛWÒWOÞÕÁOÞÞÞÔÁÙVÒÚÆËÁVŒÞÁŶţĠ^Ás^ąj^•Á**^ā¸*Áæ)}[*}&^{Á;}¢Àjæ;Á*Áæ)}[*}&^{A;}¢Á;}œÞÁ*;*Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Áæ;Á	F€	FΕ̈́	F
ÜÒÚÒŒ/ÁÔUWÞVÁĒĒÁV@ða ÁA}d^ ÁB^A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸A¸		€KP[ÁÜ^]^æc FKU}^Á/ā[^ GKV@^^Á/ā[^• HK2ā[^Á/ā[^• IKV^}Á/ā[^• IKV]^}ćÁ/ā[^•	Þ[ÁÜ^]^æc
ÜÒÚÒŒ/ÁÚUÙŒ/ŒÞÁŒÁ\ d^Á&^-Æ}^•ÁÜ^]^æÁ Œ;}[ˇ}&^{ ^}ďŪæċďÚ[•ããá;}È	FG	FË	F

TRANS/PGM 213	BTN	RANGE	DEFAULT
FWD AFTER QUEUING This entry defines reroute usage after queuing time over.	13	0: Off 1: On	Off
Q-FWD DEST Reroute destination after queuing time over.	14	-	-
AGENT NO-ANS OPTION This entry defines no-answer Agent No-Answer case about ACD-call.  1 Not use  2 Forward: call will be forwarded to defined destination  3 DND: Agent state will be changed automatically to DND state.  4 DND & Forward: Agent state will be change to DND state, and ACD call will be forwarded to defined destination	15	0: Not use 1: Forward 2: DND state 3: DND & Forward	Not use
AGENT NO-ANS DEST When Agent No-Answer option is Forward, applied destination can be assigned.	16	-	-

# ACD Group Attribute II (TRANS/PGM 214)

TRANS/PGM 214	BTN	RANGE	DEFAULT
SUPERVISOR PSWD CHECK This entry defines check the supervisor password when supervisor change group status.	1	0:Off 1:On	0:Off
AGENT-AGENT CALL This entry defines agent to agent call restriction.	2	0:Allow 1:Direct call 2:Forward call	0:Allow
WORK MODE TIMER This entry defines wrap up timer of Agent Work State.	3	001-240	60

Appendix A: System Programming Tables

	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
CEWU BY UÜSÁT UÖÓÁJÚ V QJÞÁEÁ V @ Á Å ^ ª ^ • Á , @ } Á @ * ^ Á @ Á * ^ ¿ ﴿ E [ !\ Á æ È Œ Á ]   a ª É Å , @ } Á }   ^ Á & Æ ^ } oÁ @ Á * ^ ¿ ﴿ E [ !\ Á ] Œ È FÁÔCIŠŠÍÁÐ	I	ਚਿ¢ੇæ  FKoੈæ ਇੰਪੋੜ੍ਹੋ * G∙oੈæ Áuੈo H∙oੈæ ਇੰਪੋੜ੍ਹੋ * ਇੰuō	€Ôæ∥
CEÞÞUWÞÔÒT ÒÞVÁNÙÒÁËŽÍV@\$ ÁN} d^Ás^-ð,^•Á.•æ*^Á         [-ÁCE;}[~) &^{ ^} o∮, @} Áse*^} oÁse, ^!Ás, &[ { ð;*Á.         CEÔÖÁÔæ È	ĺ	€V~ FKU}	€€0~-
ÕÜUWÚÁÜĖÕÞVÁÖÒÙÚŠŒŸÁËËV@āÁ\}d^Ás^-āj^•Á åã] æÁ;ÁÛ`^`ãj*Ás[`}oÁ;ÁDĐÔÖÁSæ  È	Î	€C~ FKU}	€0~
Û EÔÞVÁÐÞVÖÜXCЊÁEÐÁ @áÁr}d^Ás^Aj^•Ásá] æÁ Aj c^¦çæpÁr^&[}å•Á;AÛ*^*Aj*Ás[*}oÁ;AOÐÖÖÁsæ E	Ϊ	⊕Ü^æ∳A⁄ã ^Á FK€ ^& GG€ ^& HK6 ^& IK € ^& ÍK € ^&	€KÜ^æţÁVą́i ^Á
ŠUÕ OÞÁ DOĐÙÙY Ö ÂÔ PÒÔ SÁËËV @\$Á} d^Ás^-3}^•Ás@&Á c@Á;æ••, [¦åÁ; @}Ásē*^}ơÁ(*Ë;È	Ì	€KU~ FKU}	€℃~
ŠUÕOÞÁÐEÖÒÞVÁÙVOÐÓÁEÄV@áÁ}d^Áá^-á¸^•Á•æ*^Á¸-Á å^-æ* oÁOE^>}oÁÙææ^Á;]dá;}Á;@}Áæt^}of(*Ëà;È	J	⊕Ü^æå^Árææ^ FKÖÞÖÁrææ^ GKY[¦\Árææ^	€KÜ^æå^Árææ^
ŠUÕOÞÁOEWUÁOÐÐÙYÒÜÁEËÁ/@āÁA}d^Áá^4j^•Á•æ*^Á [ÁOE^}oÁOE qÍÁOÇ•¸^¦Áj]dáj}Á;@}Áæ*^}oÁ(*Ëa}È	F€	€C~ FKU}	€KU~-
ŠUÕODAÓDEWUÁY UÜSÁEEÄV@SÁA}d^Ás^4j^•Á•æ*^Áj-Á OE*^}oÁDE q[ÁY[¦\Áj]@4j}Á;@^}Áse*^}oÁ[*E3jÈ	FF	€U~ FKU}	€0~

TRANS/PGM 214	BTN	RANGE	DEFAULT
LOGIN HANDSET This entry defines usage of Agent Headset option when agent log-in.	12	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode	1:Handset Mode
LOGOUT HANDSET This entry defines usage of Agent Headset option when agent log-out	13	0:Headset mode 1:Handset Mode 2:Eac-Mic Mode 3:Bluetooth mode 4:Logon Mode	1:Handset Mode
LOGOUT RESTRICTION This entry defines restriction of Logout State Agent.	14	0:Not use 1:CO outgoing 2:All call	0:Not use
CO ANSWER TIME This entry defines when the ACK message is sent to caller party.	15	0:Queued to group 1:Agent Answer	0:Queued to group
INFO DATA PRINT This entry defines usage of ACD Call Traffic Information data Print or Not. Information Traffic data will be printed at Information-Print Port.	16	0:Off 1:On	0:Off
INFO PRINT INTERVAL This entry defines print interval seconds of Information Traffic data.	17	001-250	001 (10 sec)
INFO CLR AFTER PRT If this value is ON, after print Information traffic data, previous data will be deleted.	18	0:Off 1:On	0:Off

# **ACD Group Announcement (TRANS/PGM 215)**

The system provides 9 types of tone. Each tone may be assigned to normal tone, VMIB prompt/Announcement or internal/external music.

- 1. Press the [TRANS/PGM] button and dial 215.
- 2. Enter announcement table using dial pad
- 3. To program tone, dial tone index (1 9). Please refer to the Announcement INDEX Table of Web-Admin TRANS/PGM 215 for Announcement index
- 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)

Ø/^¢Á kÁXT ŒÓÁÚ¦[{]ŒĐỆ}[ˇ}&^{^}œÁpˇ{à^}
Ø/^¢Á kÁXT ŒÓÁÚ¦[{]ŒĐỆ}[ˇ}&^{^}œÁpˇ{à^}É à^¦Á
Ø/^¢Â kÁXT ŒÓÁÚ¦[{]ŒĐỆ}[ˇ}&^{^}œÁp¸c^¦çæþ
ÍÈ W^^Á@ÁãæþÁ;æåÁ[Á^}c^¦Ás@Áå^•ã^åÁĐĐÔÖÁÕ;[ˇ]ÁãæææÞÁ
ÎÈ Ú¦^••Ác@ÁãæþÁ;æåÁ[Á†}cÁ;ÁfÁ;ÁfÉ;^ÁæÆææÁ\*}d^

VÜŒÞÙÐÚÕTÁŒFÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
VUÞÒÁ/ŸÚÒÆŒå^•∄}ææ^•Ás@Á[}^Ás]^È	F	€FKÁP[¦{ a pÁ/[}^ €GKÁXT ÓÓÁÜ;[{] c €HKÁXT ÓÓÁÜ;}[*] &^{ ^} c €IKÁQ;c^!} a pÁT UP €ÍKÓQ;c^!} a pÁT UP €ÎËEJKÁXT ÓÓÁT UPÁFTÖÐÐÐD F€ÍÉTI KÁÙŠVÁT UPÁFTÉ	€FMÁP[¦{æ†ÁM[}^
VUÞÒÁ/OTÒÁŒÁå^♂¦{ãj&•Ác@Áæ([ˇ)óÁ,-Ácã,^Á o[}^ÁæÁ,¦[çãã^åÈ	G	FÉE€	F€
VUÞÒÁÚUÜVÁEÉÁ[}^Á;[¦ơÁ;å^¢Á;-ÁVÜŒÞÙĐÚÕTÁ GÎIÈV@Á&æå^}&^Á;Á;}^Á;[¦ơÁ;æÂá^Á&@æ)*^åÁ à^Á•ā;*Ár^àÁOã{ā;È	Н	FËJ	Ë
ÚÜUTÚVÁDEÞÞÔÁÞUÁEËÁV@ÁXTOÓÁÚ¦[{] OÁ¦Á OE}}[ˇ}&^{^}OÁ¸{à^!Á¸@}Áq;}^Ác]^ÁsÁXTOÓÁ Ú![{] OÁ;Áæ}}[ˇ}&^{^}CÈ	I	FËĞ Í	Ë
ÚÜUTÚVÁDEÞÞÔÁÜÚVÁEEÁV@ÁXTÓÓÁÚ¦[{] oÁ;¦Á OE;}[ˇ}&^{^}oÄ^]^æoÁ*{à^¦Á;@}Æi;}^ÆiÁ XTÓÓÁÚ![{]oÁ;¦Æa;}[ˇ}&^{^}dÈ	ĺ	€Ё€€	F
ÚÜUTÚVÁOEÞÞÓÁOÞVXŠÁEÉV@ÁXTÓÓÁÚ¦[{] dÁ;¦Á OE;}[ˇ}&^{^}dÜ^]^ædéjd^¦çæþÁ;@}ÁXTÓÓÁ Ú¦[{]dÁ;¦Áæ}}[ˇ}&^{^}dŽÜ^]^ædéjdæ∮•å†}^åÈ	Î	€Ё€€	€
ÔÔÜÁNÙÒÆËÄV@&Á;]cā;}Á&Áå^4¸^åÁå°¦å;*Á æ}}[ˇ}&^{ ^}o∮,ã Áà^4; æ^åÊÁ•æ*^Á;ÆÓÔÜÁ ^æč¦^È	Ϊ	€KU~ FKU}	€KU~-

# SYSTEM DATA - TRANS/PGM 220-242

- 1. Press the [TRANS/PGM] button and dial:
  - 220 for System Timers I
  - 221 for System Timers II
  - 222 for System Timers III.
- 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.

# System Timers I (TRANS/PGM 220)

TRANS/PGM 220	BTN	RANGE	DEFAULT
CO-CO TRANS TMR 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.	1	000-300 secs	030
HOT-DESK LOGOUT TMR Determines the amount of time the attendant receives recall after which the system will disconnect the call.	2	00-24 hrs	00
ACNR PAUSE TMR This timer establishes the time between ACNR attempts.	3	005-300 secs	030
PAGE TIME OUT TMR Determines the maximum duration of a page after which the caller and Page Zone are released.	4	000-300 secs	15
PAUSE TMR A Timed pause of this duration is used in Speed Dial and during other automatically dialed digits sent to the PSTN.	5	1-9 secs	3
VM PAUSE TMR When the system sends a "Pause" to Voice Mail using In-band signals, the Pause interval is defined by this timer.	6	1-9 secs	3
VMIB-MSG MIN TMR 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.	7	1-9 secs	4
VMIB-MSG MAX TMR This timer sets the maximum duration allowed for the User Greeting in the system's VMIB.	8	00-999 secs	60
CALL-WAIT WARN TMR Determine the call-wait indication tone repeat time.	9	010-1800 secs	030
CAMP-ON WARN TMR Determine the camp-on indication tone repeat time.	10	010-1800 secs	030

VÜŒÞÙÐŰÕT ÁGG€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÔÔÜÁDEVÒÜEÖŐVÁTÜÁETÁQR¢¦EBåðãAánā, ^¦Á•^åÁ,ão@ÁÔ*•q[{ ^¦Á Ôæ  ÁÜ[*ca]*Á*}&an[}È	FF	€FËH€Á^&•	€H
Y ÒÓÁUÙY ÖÁÕWŒÜÖÁTT ÜÁŒÄQÁ, [ÁsiæææÁ,æ&\^œ/Ás÷^Á^&^āç^åÁ å`¦ā;*ÁsæÁY^àÁŒã{ ājÁs[}}^&cāt}ÁǦÁs@ÁÖ`æ÷åÁsā;^ÊÁsæÁ,æ••¸ [¦åÁ &@&\Á;ā Ás^Ásjāñææe^åÁsi^Ás@Á^•c^{ È	FG	€€FËJJÁ Õ	ĺ

# System Timers II (TRANS/PGM 221)

VÜŒÞÙÐÚŌT ÁGGF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙŠVÁPUUSÁÓUWÞÔÒÁTÜÁĒĒÁA^&¦{ ā}^•Ác@Áce[ ˇ }oÁ;-Á cā(^Ác@ÁÙ^•¢\{ Ás[}•ãa^¦•Áce}Áce&cĕcápÁceæc^Ás@e)*^ÁsIÁc@Á @[ Ē;ācs@Áce}åÁ;[oÁceÁ;[{ ^}cce^Ás[}cæ&oÁc[ˇ }&^È	F	€FËĞİ ÁÇF€€Á; •^&D	€F
ÙŠVÁT CĽÝÁP ´ ØŠOEÙPÁ/T ÜÁËŽÁ ^ O Á O Á ( ) A \$\alpha \) \\ \( \) A \$\alpha \] A \$\alpha \) A \$\alpha \] A \$\alpha \) A \$\alpha \] A \$\	G	€FÉGÍÁÇF€EÁ(•^&D	€Í
ÙŠVÁT ODÁP ′ØŠOĐÙPÁ/T ÜÁËËÁ ^O ÁG@Á, ∄,ã, ť, Ásā, ^Ás) ÁÙŠVÁ ˇ•^¦Á( ˇ•ơŚâ^]¦^••Ác@Á@[\Ē, ão&@Á; ¦ÁsÁØ]æ•@Á;ã}æþÈ	Н	€€€ËĞİ €ÁÇF€Á, •^&D	€0€
ŠÔUÁÜŒPÕÁUÞÁTÜÁËÄ^œÁ@ÁŪÞŒÁŢ^Á;-ÁæÆ\$,&[{ ];*Á   ];*Á&?& ^Á[¦ÁÛ^•ơ{ ÁÜ];*ÁÖ^ơ&Á;Á^&[*}ã^Á;@Á   ];&[{ ];*Á&# È	I	FËJÁÇF€€Á, •^&D	G
ŠÔUÁÜ OPÕÁU ØØÁT ÜÁĒĀ^o rÁs@Á; æçā[ ˇ {ÁCU ØØÁŠ ¦æēā[}Á [-Ás@Ás] &[{ā]*Áā]*Á&; & ^Áq[Ás^o]{ā]^Á; @}ÁæÁsæ Á@ærÁ à^^}Áæàæ)å[}^åÈ	ĺ	€F€ÏFÍ €ÁÇF€€Á; •^&D	€Î€
ŠÔUÁÜŠÙÁÕWOEÜÖÁ/TÜÆÜÄ, @}ÁsejÁsejæt[*ÁÔUÁŠēj^ÆsiÁ  ^ċ }^àÁqiÆsi[^Éss@Á^•ơ{ÁjājÆs^}^Áss&&^••ÁqiÁæe•* ^ÁqiÁs@iÁsi,^É æ•* ^Áx@ÁÜÙVÞÁ^ċ }•Ás@ÁÔUÁs&i&*āt^ÁqiÆsi ^È	Î	<del>€€Í</del> Î €ÁÇ ∄ čo•D	€F€

# System Timers II (TRANS/PGM 222)

VÜŒÞÙÐÚÕT ÁGGG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖUUÜÁUÚÒÞÁ/TÜÁËÄÛ^œÁs@Á;ājā; `{Æi{}cæ&cÆi[•`¦^Æā;^Á ¦^``ā^åÁt[Ææ&cā;ææ^Ás@Æi[}cæ&cÆe••ā}^åÁæ•ÁæÆi[[¦Át]^}Á &[}æ&cÈ	F	é ëjá <b>r</b> €€á •^&D	G€
TÙÕÁY QVÁQEŠÒÜVÁVUÞÒÁYTÜÁEÉÄQEÁ, @}^Á •^¦Á, āļÁ^&^āç^Á]^¦ā[å&BÁ^{ ā}a^¦Á[}^•Á; -ÁseÁ; ^••æ*^Á; æssē]*ÁseA*B; c^¦çæ*•Áàæ*-^åÁ;}Ás@A*Áā; ^¦È	G	<del>€€</del> ÎÎ €ÁÇ ÂJ ° c^•D	€€

TRANS/PGM 222	BTN	RANGE	DEFAULT
INTER DIGIT TMR Sets the maximum allowed time between user dialed digits; at expiration, the user will receive an error-tone.	3	00-300 (seconds)	015
INC CO INTER DIGIT TMR Sets the maximum allowed time between dialed digits from the Incoming CO.	4	01-60 (seconds)	15
NORMAL NO ANSWER TMR No answer timer for normal CO ring	5	001-600 (seconds)	30
DID NO ANSWER TMR No answer timer for DID CO ring	6	001-600 (seconds)	30
CO RECALL NO ANS TMR No answer timer for recall CO ring	7	001-600 (seconds)	30
CO FWD NO ANSWER TMR No answer timer for forward CO ring	8	001-600 (seconds)	30
CO XFER NO ANSWER TMR No answer timer for transfer CO ring	9	001-600 (seconds)	30

## System Attributes (TRANS/PGM 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 the following table for a description of the Attributes and the data entries required.

- Press the [TRANS/PGM] button and dial 223 for System Attributes I
- Press the Flex button for the desired Attribute, refer to the following Table.
- Use the dial pad to enter desired data for the Attribute.
- Press the [SAVE] button to store the data entry.

TRANS/PGM 223	BTN	RANGE	DEFAULT
WEB ADM PSWD ENCRYPTION 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.	1	0: Off 1: On	0: Off
PULSE DIAL BREAK RATIO The break/make ratio for pulse dialing through analog CO line.	2	0: 60/40 1: 66/33 2: 50/50	1: 66/33
VM SMDI ENABLE 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.	3	0:Off 1:On	0: Off

VÜŒÞÙÐÚÕTÁGCH	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
XT ΦÓÁÙT VÚÁÚU ÜVÁÜÄÜT VÚÁÚ[¦σÁ[¦ÁKT ΦÁ, ^••æ*^Á:Ē; æáÁ,^}åā;*È	I	€€€€ËJJJ	€€GÍ
ÞÒVY UÜSÁÖCEVÖÐVOT ÒÁNÙÒÁŒÄQÁ^ÓÁĮÁJÞÊÁ©ÁÛ^•¢^{Á]åææ^•Ás@Á Öææ^ÁBÁ/ā[^Á;ão@Áp^ç[¦\ÁÖææ^ÁBÁ/ā[^Á;@}Áo@ÁÛ^•¢^{ÁÖææ^ÁBÁ Vā[^ÁāsÁsā~¦^}dÈ	ĺ	€KÁU~ FKÁU}	€kÁ∪~-
ÔŠŒÁÚÜŒPVÁŒÄŒÁ^œÁţÁUÞĒÃÔŠŒÁş-{¦{ææãţ}ÁsrÁş¦āje^åÈ	Î	€KÁÚ~ FKÁÚ}	€KÁU~
VŠÙÁØUÜÁY ÒÓÁŒÄÒ}æà ^•Á√;æ)•][¦oŚsæî^¦ÁÙ^&∵¦ãcÁÇVŠÙÁ;¦ÁY^àÁ æ&&^••È	Ϊ	€KÁÚ~ FKÁÚ}	€KÁU~
Y ÒÓÁUÒÜXÒÜÁÚUÜVÁËÉY ^àÁÛ^¦ç^¦Áj[¦ơÁjˇ{ à^¦È	Ì	FËÍÍH	Ì€
ÖÓÁŒWUÁÖUY ÞŠUŒÖÇY ÒÒSDÆŒÄÖ^&¦{ã,^•Á, @}Ár^•&{Á åæææàæ•^Áå[,} [æå•Áq[ÁNÙÓÁæčq[{æææææ ^Ê	J	€KÁÚ~ FKÁÚ}	€KÁU~-
ÖÓÁÖUYÞŠUŒÖÁÇVOTÒDÁŒÁÙ^œrÁs@Ása[^Á{¦Ár^∙c^{Ásæææàæe^Á å[,}∥[æåÁqÁnÙÓÁsĕd{æsææe∯È	F€	€€ËGH	€€
WÔÁJÒÜXÒÜÁŒÁÖÖÖÜÒÙÙÁŒÁNÔÁJ∕\ç^¦ÁŒÁŒå¦^••È	FF	Ë	Ë
ÔVŒĴUÒÜXÒÜÁŒÁŒÖÖÜÒÙÙÆŒÃÔVŒĴU^¦ç^¦ÁŒÁŒåå¦^••È	FG	Ë	Ë
TUÖÒTÁCHÙÔÁÔUÁŠOÞÒÁËËÄT[å^{ÁOE•[&ãæe*ÁÔUÁŠäj^È	FH	€EFËG€	€€€
ÓÚÁÚPUÞÒÁÜÒÕÁÓŸÁÙVŒÁÞWTÁĒËÔ}æà ^•ÁÓÚÁ, @}^Á^*ārdæái}Áa^Á •ææái}Á,*{à^¦È	FI	€KÁU~ FKÁU}	€KÁU~

# System Password (TRANS/PGM 226)

NOTE: V@¦^Áæ'^Á,[Áå^æ'•,[¦å•Éæd|Áæ•,[¦å•Á\`•ơá\Á,¦[\*¦æ{ { ^åÈ

FÈ Ú¦^••Ác@ ÁŽVÜŒĐÙĐÚÕT áÁà čơ[}Ása) åÁåãæþÁGGÎÈ

ŒĹÚ¦^••Ás@ÁØ|^¢Áà\*cq[}Á[¦Ás@Áå^•ã^åÁjæ•,[¦åK

ËÁØ|^¢ÁFKÁW•^¦Ájæ••¸[¦åÈ

ËÁØ|^¢ÁGKÁŒå{ājÁjæ∙,[¦åÈ

ËÁØ[^¢ÁnHÁTæā]¢^}æ)&^Ájæ•, [¦åÈ

#### 4. Press the [SAVE] button to store the password entry.

TRANS/PGM 226	BTN	RANGE	DEFAULT
USER PASSWORD Includes configurable database access in Web Admin., and cannot access Keyset Administration functions.	1	12 digits	none
ADMIN PASSWORD Includes configurable database access in Web Admin., and can access Keyset Admin.	2	12 digits	none
MAINT PASSWORD Includes full and unlimited access to database and maintenance functions.	3	12 digits	none

# Alarm Attributes (TRANS/PGM 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 the programming table below for a description of the features, the data entries required and LCD displays for each attribute).

- 1. Press the [TRANS/PGM] button and dial 227.
- Press the desired Flex button, refer to the following Table.
- 3. Use the dial pad to enter desired data for the attribute.
- Press the [SAVE] button to store the data entry.

TRANS/PGM 227	BTN	RANGE	DEFAULT
ALARM ENABLE Enables the external contact monitoring circuitry.	1	0:Off 1:On	0:Off
ALARM CONTACT Establishes the contact state that will activate the Alarm, close or open.	2	0:Open 1:Close	0:Open
ALARM MODE The contact can be designated to function as a doorbell instead of an alarm.	3	0:Bell 1:Alarm	1:Alarm
ALARM SIGNAL MODE The assigned stations will receive a Repeating signal or single burst (ONCE) of the alarm tone.	4	0:Once 1:Repeat	1:Repeat

# External Control Contacts (TRANS/PGM 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.

V@ Á&[} cæ&cÁ; æ Áæ¢c';} ææãç^|^ Áa^Áæ&cã;ææ^å Áæ Áæ¢Ö[[¦ÁŠ[&\ÁÜ^|^æ•^Á&[} cæ&cÆ; @}Ás@ ÁÖ¢c';}æþÁ Úæt ^ÁZ[}^Æi Áæ&&^••^å ÆA

FÈ Ú¦^••Ás@AÃ/ÜŒDDŰÐŰÕTáÁsì œ[}Ása)åÁsåæedÁGGÌÈ

Œ W•^Ás@ ÁsãædÁ æsåÁs Ár} c^¦Ás^•ã^åÁsæææÈ

€KÁP[cÁN+^å FKÁŠÓÔÁÉÁ cæcá[}Á,\*{à^¦ÉÁǰ¢ÉÁFÍ€D GKÁÖ[[¦ÁŠ[&\ÁÜ^|^æ•^ HKÁÒ¢c°¦}æ∮ÁÚæ\*^Áæ&&^••

HÈ Ú¦^••Ás@ÁŽUŒKÒáÁsča[}Áq[A^Ás@ÁÒ¢¢^\]æ\$dÁsææÁ}d^È

## Music Sources (TRANS/PGM 229)

FÈ Ú¦^••Ás@AÃVÜŒĐÙĐÚÕTáÁà cd;}Ása)åÁåãæþÁGGJÈ

Œ Ù^|^&oÁs@^Ás^•ã^åÁØ|^¢Ás`o[}ÊÁ^~\Á[Ás@A[||[¸ã,\*Á/æà|^È

HÈ W ^ Ás@ Ás ã a Ás Ás Ás Ás / ^ | ^ & As @ Ás ^ • ã ^ å Ás ~ • a & ÁÙ [ ~ | & ^ È

IÈ V[Áræç^Ás@-ÁTˇ•&&ÁÛ[ˇ¦&^ÊĞ;¦^••Ás@-ÁĞÛO5XÒæÁsčα[}È

TRANS/PGM 229	BTN	RANGE	DEFAULT
ICM BOX MUSIC CH assigns the music source for ICM BOX.	1	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 5	1
INT MOH TYPE assigns the music for internal MOH.	2	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	-
VMIB MOH assigns the VMIB Prompt index of VMIB Slot YY for VMIB MOH X.	3-6 for MPB300 (3-5 for MPB100)	01-70	-
SLT MOH assigns the SLT ports for SLT MOH.	7-11 for MPB300 (6-10 for MPB100)	-	-

# RS-232 Port Settings (TRANS/PGM 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).

- Press the [TRANS/PGM] button and dial 230.
- 2. Select the desired Flex button, refer to the following Table.

HÈ W^^Ás@ ÁsiāæþÁjæsáÁg Ár}c^¦Ás@ Ás^•āl^åÁÚ[¦oÁsæææÈ IÈ Ú¦^••Ás@ ÁĞÜOEXÒæÁs\*cq[}Ág Árq!^Ás@ ÁÚ[¦oÁÖæææÁr}d^È

VÜŒÞÙÐÚÕTÁCH€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÓCENÖÁÜCE/ÒÁËÄÖ•cæàjã@•Ás@ÁÖCENÖÁæe^Á;¦Ás@AÜÙËGHGÁ^¦ãæÁ;[¦dÈ	F	FKÁJ΀€ GKÁFJG€€ HKÁHÌI€€ IKÁTÏG€€	ÍKFFÍG€€
ÚOTĚÒÁÓÜÒOTSÁTÉÁV@Ár^•c^{ Á&æ)Ár^}åÁsæÁ;æ*rÁs¦ræ;hÁs[{ @ åÁ;ç^¦Á c@Ár^¦æ;e;A[¦cóse;Ác@Ár)åÁ;-Áræ&@Á;æ*rÈ	G	€KU~ FKU}	€KU~-
ŠŒÒÁÚÒÜÁÚŒÕÒÁŒÜÖ^&¦{ ā}^•ÁÚæ*^Ár}*œ®Á@Á; { à^¦Á;-Áq}^•Ás@Á •^•&{ Á¸q Á^}åÁs^-{¦^Á^}åā;*ÁsÁÚæ*^Ás¦^æÈ	Н	€€FËJJ	îî
ÝUÞÐÝUØØÄŒÖ) æì ^•ÁÝUÞÐÝUØØÁ;¦[ ₫ &[  È	I	€ÝU~ FKÝU}	€ <b>Ý</b> U~

## Serial Port Function Selections (TRANS/PGM 231)

 $V@A\hat{U}^{\bullet} \circ \langle A@=A_{1} \rangle \wedge A\hat{U}\hat{U}AG+GA_{1} = AA_{1} | AA_{2} \rangle AA_{2} \wedge AA_{2} \wedge AA_{3} \wedge AA_{4} \rangle AA_{4} \wedge AA_{4$ 

Òæ&@A; `q` oÁ; } &ca[; } Ána Ánæ• at } ^ a ÁnæA)^ ¦ āæ4Á; [¦oÁ; ¦ÁvÔÚÁ&@æ); } ^ |Ás@ænÁna Á:• ^ a Át[A[; `q` oÁs@ Á
a] -{¦{ aæa[; } ÈÁNQ Ánæå à ãta[; } ÊÁnæÁ ÔÚÁ; [¦oÁ; `• oÁs ^ Ánæ• at } ^ at } ^ a Á; @} ÁnæÁ; } &ca[; } Ána Ána Át[Á:• ^ ÁnæÁ ÔÚÁ
&@æ); ^ |È

NOTE: Òæ&@Á`} &æi} Á&æ) Áà^Áà^-ā}^åÁţ Á·•^Á;}|^Á;}^Á;`d``óÆ;^-A\Áţ Á/æà|^Áţ \Áæà|^Áţ \Áæà|^Áţ \Áæà|^Áţ \Áæà|^Áţ \Áæà|^Á\$; Á\$@ Á•^|^&æi|^Áţ \Áæà|^Á\$; Áæà|^Á\$; Áæà|^Á\$; Áæà| ÁÁÖÔÁåã] |æi•ŪÈ

FÈ Ú¦^••Ás@ÁŽVÜŒÞÙÐÚÕTÁÁàča(}Áse)åÁåãæþÁGHFÈ

QÈ Ù^|^&oÁs@^Ás^•ã^åÁØ|^¢Ás\* od}ÊÁ^~^¦Ág Ás@^Á; ||[ ā,\*Á/æà|^È

HÈ W^^Ás@ ÁsiãædyÁjædáÁg Án}c^¦Ás@ Ási^•ãi^åÁÚ[¦cÁsiææækK

€KÁÔUT ÇÙ^¦ãæ∮Á,[¦ơÁ,}ÁT ÚÓD

FKÁ/ÔÚÁ&@;}}^|ÁF

**CHÁ**VÔÚÁ&@@;} } ^|ÁG

**HKÁ**/ÔÚÁ&@@;} } ^|ÁH

I KÁVÔÚÁ&@@;} } ^ |Á

Í KÁ VÔÚÁ&@ @ } ^ |Á

IÈ Ú¦^••Ás@ ÁÃÙOEXÒáÁs α[}Áq[Á•q[¦^Ás@ ÁsææáA)}d^È

TRANS/PGM 231	BTN	RANGE	DEFAULT
ON LINE SMDR Defines the serial port or TCP channel used for the On-line SMDR.	1	0-5	СОМ
OFF LINE SMDR Defines the serial port or TCP channel used for Off-line SMDR.	2	0-5	СОМ
SMDI Defines the serial port or TCP channel used for the SMDI output.	3	0-5	COM1
CALL INFO Defines the serial port or TCP channel used to receive Call Information output.	4	0-5	СОМ
TRAFFIC Defines the serial port or TCP channel used for the TRAFFIC report output.	5	0-5	СОМ
TRACE Defines the serial port or TCP channel used for the Trace output.	6	0-5	СОМ
ADMIN Defines the serial port or TCP channel used for the ADMIN Report output.	7	0-5	СОМ

#### SMDR Attributes (TRANS/PGM 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).

- Press the [TRANS/PGM] button and dial 232.
- 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.

VÜŒÞÙÐÚÕT ÁCHG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙT ÖÜÂÜÒÜXÕÕÀÄÄÄUT ÖÜÁÜ^¦çæk^ÁU] cáţ} ÈÁ U} EŠą^ÁpÁU~EŠą^ÁÜT ÖÜÁBÜT ÖÜEÖ;c^¦-æ&^ÁpÁ Ò{ æájÁU^¦çæk^Áb&æyÁs^Ár}æà ^å	F	€ KÁD [ CÁM * ^ F KÁU } ÉŠ ∄ ^ C	<b>€</b> KÞ[ σÁV•^
UWO OU O O ÕÁÜÒÚUÜVÁĒĂUˇ ơ [ 尋 * ÁÔæ þÁÜ^] [ ¦ cÁ U] cā } Á [ ¦ÁÙT ÖÜÁÛ^¦çã& È QÁ cῶ Á; ] cā } Ás Á ^ cấĄ ˇ ơ [ 尋 * Á&æ þÁ, ā þÁs ^ Ás, & þ ǎ ^ å Á æ ÁÙT ÖÜÁSæææ	G	€KU~ FKU}	<b>€KU~</b>
中ôUT 中ôÁÜÒÚUÜVÁ莊敬,名[{ 湧 * ÁÔæļÁÜ^][¦cÁ           U] cā;}Á;¦ÁÙT ÖÜÁÚ^¦çã&^È           GÁGĀ;Á;cā; Áā Á^cÁĀ; A[{ 湧 * Á8æļÁ; 引Á5^Á; A]* å^åÁ           æÁUT ÖÜÁsæææ	Н	€KU~ FKU}	<b>€KU~</b>
⑥ TÁÜ ÒÚU Ü VÁ莊(	_	€KU~ FKU}	€KU~~
ŠUÙVÁÔCEŠŠÁÜÒÚUÜVÁĒŽÁUČĒ [ā]*Á; LÁQA[{ā]*Á Š[•OÁÔæHÁÜ^][LOÁU]Œ]}Á(LÁUTÖÜÁÛ^LÇÆZ^EÁQÁŒ}Á []Œ]}ÁsAÁ*OĚŽÔUÁ[•OÁSæHÁ,ā]Ás^ÁSA¥*å^åÁæAÁ ÙTÖÜÁsæææ	Í	€KU~ FKU}	<b>€KU~</b>
ÜÒÔUÜÖÁ/ŸÚÒÁŒÁ^^Ó\$[Á;}ÊŠÖÁ\$æ]•Áæ^Á ãa^}æðàÅá^ÁæÆŠUÞÕÁÖÒÙVÁÔŒŠŠÄÖÕVÁ Ô[`}&\LÁ®Á^•¢{Ásæ}Á^&[¦åÁæ]Á`č[ā;*Ásæ]•Á [¦Á;} ^Á[}*Ásæææ;&^Ásæ]•È	Î	号C環ÁÔæ削 FIŠÖ	€KŒIÁÔæII
ŠUÞŐÁÖÒÜVÁÔCIŠŠÁÖŐVÁÔÞVÁŒÄÖãæ†^åÁ,`{ à^¦•ÉÁ ¸ @&@^¢&^^åÁ;@Áse•āð}^åÁSÖÁÖðããÁ&[`}dÆæ4^Á &[}•ãa^¦^åÁ[]*Ásãææ3&^Á&æ4)•Á[¦ÁÙTÖÜÈ	Ϊ	€ÏËTÍ	€Ï
ÔWÜÜÒÞÔŸÁMÞŒÁĒÉV@Á}ãóÁÁ&`;\^}&`Á•^åÁ -{¦Á&æ∯Æ(•óÆæ)Ás^Áãô^}æã³åÁ¸ãæÁhÁæ)æÁ &@æbæ&c•Á{¦Áxæ°Á^△;^}&^È	Ì	Tæ¢Án√&@eèæ&c^¦•	Ë
ÔUÙVÁÚÒÜÁÚWŠÙÒÁĒÁ @}Á;^ơ¦ā,*ÁnÁ¦[çãn^åÁà^â^Ás@ÁÚÙVÞĒÁS@ÁS[•ơÁ^¦Á;^ơ¦ā,*Áiˇ •^Ásæ)Ás^Áæ•ā?^åÈ	J	ÎÁsããē	€€€€€€

TRANS/PGM 232	BTN	RANGE	DEFAULT
SMDR FRACTION Determines the position of the decimal in the Cost per Pulse, starting from the right-most digit.	10	0-5	0
HIDDEN DIALED DGT 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, TRANS/PGM CODE 131 button 7.	11	0-9	0
HIDDEN DGT POSITION When "HIDDEN DIALED DIGIT" is enabled, button 12 above, this field determines if leading or trailing digits are hidden.	12	0:Left 1:Right	1:Right
TRANSFER CHARGE MODE  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.	13	0:Individual 1:Integrate Xfering 2:Integrate Xfered	0:Individual
TRANSFER CHARGE  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.	14	0:Normal Charging 1:Atd Charging 2:Xfered Charging	0:Normal Charging
WARNING TONE SVC if this option is enabled and SMDR service type is off-line, the system check free records space. And if free space is less than 1000, warning tone will be served as alarm to Attendant.	15	0:Off 1:On	0:Off

VÜŒÞÙÐÚÕTÁGHG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙT ÖÜÁÔUÞÞÁVŸÚÒÁŒÁ @àÁ敪ð}•Á;[¦ÓÁ;Áà^Á ˇ•^åÁ;¦ÁJT ÖÜÁQ;&¦~&&ÆÐŤÖÜÁQ;&¦~&&Æá •^¦ç^åÁœ[ĭ* @ÃOÆÁ;kÁUQUÈ	FÎ	€NÙOU FKŠOEÞ	€KÙŒJ
ĒÐJT VÚÁT CESŠÁJÒÜXÒÜÁDEÖÖÜÒÙÙÁEÐJT VÚÁT ÆÐÁ Ù^¦ç^¦ÁQÚÁDÐ å¦^•• ÈÁ	Y ^àÁ U} ^	Ë	Ë
ËÄJT VÚÁT CÆŠÁÚÒÜXÒÜÁÚUÜVÁËÄÚT VÚÁT æ¶Á Ù^¦ç^¦ÁÚ[¦c∕Ápˇ{ à^¦		Ë	Ë
EÄJT ÖÜÁÜÒÚUÜVÒÖÁT OESŠÁDEÖÖÜÒÙÙÁETÄJT ÖÜÁ W≜^¦ÁTæ≨ÁOEåå¦^••È		Tæ¢ÂilÁ&@edæ&c^¦•	Ë
ËÄJT ÖÜÁJT VÚÁT CEŠÁJÖÜXÖÜÁÖÖÁËÄJT VÚÁT ÆÁÁ Ù^¦ç^¦ÁM^^¦ÁÖÖ		Ë	Ë
ËÂÙT ÖÜAÙT VÚÁT CESŠÁÙÒÜX ÒÜÁÚCEÙÙY UÜÖÁËËÁ ÙT VÚÁT ÆÁÁÚ^¦ç^¦ÁW+^¦ÁÚæ+, [¦å		Ë	Ë
ĒÂJT ÖÜLÁJT VÚLÁJÒÞÖÒÜLÁTÖÖÁĒÄJ^} å^¦ÁTāå¦^••Á [-ÁÜ^] [¦&åÁJT ÖÜLÓÖĒT æāļ		Tæ¢ÂilÁ&@edæ&ec^¦•	Ë
ĒÂJT ÖÜÂJT VÚÁJÒÞÖÁY ÒÒSŠŸÁJÒVÁĒĀJ^ ^&Á ÙT ÖÜÁT ÆĀÁJ^} åÁÖæê		Þ£00ÆÁÇT [}åæêËÄÛ`}åæêD	ÞÐŒ
ËÂUT ÖÜÁT OESŠÁÙÒÞÖÁÖOESŠŸÁÙÒVÁĒEÄÛ^⊙ Á cāṭ^Ēṭ-ĒāæÁṭ¦ÁUT ÖÜÁSææÁṭÁÁ^A}oÁ;}ÁÁðáæái^Á àæ•ãrÁÇ€€Áṭ¦Á;[Ásæái?Á^&[¦å•ĒÆFĒÐHÁṭ¦Á@;"¦Á;-Á o@ÁsæÎĒ		€€ÏCH	€€
ÉÁJTÖÜÁTOESSÁCEWUÁÜÒÞÖÁTUÖÒÁEÁGAÁ®Á ÙTÖÜÁs`~~\ÁsÁ;∥ÉÁS®Á,^•¢{Ásæ)Ásĕ∢{ææ38æ4 ^Á •^}åÁsæÁ,[æã8ææ1;}ÁsîÁ;Ë;æ1jÈ		€U~ FKU}	FKU}
ĒÐUT ÖUÁT CESSÁCEWUÁÖÒSÒVÒÁT UÖÒÁĒŽŐ^ ^&•Á ÙT ÖÜÁ^&[¦å•Áse&¦Á^} åā]*ÁE; ænjĒ		€KU~ FKU}	FKU}

## System Date, Time (TRANS/PGM 233)

 $V@^{\hat{A}^{\bullet}} \circ c^{\circ} \{ A \ddot{\Box} a e^{\circ} \dot{E} \dot{A} \ddot{a} \uparrow \bullet c e a \dot{a} | \ddot{a} @^{\circ} \dot{A} \dot{a} \uparrow \bullet c e a \dot{a} | \ddot{a} @^{\circ} \dot{A} \dot{a} \uparrow \bullet c e a \dot{a} | \ddot{a} @^{\circ} \dot{A} \dot{a} \uparrow \bullet c e a \dot{a} \uparrow$ 

FÈ Ú¦^••Ás@-ÁŽ/ÜŒĐÙĐÚÕT áÁà °  $\alpha$ {} Áæ} åÁåãæþÁG+HÈ

CÈ Ú¦^•• Ás@ ÁØ|^¢Áà` cq̄ } Áq̄ ¦Ás@ Áå^• ã^å ÁQEcd ãà` c^ÊÁ^-△¦Áq̄ Ás@ Áq̄ ||[¸ã¸\* Á/æà|^È Ø|^¢ÁFHÁV㸠^Á
Ø|^¢ÁFHÁÖæe^Á

- 3. Use the dial pad to enter desired data for the Attribute
- 4. Press the [SAVE] button to store the data entry.

TRANS/PGM 233	BTN	RANGE	DEFAULT
SET SYSTEM TIME/DATE Sets the system time.	1	HH:MM	-
SET SYSTEM TIME/DATE Sets the system date.	2	MMDDYY	-
DST ENABLE MODE Enables DST feature for System Time.	3	0:Off 1:On	0:Off
- DST START TIME The DST start time.	Web Only	See DST Table	2nd Sunday of March at 2:00 AM
- DST END TIME The DST end time.		See DST Table	1st Sunday in Nov., at 2:00 AM

## Button LED Flash Rate (TRANS/PGM 234)

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

- 1. Press the [TRANS/PGM] button and dial 234.
- Enter the Function range to change the LED Color or Flash rate (refer to Tables).
- 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.
- Press the [SAVE] button to store.

Appendix A: System Programming Tables

VÜŒÐÐÔT ÁGH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ŽÔŒŠŠÁÓŒÔSáÁà`œ[}ÁŠÒÖÁrææ`•Áāj¢\8[{ÁsædjÁaæ&\ÆaÁ æ&æiç^È	F	Ô[ [¦ÁFËH Ø æ•@a]*ÁÜæac^Á⊖⊖ËFI	Ø æ•@ <b>XÁH€Á</b> ÐÚT Ô[ [¦KÁÜÒÖ
ŽÔŒŠŠÁÓŒÔSÁÁ°Œ[}ÁŠÒÖÁœĕ°•ÁÔUÁ°^°Ā;*ÁāÁĀÁ•^È	G		Ø æ-@AFG€ÁÓÚT Ô[ [¦KÁÜÒÖ
ŽÔŒŠŠÁÓŒÔSÁÁ°Œ[}ÁŠÒÖÁrŒĕ°•Á; @}ÁæÁ; ^••æ*^Æá  ^-ÆÈ	Н		Ø æ•@AFG€ÁÓÚT Ô[ [¦KÁÜÒÖ
ŽT W VÒáÁs ˙ α[ } ÁŠÒÖÁ cæc ˙ •Á, @ } Áş[ æk^Æ Á, ˙ c^ åÈ	I		Ø æ @KÁÙ¢\æå^ Ô[  [ ¦KÁÜÒÖ
ŽT W ÒáÁs ˙ α[ } ÁŠÒÖÁ cæc ˙ •Á, @ } ÁÔU ÙÆs Áå[ ¸ } È	ĺ		Ø æ•@\$ÆG€ÁÓÚT Ô[ [¦KÁÜÖÖ
ŽÖÞÖÁÁS` Œ{}ÁSÒÖÁ œeĕ •ÁB,ÁÖÞÖÈ	Î		Ø æ @KAÛ¢*æå^ Ô[  [ ¦KAÜÖÖ
ŽÖÞÖÁÁA ˙ α(; }ÁSÒÖÁn αæc ˙ •ÁB,Án; }^Áα(i, ^AÖÞÖÈ	Ϊ		Ø æ•@A•€ÁÓÚT Ô[ [¦KÁÜÒÖ
ŽÖÞÖÁÁN` Œ{}ÁŠÒÖÁn œec`•Á, @}ÁÛææá[}Áæ••ã}•ÁæÁ ]¦^•^ ^&c^åÁ(^••æ*^È	Ì		Ø æ-@AFÍÁOÚT Ô[ [¦KÁÜÒÖ
ŽÔŒŠŠÁÓŒÔSÆÁ Œ[}ÆŠÒÖÁæĕ •Á,@}ÆŒÞÜÆÆÆ,Á•^È	J		Ø æ-@xá\Ì-€ÁÓÚT Ô[ [¦KÁÜÒÖ
ŽÙÚÒŒSÒÜÆÁ* œ[}ÆŠÒÖÁææč•Á;@}Á;ÆÆÆ[}ç^¦•ææáj}Á *•ā;*Á;@Á;]^æà^¦]@}}^È	F€		Ø æ @AÛc^æå^ Ô[  [ ¦KÁÜÒÖ
ŽÙÚÒŒSÒÜÆÁ* œ[}ÆŠÒÖÁææ*•Á;@}Á(}ÆÆÆ[}ç^¦•ææá]}Á *•ā;*Á;@Á@æå•^œÈ	FF		Ø æ-@AÛc^æå^ Ô[ [¦KÁÜÒÖ
ŽÙÚÒŒSÒÜÁÁsˇœ[}ÁŠÒÖÁnœĕ •Á, @}Á^&^ãçāj*Áæ)Á āj♂¦&[{Á&æ  È	FG		Ø æ•@KÂ.€ÁÓÚT Ô[ [¦KÁÜÒÖ

TRANS/PGM 234	BTN	RANGE	DEFAULT
[HOLD] button LED status while Paging.	13	Color 1-3 Flashing Rate 00-14	Flash: 60 IPM Color: RED
[HOLD] button LED status when in Voice-over mode.	14		Flash: 60 IPM Color: AMBER
[HOLD] Reserved.	15		Flash: 60IPM Color: AMBER
[RING] LED status when receiving an intercom call.	16		Flash: 60 IPM Color: RED
[RING] LED status when receiving an incoming CO call.	17		Flash: 60 IPM Color: RED
[RING] LED status when a message is left.	18		Flash: 60 IPM Color: RED
[HEADSET] LED status when the headset is used (LIP-8000 Phone).	19		Flash: Steady Color: RED
HEADSET] LED status when Bluetooth™ is used (IP-8000 Phone).	20		Flash: 60 IPM Color: RED
[DN] button LED status when I use is active.	21		Flash: Steady Color: GREEN
[DN] button LED status when another station is in use.	22		Flash: Steady Color: RED
[DN] button LED when status in DND.	23		Flash: Off Color: RED
[DN] button LED status when receiving an intercom call.	24		Flash: 60 IPM Color: GREEN
[DN] button LED status when call is in Held state.	25		Flash: 60 IPM Color: AMBER
[DN] button LED status when Call forward is set.	26		Flash: Off Color: RED
[DN] button LED status when I am in conference.	27		Flash: Steady Color: GREEN
[DN] button LED status when another station is in conference mode.	28		Flash: Steady Color: RED
[DN] button LED status when active conference supervisor.	29		Flash: 60 IPM Color: AMBER

VÜŒÞÙÐÚÕTÁGH	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ŽÖÙÙÁNa° α[}ÁŠÒÖÁn œaeč•Á, @}Án^&^āçā]*Ánaa)ÁNjor¦&[{Á &aa  È	H€	Ô[ [¦ÁFËH Ø æ•@aj*ÁÜæac^Á€€ËFI	Ø æ•@XÂ.€Á0ÚT Ô[ [¦KÁÜÒÖ
ŽÖÙÙÁÁa` α[}ÁŠÒÖÁA αæĕ•ÁājÁ&[}ç^¦•ææā[}È	HF		Ø æ @KÛc^æå^ Ô[ [¦KKÜÒÖ
ŽÖÙÙÁÁa° cq[}ÁŠÒÖÁn cæĕ°•Á5,ÁÖÞÖÈ	HG		Ø æ=@ÁU~ Ô[ [¦KÁÜÒÖ
ŽÖÙÙÁNa~ œ{}ÁSÒÖÁn œeč•Á, @}Á&æ Á[¦¸æ¦åÆnÁ^dÈ	HH		Ø æ=@ÁU~ Ô[ [¦KÁÜÒÖ
ŽÖÙÙÁNàč co[}ÁSÒÖÁn cæcĕ•Á, @}Á@æ)å•^óÆn Ájāe^åÈ	Н		Ø æ @ÁU~ Ô[ [¦KÜÒÖ
ŽÖÙÙÁŠač cq[}ÆŠÒÖÁ cæĕ•Á, @}ÁseÁ,¦^•^ ^&c^åÁ; ^••æ*^Á ãrÁse•ãt}^åÈ	HÍ		Ø æ @ÁU~ Ô[ [¦KÁÜÒÖ
ŽÖÙÙÁÁa° co[}ÁŠÒÖÁn cæe°•Á, @}Á&æd ÁanÁa,ÁP^ åÁn cæe^È	HÎ		Ø æ @ÁÛc^æå^ Ô[  [¦KÁÜÒÖ
ŽÔUáÁs α[}ÁSÒÖÁn œeč•ÁsjÁ&æ)Án^č]È	ΗÏ		Ø æ•@ <b>AÎ</b> ,€Á0ÚT Ô[ [¦KÁÜÒÖ
ŽÔUÁs, ˙cd[}ÁŠÒÖÁncæc ˙•Ás,Á&[}ç^¦•æcá[}È	HÌ		Ø ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
ŽÖÞÁNà ´α[}ÁŠÒÖÁn ææĕ•ÁNa,ÁKTÁT^••æt^Án/ænáÈ	HJ		Ø æ•@AFG€ÁDÚT Ô[ [¦KÁOETÓÒÜ
ŽÖÙÙÁNa` œ[}ÁSÒÖÁn œaeč•ÁNg ÁNTÁT^••æt^Án/ænánÈ	I€		Ø æ•@AFG€Á1Ó/T Ô[ [¦KÁÜÒÖ
ŽÔUáÁsi`co[}ÁŠÒÖÁn cæeč•ÁsjÁÔ[{ { æ)åÁÕ¦[ĭ]ÁÔæ Áāj*Á •cæe^È	IF		Ø æ•@MÂ.€Á0ÚT Ô[ [¦KÁÜÒÖ
ŽÔUá%a`α[}ÁŠÒÖÁn œaeč•ÁnβÁÔ[{ { æ) åÁÕ¦[ˇ]ÁÔæ Áæ4\Á •œæn°È	IG		Ø ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (
ŽÔUáÁsi`co[}ÁsòÖÁrcæci•ÁsjÁ/æ \Árcæe^È	ΙH		Ø æ•@\AÛ\c^æ*a^ Ô[ [¦KAÕÜÒÒÞ
ŽÔUáÁs`co[}ÁŠÒÖÁrcæc`•ÁsjÁP[ åÁrcæc^È	П		Ø æ•@\$•€ÁQÚT Ô[ [¦KÁÜÒÖ
ŽÔUÁNS (cq.) ÁSOÖÁ (cæc. • ÁN) ÁÔUÁN æ) • -△ ¦Á (cæc^ È	ΙÍ		Ø æ•@AFG€ÁDÚT Ô[ [¦KÁÜÒÖ
ŽÔU áÁs` cq[} ÁŠÒÖÁ cæĕ • Áş ÁÔU ÁÜ^ &æ‡ Á cææ^È	ΙÎ		Ø æ•@KÁ.Ì€ÁÓÚT Ô[ [¦KÁÜÒÖ
Reserved	ΙΪËÌ	Ë	Ë

#### Color Table

COLOR	DESCRIPTION
1	RED
2	GREEN
3	AMBER

#### Flash Rate Table

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)

# ISDN PPP Web Admin Attributes (TRANS/PGM 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 ŰÖÁÐ åÁjæ••, [¦åÉÁ, Œ&ŒÁ, ˇ•ơÁ, ææ&ŒÁ}}^Á, ÁœÁN•^¦ÁQª•ÁÐ åÁjæ••, [¦å•Áæ••∄}^åÈÁŒÆ°¦Ás@A {ææ&Œð, \*ÁñaÁÐ åÁjæ••, [¦åÁÐ ÁÅ}♂\ÅÅ}♂\^åÊs@ÁTÓÝÁÓÚÁP[{^Ájæ†^ÆāÁ;![çãã^åÁÐ åÁY^àÁŒÁ ∄ĀÁ æ&&∿••^åÉÁ

FÈ Ú¦^••Ás@ ÁŽ/ÜŒĐÙĐÚÕT ÁÁS Œ }ÁS åÁS ÆHÁGHÍÈ

ŒÈ Ú¦^••Ás@ Áå^•ã^åå\Ø|^¢Áà cơ }ÊÁ^~\Á Á Áœ ÁF || ; ā \* Á/æà|^È

HÈ Wh^åÁo@ÁåãædÁ æåÁfÁ} c^¦Áå^•ã^åÁåæææÈ

IÈ Ú¦^••Ás@ ÁÃÙŒKÒáÁà co[}Áq Áq (¦^Ás@ ÁåæææÁ)}d^

VÜŒÐÙÐÚÕTÁGHÍ	ÓVÞ	ÜŒÕÒ	ÖÖØŒVŠV
ÚÚÚÁNÙŒÕÒÆŒå^&¦{ ã,^•ÆÁÚÚÚÆæÁr}æà ^åÆíæà ^åÈ	F	€KU~- FKU}	<b>€</b> KU~-
ÚÚÚÁÖÒÙVŒŒVŒUÞÁÞWTÓÒÜÆÆÄQÁ©Æ\$,8[{ā,*Ææ;ææàäæíÆnÁ ÎIÆsà]•Á}¦^•dæ&c°åÆåäääæækæjååÆ@Æ&æ# ^åÁ;æċćÁ,`{à^¦Á {ææ&@•ÁæÁÚÚÚÆå^•æjææā{}Á,`{à^¦Æ&@Æ^°¢°{Á}# Á æĕ[{ææææ ^Áæ;•¸^¦Áæ@Ææ# Áæ;åÁ^``^•æÁÚÚÚÁÖÖÆæjåÁ ]數[¦åÈ	G	Ùcæaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	Þ[}^
ÚÚÚÁNÙÒÜÁÖÖÁFÁËÄÙ^•¢{ Áæ&&^] œÁ©®AÚÚÚÁÖÖÁFÈ	Н	Tæ¢ÁFGÁ&@dæ&&c^¦•	Þ[}^
ÚÚÚÁÚCĒÙÙY UÜÖÆÆËÄV@Á;數[¦åÁ*}♂¦^åÆáÁ•^åÁ[Á æĭc@¦ã^ÁÚÚÚÁÖÁÆÈ	I	Tæ:ÁFGÁ&@ebæ&c^¦•	Þ[ }^
ÚÚÚÁNÙÒÜÁÖÖÁGÁËÄÙ^•¢{ Áæ&&^] œÁs@AÚÚÚÁÖÖÁGÈ	ĺ	Tæ¢ÁFGÁ&@dæ&&c^¦•	Þ[}^
ÚÚÚÁÚCĒÙÙY UÜÖÁCÄĒŽV@Áj數[¦åÁn}♂¦^åÁaÁrÁ•^åÁqÁ æo@¦ã^ÁÚÚÚÁÖÖÁCÈ	Î	TæÁFGÁ&@edæ&&c^¦•	Þ[ }^

# **Mobile Attributes (TRANS/PGM 236)**

V@ Á|æ @ÁsāãaÁsa) åÁsa] ˇoÁsã ^¦Á[¦Ásæ|Ásæ) • -^¦¦ã, \*Á¦[{ Á;[àã^^Ár¢c^}}•ã;}Ásæ) Ás^Ásæ•ã;}^åÈ

FÈ Ú¦^••Ás@AÃVÜŒÞÙÐÚÕTæÁàčať}Ása)åÁåædþÁGHÌÈ

Œ Ú¦^••Ás@Áå^•ã^åÁØ|^¢Áà œ[}ÊÁ^-^¦Áq Ás@Á[||[¸ã;\*Á/æà|^È

HÈ Wh^åÁo@ÁåãædÁ,æåÁ(Á) c^¦Áå^•ã^åÁåæææÈ

IÈ Ú¦^••Ás@ ÁÃÙOŒ ÒáÁs cơ }Át Át d ¦^Ás@ Ásææá^}}d^

VÜŒĐÙĐŨÕTÁGHÎ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ØŠŒÙPÁÖŒÕQVÆŒÄV@Áļæ•@ÁsããæÁ[{{Á;[àãp^Ár¢ơ}}•ã[}È	F	Tæ¢ÁGÁåãããe	Е
OPÚW Á OT ÒÜÁEÉ V @ Ásjor¦ Ea atānkāj ^¦Áj, Ás@ Á; [à aţ^Á æ @Ás atāc ÇGÁ ^8DÈ	F	€FËG€ÁÇ•^&[}å•D	€Í

## One Digit Service Attributes (TRANS/PGM 237)

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

- Press the [TRANS/PGM] button and dial 237.
- 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

TRANS/PGM 237	BTN	RANGE	DEFAULT
STEP CALL determines if Step Call is enabled or disabled.	1	0: Disable 1: Enable	Disable
DIGIT 1 when accessing a busy tone, User may dial for one of the one-touch services.	2		0: N/A
DIGIT 2	3		
DIGIT 3	4	0: N/A 1: Call-Back 2: Camp On	
DIGIT 4	5		
DIGIT 5	6		
DIGIT 6	7	3: Call Wait 4: Voice Over	
DIGIT 7	8	5: Intrusion	
DIGIT 8	9	6: Hunt	
DIGIT 9	10		
DIGIT 0	11		
DIGIT *	12		Call Wait
DIGIT#	13		Voice-Over

# **Dummy Dial Tone Digit (TRANS/PGM 240)**

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

- Press the [TRANS/PGM] button and dial 240.
- Dial bin no.
- 3. Used the dial pad to enter desired data.
- Press the [SAVE] button to store the data entry

VÜŒDĐĐĐÕTÁGI€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÖWTTŸÁÖQQĞĞÜUÞÒÁÖÕVÁŒÄÖ°{{^ÁÖãæÁ[}^ÁáðãæÈ	Ë	Taq¢ÂnÁsããão∙Á Ç≣ËJÊÁSEÁÀEÁÝD	

# **Executive/Secretary Assign (TRANS/PGM 241)**

FÈ Ú¦^••Ás@ ÁŽ/ÜŒD ÙĐÚÕT ÁÁS (colot) ÁAS) åÁS (ace)ÁGI FÈ

Œ W•^Ás@ Áåãæ Áj æåÁt Ár} c^¦Ás@ Áå^•āl^åÁÒ¢^&` cãç^Đù^&¦^cæ^ÁjæãiÁàājÈ

HÈ Ú¦^••Ás@ Áå^•ã^åÁØ|^¢Áà c [}ÊÁ^-^¦Á [Ás@ Á; || [ ā \* Á/æà|^È

IÈ Ú¦^••Ás@-ÁŠÙOEXÒáÁsì α[}Ás[Án q[¦^Ás@-ÁsaææÁn}d^È

VÜŒÞÙÐÚÕTÁGI F	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÒÝÒÔWVQXÒÁPWTÓÒÜÆËÄŒ• $\hat{a}$ }•ÁÒ¢^&`æç^Ácææã}}È	F	Ë	Ë
ÙÒÔÜÒVŒÜŸÁŒÙÙŒŨÞÁŒÄŒ•ã}•ÁÙ^&¦^œæ^Áææã;}•LÁN}♂¦Á •^&¦^œæ^Áææã;}Áæ)*^ÊÁ;¦Á;¦^••ÁØŠÒÝÆËHÆ;ååå}♂¦Áææã;}Á }~{à^¦ÁqÁæ••ã}È	G	ØŠÒÝÆĒH	Ë
⑥T ÁÔCEŠÁ/UÁÒÝÒÔÁEÄÖ^♂¦{ 尋^•ÁsæḥÁṭ¦, æåå尋*Á, @}Á Ò¢^& cáţ^Đù^&¦^æá∱Ás Á•^È ÙÒÔÜÒVŒÜŸMÁsṭḍÁs ♂¦} æþÁsæþ•ÁṭÁ©ÁÒ¢^&ĔÀŪææā;}ÁÇ¢&^] cÁṭ¦Á &æþ•Áṭ[{ Á·¢^& cáţ^•Áœæ¸ą*Áv¢^& cáţ^Áææ&^•Á¦áţāp^*^□Ásè^Á ¡[ ˇ ♂åÁṭÁœÃù〉&}^œaţ^Áœæ;ą³ Á^*æå∤^••Á;ÁœÃò¢^& cáţ^Á •ææā} Á cæĕ•È ÙÒÔÁŒÁÒÝÒÔÁΦÁÖÞÖHÖKÁs ♂¦}æÁSæф•Áæ¢^Á[ ˇ ♂åÁṭÁ^&\^æô^Á ¸ @}Á¢^& cáţ^Ásá∮ÁÖÞÖŒ	Н	<b>€KÙ</b> ^&\^œ\$\^ FKÙ^&\^œ\$\^Æ\$Á Ò¢^&`@\$\^Æ\$\#ÖÞÖ	<b>€KÙ</b> ^&¦^æ\$^
ÔUÁÔŒŠŠÁ/UÁÒÝÒÔÁĒÄÖ^₾¦{ 蕁^•Á&æ‖Á¡¦¸ æåä¾*Á¸ @}Á Ò¢^&ˇcãç^ĐÙ^&¦^œá¸Á¤Á¸Á•^È ÙÒÔÜÒVŒÜŸKÁæ‖Á¸&[{ ą*ÁÔUÆæã;}Áv*æå °Á;Ác@ÁÒ¢^&ÄÄÜææã;}Áæ4^Á ¦[ˇơåÁţÁœÁÙ^&¦^œæˆÁcææã;}Á^*æå ^••Á;Ác@ÁÒ¢^&čãç^Á •œæˇ•È ÙÒÔÁØØÔÔÔÔÄÖÞÖKÁ¸&[{ ą*ÁÔUÆæ4]•Áæ†Á;´ơåÁţÁ^&& ^œâ^Á ¸ @}Á°¢^&čãç^ÁæÁ¸ÁÖÞÖŒ	I	€KÙ^&\^æ\$^ FKÙ^&\^æ\$^Æ\$Á Ò¢^&`@\$;^Æ\$,ÆÖÞÖ	€KĴv&¦væŧ°

TRANS/PGM 241	BTN	RANGE	DEFAULT
CALL EXECUTIVE 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'.	5	0-2	0
SECRETARY CHOICE Determines order in which secretary stations will receive calls (First Idle/Longest Idle).	6	0-1	0
MSG WAIT STATION 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.	7	0:Executive 1:First Secretary	0

## **Executive-Executive Access (TRANS/PGM 242)**

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

- 1. Press the [TRANS/PGM] button and dial 242.
- 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

# TABLES DATA - TRANS/PGM 250-269

# **Toll Tables (TRANS/PGM 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.

- EÁ QÁN}dāN•Ásd^Áţ}|^Áţ æån^Áş Ás@ÁÖ^}^Á/æà|^ÊÁţ}|^Ás@[•^Á¸ˇ{à^¦•Án}c^\nå¸á|Ásn^Á |^•dā&c^åÁsd;åAsd|Áş c@¦Áş ´{à^¦•Ás&a;Ásn^Ásãædn^åÈ

 $\hat{O}U\hat{A}_{p}^{*} \stackrel{\wedge}{\to} \hat{A}_{p}^{*} \left[ \left\{ \hat{A}_{p}^{*} \hat{A}_{p}^$ 

FÈ Ú¦^••Ás@ ÁŠVÜOÐ ÙÐÚÕT áÁs co[}Áse) åÁsãæHÁGÍ€È

ŒÛ¦^••ÁØ|^¢Áàˇæ[}ÁFËŒK

ËÁ Ø|^¢ÁFKÁŒ|[¸Á/æà|^

ËÁ Ø|^¢ÁGHÁÖ^}^Áæà|^Á

HÈ W^^Ás@ Ásãæ þÁj æ á Ág Ár^|^& cÁsó Ásá ð Áj \*{ à^¦ÁG€€FËF€€€DÈ

IÈ Ú¦^••ÁØ|^¢Áàˇcq[}ÁFËGK

ËÁ Øļ^¢ÁFKÁÖðããc

 $EA = O[\land ¢AGHA(\land) aa) cA[[`]Asa][\land A[]ca[]$ 

ÍÈ W∮^Ás@ÁsãæþÁjæåÁt[Ár}♂¦Ás@Ásãæþ^åÁj~{à^¦Ás^•ã^åÁÇ]Át[ÁrÎÁsãã㕌Á CVIÁs^I^c^ÁæÁVIIÁ⁄æàI^Ár}d^ÉÁ;}d^ÉÁsãæþ^åÄ;d~•Ás@ÆŽÙÚÒÒÖæÁs~cd;}ÈÐ

ÎÈ Ú¦^••Ás@-ÁĞÙOEXÒáÁs`qq[}Áq[Ánq[¦^Ás@-ÁsaææÁn}d^È

ÏÈ W•^Ás@ÁΘ/^¢Ásˇco[}•Ás[Áse]]|^ÁsecÁs@Ás^}æ)cÁ\*¦[ˇ]Áş¦Áş[dĚÁQÁŠÒÖÁseÁsˇ¦}^åÁş}ÊÁs@Ár}d^ÁşÁ æ]]|āråÁs[Ás@Ás^}æ)cÁ\*¦[ˇ]È

VÜŒDÙÐÚÕTÁGÍ€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
CEŠŠUY Á/CEÓŠÒÆEÄed [¸ ÁŠããão È	F	Tæ¢ÁFÎÁ&àãtãæ•	Ë
ÖÒÞŸÁÆÐŠÒÆÆŠ^}^ÁsaðaðeÈ	G	Tæ¢ÁFÎÁ&åããæ•	Ë
VÒÞ ŒÞ VÁŒÁ^}æ) oÁ ¦[ˇ] • Áq Áæ]]   ˆ Áq@ Áææi   ^Án} d ˆ È	Н	FËJÁÇT ÓÝÁQÚÁF€€D FËJÁÇT ÓÝÁQÚÁF€€D	

## **Digit Conversion Tables (TRANS/PGM 251)**

Òæ&@Á/æà|^Áş,&|`å^•ÁnHEEÁn`}dān•Á;Án`]Áq,ÁnTÎÁsāāān•LÁn`}dān•Ás;Án@A/æà|^•Ásæ;Ásn Ásæ)^ÁsāāāA(ŞEË)DÂA [¦ÁNEXÊXXXÀE

 $\grave{O}_{ab} @ \acute{A}_{ab} \mathring{$ 

- 1. Press the [TRANS/PGM] button and dial 251.
- 2. Dial Digit Conversion Table Number (1-9).
- 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
  - Flex 18: DID Name
  - Flex 19: Apply Option
- 4. Use the dial pad to enter the dialed number.
- 5. Press the [SAVE] button to store the data entry.

TRANS/PGM 251	BTN	RANGE	DEFAULT
APPLY T-TYPE The Apply time type to be applied when the dialed digit is dialed.	1	0:Unconditional 1:Follow DNT 2: Follow LCR	Unconditional
DIALED DIGITS The dialed digits.	2	Max 16 digits	-
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'.	3	Max 16 digits	-
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'.	4	Max 16 digits	-
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'	5	Max 16 digits	-
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'.	6	Max 16 digits	-
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'.	7	Max 16 digits	-

VÜŒÞÙĐÚÕTÆÍF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ÖFEVGÁÖPCEÞŐÖÖÁEEÁV@ÁÖUÁŐ¦[*]ÁCES&^••ÁÖ[å^Áse)åÁsaðãæÁ qÁs^Ás^}cÁqÁÚÝÁSÁÖSæÁFEVÆ,^ÁGÓS,@}Ás@ÁsæA*åÁsðãóSæÁ ]¦^••^åÁsÁGE]] ^Ásē,^ÁS]^ÁSæÁGOUŠŠUYÆSÖÜŒ	Ì	Tæ¢ÁrÎÁsâããe•	Ë
ÖFÐVHÁÔPCÐÐÕÒÖÁÐÐV @ÁÔUÁÕ¦[*]ÁDB&^••ÁÔ[å^Áæ)åÁsðãðeÁ qÁs^Án^} oÁqÁÚÝÁSÁÖæÁÐÐVÆ ^ÁÐDÆ ÁÐDVÆ ^ÁHÓÁ @}Ás@Ásæd*åÁsðãðæÁ ]¦^••^åÁsÁÐÐ]] ^Áæ, ^Ác]^ÁsÁOZUŠŠUYÁSÔÜŒ		Tæ¢ÁrÎÁsåããe	Ë
ÖCEVFÁÖPCEÞŐÖÖÁEÉV@ÁÖUÁÖ¦[*]ÁCE&X^••ÁÖ[å^Áæ)àÁsããæÁ qÁs^Áa^}oÁqÁÚÝÁSÁÖæÁCEVÆ,^ÁFÓÁ;@}Ás@ÁsæeYåÁsããæÁ ]¦^••^åÁsÁOE]] ^Áæ,^Ác]^ÁsãÁCEUŠŠUYÆSÖÜÜÈ	F€	Tæ¢ÁrÎÁ&ãããe	Ë
$ \ddot{O} \dot{E} \dot{V} \dot{G} \dot{D} \dot{P} \dot{G} \dot{D} \dot{G} \dot{A} \dot{E} \dot{A} \dot{G} \dot{G} \dot{A} \dot{G} \dot{G} \dot{A} \dot{G} \dot{G} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} \dot{A} A$	Æ	TæçÁrÎÁsâðiðe	Ë
$ \ddot{O} = \ddot{O} + \dot{A} \ddot{O} + \ddot{O} + \ddot{A} \ddot{A} \ddot{O} + \ddot{A} \ddot{A} \ddot{O} + \ddot{A} \ddot{A} \ddot{A} \ddot{A} \ddot{A} \ddot{A} \ddot{A} \ddot{A}$	FG	Tæ¢ÁFÎÁsåããæ	Ë
ÖHÐVFÁÖPCÐÞŐÖÖÁÐÐÁV ØÁÖUÁÖ![*]ÁQB&A*••ÁÖ[å^Áse)åÁsðãðeÁ q Ás^Ás^} oÁq ÁÚÝÁS ÁÖsæÁHÐVQ ^ÁFQÁ @}Ás@ÁSæH*åÁsðãóÆsÁ ]¦^••^åÆsÁQQ]  ^Ásq ^Ás] ^ÁsæÁQQUŠŠUYÆSÖÜŒ	FH	Tæ¢ÁFÎÁsåããæ	Ë
ÖHEVGÁÔPCEÞŐÒÖÁÜÉV @ Ásað æð Ág Ás^Ásaæ†^å Ág ÁÖæð ÁHEVĄ ^ÁGÁ , @}Ás@Ása憰å Ásað æðás Áj¦^••^å ÁsÁCE;] ^Ásą ^Ás]^Ás Á COUŠŠUY ÁSÔÜCÈ	FI	Tæ¢ÁrÎÁsåããæ	Ë
ÖHEVHÁÔP CEÞŐ ÒÖÁEÉV @ ÁÔU ÁÕ¦[*] ÁQE&^•• ÁÔ[å^Áse) å Ásað ão Á q Ás^Ás^) cÁq ÁÚÝ ÁSI ÁÖse ÁHEV (q ^ÁHQÁ @) Ás@ Ásaðey å Ásað ão Ás Á ]¦^••^å ÁSIÁQE]  ^Ásē, ^Ás] ^ÁSE ÁGOU ŠŠUY ÆSÕÜCÈ	FÍ	Tæ¢ÁrÎÁsãããe	Ë
ÖÞVÁ/QTÒÁQÞÖÒÝÁEÐÖæÐÞða®ÐVā(^åÁVā(^ÁVæà ^ÁQà^¢È	FÎ	FËÆ,[}^	}[}^
ŠÔÜÁ/QTÒÁQÞÖÒÝÁEEŠÔÜÁ/ą ^Á/æà ^ÁQpå^¢È	FΪ	FËJÊĄ[}^	}[}^
ÞŒTÒÁEEÁY @ }ÁÖÖÖÁÁ ^ • cāj æzāj }Án cæb • Ág Á āj * ÉÁs@ Áj æg ^ Áan Á åã ]  æ ^ å Ág }Ás@ Áāj * āj * Án cæzāj } © ÁSÔÖÈ	FÌ	Tæ¢ÁrÎÁsåããe	Ë
CEÚÚŠŸÁUÚVQUÞÁĒÉV@ÁQE;] ^ÁU]qā(}Á&aa)Áa^Áaa}] ā^åÁ æ&&[¦åā]*ÁqÁœÁ&æa ^¦È	FJ	€KC≣ FKÙcæca[} GCÔUÁŠã]^ HÖãæà ^	

# **Digit Conversion Options (TRANS/PGM 252)**

- 1. Press the [TRANS/PGM] button and dial 252.
- Dial Digit Conversion Table Number (1-9).
- 3. Press the Flex button (1-2)
- 4. Use the dial pad to enter the dialed number.
- Press the [SAVE] button to store the data entry.

TRANS/PGM 252	BTN	RANGE	DEFAULT
DISPLAY CONV. DIGIT 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.	1	On/Off	Off
PRINT CONV. DIGIT If it is set to ON, the dialed digits are printed to the SMDR.	2	On/Off	Off

# **Time Table Attributes (TRANS/PGM 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 the following table for a description of the funtions, the LCD displays and date entries required.

- 1. Press the [TRANS/PGM] button and dial 253.
- Use the dial pad to enter the desired Table range.
- Press the Flex button for the desired setting; refer to the following Table.
- 4. Use the dial pad to enter the desired flexible button.
- Press the [SAVE] button to store the data entry.

TRANS/PGM 253	BTN	RANGE	DEFAULT
TIME ZONE COMMENT defines the comment of the Time Table.	1	32 characters	none
SYSTEM TIME ZONE defines the Time Zone of the Time Table	2	0-73	0: Sys Time
DAYLIGHT SAVINGS defines Daylight Saving Time of Time Table.	3	On/Off	Off

VÜŒĐÙĐŰÕT ÆGÍ H	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÜQeÕÁTUÖÒÁEÄå^-3}^•Ás@Á3}*Á;[å^Á;-Á/ð; ^Á/æà ^È	I	€ÁÖæê FKÁÞã†@c GKÁVã†, ^å	€Öæ̂
OBWUÁÜ OÞŐÁT UÖÒÁEZÁS^-43, ^•Ás@ÁCE ofÁÜ43, *Á; [å^Á; Ás@ÁV4] ^Á Væà ^È	ĺ	U} ÐJ~Á	U~

# Weekly Time Table (TRANS/PGM 254)

V@Á,ā]\*Á,[å^Ásæ)Ás^Ás[}d[||^åÁsečq[{æea38æ4||^Ás@;[\*@Ás^-ā]ādā[}•ÁsJÁs@ ÁOEq ÁÜā]\*ÁT[å^Áse)åÁ Y^^\|^Á/ā[^Á/æà|^Ásæ\*^åÁn[}Ás@ Á/ā[^Á/æà|^EÁ

V@^ÁrædoÁa[^•Á[¦ÁÖæêÊÁÞa\*a @Áæ)åÁrædoÁæ)åÁs}åÁa[^•Á[¦Áæ4,^åÁ;[å^•Áæ4^Ás]c^¦^åÁ[¦Áæ&6@ÁæêÁ [-Á,^^\È

FÈ Ú¦^••Ás@AÃ/ÜŒĐÙĐÚÕTáÁàčæţÂĠíIÈ

Œ W•^Ás@ÁåãædÁjæåÁgÁn}æåÁgÁn}æåÁgÁn•ãn°åÁen}æj¢Áæ)\*^Á

HÈ Ú¦^••Ác@ÁØ]^¢ÁFËÁ;¦Ác@Ás^•ã^åÁsæÁ;-Á,^^\ÁQT[}åæÊÜ`}åæêŒ

ÍÈ WA^Ás@ ÁsãædAjæáÁg ÁR}c^¦ÁsæÁgā ^ÁQ āñaæh^Ágā ^DDÃEEEEÁg ÁGHÍJÈ

ÎÈ Ú¦^••Ás@AÃÙOEKÒáÁsĭod[}Áq[Ánd[¦^Ás@AsaeaeÁn}c^¦^åÈ

VÜŒÐÙÐÚŌTÁGÍI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
T [ } åæ kÖCBŸ 由 OÕ P V Đ V OT Ò Ö Áð ; * Á, [ å ^ Á cæ d ó kð ē, ^ • Áæ; å Á V OT Ò Ö Á, [ å ^ Á ^ } å Áæ; å Á V OT Ò Ö Á, [ å ^ Á ^ } å Áæ; * • ÉÁ	F	<del>CCCC</del> ÏSHÍ J	Öæ KÁJK€€ Þão KÁFÌK€€ VÖÙKÁ Ë VÖÒKÁ Ë
V^^•åæêÁÖOËBPOÕPVEWOTÒÖÁĀ;*Á;[å^ÁrcædóÁã;^•Áæ;åÁVOTÒÖÁ {[å^Ár}åÁã;^•ÈÁ	G	<del>ecceich</del> 1	Öæ KÁJK€€ Þão KÁFÌK€€ VÖÙKÁ Ë VÖÒKÁ Ë
Y^å}^•åæåÁÖŒŸÞΦÕÕPVÐVŒTÒÖÁÆ}*Á;[å^ÁrædóÆqॉ^•Áæ)åÁVŒTÒÖÁ {[å^Ár}åÁæqॉ^•È	Н	<del>€€€€ÏÖH</del> J	Öæ KÁJK€€ Þão KÁFÌK€€ VÖÙKÁ Ë VÖÒKÁ Ë

TRANS/PGM 254	BTN	RANGE	DEFAULT
Thursday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	4	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Friday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	5	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Saturday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	6	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:
Sunday DAY/NIGHT/TIMED ring mode start times and TIMED mode end times.	7	0000-2359	Day: 9:00 Nite: 18:00 TDS: TDE:

#### LCR Time Table Attributes (TRANS/PGM 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). The TRANS/PGM 255 table provides general descriptive information and input ranges.

- Press the [TRANS/PGM] Button and dial 255
- 2. Press Flex button 1-4, refer to the Table.
- 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.

VÜŒÞÙÐÚÕT ÁGÍ Í	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÖCBŸÁZÞÁEÐÁQI¦Áræ&@ÁaæíÁp, Ás@Á, ^^\ÊæáÖæíAZ[}^ÁQFÁQÁADÁaÁ æ•ā}}^åBÐV@Áæ&æöp,^ÆÖæíÆZ[}^ÁaíÁgæÁZ[}^Áæ•ā}}^åÁqíÁæ∕Æێ;¦^}æÁ åæíÁp,-Ás@Á, ^^\ÁQZ]^¢Áa`æí,}ÁFEIDÈ	F	ØŠÒÝÆĒĀ ÉÆĒH	Z[}^ÁFMÁCE∏Áåæê∙Á [-Ás@-Á,^^\
ÖOĞYÁZUÞÒÁFÁTÉÁV@MÁN}d^Á&^-J}^•Án@AMA ^Á[}^Áj-ÁbæÁA[}^ÁrÁ , @}ÁÖæÁZ[}^ÁrÁmÁmAma&ama^È	G	€€ËG	€EÏG
ÖÖBŸÁZUÞÒÁGÁEÉÁV@MÁN}d^Ása^-#j^^AÁ@Á#I^Áá[}^Á;AsæÁ[}^ÁGÁ ,@}ÄÖæÁZ[}^ÁGÁmÁæKæKæKæK;AÈ	Н	€€ËG	Ë
ÖŒŸŔŹUÞÒÁHÁŒÄŸŒŷŔŊďÂ&^-\$}^•Á@Á\$Į^Á[}^Á;-Å&æÁ[}^Á; , @}ĸÖæÁZ[}^ÁHÁ®Áæ&æ;^È	I	€€ËG	Ë

# Holiday Time Table (TRANS/PGM 256)

FÈ Ú¦^••Ás@·ÆX/ÜQÞÐÐÓTæÁð co[}Áæ)åÁåææþÆGÎÈ

HÈ W ^ Ás@ Á á ã æ Á j Á s & L Á s @ Á a ^ • ā ^ a Á a j È

ΙÈ Ú¦^••Ás@ÁØ|^¢Ás α[}Á[¦Ás@Ás^•ã^ååÁ^ασä,\*LÁ^-Δ¦Á[Ás@Á[|[¸ã,\*Áæà|^È

ÍÈ W•^Ás@^ÁsãæqÁ,æåÁ{Ár}c^\Ás@^Ás^•ã^åÁq^¢ãa|^Ás`α{}

ÎÈ Ú¦^••Ás@ ÁÃÙOEXÒáÁs čo [}Ás[Á;d;¦^Ás@ ÁsaææÁn}d^È

VÜŒÞÙÐÚÕTÁGÍÎ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
$\hat{O}OE\hat{O}DDDDDDATTAO^{4} \land \hat{A} \land $	F	Š~}æ\ĐÕ¦^*[¦ãæ)	Õ¦^*[¦ãæ)
PUŠÖÖCEŸÁÖCEYÒÁEEÄÖ^4],^•Á?[ ãàæÂÖææ^Á[¦Á?[ ãàæÂÁæà ^È	G	TTĐÖÖ	Þ[}^

# System Speed Table (TRANS/PGM 257)

V@ÁÛ^•c^{ÁÛ]^^åÁ&æ}Áà^Áæ••ãt}^åÈ

FÈ Ú¦^••Ás@·ÆX/ÜQÞÙÐÚÕTæÁs`cd;}Áse;åÁsæekÁGÍÏÈ

Œ W•^Ás@ÁsãæþÁjæåÁ[¦Ás@Ás^•ã^åÁ]^^åÁæj\*^È

HÈ Ú¦^••Ás@ÁØ|^¢Áà`ca[}ÁQFËD

ËÁ Ø|^¢ÁFKÁÚÌ^•¢^{ÁÛ]^^åÁÖãæ

EÁ Øl^¢ÁCHÁÁÚ^•¢\{ÁÚ]^^åÁÖãæHÁÞæ{^

ËÁ Ø|^¢ÁHKÁM[||ÁØ|^^

- Flex 4: Tenant No.
- 4. Use the dial pad to enter the dialed number.
- 5. Press the [SAVE] button to store the data entered.

TRANS/PGM 257	BTN	RANGE	DEFAULT
SYS SPD DIAL The System Speed Dial Digits.	1	Max 32 digits	-
SYS SPD NAME The System Speed Dial Name.	2	Max 16 characters	-
TOLL FREE Assignment to apply toll free.	3	0:Off 1:On	0:Off
TENANT NO The tenant number to be applied to the System Speed Access.	4	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

# **Emergency Code Table Attributes (TRANS/PGM 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 iPress the [TRANS/PGM] button and dial 258.

- 1. Use the dial pad for the desired Emergency code entry, 01-50.
- 2. Press the Flex button (1-3)
  - Flex 1: Dialed Digit
  - Flex 2: Changed Digit (To be dialed digits)
  - Flex 3: Tenant number
- 3. Use the dial pad to enter the dialed number.
- 4. Press the [SAVE] button to store the data entered.

TRANS/PGM 258	BTN	RANGE	DEFAULT
DIALED DIGIT The dialed digits from user.	1	Max 16 digits	-
CHANGED DIGIT CO Group Access Code and digits to be sent to PX when user dials the dialed digit.	2	Max 16 digits	-
TENANT NO The tenant number to be applied when user dials emergency code. If this field be left empty, this entry will be adapted to all tenants.	3	Empty, 1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

# **Announcement Table (TRANS/PGM 259)**

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

- FÈ Ú¦^••Ás@AÃ/ÜŒDDŰÐÚÕTáÁsì œ[}Ása)åÁsåædAÁGÍJÈ
- QÈ Wh^Ás@ÁåãædÁ, æåÁ[¦Ás@Áå^•ã^åÁæ)}[\*}&^{ ^}oÁàã,Á;[È
- HÈ Ú¦^••Ás@·ÁØ]^¢Áà cơ }ÁOFË D
  - ËÁ Ø|^¢ÁFKÁV@ÁF• GÁXT QÓÁÙ|[ GÁBÁQE; } [ \* } &^{ ^} GÁP[

  - ËÁ Ø|^¢Á KÁÔÔÜÁQ å^¢ÁÞ`{ à^¦
- IÈ Wh^Ás@ ÁhãædÁ ædhÁ ædhÁf Áh} ch¦Ás@ ÁháædhháÁ, ~{àh¦È
- ÍÈ Ú¦^••Ás@^ÁÃÙOEXÒáÁa`cq[}Áq[Ánq[¦^ÁaæææÁn}e^¦^åÈ

VÜŒÞÙÐÚÕTÆGÍ J	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
V@ÁxTÓÓÁ [[œÍBÁÚ¦[{]œÁp[EÁN[Ás^Á•^åÁ[¦Áp æíð]*Ás@ÁxTÓÓÁ CE;}[ˇ}&^{^}œÁp[È	FË	XTOÓAÛ [œ¶ŒŒËÈÌDÁSÁ Ú¦[{]œÁÞ[ÁÇŒFËË€D	Ë
ÔÔÜÁQå^¢Á•^åÁ(¦Á; æ;ã;*Á;@;ÁXT ΦÁQ;}[ˇ}&^{ ^}ơÞ[È	ĺ	FË€€	Ë

# **Customer Call Routing Table (TRANS/PGM 260)**

- FÈ Ú¦^••Ás@AÃVÜŒÞÙÐÚÕTæÁà co(}Ása)åÁåãæþÁG΀È
- CÈ W ^ Ás@ Ásãæ Á; Ár ^ | ^ & Óæ ÁÖÔÜ Á æà | ^ Áş å ^ ¢ ÉEEF ÉF €€ ÉÁV @ Ás, å ^ ¢ Á; { à ^ ¦ Ás Ás@ Ás, å ^ ¢ Á; Á CE; } [ ` } & ^ { ^ } cÁ æà | ^ ÁÇ / Ü CEÞ Ù ĐÚ Õ T ÁGÍ J D
- HÈ Ú¦^••ÁsáØ|^¢Ás`œ[}Á¶FËFGÆÆFMEÆÆFMEÆÆGWÀDÁ[Ásæ•ā]ÁsæÁ[č¢Á[¦Ás@Ásæ•[&ææ¢åÁÔÔÜÁ åææk^åÁsããŒÈ
- IÈ W•^Ás@ ÁsãædÁ, æsåÁ; ¦ÁÖ^• cã; æsã; }È
- ÍÈ Ú¦^••Ás@ ÁÃÙOTX ÒáÁa`oq[}Áq[Ánq[¦^Ás@ ÁaæææÁn}e^¦^åÈ

TRANS/PGM 260	BTN	RANGE	DEFAULT
CCR TABLE 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.	1-12	Max 8 digits	-

## Customer Call Routing Table (TRANS/PGM 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 (TRANS/PGM 181).

- 1. Press the [TRANS/PGM] button and dial 260.
- 2. Use the dial pad to select a CCR Table index, 001-100. The index number is the index of Announcement Table (TRANS/PGM 259)
- 3. Press a Flex button (1-12, 10=0, 11=\*, 12=#) to assign a route for the associated CCR dialed digit.
- 4. Use the dial pad for Destination.
- 5. Press the [SAVE] button to store the data entered.

TRANS/PGM 262	BTN	RANGE	DEFAULT
ICLID NUMBER ICLID used to match the index.	1	24 digits	None
ICLID NAME ICLID name that is sent by the System to the destination for the ICLID routed call.	2	16 characters	-
INC CO GROUP NO The CO Group Number to apply ICLID route; if not assigned, ICLID is applied to all CO Groups.	3	1-72	-
DAY RING INDEX The index to be routed in Day; the Alternative Ring Index (TRANS/PGM 181).	4	1-80	-
NIGHT RING INDEX The index to be routed in Night; the Alternative Ring Index (TRANS/PGM 181).	5	1-80	-
TIMED RING INDEX The index to be routed in Timed; the Alternative Ring Index (TRANS/PGM 181).	6	1-80	-
TENANT NO The tenant number to be applied the ICLID.	7	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1

## **CLI Conversion Table (TRANS/PGM 263)**

 $V@^{\hat{A}^{\bullet}} \circ \circ \{ A \otimes_{\hat{A}}$ 

FÈ Ú¦^••Ác@ ÁŽ/ÜŒĐÙĐÚÕT áÁà cơ{}Ásq åÁåãæþÁGÎ HÈ

GÈ  $V[A^{\wedge}|^8CA^{\circ}] \circ CA^{\circ}] \circ A^{\circ} A^{\circ} A^{\circ} A^{\circ} \circ A^{\circ} \circ A^{\circ}] \circ A^{\circ} A^{\circ} \circ A^$ 

HÈ V[Á];[\*|æ(ÁÔŠŒÓ[}ç^|•ā[}Á/æà|^É&åãæ|Ás@Áæ]];[]¦ãææ^ÁàājÁ,`{à^|ÁÇ€FÉ €±10Éæ)åÁ^-^|Á[Á c@Á/æà|^È

IÈ Ú¦^••Ás@ÁØ|^¢Áàˇcơ[}Á;¦Ás@Áå^•ã^åÁÔŠOÖÁ/æà|^Án}d^ÊÁ^∞¦ÁgÁ/æà|^È

ÍÈ Ú¦^••Án@ ÁÃUOEKÒaÁnà ˙α[}Án[Án[¦^Án@ Á/ænà|^ÁnaææaÁn}e^¦^ab`

VÜŒÞÙÐÚÕTÁGÎH	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
UÜÕO OPOŠÁÔŠOÁEŽÚ ¦ã jā adÁÔŠOÈ	F	GIÁ båðiðar	Þ[}^
ÔUÞXÒÜVÒÖÁÔŠŒÄÄŐ[}ç^\&åÁÔŠŒ	G	GIÁ bå å ã ē	Þ[ }^

## **CLI Conversion Table (TRANS/PGM 264)**

INDEX	FREQUENCY		CADENCE	REPEAT
	FREQ 1	FREQ 2		
€F	IGÍÁP:	€ÁP:	H€€Á, •ÁJÞÁÐÁG€€Á, •ÁJØØ	GÍÍÁÇÔ[}dÈD
€G	ÎŒ	€	GEEÁ, •ÁUÞÁÐÁGEEÁ, •ÁUØØÁÐÁGEEÁ, •ÁUÞÁÐÁ GEEÁ, •ÁUØØ	GÍÁÇÔ[}dĐ
€H	F€€€	F€G€	Í€€Á, •ÁJÞÁÐÁ,€€Á, •ÁJØØ	Н
€	II€	€	FÁ^&ÁUÞÁBÁÁÁ^&ÁUØØ	GÍÍÁÇÔ[}dÈD
€Í	JÍ €	€	FÁ^&ÁUÞÁÐÁGÁ^&ÁUØØ	GÍÍÁÇÔ[}dÈD
€Î	JÍ €	€	I€€Á, •ÁJÞÁÐÁF€€Á, •ÁJØØ	G
€Ï	JÍ €	€	G€€Á, •ÁJÞÁÐÁG€€Á, •ÁJØØ	Н
€Ì	FI €€	€	FG€€Á, •ÁUÞÁÐÁHG€Á, •ÁUØØ	F
€J	FI €€	€	G∈€Á, •ÁJÞÁÐG€€Á, •ÁJØØ	Н
F€	HÍ€	II€	FÁ^&ÁJÞ	GÍÍÁÇÔ[}dÈ
FF	ΙĠ	€	HO€Á, •ÁJÞÁÐÁH€Á, •ÁJØØ	GÍÍÁÇÔ[}dÈ
FG	ÎŒ	€	GEEÁ, •ÁJÞÁÁGEEÁ, •ÁJØØ	Н

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.)

# Ring Table (TRANS/PGM 265)

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.

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

## Ring Freq/Cadence Table (TRANS/PGM 266)

INDEX	FREQUENCY		CADENCE	REPEAT
	FREQ 1	FREQ 2		
€F	F€€€	F€Œ	GEEÁ, •ÁUÞÁÐÁGEEÁ, •ÁUØØ	GÍÍÁÇÔ[}dÈ
€G	F€€€	F€Œ	I€€Á, •ÁJÞÁÐÁGÁ^&ÁJØØ	GÍÍÁÇÔ[}dÈ
€H	F€€€	F€Œ	I€€Á, •ÁJÞÁÐÁ, €€Á, •ÁJØØ	GÍÍÁŞÔ[}dÈÓÁ
€	F€€€	F€Œ	FÁ^&ÁJÞ	F
€Í	F€€€	F€Œ	Ì €€Á; •ÁUÞÁBÁ €ÉÁ; •ÁJØØ	GÍÍÁÇÔ[}dÈ
€Î	Ì J€	JF€	Ì €€Á; •ÁUÞÁÐÁG €€Á; •ÁUØØ	GÍÍÁÇÔ[}dÈ
€Ï	FG΀	FGÌ €	Ì €€Á; •ÁUÞÁBÁ €ÉÁ; •ÁUØØ	GÍÍÁÇÔ[}dÈ
€Ì	ì €€	ÌŒ	Ì €€Á; •ÁJÞÁBÁ ¢LÁ• ĮÀ€€Í	GÍÍÇÔ[}dæ̀
€J	F€€€	F€Œ	$  \in \mathcal{A} \cdot \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup A$	GÍÍÇÔ[}dÈ
F€	ÌJ€	JF€	$  ( + \frac{1}{2} ) ( + \frac{1}{2} $	GÍÍÇÔ[}dæ̀
FF	FG΀	FGÌ €	$  \in = \hat{A} \cdot \hat{A} \cup \hat{A} \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup A$	GÍÍÇÔ[}dĐ
FG	ì €€	ì Œ	$  \in \mathcal{A} \cdot \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup \hat{A} \cup \hat{A} \cup \hat{A} = \hat{A} \cup A$	GÍÍÇÔ[}dÈ
FH	F€€€	F€Œ	GEEÁ, •ÁJÞÁÐGEEÁ, •ÁJØØ	GÍÍÇÔ[}d∰
FI	F€€€	F€G€	I€€Á, •ÁUÞÁBÁ,€€Á, •ÁUØØ	GÍÍÇÔ[}dĐ
FÍ	F€€€	FG΀	H€€Á; •ÁJÞÁÐÁH€€Á; •ÁJØØ	GĮ (ČČ[}dĒ)

# **Voice Mail Dialing Table (TRANS/PGM 269)**

- FÈ Ú¦^••Ác@AÃ/ÜŒĐÙĐÚÕTáÁà cơ[}Ása) åÁåãæþÁGÎJÈ
- $\begin{array}{ll} \text{CÈ} & \text{W}^{\blacktriangle} \land \text{\'a}@ \land \text{\'a} \text{\'a} \text{\'a} \land \text{\'a} \text{\'a} \land \text{\'a} \text{\'a} \land \text{\'a} \text{\'a} \land \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{\'a} \text{\'a} \wedge \text{$
- HÈ Wh^Ác@ ÁsãæḥÁ; æáhÁ; Án^|^&cÁÚ|^~ā¢Á; IÂŬ`~ã¢Áæ; åÁs@ Ásã ãcÁ^``^} &^ÉÉ h^Ás@ ÁĞT ÙÕĐÔCĒŠŠÓS ÁA
  à`cq[}Ás[Ár]c^!ÁæÁJæě h^ÉÁ^~!Ás[Ác@ÁJææ]^È
- IÈ Ú¦^••Ás@ÁÃÙOTXÒáÁa`cq[}Áq[Á-q[¦^Ás@ÁaææáÁ}g^¦^åÈ

Appendix A: System Programming Tables

TRANS/PGM 269	BTN	RANGE	DEFAULT
VOICE MAIL 1 Put Mail code sent when the voice mail is to receive call to record a message.	1	0: Prefix 1: Suffix Any digits	P#
VOICE MAIL 2 Get Mail code sent when the voice mail is to playback recorded messages.	2	0: Prefix 1: Suffix Any digits	P##
VOICE MAIL 3 Busy Mail code sent when the voice mail is to receive a call while the user is busy.	3	0: Prefix 1: Suffix Any digits	P#*3P
VOICE MAIL 4 DND Mail code sent when the voice mail is to receive a call while the user is in DND.	4	0: Prefix 1: Suffix Any digits	P#*4P
VOICE MAIL 5 No Answer Mail code sent when the voice mail is to receive a call when the user did not answer.	5	0: Prefix 1: Suffix Any digits	P#*5P
VOICE MAIL 6 Error Mail code sent when the voice mail is to receive a call when a dialing error exists.	6	0: Prefix 1: Suffix Any digits	P#*6P
VOICE MAIL 7	7	0: Prefix 1: Suffix Any digits	-
VOICE MAIL 8	8	0: Prefix 1: Suffix Any digits	-
VOICE MAIL 9 Disconnect Mail code sent when the voice mail is to disconnect a call.	9	0: Prefix 1: Suffix Any digits	****

# **TENANTS DATA - TRANS/PGM 270-290**

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

## Attendant Group - TRANS/PGM 270-272

#### Attendant Group (TRANS/PGM 270)

Orco^}åæ)oÁDæænā;}•Ásæ)Ás^Át¦[ˇ]^åÁn[Ás@ænÁsæ)•Á,ā|Án^æò&@Át¦Ásæ)Ásá|^ÁOrco^}åæ)oÁs;Ás@ót¦[ˇ]ÈÁ\ V@ÁD\*•c^{Ásæ)[¸•Ásæ•ā\*}{^}oÁ;Ás@Áj¦[&^••Ás[Ás^Ás]ÁOā&\*|ædÊA/^¦{ājædÊDJāj\*ÊŠS[}\*^•oÁGa|^Á {[å^•È

Ü^^ ká[ká@ Á[||[ ¸ā] \*Á/æà|^Á[ káæán^•& lā] cā[ }Á[ -Ás@ Á\* }&cā[ }•Éá@ ÁšÔÖÁsāē] |æê•Áæ) åÆsæææÁ} dā?•Á '^~ ā^åÈ

FÈ Ú¦^••Ás@ ÁŽ/ÜŒD ÙĐÚÕT ÁNA` œ[}Ása) åÁNa ã æ∮ÁGÏ€È

CÈ W + ^ Ác@ Ásãæ þÁ, æ á Át, Ár} cº ¦ Ác@ Ás^ • āl^ å Ác^} æ) có, ˇ { à^ ¦ Ácp É Át, ¦ Ác@ ÁT Ó Ý ÁCÚ ÁT €€ Áse) å ÁT ËJ Át, ¦ Á T Ó Ý ÁCÚ ÁHEETÈ

HÈ Ú¦^••Ác@ÁØ]^¢Áà cf}Áf¦Ác@Áå^•ã^åÁ^0cā\*LÁ^~\;ÁfÁc@Á;||[ ā \*Áæà|^È

IÈ W^^Ás@ Ásãæ Ájæ Ásá Ás Ár} c^¦Ás@ Ás^•ã^å ÁOEcc^} å æ) cÁÖ¦[\*] Ásææ È

NOTE:  $Q[|\dot{A}|[]]$   $\dot{A}$   $\dot$ 

ÍÈ Ú¦^••Ás@ ÁÃÙOEX ÒáÁa` od;}Ád;Ád;¦^Ás@ ÁåæææÁn}e^¦^åÈ

VÜŒĐÙĐÚÕTÁGÏ€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
OS/VÖÁÕÜÁ/ŸÚÒÁŒÄÖ^-4},^•Ás@Áŝ]^Á;-ÁŒc^}åæ)oÁt¦[ˇ]È	F	€MÁ/^¦{ ājæ; FMÔã&` æ; GMÜāj* HMŐĞ[}*^• OÁGÎ ^	€
O5/VÖÁŐÜÁ>OETÒÁEÄÖ^-¾, ^•Ás@ Á, æ( ^Á( Ásesc^) åæ) o⁴( '[ ˇ ] È	G	Tæ¢Á√rî	Ë
ÔUÁQ5/ÖÁ>WTÓÒÜÁEÖ^A; ^• Áæz^} åæ; ó%æ; Á; à^¦Á; ¦ÁÔUÁ; AÈ	Н	Tæ¢Á	Ë
T ÒT ÓÒÜÁŒĴÕÁŒÃŒ•ã}•Áaæá{}•ÁæÁ; ^{ à^¦•Á;-Áæ}ÁŒc^}åæ)cÁ *![ˇ]È	I	Ë	Øã• oÁÚcæáji}

# Attendant Group Greeting/Queuing (TRANS/PGM 271)

 $\label{eq:control_co$ 

- 1. Press the [TRANS/PGM] button and dial 271.
- 2. Use the dial pad to enter the desired tenant number (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- 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.

TRANS/PGM 271	BTN	RANGE	DEFAULT
GREETING TYPE Determines the type of Greeting Tone to be used.	1	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	1: Normal
GREETING PLAY Determines the Greeting Play time.	2	000-180 (sec)	000
GREETING TONE NO Determines the Greeting Tone number when greeting type is set to Normal.	3	01-19	04
GREETING PROMPT/ANNC Determines the Greeting Prompt/ Announce Number when Greeting Type is set to Prompt or Announce.	4	001-255	Not Asg
GREETING REPEAT NO Determines the number of times the Greeting will repeat.	5	000-100	3
GREETING RPT DELAY Determines the length of time the timer will pause before the greeting is repeated.	6	000-100 (seconds)	0

Appendix A: System Programming Tables

VÜŒÞÙÐÚÕTÁGÏF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÛWÒWŒPÕÁYŸÚÒÄŒÄÖ^&¦{ ā¸^•Ás@Ás]^Á;-ÁÛˇ^ˇā¸*Á[}^È	Ï	FÉÁP[¦{ æyÁ GÉÁU¦[{ ]c HÉÁOE}}& IÈÁOEVÁTUP Í BÉÓÝVÁTUP Î KÁXTOÓÁTUPF Ï KÁXTOÓÁTUPH JKÁXTOÓÁTUPH JKÁXTOÓÁTUPH FEHČUŠVÁTUPF FFIÇÜŠVÁTUPH FHRÙŠVÁTUPH FHRÙŠVÁTUPH	1
ÛWÒWODOÕÁ/OTÒÜÁËËÄÖ^&\{ āj^•Ás@ÁÕ¦^^œj;*ÐÛ`^`āj*Á Vāj^[`œÁjāj^\È	Ì	€F€ÏH€€ÁÇ^&D	€₩€
ÛWÒWŒPÕÁ/UÞÒÁÞUÁŒÄÖ^&¦{ ā,^•Ás@ÁÛ`^`ā;*Á/[}^Á }`{ à^¦Á'•^åÁ, @}ÁÛ`^`ā;*Á/`]^ÁsA^ÁÇÁÞ[¦{ æ È	J	€ËJ	€€
ÛWÒWŒÕÁÜÜUTÚVÁŒÞÞÔÆŒÖ^ơ¦{ã^^Á;@ÁÛ^^¾*Á Ú¦[{]ŒÆÇ}[~]&^Ár~á*Á^oá{Á Ú¦[{]ơÁ¦ÁŒ}}[~}&^È	F€	€€FËĞÍ	Þ[ ðÁŒ*
ÛWÒWŒPÕÁÜÒÚÒŒVÁPUÁŒÄ\$^&\{ \$}^•Ás@ÁÛ`^`&; *ÁÜ^]^ææÁ }`{ à^¦È	FF	€€€ËF€€	Н
ŐÜÒÒVOÞŐÁÜÚVÁÖÒŠOŠÁŒÄÖ^ơ\{ ∄^•Ás@ÁÚæĕ•^Á⁄ã ^¦Á à^{¦^ÁÛ`^`ã,*ÁsÁ^]^æ°åÈ	FG	<del>€€€Ё</del> Т€€ÁÇ^&[}å•D	€
ÛWÒWODOÕÁÔÔÜÁËËV@&Án}d^Ás^-4j^•ÁÔÔÜÁ;]dá;}Ás`¦ā;*Á ``^`aj*Áse}][`}&^{ ^}oÁsAj![çás^aÈ	FH	€Ë	€

TRANS/PGM 271	BTN	RANGE	DEFAULT
SECOND Q. TYPE This entry defines the type of second queuing tone.	14	1: Normal 2: Prompt 3: Annc 4: INT MOH 5: EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10: SLT MOH1 11: SLT MOH2 12: SLT MOH3 13: SLT MOH4 14: SLT MOH5	4: INT MOH
SECOND Q. TIMER This entry defines the timer for forward destination.	15	000-300 (seconds)	30
SECOND TONE NO This entry defines second queuing tone number in case queuing type is normal.	16	01-19	Not Asg
SECOND PRT ANNCThis entry defines second queuing prompt / annc.Number in case queuing type is PROMPT/ANNC.	17	001-255	Not Asg
SECOND REPEAT NO This entry defines second queuing repeat number.	18	000-100	3
SECOND RPT DELAY This entry defines the pause timer before second queuing repeat.	19	000-100 (seconds)	0
SECOND CCR This entry defines CCR option during second queuing announcement is provided.	20	0-1	0

## **Attendant Group Attributes (TRANS/PGM 272)**

Each attendant group has available attributes relating to announcements, timers, forward, etc. The table below provides descriptions for the attributes and dthe ata entries required.

- 1. Press the [TRANS/PGM] button and dial 272.
- 2. Use the dial pad to enter the desired tenant number (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- 3. Press the Flex button for the desired attribute; refer to the Table

IÈ W. I ^ Ás@ Ás ãæ þÁ, æ á Ás Ás (Ás) c^ lÁs@ Ás ^ • ã^ å Ásæ c^} å æ) cÁ l[ĭ] Ásæ dãa č c^ • Ás æææ þÁ^ - △ lÁs (Ás@ Ás ||[¸ã, \* Á Væà |^È

ÍÈ Ú¦^••Ás@ ÁÃÙODXÒáÁs α[}Áq[¦^Ás@ ÁsaææáA)}d^È

VÜŒÞÙÐÚÕTÁGÏG	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠV
ÔŒŠŠÁOD ÁÕÜÒÒVOD ÕÁËÄÖ^ઌ¦{ ૱,^•ÁsÁsæd ÆsÁ[ˇơåÁqíÁs@Á Œơ}åæ)dý, @}ÁÖ¦^^æ]*Áqí}^Ásæfá; æ^åĚÁ	F	€KÁQE¢\ÁÕ¦^^caj* FKÁQÁÕ¦^^caj*	FKÁQÁŐ¦^^cāj*
T ŒYÁÛWÒWÒÁÔUWÞVÁŒÄÖ^¢¦{ ã,^•Ás@ÁÛ`^`^Á&[`}Œ	G	€€ËJ	€Í
②UÜY OEÜÖÁYŸÚÒÁŒÄÖ^♂¦{ 尋 ^ · hó@ hơ[¦¸ æèåhć] ^ há h · ^ há 岳 h · [ há · ^ há · · há · · há · · há · · há · · há · · · há · · · há · · · ·		⊖Κάρ[cÁV+^å FKÁV)&[}å GKÂÚÁUç^¦- [, HKÁVÃ[^Á[,`c IKÁŒ]]	<b>€</b> Káp[ cÁV•^å
ŒÚÚŠŸÁ⁄ŒÒÁŸÚÒÁŒÄÔ^Φ¦{ã,^•Ás@Ásą̄^Ás^œā;*Áṭ¦Á æţ] ^āj*Ás@ÁZ[¦¸æţåÁs]^È	I	€MÁCE  FMÁC)æê GMÁPãt@c HMÁVãt, ^å	€MÓCE
ØY ÖÄÖÒÙVŒPŒVŒVŒÞÁŒÄÖ^&¦{ ∄,^•Ás@Á[¦, æ+åÁå^•Œ}ææã[}Á Çdĭ}∖Áæ&&^••Ás[å^Ás@* åÁs^Ás[& ĭå^å©åE	ĺ	Tæ¢ÁrîÁsaðiãe•	Ë
Y ÜCŒÚÁNÚÁ/T ÜÁĒÄÖ^♂¦{ 尋^•Ás@ÁY¦æ;j Ё]Á/ā; ^¦LÁæÁ { ^{ à^¦Ána Ánaganājama} ^Á, @}Ás@na Ána; ^¦Án¢]ā^•Ásee^¦Ánaá; ^{ à^¦Á *[^•Án;Ána ^È	Î	<del>€€€ÍÍ</del> <del>€€ÁÇF€€</del> { •D	Í
T ÒT ÓÒÜÁÞUÁÐÐÙÁYT ÜÁËÄÖ^¢¦{ ã,^•Ás@ÁÞ[ÁŒ, ^¦Á cā, ^¦LÆÁsÃæÁá, ^¦Áv¢]ã^•ÉÁsÁsæHÁsÁ[č¢åÁqÁs@Á,^¢óÁ ææ°}åæ)c	Ϊ	€Í ÉÍ €ÁÇ^&[}å•D	FÍ
CE/ÖÁÔCEŠŠÁÓŸÁÙVCEÁÞUÁEÉÁVŒÞÁÝ} d^Ása^-āj^•Ásæc/}åæjóÁsæþÁ à^Ásãæþā;*Ásæc/}åæjóÁ; ^{ a^ EĚEÁKÓs@ÁsæþÁ;!Ásæc/}åæjóÁ -{  [,•Á;[;{ æþÁsæþEFKÓs@ÁsæþÁ;!Ásæc/}åæjóÁ;  [,•Á ææc/}åæjóÁ;[*]Ásæþ	Ì	Ë	U~
Ü OD ÕÁD UÁODÐ ÙÁ/T Ü ÁÉÉÁ ØÐ ÁA} d^Áb^	J	€ËTÌ €ÁÇ!^&[}å•D	€
ÚÜUX ©ÖÒÁQEÞÞÔEEÁV @ sán } d^ásn - aj ^ • ásaká ^ • c^{ ásaj • ¸ ^ ¦ás@ Á 8 ad Á, @ } ásaát ¦ ^ ^ caj * Á; ¦Á * ^ * aj * ásaj } [ * } & ^ { ^ } có • ás Á; [ çãs ^ à È		€KÁY ão©ÁOE;•,^¦ FKÁY EDJÁOE;•,^¦	€KÁY ão©ÁOÇi•, ^¦

## Night Attendant Group - TRANS/PGM 275-277

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

#### Night Attendant Group Assign (TRANS/PGM 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 the table below for a description of the functions and the data entries required.

- 1. Press the [TRANS/PGM] button and dial 275.
- Use the dial pad to enter the desired tenant number (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- Press the Flex button for the desired setting; refer to the following Table.
- Use the dial pad to enter the desired Attendant Group data.

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 Digital/LDP/LIP model can be assigned).

5. Press the [SAVE] button to store the data entered.

TRANS/PGM 275	BTN	RANGE	DEFAULT
NIGHT ATTD GR TYPE NightDetermines the type of Night Attendant group.	1	0: Terminal 1: Circular 2: Ring 3: Longest Idle	0: Terminal
NIGHT ATTD GR NAME Determines the name of the night Attendant group.	2	Max 16	-
NIGHT MEMBER ASG Assigns Stations as members of a Night Attendant group.	3	-	-

# Night Attendant Group Greeting/Queuing (TRANS/PGM 276)

Each night attendant group has available attributes relating to the greeting and queuing announcements, time. The table provides descriptions for the attributes and the data entries required.

- FÈ Ú¦^••Ác@AÃ/ÜŒDĐÙĐÚÕTáÁàčæf}ÁciìÈ
- CÈ W ♣ ^ Ás@ Ásãæ Á; Ár} & ¦ Ás@ Ás^ ã ^ å Ás^} æ) oÁ ~ { à ^ ¦ Ág F É Á; ¦ Ás@ ÁT Ó Ý ÁQÚ ÁF €€ ÉÁS) å ÁF ËJ Á; ¦ Á T Ó Ý ÁQÚ ÁF€€TÈ
- HÈ Ú¦^•• Ác@ ÁZ|^¢Áà cơ } Áy ¦Ác@ Áå^•ā^å Ásæd âà cº LÁ^-A¦Át Ác@ Á/æà|^Á
- IÈ W. I ^ Ás@ Ásiãa (Ásiãa (Ásiãa Á
- ÍÈ Ú¦^••Ás@ ÁÃÙOEXÒáÁs co[}Áq[Áq[¦^Ás@ ÁsæææÁy}d^È

VÜŒÞÙÐÚÕT ÁGÏ Î	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÕÜÒÒVŒ ÕÁYŸÚÒÆŒÖ^&¦{ ā¸^•Ás@Ás]^Á; ÆÕ;^^æ¸*Á[}^Á d¸Ás^Á•^åÈ	F	FKÁP[¦{ æţÁ GKÁÜ;[{]c HKÁŒÇYÁT UP ÍKÁÑŢ ŒÓÁT UPF ÏKÁÑŢ ŒÓÁT UPF ÏKÁÑŢ ŒÓÁT UPH JKÁÑŢ ŒÓÁT UPH JKÁÑŢ ŒÓÁT UPF FFKŮŠVÁT UPF FFKŮŠVÁT UPG FGKŮŠVÁT UPH FHKŮŠVÁT UPH FHKŮŠVÁT UPH	F1640-[;{ æ
ÕÜÒÒVŒÕÁYŸÚÒÆŒÖ^&¦{ ā,^•Ár@Ás]^Á;^^æ;*Á[}^Á `•^åÈ	F	enÁno[¦{æµÁ FhÁÚ¦[{]c GhÁŒ;}& HhÁŒpVÁTUP IHÁÔÝVÁTUP	<b>€</b> KÁP[¦{æ‡Á
ÕÜÒÒVOÞÕÁÚŠOĞÁËÖÖ^&¦{ ¾,^•Ás@ÁÕ¦^^æ;*ÁÚ æÁæ;^È	G	€€€ËFÌ€ÁÇI^&D	€€€
ÕÜÒÒVOÞÕÁ/UÞÒÁÞUÁEEÖÖ^&¦{ ₫,^•Ás@ÁÕ¦^^cã;*Á/[}^Á }`{ à^¦Á, @}Át¦^^cã;*Ác]^ÁsÁ^cÁ(Áp[¦{ æ È	Н	€ËJ	€
ÕÜÒÒVOÞÕÁÚÜUTÚVÐÐÐÞÞÓÆËÄÖ^ơ\{ ā,^•Ás@ÁÕ\^^æj*Á Ú\[{]dÁxU\$}[`}&^Áp`{à^\Á¸@}ÁÕ\^^æj*Á/]^ÁseÁr^óÁ§Á Ú\[{]oÁ;\ÁQ\$}[`}&^È	I	€EFİĞİ	Þ[ ðÍÐĒ*
ÕÜÒÒVŒÕÁÜÒÚÒŒ/ÁÞUÁËËÖ^&¦{ ∄ ^•Á@Á; { à^¦Á;-Áqī ^•Á @ÁÕ¦^^æ;*Á; ∄Á^] ^æÈ	ĺ	<del>€€€Ë</del>	Н

Appendix A: System Programming Tables

TRANS/PGM 276	BTN	RANGE	DEFAULT
GREETING RPT DELAY Determines the length of time the timer will pause before the greeting is repeated.	6	000-100 (seconds)	0
QUEUING TYPE Determines the type of Queuing Tone.	7	1. Normal 2. Prompt 3. Annc 4. INT MOH 5. EXT MOH 6: VMIB MOH1 7: VMIB MOH2 8: VMIB MOH3 9: VMIB MOH4 10:SLT MOH1 11:SLT MOH2 12:SLT MOH3 13:SLT MOH4 14:SLT MOH5	4
QUEUING TIMER Determines the Greeting/Queuing Timeout Timer.	8	010-300 (sec)	030
QUEUING TONE NO Determines the Queuing Tone number used when Queuing Type is set to Normal.	9	01-19	00
QUEUING PROMPT ANNC Determines the Queuing Prompt/ Announce Number when the Queuing Type is set to Prompt or Announce.	10	001-255	Not Asg
QUEUING REPEAT NO determines the Queuing Repeat number.	11	000-100	3
GREETING RPT DELAY Determines the Pause Timer before Queuing is repeated.	12	000-100 (seconds)	0
QUEUING CCR This entry defines CCR option during queuing announcement is provided.	13	0-1	0

VÜŒÞÙÐÚŌT ÁGÏÎ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÙÒÔUÞÖÁÛĒÁYŸÚÒÆĒÁVŒ\$Á\$}d^Á\$A~ā;^•Ás@Á\$]^Á;-Ás^&[}åÁ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	FI	FKÁP[¦{ æţÁ GKÁÚ¦[{ ] c HKÁCŒ;}& IKÁCŒ;VÁT UP ÍKÁXT CÓÁT UPF ÏKÁXT CÓÁT UPF ÏKÁXT CÓÁT UPH JKÁXT CÓÁT UPH JKÁXT CÓÁT UPF FFKŮŠVÁT UPF FFKŮŠVÁT UPF FFKŮŠVÁT UPH FHKŮŠVÁT UPI FIKŮŠVÁT UPI	IKÁMO≥VÁTUP
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ÙÒÔUÞÖÁ⁄UÞÒÁÞUÁËËÁ/@āÁ\}d^Ás^-ā¸^•Ás^&[}åÁ`^`ā¸*Á ₫}^Á;`{à^¦Ás,Ásæ•^Á`^`ā¸*Ác]^ÆsÁ;[¦{æ‡È	FÎ	€FËJ	Þ[ ÁŒ*
ÙÒÔUÞÖÁÚÜVÁŒÞÞÔV@sÁ°}d^Ás^-ā,^•Ár^&[}åÁ´°~ã,*Á ]¦[{]ơÆmà}&È*{à^¦Ás,Á&æ•^Á`^`ā,*Ás]^ÁsA ÚÜUTÚVÆÆÞÔÈ	FΪ	€€FËÐÍ	Þ[ ðÁÐē*
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ÙÒÔUÞÖÁÜÚVÁÖÒŠŒŸÆŒVŒMÁY}d^Ás^~4}^•Ás@A;æ•^Ásą̃^¦Á à^-{¦^Án^&[}åÁ*^*j*Á^]^ææÈ	FJ	<del>€€€ÏF€€Á</del> Ç\$^&[}å•D	€
ÙÒÔUÞÖÁÔÔÜÆËÉV@àÁ\$}d^Áa^-4}^•ÁÔÔÜÁ;]dā;}Áà*¦å;*Á •^&[}åÁ*^*3;*Áæ}}[*}&^{{ ^5}}a, d*A*, d*A	Œ	€Ë	€

## **Night Attendant Group Attributes (TRANS/PGM 277)**

 $\label{eq:control_co$ 

- FÈ Ú¦^••Ás@·ÆX/ÜOEÞÙÐÚÕTæÁs`co[}Áse)åÁsæækÁGÏÏÈ
- QÈ W^^Á;@Á;ãæ;Á;æåÁ;Á°} &'¦Á;@Á\$^•ã^åÁ^}æ;ó,`{ à^¦Á;ŢÉ Á;¦Á;@ÁT ÓÝÁ;ÚÁF€€É;À;¦Á T ÓÝÁ;ÚÁ;€€TÈ
- $\overrightarrow{HE}$   $U'_{\cdot} \wedge \bullet \wedge \overrightarrow{A} \otimes$

- 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.

TRANS/PGM 277	BTN	RANGE	DEFAULT
CALL IN GREETING Determines if call is routed to the Attendant when Greeting Tone is played.	1	0: After Greeting 1: In Greeting	1: In Greeting
MAX QUEUE COUNT Determines the Queue count.	2	00-99	05
FORWARD TYPE 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.	3	0: Not Used 1: Uncond 2: Q Overflow 3: Time out 4: All	0: Not Used
APPLY TIME TYPE Determines the time setting for applying the Forward type.	4	0: All 1: Day 2: Night 3: Timed	0: All
FWD DESTINATION Determines the forward destination (trunk access code should be included).	5	Max 16 digits	-
WRAP UP TMR Determines the Wrap-up Timer; a member is available when this timer expires after a member goes to idle.	6	000-600 (100ms)	5
MEMBER NO ANS TMR Determines the No Answer timer; if this timer expires, a call is routed to the next attendant	7	05-60 (seconds)	15
RING NO ANS TMR This entry defines ring no answer timer. If this timer expires, a call is routed to the forward destination according to forward type.	8	0-180 (seconds)	0
PROVIDE ANNC This entry defines if system answer the call when a greeting or queuing announcement is provided.	9	0: With Answer 1: W/O Answer	0: With Answer

#### Tenant Attributes - TRANS/PGM 280-281

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

## Tenant Attributes I (TRANS/PGM 280)

 $\label{eq:control_co$ 

- FÈ Ú¦^••Ás@·ÁŠVÜOÐÐÐÓT ÁÁS od }ÁSQ åÁSãÆHÁGÌ€È
- HÈ Ú¦^••Ás@ÁØ|^¢Áà`cd;}Áf;¦Ás@Áå^•ã^åÁ^ccā;\*ÁC^-A¦Áf;Á/æà|^DÈ
- IÈ W•^Ác@ Ásãæ þÁjæ sáÁg Án} c^¦Ác@ Ás^•ã^ å Á þ^¢ãa þ^Ás` co[}È
- ÍÈ Ú¦^••Ás@-ÁŠÙOEXÒáÁs`α[}Áq[Ánq[¦^Ás@-ÁsæææÁn}d^È

VÜŒÞÙÐÚÕTÁGÌ€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
VÒÞŒÞVÁÐŒFÒÁĒËÖ^৫\{ ã,^•Áx@Á,æ{^Á,ÁV^}æ;Œ	F	Tæ¢ÁG	Ë
VÒÞŒÞVÁÞŒ ÒÆÖŌÙÚŠŒŸÆÆÄÖ^&¦{ ã, ^•Ás@Á^}æ;oÁ;æ; ^Á;Ásã;  æÉÄ	G	€KÁÚ~ FKÁÚ}	€KÁU~
VOT ÒÁ/OĐÓŠÒÁĐĐÖÒÝÁĒËÄÖ^¢\{ \$\pi^\Aja} ^\Aja}  ^\Aja a^\pi\aja^\pi\{\pi} a^\pi\aja of\;[*] È	Н	FË	F
OĐÔÞÜÁÜÒVÜŸÁÔUWÞVÁŒÄÖ^&¦{ ð, ^•Ás@ÁŒÔÞÜÁ^d^Á&[ˇ}Œ	I	€Ű	Н
Y 05SÒÁNÚÁÜÒVÜŸÁÔU WÞVÁŒÄÖ∧ơ\{ ¾ ^•Ás@ÁYæ\^ÁNJÁ^d^Á&[ˇ}dÈ	ĺ	€Ĭ	Н
Y CESÒÁNÚÁÜÒVÜŸÁ/CT ÒÁĒÄÖ^¢¦{ ã,^•Ác@ÁY æ; ^ÁNJ Á^d^Ácā, ^Ácī, à, dè	Î	€€ËŒ	€F
ŒWPÁÜÒVÜŸÁÔUWÞVÁŒÄÖ^¢¦{ã,^•Ás@ÁŒWPÁ^d^Æ{\`}ŒĂ ÇÜ^•^¦ç^åD	Ϊ	€Ĭ	Н
T WŠVŒĴOŒŠŠÁØUÜY ŒÜÖÂÙXÔÂÔUWÞVÁŒÁ\$\^&\{ \$\lambda\dagger^\dagger^\dagger	Ì	€FΪF€	€Í

## Tenant Attributes II (TRANS/PGM 281)

- FÈ Ú¦^••Ás@·ÆX/ÜŒÞÙÐÚÕTæÁs`æ[}Áse]åÁsææþÆGÌFÈ
- CÈ W ↑ ^ Ás@ Ásãæ þÁ, æ ákī, Ár} cº ¦ Ás@ Ás^ ā^ å Ás^} æ) cÁæ) \* ^ ÁsFÉ Á; ¦ Ás@ ÁT Ó Ý ÁSÚ ÁF€€ÉÆ þ) å ÁFÉ Ú Á; ¦ Á T Ó Ý ÁSÚ ÁH€€TÈ
- $H\dot{E} \dot{U}|^{\Lambda \bullet \bullet} \dot{A} \otimes \dot$
- IÈ W•^Ás@-ÁsãæqÁjæåÁg Ár} cº\Ás@-Ás^•ã^åÁq^¢ãa|^Ás`cq[}È
- ÍÈ Ú¦^••Ás@ ÁÃÙOXÒáÁs co[}Áq Áq (^Ás@ ÁsæææÁs)d^È

TRANS/PGM 281	BTN	RANGE	DEFAULT
CONF MEMBER MANUAL ADD 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.	1	0: Off 1: On	1: On
REDIAL METHOD 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.	2	0: One Touch Dial 1: One Touch Log Phone 2: List Dial	2: List Dial
DIAL DIGIT PROCESS 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 phone number	3	0: Type 1 1: Type 2 2: Type 3	2
XFER TO COS 0 STA This entry allows transfer to COS 0 station.	4	0: Off 1: On	1: On

VÜŒÞÙÐÚŐTÆGÌF	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
CEÖÖÁÔUÁDEÔÔÒÙÙÁÔUÖÒÁEËV@ĕÁ}d^Áa∰;•ÁaàåÁÔUÁ CB&X••Á&[å^ÁqíÁş8[{ 3]*ÁÔŠŒÁ[Á^č¦}ÁœA8æ4 È	ĺ	€KÁÚ~ FKÁÚ}	FKÁU}
ÔUÖÒÔÁ/ŸÚÒÁŒÄÙ^•&{ ÁÔ[ å^&Á\$]^È	Î	FKÁŐÏ FF GKÁŐÏ GH HKÁŐÏ GJ IKÁŐÏ GG	FKŐÏ FF
Ó CHÔS ŠOÕP VÁ VÙ CHŨ Ò ÁTEÁ V OŒ ÁN } d^ ÁRHI[, • ÁR AREA   18 OPÁ [] CHI } ÁI, ÁIDÚ ÁU QU } ^ ÁI, & COPÁ AB * ÁI, [ å ^ È	Ϊ	€ KÁCEJÁJ~ FKÁÖæ ÁU} GÁP & @ÁU} HKÁVÃ! ^ & ÁU} IKÁÖÐ PÁU} ÍKÁÖÐ VÁU} ÍKÁDÐ VÁU}	€ÈЩÁJ~
ÔÖÜÁÜÜÒØÓÁNÞT ŒVÔPÁËËVŒÞÁ} d^Ás^æj^•Ás^æĕ oÁ Ôæ AÖ`¦æāj}ÁÜ^•dæBæāj}Ác]^Á, @}ÁæKæa ^åÁjæbcÁ }`{à^¦ÆnÁj[oÁ;æ&@åÁjæGØÁ;!^-ÆnÁæà ^È	Ì	€nÁn UÁÔÖÜ FhÁÑ[&æ‡ GhÁÑ[}* HhÁÑQ¢^¦}æañ[}æ‡ IhÁÑ^åå&ææ^	Ë

## **Tenant Group Access (TRANS/PGM 283)**

Ùczecaji}•ÁsjÁszÁ\*¦[ˇ]Ász4^Ásze||¸^åÁj¦Ás^}ā^åÁs@ÁsceàājācîÁs[Áj|æ&AÁsjc^¦&[{ HDÛUÁ&sze||•Ás[ÁÛczecaji}}•ÁsjÁ [c@¦Á\*¦[ˇ]•Áj}ÁszÁÖ![ˇ]Éa^Ë\*|[ˇ]ÁsiæejāïÈ

FÈ Ú¦^••Ás@ ÁŠVÜOÞ ÙÐÚÕT ÁÁB °C( }ÁS) åÁB ãAHÁGÌ HÈ

HÈ Ú¦^••Áx@ÁØ|^¢Áxì cq[}Áq[Áxx&&^••Ða^}^Áx^}æ)dÁ

IÈ Òæ&@Á^}æ) oÁ&æ) Áà^Á;¦[\*¦æ{{ ^åÁ[Áæ|[¸Á;¦Áå^}^Á&æ|Á[Áæ)[o@;¦Ác^}æ) cÈ

ÍÈ Ú¦^••Ás@-ÁĞÜOEKÒáÁsi°co[}ÁqfÁro[¦^Ás@-ÁsaææáÁ}d^È

## CO Call Restriction - TRANS/PGM 284-285

#### Call Duration Restriction I (TRANS/PGM 284)

Each tenant has attributes relating Call Duration Restriction (CDR) according to call types (refer to the following table for a description of the functions, and data entries required).

- Press the [TRANS/PGM] button and dial 284.
- 2. Use the dial pad to enter the desired Tenant range (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- 3. Press the Flex button for the desired setting (refer to Table).
- Press the [SAVE] button to store the data entry.

TRANS/PGM 284	BTN	RANGE	DEFAULT
NORMAL CO LINE Determines call restriction for Normal CO line.	1	0: No Restriction 1: All Calls 2: Long/ International 3: Internationa	0: No Restriction
DEDICATED LINE Determines the call restriction for TIE line.	2	0: No restriction 1: Restriction	0: No Restriction
LOCAL CALL AFTER R-TIME Determines the operation of Local calls after the Restriction timer expires.	3	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
LONG CALL AFTER R-TIME Determines the operation of Long Distance calls after the Restriction timer expires.	4	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
INTERNAT AFTER R-TIMEDetermines the operation of International calls after the Restriction timer expires.	5	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone
DEDICATED CALL AFTER R-TM Determines the operation of TIE calls after the Restriction timer expires.	6	0: Single tone 1: Repeat tone 2: Single tone & Drop	0: Single tone

## Call Duration Restriction II (TRANS/PGM 285)

Each tenant has available attributes relating to the CDR timer according to call types (refer to the table below for a description of the functions and the data entries required).

- 1. Press the [TRANS/PGM] button and dial 285.
- 2. Use the dial pad to enter the desired Tenant range (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).

$$\begin{split} H\dot{E} & \dot{U}|^{\Lambda\bullet\bullet} \dot{A}_{0} \otimes \dot{A}_{0} \rangle_{\phi} \dot{A}_{0}^{\star} & \langle c_{1}_{1}_{1}_{1}_{1}_{1}_{2}_{3} \otimes \dot{A}_{0}^{\star} \wedge \bullet \dot{A}_{0}^{\star} \dot{$$

VÜŒÞÙÐÚŌTÁĠÍ	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ŠUÔCIŠÁÔCIŠŠÁ/UÞÒÁÜÚVË/QTÒÜÁĒÄÖ^¢¦{ã,^•Ás@Á[}^ÁÜ^]^æÁ cã, ^¦Á;4Š[&æ /&æ  •È	F	€F€ËĞÍ I	€Œ
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Φ V Þ O5/OU Þ ÁÔOSŠŠÁ/U Þ Ò ÁÜÚ V ÁEÄÖ ^ ơ \ { 夏 ^ • Á@ Á [ } ^ ÁÜ ^ ] ^ æÁā ^ \ Á [ ∱Q ơ \ } æã } æþÁæþ • È	Н	€F€ËĞÍ I	€Œ
ÖÒÖÖDE/ÒÖÁÔOEŠŠÁ/UÞÒÁÜÚVÁEÉÖ^¢\{ ā}^•Ás@ÁÜ^]^æÁā{ ^\Á; Á Ö^åä&æe^åÆšāj^Ásæ  •È	I	€F€ËĞÍ I	€Œ
ŠUÔŒŠÁÔŒŠŠÁÖŒÒÁ/TÜÁŒÄÖ^&!{ ∄^•Ár}d^Ás^-ã,^•ÁÖã&[}}^&A Œ[^!Á;-ÁŠ[&æ‡Ææ‡]•È	ĺ	F€Ë€	FÍ
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Φ V ÒÜÞŒYQJÞŒŠÁÖQÌÔÁ/TÜÁĒŽÖ^♂¦{ ¾ ^• Ác@ÁÖã &[}}^&Áã ^!Á; Á Q ♂¦}æã;}æã;}aþÁsæþ•È	Ϊ	F€Ë€	FÍ
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ŠUÔCIŠÁÔCIŠŠÁŪÒÙVÁVTÜÁEEÄÖ^&\{ ā,^•Ás@AÜ^•da8cā;}Ásā; ^¦Á;Æš[8æ‡Á8æ‡]•È	J	€€FÏF€€	€€H
ŠUÞŐ ÁÔCEŠŠÁÜ ÒÙVÁ/TÜ ÁEEÄÖ^&¦{āj^•Ás@AÜ^•dā8cāj}Ásāj^¦ÁjĀŠīj}*Á Öãrcan)8^Áscan •È	F€	€€FÜF€€	€€H
Φ VÒÜÞ ΟΤS/ΟÜÞ ΟΤSÁÜÒÙVÁ/TÜÁTEÄÖ^ &¦{ ∄ ^•Ás@ ÁÜ^•däkcā[}Ásā[ ^¦Á[-Á Φ, α, '}æaā[}æaa •È	FF	€€FÏF€€	€€H
ÖÒÖÖÖCE/ÒÖÁÔCEŠŠÁÜÒÙVÁ/TÜÁEÄÖ^&¦{ ā,^•Ás@ÁÜ^•dæaā;}Ásā; ^¦Á;Á Ö^åæææ°åÆsā;^Ásæ∯•È	FG	€€FÏF€€	€€H

#### Call Prefix Table - TRANS/PGM 286-288

## Local Call Prefix Table (TRANS/PGM 286)

 $\grave{O}_{abb}(\hat{A}_{ab}) = \hat{A}_{ab}(\hat{A}_{ab}) + \hat{A}_{ab}(\hat{A}_{ab}$ 

- 1. Press the [TRANS/PGM] button and dial 286.
- 2. Use the dial pad to enter the desired Tenant range (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- 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.

#### Long Distance Call Prefix Table (TRANS/PGM 287)

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

- 1. Press the [TRANS/PGM] button and dial 287.
- 2. Use the dial pad to enter the desired Tenant range (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- 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).
- Press the [SAVE] button to store the data entry.

#### International Call Prefix Table (TRANS/PGM 288)

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

- 1. Press the [TRANS/PGM] button and dial 288.
- 2. Use the dial pad to enter the desired Tenant range (1-5 for the MBX IP 100, and 1-9 for MBX IP 300).
- 3. Use the dial pad to enter the desired bin number (up to 4 digits can be assigned for the International call prefix index).
- Press the [SAVE] button to store the data entry.

# **Tenant Tone Table (TRANS/PGM 290)**

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

- 1. Press the [TRANS/PGM] button and dial 290.
- Enter tenant range using dial pad. For a single tenant group, just enter the same number twice.
- 3. To program tone, dial tone index (01 73). Refer to the Tone Index Table of Web-Admin (TRANS/PGM 264).
- Press the Flex button.

Appendix A: System Programming Tables

Ø|^¢ÁFKÁ[}^Á/]^
Ø|^¢ÁGKÁ[}^Á/ã| ^
Ø|^¢ÁHKÁ[}^Á/ã| ^
Ø|^¢ÁHKÁ[}^Á][¦σÁS å^¢ÁÇÜ^-^¦Áξ ÁS@Á/UÞÒÁÚUÜVÁ/æà|^D
Ø|^¢Á KÁXT ΦÓÁÚ¦[{] ΦΦξ}[ັ}&^{ ^}σÁÞ { à^¦
Ø|^¢Á KÁXT ΦÓÁÚ¦[{] ΦΦξ}[ັ] &^{ ^}σÁÜ^]^ææÁÞ { à^¦Á
Ø|^¢Â KÁXT ΦÓÁÚ¦[{] ΦΦξ}[ັ] &^{ ^}σÁÜ^]^ææÁQ\*¢¹çæ}

ÍÈ W•^Ás@ ÁåãædÁ, æåÁ{Á) </br>Ó¦Ás@ Áå^•ã^åÁåæææ

ÎÈ Ú¦^••Ás@ ÁŽÙOEKÒáÁs\* cd;}ÁqfÁ,df¦^Ás@ Á/æà;|^ÁsæææÁs}d^È

VÜŒÞÙÐŰÕT ÁGJ€	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
VUÞÒÁ/ŸÚÒÁŒÖÖ^•∄}æ¢^•Ás@Á[}^Ás]^È	F	€FKÁP[¦{ a pÁ/[}^ €GKÁXT CÓÁÜ; [{] c €HKÁXT CÓÁÜ;}[ĭ}&^{^}c €IKÁQ;c^!}a pÁT UP €ÍKÁQ;c^!}a pÁT UP €ÎË£JKÁXT CÓÁT UPÁFECEÐÐÐ F€ÉFIKÁÙŠVÁT UPÁFE	€FKÁÞ[¦{æ†Á/[}^
VUÞÒÁ/QTÒÁEÄÖ^¢\{ã}^•Ás@Áse{[`}¢Á-Ásã,^Á d{}^ÆsnÁ; çãa^åÈ	G	FË€	F€
VUÞÒÁÚUÜVÁËËÁ(}^Á,[¦óÁşjå^¢Á;ÁVÜOÐÞÙÐÚÕTÁ GÎIÈÁV@^Á&æå^}&^Á;Áá{}^Á,[¦óÁ;æ∂Ás^Ás@æ)*^åÁ à^Á.•ā,*Ár^àÈÖÐá{ā}È	Н	FËJ	Ë
ÚÜUTÚVEODEÞÓÁÞUÁEÉÁV@ÁXTÓÓÁÚ¦[{] oÁ;¦Á CŒ;}[ˇ}&^{^}oÁ;ˇ{à^¦Á;@}ÁE;}^Ác]^ÁsÁXTÓÓÁ Ú¦[{]oÁ;¦Áse}}[ˇ}&^{^}dÈ	I	FËGÍ	Ë
ÚÜUTÚVEODEÞÞÔÁÜÚVÁEËÁV@ÁXTÓÓÁÚ¦[{] dÁ;¦Á CE;}[ˇ}&^{^}dÑ^]^ædÁ`{à^¦Á;@}Áe;}^Áe;]^Áe;Á XTÓÓÁÚ¦[{] dÁ;¦Áeè;}[ˇ}&^{^}dÈ	ĺ	€Ё€€	F
ÚÜUTÚVEODEÞÓÁDÞVXŠÁEEÁV@ÁXTÓÓÁÚ![{] oÁ;¦Á CE;}[ˇ}&^{^}oÁÜ^]^ææÁso^¦çæþÁ;@}ÁXTÓÓÁ Ú![{]oÁ;¦Áæ}}[ˇ}&^{^}dÁÜ^]^ææÁso*å?^åÈ	Î	€Ё€€	€

#### Tone Index Table

INDEX	TONE NAME	DESCRIPTION		
F	F• ofÖãæjÁ/[ } ^	V@aÁanÁ,¦[çãa^åÁ, @}Áncaeaá[}Á*[^•Á,~Ë@[[È		

INDEX	TONE NAME	DESCRIPTION
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 TRANS/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
18	Anonymous Call Restriction Tone	Reserved
19	Error Tone (All the other cases)	This is provided in all error cases

INDEX	TONE NAME	DESCRIPTION
G€	Ü^ æææç^ÁÓ [ &\ &] *	V@ā/Āā/¦[çãā^åÁ, @}Árcæā[}Á&æ  •Ás@Á à [&\^åÁrcæā[}È
GF	Ü^ æaāç^Ašāj,^Aš[&\ÁU`c	V@ni/ani/ai/ai/ai/ai/ai/ai/ai/ai/ai/ai/ai/ai/ai
Œ	Ü^ æaqq̄^AÖ[ÁÞ[ơÁÖaqcč¦à	V @ á Áa Á;   ç a å ^ å Á; @ } Ár cæ a í } Ásæ ( • Ár cæ a í } Áa Á ÖÞÖÈ
GH	Ü^ æaqç^ÁCEa•^}&^	Ü^•^¦ç^å
G	Ü^ æaãç^ÁuˇơÁ; Áu¦å^¦	Ü^•^¦ç^å
ď	Ò¢¢^{} æþÁÜ^ æðãç^ÁUˇ¢Á, ÁU¦å^{	Ü^•^¦ç^å
Ğ	Ò¢ơ\} æḥÁÜ^ æaāç^Áuˇơ*[ā]*Á Ü^•da3kaā[}	Ü^•^¦ç^å
Ġ	Ü^ æaãç^ÁR[ơÁÖ^∙\ÁŠ[*[č	Ü^•^¦ç^å
Ġ	P[ ,  å * Á/[ } ^	V@áÁááÁ,¦[çãå^åÁæe^\¦Án;;[¦Áa[}^È
GJ	F* <sup>o</sup> Üāj * ÁÓæ&\ Á[ } ^	V@n/Ān-Án ;[çãn-^åÁ, @ }Án cænān }Ásæn •Ánæ)[c@ ¦Á •cænān[}È
H€	G <sup>à</sup> ÁÜðj * ÁÓæ&\ Á/[ } ^	Ü^•^¦ç^å
HF	ÔUÁÜÐ, *ÁÓæ&\Á([}^	V @ A A A     [çãa^å A A A A A A A A A A A A A A A A A A A
HG	Ü^&æ ÁÜ3] * ÁÓæ&\ Á/[ } ^	Ü^•^¦ç^å
Н	$Z[ }^{\hat{a}} = \hat{a} * \hat{a} * \hat{a} = \hat{a} * \hat{a} = $	V@āÁānÁ,¦[çãã∧åÁ, @}Áncæaã[}Án;æì∧•ÁaAÁæði,æðā]*È
Н	Ô[{ { aa} åÁÔæ ÁÜā]*ÁÓæ&\Á/[}^	V@ā/Āsi/j.¦[çāā^å/şi@}Aicæaāj}/n(æò.^•/aæÁ &[{{æ)å/As[}-^.\^}&^Ai:[`]Asæh
HÍ	CEp^¦cÁT^••aª^Áræañc	V@á/āsÁ;¦[çãa^åÁ;@}Áncæaā[}Án*[^•Á;~-@[\ÆáÁ {^••ad*^ÆsÁn-c
HÎ	C‡^¦σ⁄Ö[Á̞[σ⁄Öã̄cč¦à	V@ā/Āā/Á¦[çāā/åÁ, @}Á\cæaā[}Á*[^•Á;~@[\ÁāÁ ÖÞÖÆaÁ^c
ΗĬ	Cţ^lơÔạŧlÁZ[l] dâÁ	V@á/Ās/Á¦[çãa^åÁ, @}Áncæaā[}Á*[^•Á;~-@[\ÆāÁ ÔælÁQ[¦,ælåÆaÁ^c
HÌ	CE^\dÓC&•^} &^	V@á/√áÁ,¦[çãã^åÁ, @}Árcæáā;}Á*[^•Á;~@[\ÁáÁ ]¦^Ё^ ^&c^åÁ;^••æ*^ÁáÁ^c

INDEX	TONE NAME	DESCRIPTION
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 they are camped on.
52	Camp On Hold Tone (Station)	This is provided to the station when they are camped on.
53	Call Wait Hold Tone (CO)	This is provided to the external user when they are waiting.
54	Call Wait Hold Tone (Station)	This is provided to the station when they are waiting.
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

INDEX	TONE NAME	DESCRIPTION
ſì	Ôæ ÁÚæ\ÁP[ åÁ/[}^	V@n Ánn Án¦ [çãn ^ å Án[Án@ Án ¢ơ ^ ¦} æ Án • ^ ¦ Áng Án) æ ∖È
ĺJ	Ôæ AÚæ\AP[ åA/[}^AÇÙææā[}D	V@n Ánn Án,¦[çãn ^å Án[Án@ Án cænañ[}Ánj Ánj Anj æh∖È
΀	ΦΑCE (‡ΑΡ[  åΑΛ[ }^	V@a/as/j.[ças/å/j.@}/as[}-^;^}&^/a;^{ à^;/as/á @ åÈ
ÎF	ΟÔÁCE ([ÁP[ åÁΛ[}^ÁÇŒc^}åæ)dD	Ü^•^¦ç^å
ÎG	Ô[{{æ};åÁÔæ ÁŒ;•,^¦Á/[}^	Ü^•^¦ç^å
ÎН	ÜGÁÞ[¦{æ ÁUˇ♂[ãj*Á/[}^	Ü^•^¦ç^å
ÎI	ÜGÁU~-Ë,^œ\Ôæ  ÁØ[¦¸æ\åÁ/[}^	Ü^•^¦ç^å
îí	Yæ\^Ë]Á05;•,^¦Á∧[}^	V@náná,¦[çãn^åÁ, @}Áncæan[}Ánd)•,^¦∙Á , æn,^Ë]Ánj*È
îî	Ù^¦ç&AÛ^oÁ/[}^	V@arÁnarÁ¦[çãnà^åÁ, @}Áncananá}}Án^o•Á ]¦[*¦æ{{ā}*È
ÎΪ	ÖQÙQÐÁÜ^d^Á/[}^	V@mánāná,¦[çãn,^åÁnæ ÁÖOÙŒA,^d^Án[}^Á, @}Á ^¢ơ,'}æḥÁ •^¦Ásãna†-Á, '[} *Ásãnā E
îì	ÔŠÖÄÜ^∙d&%Á[}^	Ü^•^¦ç^å
ÎJ	CE of ÁÔællÁOE, •, ^¦ÁOE^¦oÁ/[}^	V@n Ánn Án l[çãn ^å Á, @ } Án cænān } Ánn Án Án Án Án Án Án Án Án Án Án Án Án
Ï€	XTÁQzo^læ&cā[}ÁÔ[}-ā{Á/[}^	V@n/am/n,¦[çaan^å/ş@ )An/aanaanaanaanaanaana c@[**@ANUOAn([å* ^È
ΪF	CE co@ ¦ã ææāi } ÁÔ[ å^ÁÖãæbþÁ/[ }^	V@máná,¦[çãa^åÁ, @}Ácæná[}Áná^~~^•c^åÁ æ`c@Ms[å^Ánáane/Ánenáo@Ásæn Á[¦;ælåÁne•a*]}ÉÁ ,æl\ā,*Ás[Áne)åÁ[Á[}È
ΪG	V^} æ) oÁÖãæ(Á/[}^	Ü^•^¦ç^å
ΪH	V, [Ë, æê ÁÜ^&[¦åÁvæ}}ā,*Á/[}^	V@mánānÁ¦[çãā^åÁn[Án@Áne •[&ãnec^Á]ædc´Á, @}Á •cænā[}ÁncædorÁsædJÁ^&[¦åā]*

# **BOARD DATA - TRANS/PGM 300-310**

# ISDN Board Attribute (TRANS/PGM 300)

ÚÜ CÓÁA; åÁÒFÜ GÁA[æå•Á©æç^Á[{ ^Áææd ãa ˇ c^•Á, @38.@48æ) Áa^Á;![\*¦æ{ { ^åÁa ^Ác@ ÁOEâ{ ãjã dæ[¦È FÈ Ú¦^••Ác@ ÁÃVÜ CĐĐÙ ĐƯ ĐƯ ÕT ÁÁA ˇ co[}Áæ) åÁa ãæþÁHEEÈ CÈ Ò} c^!ÁÔÙÖÞÁ|[cÁ, ¾ão@ÁGÁa ãa È

- 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.

TRANS/PGM 300	BTN	RANGE	DEFAULT
CRC CHECK Enable CRC check.	1	0: Disable 1: Enable	Enable
NT/TE MODE – After change, the board is automatically restarted.	2	0: TE 1: NT	TE
PORT1 TEI MODE TEI mode of BRIB Port 1.	3	N/A	N/A
PORT2 TEI MODE TEI mode of BRIB Port 2.	4	N/A	N/A
PORT3 TEI MODE TEI mode of BRIB Port 3.	5	N/A	N/A
PORT4 TEI MODE TEI mode of BRIB Port 4.	6	N/A	N/A
T1 MODE T1 Mode (D4/ESF).	7	0:D4 1:ESF	0
T1 LINE MODE T1 Line Mode (B8ZS/AMI).	8	0:B8ZS 1:AMI	B8ZS
T1 PAUSE TIME T1 Pause Time.	9	1-9	2
T1 PLS RATE T1 PLS Rate.	10	0-3	0
T1 RLS GRD TIME T1 release guard time.	11	0-60	20
T1 DT DELAY TIME T1 DT Delay time.	12	2-50	10
T1 WINK TIME T1 Wink time.	13	7-15	10
T1 SEIZE TIME T1 seize time.	14	0-127	3
T1 RLS TIME T1 release time.	15	0-127	7
T1 RING DET TIME T1 ring detect time.	16	2-9	2
T1 RING STOP TIME T1 ring stop time.	17	10-60	60

# ISDN Board - Clock Priority (TRANS/PGM 301)

In the MBX IP 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.

April 2012

FÈ Ú¦^••Ás@AŽVÜŒDĐŮĐÚÕTáÁàč cd;}Ása)åÁåãæþÁHEFÈ

ŒÈ W ^ Ás@ ÁsãædÁ æsåÁs Ár} c^\Ás@ Ás^ • ã^ åÁÙ|| cÁp ~ { à^ ¦ • È

HÈ Ú¦^•• Ás@ ÁŽÙOEKÒáÁà cơ } ÁT Á d ¦^Ás@ Á,^ ÁåæææÈ

## **IPP Board Attribute (TRANS/PGM 305)**

V@^ÁXU@Ó ÉÁAG) åÁXT@Ó Áa[æ¦å•Á@æç^Án[{^Áæad âa` ơ∿•Áa@æa6Asae) Áà^Áj¦[\*¦æ{{^å Áa^Áa^Áa@ Á O Eá{ãiadæd¦È

FÈ Ú¦^••Á@AÃ/ÜŒDĐÙĐÚÕTáÁà cơ }Áæ) åÁåãæþÁHEÍÈ

QÈ Ò} c\¦Áå^•ã^åÂÛ|[ cÁp \* { à^¦Á¸ãc@ÁGÁåã ã• È

HÈ Ú¦^••Ás@ÁØ|^¢ÁFÉÁ;¦Ás@Áå^•ã^åÁ^cæã;\*ÁÇ^-△¦Á;Á/æà|^DÈ

IÈ W ^ Ás@ ÁsãædÁ, æå Áf Á \ c \ Ás@ Á \ ~ ~ å AsæædÈ

ÍÈ Ú¦^••Ás@AÃÙOEXÒáÁà°cd}ÁdfÁdg¦^Ás@Á,^\_ÁåæææÈ

VÜŒÞÙÐŰÕTÁH€Í	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠV
ÓUÁDEÖÖÜÆEÁÓUÁDEáå¦^••Á;Á•^ ^&c^åÁ• [Œ	F	OÚÁOBåå¦^∙∙	F <del>∈LÌELÀ</del> ÇÀK•∥[oÁ,*{à^¦D
ÜUWOÜÁDÓÖÖÜÁŒÄÜ[*œ¦ÁDÁŒå¦^••Á;ÁA^ ^&cåÁ [œ	G	OÚÁOEåå¦^••	€Ì€Ì€Ì€
ÙWÓÞÒVÁT ŒÙSÁËÄÜ à}^ÁT æ\Á;-Á^ ^&¢\åÁ [æ	Н	OÚÁOEåå¦^••	GĺÉGÍÉGÍÉ€
ÖPÔÚÁNÙŒÕÒÆÄÖPÔÚÁN•æ*^È	I	€KU~ FKU}	U~-
VHÌ ÁNÙŒÕÒÆŒÁ/HÌ ÁM∙æ⁴^È	ĺ	€KU~ FKU}	U~-
ÜVÚÁJÒÔWÜQYŸÁÏÄÜVÚÁJ^&`¦ãĉW•æ*^È	Î	€KU~ FKU}	U~-
XŠOIÞÁEEÁKŠæ)	Ϊ	€€€€Ï€JÎ	Þ[ }^
ÚÜQJÜQYŸÆŒŰÚĮą̃¦æĉ	Ì	€Ï	€
Ö <b>Q</b> XZÙÒÜXÆÏÄÖã•^¦ç	J	€€ÏH	€

# Reset Board (TRANS/PGM 310)

 $\grave{O}_{abb}(\hat{A}_{b}) = \hat{A}_{ab}(\hat{A}_{b}) + \hat{A}_{ab}(\hat{A}_{b})$ 

FÈ Ú¦^••Ás@ ÁŠVÜQÐ ÙÐÚÕT áÁsì od }Ása) åÁsãæþÁHF€È

Œ Ò} ơ\¦Áå^•ã^åÂÛ|[ơÁÞˇ{ à^¦Á¸ão@ÁGÁåãããæÈ

HÈ Ú¦^••Ás@AŽÙOEXÒáÁà cq }Áq Á^•^cÁs@Aá[æåÈ

## **NETWORKING DATA - TRANS/PGM 320-321**

#### **Net Basic Attribute (TRANS/PGM 320)**

The Network Basic Attributes are displayed and the TRANS/PGM 320 table provides general descriptive information and input ranges.

- 1. Press the [TRANS/PGM] button and dial 320.
- 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.

TRANS/PGM 320	BTN	RANGE	DEFAULT
NET ENABLE Enable Networking function.	1	0:Off 1:On	Off
NET CNIP ENABLE The name of the calling station is sent to the called System between MBX IP systems. CNIP is displayed at the called party Stations display based on the programming.	2	0:Off 1:On	On
NET CONP ENABLE Reserved for future usage.	3	0:Off 1:On	Off
NET SIGNAL METHOD Select the information element type for QSIG supplementary service message.	4	0:UUS 1:FAC	UUS
NET CC RETAIN 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.	5	0:Off 1:On	Off
BLF USAGE Used to set Networking BLF service.	6	0:Off 1:On	Off
TCP PORT FOR BLF TCP Port for sending BLF message to BLF Manager.	7	9000-9999	9000
UDP PORT FOR BLF UDP Port for sending BLF message to BLF Manager.	8	9000-9999	9001
DURATION OF BLF STS Duration for sending the BLF status message to the BLF Server.	9	01-99	10
BLF MANAGER IP IP Address of BLF Server used only when 0 MBX IP is configured with MBX IP systems for Voce Networking (Reserved).	10	-	0.0.0.0

# **Net Numbering Plan Table (TRANS/PGM 321)**

FÈ Ú¦^••Á@AŽ/ÜŒĐÙĐÚÕTáÁà co[}Áæ)åÁåãæþÁHGFÈ

CÈ W^^Ás@ Ásãæ Áj Æs} c\¦Ás@ Á-HEå ã ão Ázæà |^Æs å^¢ÁQà ã DÁ, { à^¦ÉÆ€€ FEG €È

HÈ Ú¦^••Ás@ÁØ|^¢Ás`cq[}ÊÆFËF€Á[¦Ás@Ás^•ã^åÁ^cæā]\*ÊÁ^-△¦Áq[Á[||[¸ã]\*Áæà|^È

IÈ W^^Ás@ Ásãæ Ás Æs Ás Ás} c^\Ás@ Á^~~ ã^a Ásææ Æs^~~\Ás Ás@ Ás ||[ , ā, \* Á/æà|^È

ÍÈ Ú¦^••Ás@ ÁÃÙOEX ÒáÁa \* cd[}Áq[Ánd[¦^Ás@ Á,^\_ÁaæææÈ

VÜŒÞÙÐÚÕTÁHŒF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÞWT ÓÒÜÁVŸÚÒÁŒÄÙ^ ^&óÁÞ~ { à^¦Á^]^	F	€KÁP^c FKÁV¦æ)•ão	Þ^c
ÞWTÁÚŠŒÞÁÔUÖÒÁÜÐÁÝÓ, ^æ)•Áæ)^ÁsããæÁsæ)Ás^Ásj•^¦৫°åÁs^ç,^^}Á ∉ËJÐÁÇì^ ^&AÁTWÒÄÁs`α[}Á[Ás]] ŏÁÝDÈ	G	Ì Ásaði ãor	Ë
ÔUÁÕÜUWÚÁÞUÁEÐÔUÁÕ¦[ˇ]ÁÞˇ{ à^¦	Н	€FËG	Ë
CEÞÖÁÖÖŐ QYÁEÉKOEÞÖÁÇCE († { ærá8vÁÞ^ç [¦\ÁÖárekē]* DÁÖði ár	I	F€Áåããão	Ë
ÖÖĞQVÁÜÒÚÒCEVÁEEÄÖ^&¦{ 3}^ÁSÁCEÞÖÁSªãÁSA ÁS, & `å^åÁS, Ás@ÁÙÒVWÚÁ { ^••æ¹^Á;¦Á;[cÈ	ĺ	€KÁÚ~ FKÁÚ}	U~
Ö Ø Ø Á Û Ò Þ Ö Þ Ő Á Œ Û Þ   ^ & Á á ã á Á ^ } å ā * Á [ å ^ Á Ç J ç ^ ¦   æ j Á ; Á Ô } à   [ & \ D	Î	€KÁÚÇ^¦ æ} FKÁÒ}à∥[&\	Uç^¦ æ
XUÓ JÁÔÚÞÁÐ ØU Á ÉTÁR KÁEEFÁKUÓ JÁÔÚÞÁÐÞØUÁF GÁEEFÁKUÓ JÁÔÚÞÁÐÞØUÁG HÁEEFÁKUÓ JÁÔÚÞÁÐÞØUÁH IKÆEFÁKUÓ JÁÔÚÞÁÐÞØUÁ	Ϊ	Ë	Ë
ÓŠØÁÙŸÙVÒTÁŒÚÁŒÄŒÚÁŒå¦^••Á;ÁÓŠØÁÛ^¦ç^¦Á•^åÆ;} ^Á;@}ÁTÓÝÁ ŒÚÆsÁE[}-æ*'^åÅ;ão@k;Ó°************************************	Ì	Ë	€Ì€Ì€Ì€
ÓŠØÁÜŸÙVÒTÁŰUÜVÁŒÄWÖÚÁJ[¦œÁ[¦Án^}åā]*ÁÓŠØÁ;^••æ*^Áq[ÁÓŠØÁ Tæ)æ*^¦È	J	Ë	JÍ €€
\(\Omega(\text{Omega}) \text{Omega} Om	F€	€ÁÚ~ FKÁÚ}	U}

Appendix A: System Programming Tables

## TNET, CENTRALIZED NETWORKING - TRANS/PGM 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 an 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.

#### **TNET Basic Attributes (TRANS/PGM 330)**

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

- 1. Press the [TRANS/PGM] button and dial 330.
- 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.

TRANS/PGM 330	BTN	RANGE	DEFAULT
T-NET ENABLE enable T-NET function.	1	0:Off	Off
		1:On	

## TNET CM Attributes (TRANS/PGM 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 TRANS/PGM 332), in order to register properly.

- 1. Press the [TRANS/PGM] button and dial 331.
- 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.

VÜŒÞÙÐŰÕT ÁHF	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠV
ÔPÁÜÒÕÒÙVÒÜÁÜÒÛÁËÄ^ { ā,^•/ÁsÁ@ÁŠTÁ, ā Ásæc^{ ] cÁ^*ã dæá;}}Á<br , ãoÁœÁÔTLÁ, ~•óÁs^Ár^óÁ;ÁJÞÁ;¦]^¦Á^*ã dæá;}È	F	€KU~ FKU}	U}
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## **FoPSTN Attributes (TRANS/PGM 333)**

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IÈ Ú¦^••Ás@ÁŽÙŒXÒáÁà (c[}Á[Á(c[!^Ás@Á,^, ÁåæææÈ

TRANS/PGM 333	BTN	RANGE	DEFAULT
ENABLE FoPSTN Determines if Fail-over operation is enabled or disabled from the CM or LM.	1	0:Off 1:On	-
INIT FoPSTN TABLE Determines how to initialize the FO Table.	2	-	-
FoPSTN Attributes	3	1-100 (MBX IP-100) 1-200 (MBX IP-300)	-
FoPSTN NUM PLAN Station numbers associated with the remote System.	3-1	Max 16	-
FoPSTN CO GROUP 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.	3-2	1-24 (MBX IP-100) 1-72 (MBX IP-300)	-
FoPSTN TEL NUMBER 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.	3-3	Max 10	-

### **Board TNET Attributes (TRANS/PGM 334)**

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

- 1. Press the [TRANS/PGM] button and dial 334.
- 2. Enter Slot No.
- Use the dial pad to enable or disable TNET, Central Control networking.
- 4. Press the [SAVE] button to store the new data.

### IP Phone TNET Attributes (TRANS/PGM 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.

- 1. Press the [TRANS/PGM] button and dial 335.
- Enter Bin No of IP Phone (001-108 for MBX IP-100, 001-324 for MBX IP 300).
- Use the dial pad to enable or disable TNET, Central Control networking.
- 4. Press the [SAVE] button to store the new data.

### H.323 DATA - TRANS/PGM 360-363

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æ)åÁ;@ÁXUŒG Á;:[çãã^•Á]Á; ÁG ÁXUŒÁ&@æ}}^|•ĚV@•^AXUŒÁ&@æ}}^|•Á\*
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Y @}ÁXUŒÁ&@æ}}^|•Áæ^Á\*•^åÁ; ¦ÁPĒHGHÓæ; Ē\$@Á; ||[ ¸ ð \* Ææ^{ •Á @ ` |åÁæ^Áæ••ã}^å}^åÈ

### H.323 Routing Attributes (TRANS/PGM 360)

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### H.323 Call Setup Info (TRANS/PGM 361)

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HÈ Ú¦^••Ás@Áå^•ã^åÁØ|^¢Áà\* cq[}ÁÇ^-^¦Áq[Á/æà|^DÈ

- 4. Use the dial pad to enter the desired data (refer to Table).
- 5. Press the [SAVE] button to store the data entry.

TRANS/PGM 361	BTN	RANGE	DEFAULT
SETUP MODE H.323 IP calls can be set-up using the H.323 Normal or Fast Start mode.	1	0:Normal 1:Fash Mode	Fash Mode
TUNNEL MODE H.323 IP calls can be set-up using the H.245 Encapsulation (Tunneling).	2	0:Off 1:On	On
DTMF SEND MODE during a connection, DTMF digits can be sent In-band or Out of band (H.245).	3	0:Inband 1:RFC2833 2:Out	Inband
DIFF SERV Diffserv pre-tagging for Voice packet.  NOTE: High values may cause high packet discard levels.	4	0-63	4
G.711A CODEC usage of G.711A Codec Type.	5	0:Not Use 1:Use	Not Use
G.711U CODEC usage of G.711U Codec Type.	6	0:Not Use 1:Use	Not Use
G.729 CODEC usage of G.729 Codec Type.	7	0:Not Use 1:Use	Not Use
G.723 CODEC usage of G.723.1 Codec Type.	8	0:Not Use 1:Use	Not Use
GK USED used to determine if Gatekeeper will be used.	9	0:Off 1:On	Off

### H.323 Incoming Attributes (TRANS/PGM 362)

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

- Press the [TRANS/PGM] button and dial 362.
- Enter Bin Number.
- Press the desired Fex button and enter the appropriate data.
- Press the [SAVE] button to store the new data.

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### GAIN & CADENCE CONTROL - TRANS/PGM 400-440

### **DKT RX Gain (TRANS/PGM 400)**

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

- Press the [TRANS/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.

TRANS/PGM 400	BTN	RANGE	DEFAULT
DKT RX GAIN DKT RX gain from DKT.	1	0-63	26
DKT RX GAIN DKT RX gain from SLT.	2	0-63	22
DKT RX GAIN KT RX gain from DECT.	3	0-63	26
DKT RX GAM DKT RX gain from IPDEV.	4	0-63	26
DKT RX GAIN DKT RX gain from Analog CO.	5	0-63	26
DKT ŘX GAIN DKT RX gain from Digital CO.	6	0-63	33
DKT RX GAIN DKT RX gain from VMIB.	7	0-63	29
DKT RX GAIN DKT RX gain from VMIB.  DKT RX GAIN DKT RX gain from DTMF.	8	0-63	08
DKT RX GAIN DKT RX gain from TONE	9	0-63	32
DKT RX GAIN DKT RX gain from MUSIC.	10	0-63	29

## SLT RX Gain (TRANS PGM 401)

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

- 1. Press the [TRANS/PGM] button and dial 401.
- Press the desired Flex button (refer to Table).
- Use the dal pad to enter desired data for the attribute setting (refer to Table).

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

TRANS/PGM 401	BTN	RANGE	DEFAULT
SLT RX GAIN SLT RX gain from DKT.	1	0-63	32
SLT RX GAIN SLT RX gain from SLT.	2	0-63	32

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# DECT RX Gain (TRANS/PGM 402)

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IÈ Ú¦^••Ás@ ÁÃÙOEXÒáÁs \* cd; }Ás Árd; ¦^Ás@ ÁsæææÁ?}d^È

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### IP-Phone RX Gain (TRANS/PGM 403)

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- 1. Press the [TRANS/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.

TRANS/PGM 403	BTN	RANGE	DEFAULT
IP-PHONE RX GAIN IP-PHONE RX gain from DKT.	1	0-63	26
IP-PHONE RX GAIN IP-PHONE RX gain from SLT.	2	0-63	33
IP-PHONE RX GAIN IP-PHONE RX gain from DECT.	3	0-63	26
IP-PHONE RX GAIN IP-PHONE RX gain from IPDEV.	4	0-63	26
IP-PHONE RX GAIN IP-PHONE RX gain from Analog CO.	5	0-63	38
IP-PHONE RX GAIN IP-PHONE RX gain from Digital CO.	6	0-63	33
IP-PHONE RX GAIN IP-PHONE RX gain from VMIB.	7	0-63	29
IP-PHONE RX GAIN IP-PHONE RX gain from DTMF.	8	0-63	8
IP-PHONE RX GAIN IP-PHONE RX gain from TONE.	9	0-63	37
IP-PHONE RX GAIN IP-PHONE RX gain from MUSIC.	10	0-63	29

### Analog CO RX Gain (TRANS/PGM 404)

The RX gain of Analog CO can be adjusted.

- 1. Press the [TRANS/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.

TRANS/PGM 404	BTN	RANGE	DEFAULT
ACO RX GAIN ACO RX gain from DKT.	1	0-63	40
ACO RX GAIN ACO RX gain from SLT.	2	0-63	32
ACO RX GAIN ACO RX gain from DECT.	3	0-63	31
ACO RX GAIN ACO RX gain from IPDEV.	4	0-63	33
ACO RX GAIN ACO RX gain from Analog CO.	5	0-63	32
ACO RX GAIN ACO RX gain from Digital CO.	6	0-63	38

VÜŒÐÙÐÚĀT ÁÍ.€I	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ŒĴUÁÜÝÁÕŒŒPÁËËÁŒĴUÁŨÝÁ*æBJÁ√[{ÁKTŒĴÈ	Ϊ	€ËH	Η̈́
CYĐU ÁUÝ ÁŌ CYCIP ÁTËÁCYĐU ÁUÝ ÁT æð), Á¦[{ ÁÖVT ØÈ	Ì	€ËH	IG
ŒÔUÁÜÝÁÕŒ®ÁËÄŒÔUÁÜÝÁ æ Á¦[{Á/UÞÒÈ	J	€ËH	HÏ
CEÔUÁÜÝÁÕCEDÞÁËÄGEÔUÁÜÝÁ æð Á¦[{ÁT WÙ ΦÔÈ	F€	€ËH	HÏ

### Digital CO RX Gain (TRANS/PGM 405)

V@ÁÜÝÁ azā Á ÁÖð ãzækÁÔUÁSæ Áà^Ásæbŏ•c^åÈ

FÈ Ú¦^••Ás@AÃ/ÜŒĐÙĐÚÕTáÁà cơ }Ása) åÁåãædÁ €ÍÈ

Œ Ú¦^••Ác@Áå^•ã^åÁØ|^¢Áà \* od }ÁÇ^-^¦Áf Á⁄æà|^Œ

HÈ W $^{h}$   $^{h$ 

IÈ Ú¦^••Ás@·ÁŠÜOEXÒáÁsi co[}Ás[Ás[d]¦^Ás@:ÁsæææÁ}d^È

VÜŒÐÙÐÚÕTÁÍ.€Í	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖÔUÁÜÝÁŐOEDÞÁËËÖÔUÁÜÝÁRÆÐJÁ-[{ÁÖSVÈ	F	€ËH	Ĝ
ÖÔUÁÜÝÁÕŒÐAŒÄÖÔUÁÜÝÁ æð Á¦[{ÁÙŠVÈ	G	€ËH	Ĝ
ÖÔUÁÜÝÁŐOEDÞÁEEÄÖÔUÁÜÝÁ æBJÁ¦[{ÁÖÒÔVÈ	Н	€ËH	Ĝ
ÖÔUÁÜÝÁÕOEDÞÁËËÖÔUÁÜÝÁ æBJÁ¦[{ÁÓUÖÒXÈ	I	€ËH	Н
ÖÔUÁÜÝÁŐOEDÞÁËËÄÖÔUÁÜÝÁ æBJÁ¦[{ÁOE;æk *ÁÔUÈ	ĺ	€ËH	FÍ
ÖÔUÁÜÝÁŐOEDÞÁEEÄÖÔUÁÜÝÁ æð Á¦[{ÁÖð ðæÞÁÔUÈ	Î	€ËH	HG
ÖÔUÁÜÝÁÕŒÐAÄÄÖÔUÁÜÝÁRÆÐ,Á-[{ÁKTŒÓÈ	Ϊ	€ËH	HG
ÖÔUÁÜÝÁŐŒÐAŒÖÔUÁÜÝÁæJÁ-Á[{ÁÖVTÆÈ	Ì	€ËH	HG
ÖÔUÁÜÝÁŐOEDÞÁËÄÖÔUÁÜÝÁ æBJÁ¦[{Á/UÞÒÈ	J	€ËH	HG
ÖÔUÁÜÝÁÕŒŒPÁĒËÖÔUÁÜÝÁ æBÁ[{ÁTWÙÔÈ	F€	€Ĥ	HG

### VMIB RX Gain (TRANS/PGM 406)

V@ ÁÜÝÁ æajÁ, ÁXT OÓÁ&æ)Áa^Áæabŏ•c^åÈ

FÈ Ú¦^••Ás@·ÆX/ÜŒÞÙÐÚÕT áÁs °c(}Áse) åÁsãæþÁ €ÎÈ

Œ Ú¦^••Ás@Áå^•ã^åÁØ|^¢Áà ˙α[}ÁÇ^^~\Á[Á/æà|^Œ

 $\begin{array}{ll} \text{HÈ} & \text{W}^{\blacktriangle} \land \text{\'a}@ \land \text{\'a} \text{\'a} \land \text{\'a} \land \text{\'a} \land \text{\'a} \land \text{\'a} \land \text{\'a} \wedge \text{\'a} \land \text{\'a$ 

ΙÈ Ú¦^••Ás@ Αξ̈ÙΟΕΚ ÒάΑς α[} Áς Áς [¦^Ás@ ÁsaææÁ) d^È

TRANS/PGM 406	BTN	RANGE	DEFAULT
VMIB RX GAIN VMIB RX gain from DKT.	1	0-63	26
VMIB RX GAIN VMIB RX gain from SLT.	2	0-63	29
VMIB RX GAIN VMIB RX gain from DECT.	3	0-63	23
VMIB RX GAIN VMIB RX gain from IPDEV.	4	0-63	32
VMIB RX GAIN VMIB RX gain from Analog CO.	5	0-63	32
VMIB RX GAIN VMIB RX gain from Digital CO.	6	0-63	32
VMIB RX GAIN VMIB RX gain from VMIB.	7	0-63	32
VMIB RX GAIN VMIB RX gain from DTMF.	8	0-63	32
VMIB RX GAIN VMIB RX gain from TONE.	9	0-63	32
VMIB RX GAIN VMIB RX gain from MUSIC.	10	0-63	32

### External Page RX Gain (TRANS/PGM 407)

The RX gain of External Page can be adjusted.

- 1. Press the [TRANS/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.

TRANS/PGM 407	BTN	RANGE	DEFAULT
EXT PAGE RX GAIN External PAGE RX gain from DKT.	1	0-63	26
EXT PAGE RX GAIN External PAGE RX gain from SLT.	2	0-63	26
EXT PAGE RX GAIN External PAGE RX gain from DECT.	3	0-63	26
EXT PAGE RX GAIN External PAGE RX gain from IPDEV.	4	0-63	32
EXT PAGE RX GAIN External PAGE RX gain from Analog CO.	5	0-63	28
EXT PAGE RX GAIN External PAGE RX gain from Digital CO.	6	0-63	37
EXT PAGE RX GAIN External PAGE RX gain from VMIB.	7	0-63	37
EXT PAGE RX GAIN External PAGE RX gain from DTMF.	8	0-63	32
EXT PAGE RX GAIN External PAGE RX gain from TONE.	9	0-63	32
EXT PAGE RX GAIN External PAGE RX gain from MUSIC.	10	0-63	32

### DSP RX Gain (TRANS/PGM 415)

V@ÁÜÝÁ æði Á ÁÖÙÚÁ&æ) Áð ^Áœðið • c° åÁÇ^-△¦Áf Á/æði|^Áf¦Á^ cæði \* Áçæði ^ • DÈ

FÈ Ú¦^••Ás@ ÁŽVÜŒDĐÙĐÚÕT áÁs cơ }Ásc) åÁsã á Ás

Œ Ú¦^••Áœ Áå^•ã^åÁØ|^¢Áà cơ }ÁÇ^~\Á Ág Á/æà|^Œ

HÈ W $^{h}$   $^{h$ 

IÈ Ú¦^••Ás@·ÁŠÜOEXÒáÁsì oc[}Ás[Ás[¦^Ás@:ÁsæææÁs]d^È

VÜŒÞÙÐÚÕTÁ, FÍ	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ÖÙÚÁÜÝÁÕŒÐAËÄÖÙÚÁÜÝÁæJÁ¦[{ÁÖVTØÁÇEÐÈ	F	€ËH	HG
ÖÙÚÁÜÝÁŐCEEÞÁEÄÖÙÚÁÜÝÁ æğ Á¦[{ÁÖVTØÁÇÖDÈ	G	€ËH	HG
ÖÙÚÁÜÝÁŐOSEÞÁEZÖÙÚÁÜÝÁæjÁ¦[{ÁÔÚVÈ	Н	€ËH	HG
ÖÙÚÁÜÝÁŐCEEÞÁEÄÖÙÚÁÜÝÁæÁÁ[{ÁÔ©ÖÁÇÕÙSEÈ	I	€ËH	HG
ÖÙÚÁÜÝÁŐCEEÞÁEZÖÙÚÁÜÝÁæjÁ¦[{ÁÔŒ)ÁÇÖVTØTÈ	ĺ	€ËH	HG
ÖÙÚÁÜÝÁŐCÆÐÞÁEÄÖÙÚÁÜÝÁ æðJÁ¦[{ÁÜÔŒÖÈ	Î	€ËH	HÎ
ÖÙÚÁÜÝÁŐCEEÞÁEZÖÙÚÁÜÝÁæjÁ¦[{ÁÙTÙÁÇEÐUDÈ	Ϊ	€ËH	HG
ÖÙÚÁÜÝÁÕOSEDA ÄÄÄÖÙÚÁÜÝÁ æ Á Á! [{ÁÙT ÙÁÇÙŠVIDÈ	Ì	€ËH	HG

### RTP RX Gain (TRANS/PGM 420-426)

$$\label{eq:case_fitting} \begin{split} \grave{O}_{abb}@\hat{a}_{b}^{b} & \circ \hat{A}_{b}^{b} Ác@ ÁŽ/ÜŒĐÙĐÚÕT áÁà cơ[}Ása) åÁåãæþÈ

I ŒKÂÙŠVT ÁÜÝÁÜVÚÁÕŒD

I CFKKÖVQT (PÙDÁÜÝÁÜVÚÁÕ OEDÞ

I CCHÁÖVOT OPØDÁÜÝÁÜVÚÁÕOEDÞ

I CHÁ ĐƯỀU @ } ^ CP Ù DÁÜ Ý ÁÜ V Ú ÁÕ CÆD

I GI KÁTÓJÉÚ @ } ^ OP ØDÁÜ Ý ÁÜ V Ú ÁŐ OEDÞ

I GÍ KÁY QVÁÜÝÁÜVÚÁÕOEDÞ

I GÎ KÁKU QÓÁÜ ÝÁÜ VÚÁÕ OEDÞ

 $\begin{array}{lll} \text{CE} & \text{U}| \land \bullet \bullet \text{ Asc} \land \text{As} \land \bullet \text{ a} \land \text{a} \text{ A} \lozenge | \land \phi \text{ As} \land \text{cc}[\ \} \text{ A} \lozenge \land \land \land \land \text{Asc} \text{ Asc} \land \bullet \text{ Asc} \land \land \land \land \text{Asc} \text{ Asc} \land \land \bullet \text{ Asc} \land \land \text{Asc} \text{ Asc} \land \land \bullet \text{ Asc} \text{ Asc$ 

HÈ W^^Á@ÁsãæþÁjæåÁjÁy} &\Á@Ás^•ā^åAsæææÁj¦Ás@Áæædãa` &\Á^^cA¦ÁjÁs@Áææ)/•Á à^|[, DÈ

IÈ Ú¦^••Ás@ ÁŠÜOEKÒáÁs cd; }Át Átd; !^Ás@ ÁsææáÁ}d^È

### SLTM RX RTP Gain (TRANS/PGM 420)

TRANS/PGM 420	BTN	RANGE	DEFAULT
SLTM RX RTP GAIN SLTM RX gain from SLTM.	1	0-63	34
SLTM RX RTP GAIN SLTM RX gain from DTIM (HS).	2	0-63	34
SLTM RX RTP GAIN SLTM RX gain DTIM (HF).	3	0-63	34
SLTM RX RTP GAIN SLTM RX gain from IP PHONE (HS).	4	0-63	34
SLTM RX RTP GAIN SLTM RX gain from IP PHONE (HF).	5	0-63	34
SLTM RX RTP GAIN SLTM RX gain from WIT.	6	0-63	34
SLTM RX RTP GAIN SLTM RX gain from VOIB.	7	0-63	34

### DTIM (HS) RX RTP Gain (TRANS/PGM 421)

TRANS/PGM 421	BTN	RANGE	DEFAULT
DTIM RX HS RTP GAIN DTIM (HS) RX gain from SLTM.	1	0-63	34
DTIM RX HS RTP GAIN DTIM (HS) RX gain from DTIM (HS).	2	0-63	34
DTIM RX HS RTP GAIN DTIM (HS) RX gain DTIM (HF).	3	0-63	34
DTIM RX HS RTP GAIN DTIM (HS) RX gain from IP PHONE (HS).	4	0-63	34
DTIM RX HS RTP GAIN DTIM (HS) RX gain from IP PHONE (HF).	5	0-63	34
DTIM RX HS RTP GAIN DTIM (HS) RX gain from WIT.	6	0-63	34
DTIM RX HS RTP GAIN DTIM (HS) RX gain from VOIB.	7	0-63	34

### DTIM (HF) RX RTP Gain (TRANS/PGM 422)

TRANS/PGM 422	BTN	RANGE	DEFAULT
DTIM RX HF RTP GAIN DTIM (HF) RX gain from SLTM.	1	0-63	34
DTIM RX HF RTP GAIN DTIM (HF) RX gain from DTIM (HS).	2	0-63	34
DTIM RX HF RTP GAIN DTIM (HF) RX gain DTIM (HF).	3	0-63	34
DTIM RX HF RTP GAIN DTIM (HF) RX gain from IP PHONE (HS).	4	0-63	34
DTIM RX HF RTP GAIN DTIM (HF) RX gain from IP PHONE (HF).	5	0-63	34
DTIM RX HF RTP GAIN DTIM (HF) RX gain from WIT.	6	0-63	34
DTIM RX HF RTP GAIN DTIM (HF) RX gain from VOIB.	7	0-63	34

### IP-Phone (HS) RX RTP Gain (TRANS/PGM 423)

VÜŒÞÙÐÚŌT Á CH	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒNŠV
ŠÓUÁÜ ÝÁPÙÁÜ VÚÁÖ CKAD ÁEÉÁÓUÉÚ PUÞ ÒÁ OPÙ DÁÜ ÝÁ æð), Á [{ÁÚŠVTÈ	F	€ËH	Н
ŠÓJÁÜÝÁPÙÁÜVÚÁÖ CÆDÞÁÆÐÓJÉÚPUÞ ÒÁQPÙ DÁÜÝÁ æð Á [{ÁÖVQTÁQPÙ DÈ	G	€ËH	Н
ŠÓJÁÜÝÁPÙÁÜVÚÁÖ CKAD ÁEÐÁÐÍÐ PUÞÓÁ PÚDÁÜÝÁ ÆÐ ÁÖVOTÁ PÆDÈ	Н	€ËH	Н
ŠÓJÁÜÝÁRÙÁÜVÚÁÖ CKEÞÁEÐÁÚÐÍPUÞ ÓÁQPÙDÁÜÝÁ æð Á;[{ÁÓJÁÚPUÞ ÓÁ QPÙDÈ	1	€ËH	Н
ŠÓJÁÜÝÁRÙÁÜVÚÁÖCKEÞÁEÐÁÚEÚPUÞÒÁÇPÙDÁÜÝÁRÆÐ, Á-[{ÁÓJÁÚPUÞÒÁ ÇPØDÈ	ĺ	€ĤH	Н
ŠÓJÁÜÝÁRÙÁÜVÚÁÖ CKAD ÁEÐÁÐÍÐ PUÞ ÓÁQPÙDÁÜÝÁ ÆÐ Á-L [ Á Y QVÈ	Î	€ËH	Н
ŠÓJÁÜÝÁPÙÁÜVÚÁÖOÐÐA ÁEÐÁÐÍÐPUÞÒÁÐPÙDÁÜÝÁ æÐAÁ[{ÁKUÓDÈ	Ϊ	€ËH	Н

### IP-Phone (HF) RX RTP Gain (TRANS/PGM 424)

VÜŒÞÙÐÚÕTÁÍGI	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠV
ŠÓJÁÜÝÁPØÁÜVÚÁÖOÐÐÞÁEÐÁÚÉÚPUÞÒÁÐPØDÁÜÝÁÞÆÐJÁ-[{ÁÚŠVTÈ	F	€ËH	Н
ŠÓJÁÜÝÁPØÁÜVÚÁÖOÐÐAÆÐÓJÉÚPUÞÓÁÇPØDÁÜÝÁ æð Á-[{ÁÖVOTÁÇPÙDÈ	G	€ËH	Н
ŠÓJÁÜÝÁPØÁÜVÚÁÖOÐ ÁÐÁÐÚÐUÞÓÁÐ ØDÁÜÝÁ æð ÁÖVO ÁPØDÈ	Н	€ËH	Н
ŠÓJÁÜÝÁPØÁÜVÚÁÖOÐÐÞÁEÐÓJÉÚPUÞÒÁÇPØDÁÜÝÁ æBJÁ-L {ÁÓJÁÚPUÞÒÁ ÇPÙDÈ	I	€ĤH	Н
ŠÓJÁÜÝÁPØÁÜVÚÁÖOÐÐÞÁEÐÓJÉÚPUÞÒÁÇPØDÁÜÝÁ æBJÁ-L {ÁÓJÁÚPUÞÒÁ ÇPØDÈ	ĺ	€ĤH	Н
ŠÓJÁÜÝÁPØÁÜVÚÁÖOÐÐA ÁEÐÁÐÍÐUÞÓÁÐPØÐÁÜÝÁ æð Á-[{ÁY QVÈ	Î	€ËH	Н
ŠÓJÁÜÝÁPØÁÜVÚÁÖCEÐÞÁEÐÁÚEÚPUÞÓÁGPØDÁÜÝÁÞÆÐÁ-[{ÁKUÓDÈ	Ϊ	€ĤH	Н

### WIT RX RTP Gain (TRANS/PGM 425)

VÜŒÞÙÐÚÕT Á GÍ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
Y QVÁÜ ÝÁÜ VÚÁŐ CKEDA ÁEEÁY QVÁÜ ÝÁT æð)Á ¦[{ÁÛ ŠVTÈ	F	€ËH	Н
Y QVÁÜYÁÜVÚÁÖ CEEDA ÄEEÄY QVÁÜYÁ KæajÁ¦[{ ÁÖVQTÁÇPÙ IDÈ	G	€ËH	Н
Y QVÁÜYÁÜVÚÁÖ CÆDÞÁEEN QVÁÜYÁ ÞÆÐ ÁÖV QTÁÇPØDÈ	Н	€ËH	Н
Y QVÁÜÝÁÜVÚÁÖCKEÞÁEEÁY QVÁÜÝÁ æ ÁH [{ÁQÚÁÚPUÞÒÁÇPÙ IDÈ	I	€ËH	Н

TRANS/PGM 425	BTN	RANGE	DEFAULT
WIT RX RTP GAIN WIT RX gain from IP PHONE (HF).	5	0-63	34
WIT RX RTP GAIN WIT RX gain from WIT.	6	0-63	34
WIT RX RTP GAIN WIT RX gain from VOIB.	7	0-63	34

### **VOIB RX RTP Gain (TRANS/PGM 426)**

TRANS/PGM 425	BTN	RANGE	DEFAULT
VOIB RX RTP GAIN VOIB RX gain from SLTM.	1	0-63	34
VOIB RX RTP GAIN VOIB RX gain from DTIM (HS).	2	0-63	34
VOIB RX RTP GAIN VOIB RX gain DTIM (HF).	3	0-63	34
VOIB RX RTP GAIN VOIB RX gain from IP PHONE (HS).	4	0-63	34
VOIB RX RTP GAIN VOIB RX gain from IP PHONE (HF).	5	0-63	34
VOIB RX RTP GAIN VOIB RX gain from WIT.	6	0-63	34
VOIB RX RTP GAIN VOIB RX gain from VOIB.	7	0-63	34

### RTP RX Gain (TRANS/PGM 430-436)

Each device can adjust its own RTP TX gain to another device (refer to the following tables for RTP TX gain adjustment of devices.

- 1. Press the [TRANS/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
- Press the desired Flex button (refer to the tables below).
- 3. Use the dial pad to enter desired data for the attribute setting.
- 4. Press the [SAVE] button to store the data entry.

### **SLTM TX RTP Gain (TRANS/PGM 430)**

VÜŒDÐÙÐÚÕTÁIH€	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÙŠVT ÁVÝÁÜVÚÁŐOÆDAËEÄÙŠVT ÁVÝÁ æ Á¦[{ÁÙŠVTÈ	F	€ËH	Н
ÙŠVT ÁVÝÁÜVÚÁÕOÆDAËÄÜŠVT ÁVÝÁ æ Á; [{ÁÖVQTÁÇPÙIDÈ	G	€ËH	Н
ÙŠVT ÁVÝÁÜVÚÁŐ CÆÐAËÄÙŠVT ÁVÝÁ æð, ÁÖV QTÁÇPØDÈ	Н	€ËH	Н
ÙŠVT ÁVÝÁÜVÚÁŐ CÆDA ÁËÐÁÙŠVT ÁVÝÁ ÞÆÐÁ; [{ÁÓÚÁÚPUÞÒÁÇPÙ IDÈ	I	€ËH	Н
ÙŠVT ÁVÝÁÜVÚÁÕOÆDAËÄÜŠVT ÁVÝÁ æ Á; [{ÁQÚÁÚPUÞÒÁÇPØDÈ	ĺ	€ËH	Н
ÙŠVT ÁVÝÁÜVÚÁŐ OKEDAËTÄÙŠVT ÁVÝÁ 1 æð Á; [{ÁY QVÈ	Î	€ËH	Н
ÙŠVT Á/ÝÁÜVÚÁÕŒÐAËÄÙŠVT Á/ÝÁ æ Á¦[{ÁKUÓDÈ	Ϊ	€ËH	Н

### DTIM (HS) TX RTP Gain (TRANS/PGM 431)

VÜŒÞÙÐÚÕTÁ,HF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖVQTÁYÁPÙÁÜVÚÁÕOSEDPÁEEÄÖVQTÁÇPÙDÁVÝÁTæBJÁ-[{ÁÛŠVTÈ	F	€ËH	Н
ÖVQTÁÝÁPÙÁÜVÚÁÕŒÐÞÁŒÖVQTÁÇPÙÐÁVÝÁÆÐ Á-[{ÁÖVQTÁÇPÙÐÈ	G	€ËH	Н
ÖVQTÁÝÁPÙÁÜVÚÁÕŒÐÞÁŒÄÖVQTÁÇPÙÐÁVÝÁ æðJÁÖVQTÁÇPØÐÈ	Н	€ËH	Н
ÖVQTÁYÁPÙÁÜVÚÁÕOSEÞÁEEÖVQTÁÇPÙDÁVÝÁ æ jÁ [{ÁQÚÁÚPUÞÒÁÇPÙDÈ	I	€ËH	Н
ÖVQTÁÝÁPÙÁÜVÚÁŐOSEÞÁEEÖVQTÁÇPÙDÁVÝÁ æ Á [{ÁQÚÁÚPUÞÒÁÇPØDÈ	ĺ	€ËH	Н
ÖVQTÁÝÁPÙÁÜVÚÁÕŒÐÞÁŒÄÖVQTÁÇPÙÐÁVÝÁÆÐÁÁ[{ÁYQVÈ	Î	€ËH	Н
ÖVQTÁYÁPÙÁÜVÚÁÕOSEDAÄÄÄÖVQTÁÇPÙDÁVÝÁ æð Á-[{ÁKUÓDÈ	Ϊ	€ËH	Н

### DTIM (HF) TX RTP Gain (TRANS/PGM 432)

VÜŒÞÙÐÚÕTÁ, HG	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖVQTÁYÁRØÁÜVÚÁŐOEDÞÁÉÉÄÖVQTÁGPØDÁVÝÁTæáB,Á-[{ÁÚŠVTÈ	F	€ËH	Н
ÖVQTÁYÁRØÁÜVÚÁÕOEDÞÁËÄÖVQTÁGPØDÁVÝÁRæAJÁ![{ÁÖVQTÁGPÙIDÈ	G	€ËH	Н
ÖVQTÁYÁPØÁÜVÚÁÕŒÐAÄÄÖVQTÁÇPØDÁVÝÁÆÐÁÖVQTÁÇPØDÈ	Н	€ËH	Н
ÖVQTÁYÁRØÁÜVÚÁÕŒÐÞÁËÄÖVQTÁÇPØÐÁYÁ æð Á¦[{ÁÓÚÁÚPUÞÒÁÇPÙ DÈ	ı	€ËH	Н
ÖVOTÁÝÁRØÁÜVÚÁÕOEDÞÁËÄÖVOTÁGPØDÁVÝÁRæA,Á-[{ÁDÚÁÚPUÞÒÁGPØDÈ	ĺ	€ËH	Н
ÖVQTÁYÁRØÁÜVÚÁÕOEDÞÁËÄÖVQTÁGPØDÁVÝÁRæBJÁ{[{ÁYQNÈ	Î	€ËH	Н
ÖVOTÁYÁPØÁÜVÚÁÕOSEÞÁËÄÖVOTÁPØDÁVÝÁæjÁ[{ÁKUÓDÈ	Ϊ	€ËH	Н

### IP-Phone (HS) TX RTP Gain (TRANS/PGM 433)

TRANS/PGM 433	BTN	RANGE	DEFAULT
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain from SLTM.	1	0-63	34
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain from DTIM (HS).	2	0-63	34
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain DTIM (HF).	3	0-63	34
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain from IP PHONE (HS).	4	0-63	34
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain from IP PHONE (HF).	5	0-63	34
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain from WIT.	6	0-63	34
LIP TX HS RTP GAIN IP-PHONE (HS) TX gain from VOIB.	7	0-63	34

### IP-Phone (HF) TX RTP Gain (TRANS/PGM 434)

TRANS/PGM 434	BTN	RANGE	DEFAULT
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain from SLTM.	1	0-63	34
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain from DTIM (HS).	2	0-63	34
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain DTIM (HF).	3	0-63	34
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain from IP PHONE (HS).	4	0-63	34
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain from IP PHONE (HF).	5	0-63	34
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain from WIT.	6	0-63	34
LIP TX HF RTP GAIN IP-PHONE (HF) TX gain from VOIB.	7	0-63	34

### WIT TX RTP Gain (TRANS/PGM 435)

TRANS/PGM 435	BTN	RANGE	DEFAULT
WIT TX RTP GAIN WIT TX gain from SLTM.	1	0-63	34
WIT TX RTP GAIN WIT TX gain from DTIM (HS).	2	0-63	34
WIT TX RTP GAIN WIT TX gain DTIM (HF).	3	0-63	34
WIT TX RTP GAIN WIT TX gain from IP PHONE (HS).	4	0-63	34

VÜŒÞÙÐÚÕT Á HÍ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
Y QVÁ/ÝÄÜVÚÄÖCEDÞÁËËÁY QVÁ/ÝÁtæájÁ¦[{ÁQÚÁÚPUÞÒÁÇPØDÈ	ĺ	€ËH	Н
Y QVÁ/ÝÄÜVÚÄŐCKEDAËËÝ QVÁ/ÝÁ æð Á¦[{ÁY QYÈ	Î	€ËH	Н
Y QVÁ/ÝÁÜVÚÁÕCKED ÁEEN QVÁ/ÝÁ æð Á¦[{ÁKU ÓDÈ	Ϊ	€ËH	Н

### **VOIB TX RTP Gain (TRANS/PGM 436)**

VÜŒÞÙÐÚÕT Á HÎ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
XU ÓDÁYÝÁÜ VÚÁ Ö CIÐA ÁËËÁKU ÓDÁYÝÁ æð Á¦[{ÁÛŠVTÈ	F	€ËH	Н
XU ÓDÁYÝ ÁÜ VÚ ÁÖ CICDA ÁËËŽIX U ÓDÁYÝ Á æ JÁ Á [{ ÁÖ V CITÁ P Ù TÌÈ	G	€ËH	Н
XU ÓDÁYÝ ÁÜ VÚ ÁÖ CICOÞÁËÉK U ÓDÁYÝ Á æ ÁÖ VOT Á PØTE	Н	€ËH	Н
XUQÓÁÝÁÜVÚÁÖOGDÞÁËËKUQÓÁÝÁæjÁ¦[{ÁQÚÁÚPUÞÒÁÇPÙDÈ	I	€ËH	Н
XUQÓÁÝÁÜVÚÁŐOGOÞÁËËKUQÓÁÝÁ æ Á Á [{ÁQÚÁÚPUÞÒÁ PØDÈ	ĺ	€ËH	Н
XU ΦÓ Á Ý ÁÜ VÚ Á Ő CIĐA ÁËŽÍX U ΦÓ Á Ý Á æ Á Á [ { Á Y CIVÈ	Î	€ËH	Н
XU ΦÁ Ý ÁÜ VÚ ÁÕ CICDA ÁËËÄKU ΦÁ Ý Á æ Á Á [ { ÁKU ΦÈ	Ϊ	€ËH	Н

### **SLT Ring Cadence (TRANS/PGM 440)**

ÙŠVÁÜ ā \* ÁÔæå^} &^Á&æ) Áà^Áæåbŏ • c°åÁÇ^~\Áf Á/æà|^Áf Á/æà|^Áf LÁææd ãà \* c°Áçæb\* ^• DÈ

FÈ Ú¦^••Ás@ ÁŽ/ÜŒDDŰÕT áÁs od }Ása åÁsãædÁ.I€

Œ Ú¦^••Ás@Áå^•ã^åÁØ|^¢Áà α[}ÁFÁ;¦ÁŒK

- ËÁ Ø[¦ÁØ|^¢ÁrÉÁg[ÁS]} ~ā\* '|^ÁÛŠVÁÔUÁÜā]\*ÁSæå^} &^ÉÁ^|^&óÁØ|^¢Áà\* œ[}ÁĢFËF€DÁ[¦Ás@Á æœdãà\* ởÁÇ^~¦Ág Áœà|^Ás^|[, DÈ
- ËÁ Ø[¦ÁØ|^¢Ás\* œ[}ÁGĒÁ[ÁS[}~āt\*¦^ÁÛŠVÁØĎTÁÜā]\*ÁSæå^}&^ÊÁ^|^&óÁØ|^¢Ás\*œ[}ÁGFËF€DÁ[¦Á œ@Áæædān\*œ^ÁÇ^^¦Á[Ác@Á[||[¸ā]\*Ásæà|^DÈ

IÈ Ú¦^••Ás@-ÁŠÙOEXÒáÁà`æ[}Á[Á-q[¦^Ás@-ÁåæææÁA}d^È

STL CO Ring Cadence

TRANS/PGM 440	BTN	RANGE	DEFAULT
CO RING REPEAT Determines the number of times the SLT CO ring will repeat; 255 means infinite repetition.	1	0-255	255
CO RING TIME UNIT Determines the duration in msec. for ON/OFF ring time.	2	0:10 msec 1:100 msec	100
CO RING 1 ON Determines the first ON ring duration.	3	0-255	010
CO RING 1 OFF Determines the first OFF ring duration.	4	0-255	040
CO RING 2 ON Determines the second ON ring duration.	5	0-255	000
CO RING 2 OFF Determines the second OFF ring duration.	6	0-255	000
CO RING 3 ON Determines the third ON ring duration.	7	0-255	000
CO RING 3 OFF Determines the third OFF ring duration.	8	0-255	000
CO RING 4 ON Determines the fourth ON ring duration.	9	0-255	000
CO RING 4 OFF Determines the fourth OFF ring duration.	10	0-255	000

### **SLT ICM Ring Cadence**

TRANS/PGM 440	BTN	RANGE	DEFAULT
ICM RING REPEAT Determines the number of times the SLT ICM ring will repeat; 255 means infinite repetition.	1	0-255	255
ICM RING TIME UNIT Determines the duration in msec. for ON/OFF ring time.	2	0:10 msec 1:100 msec	100 msec
ICM RING 1 ON Define the first ON ring duration.	3	0-255	006
ICM RING 1 OFF Define the first OFF ring duration.	4	0-255	002
ICMCO RING 2 ON Define the second ON ring duration.	5	0-255	002
ICM RING 2 OFF Define the second OFF ring duration.	6	0-255	040
ICM RING 3 ON Define the third ON ring duration.	7	0-255	000
ICM RING 3 OFF Define the third OFF ring duration.	8	0-255	000
ICM RING 4 ON Define the fourth ON ring duration.	9	0-255	000
ICM RING 4 OFF Define the fourth OFF ring duration.	10	0-255	000

### **ACNR Tone Cadence (TRANS/PGM 441)**

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Œ Ú¦^••Ás@Áå^•ã^åÁØ|^¢Áà cf}ÁFÉÁÇ^-△¦ÁfÁ⁄æà|^Œ

Ø|^¢ÁFKÁ[}^ÁÔæå^}&^ÁUÞ

Ø|^¢ÁGHÁN[}^ÁÔæå^}&^ÁUØØ

HÈ W•^Ás@ ÁsãædÁ, æåÁs Ár) cº¦Ás^•ã^åÁsæææÈ

IÈ Ú¦^••Ás@ ÁÃÙŒXÒáÁs α[}Ás[Ánd[¦^Ás@ ÁsaææÁn}d^È

VÜŒĐÙĐÚÕTÁÍIF	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
ÖQQEŠÁ/UÞÒÁÔCEÖÒÞÔÒÁEEÄCEÔÞÜÁÖæ¢Á(}^ÁÓæ¢^}&^È	F	€ËGÍÍ	Ë
Ü (Þ Ő Ó Ó Ó ŚÁ/U Þ Ò ÁÔ C Ö Ò Þ Ô Ò Á ËÁ G Ð Þ Ü Á Ü (Ð * à æ & Á () } ^ Á Ô æ Å ^ } & ^	G	€ËGÍÍ	Ë
ÓWÙŸÁ∕UÞÒÁÔŒÖÒÞÔÒÆŒŒÔÞÜÁÖ •^Á[}^ÁÔæå^}&^	Н	€ËGÍÍ	Ë
ÒÜÜUÜÁ/UÞÒÁÔŒÔÞÔÒÁŒÁŒÞÜÁÒ;;[¦Á/[}^ÁÔæå^}&^	I	€ËGÍÍ	Ë
ŠÔÜÁÖQQŠÁ/UÞÒÁÔCCÖÒÞÔÒÁŒÄC\$ÐÞÜÆSÔÜÁ(}^ÁÔæå^}&^	ĺ	€ËĞÍ	Ë

### **DB INITIALIZATION (TRANS/PGM 499)**

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CÈ Ú¦^••Ás@-ÁŠ/ÜCĐĐÙĐÚÕΤ áÁs α[}Ása) åÁsãæ þÁ JJÈ

HÈ Ú¦^••Ás@ÁØ|^¢Ás`cd} Á; ¦Ás@Ás^•ã^åÁOEcdãa`c^ÁQ^~\Á; Á/æà|^DÈ

IÈ W•^Ás@ ÁåãæqÁj æåÁg Á\} c\¦Ás@ Á^~~ã^åÁæ) \*^Á§A,^^å^åÈ

ÍÈ Ú¦^••Ás@AÃÙOEXÒáÁsìoc[}Ás[Ás[ãcãæd;ã^Ás@A^\|^&c^åÁsæææàæe^È

VÜŒÞÙÐÚÕT Á JJ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠV
O O (À) VOE/OU ÞÁ O O VOEÆ Ó Q ãã á dệ a ce 4 à Ái ace á Ç¢&^] Ó ( ↑¢ã   ^Ái č t } Ái ace e É	F	Ö^•ā/åÁrææā[}Áæ;*^ Gajãñææ;ā^Á, @[ ^ÁsæææÁ , @}ÁÁ;[Áæ;*^D	Ë
Φ·Φ·Φ·ΑÛVOE/OUÞ·ΑÖOE/OEÆÆÐQ ããã φã ^• ΑÛσε εξί } Ëaæ• ^å Æåææ Α΄ Ç·¢&^] σΑΙ^¢ãa ^Æa` αξ } Æåææ εξΕ	G	Ö^•ā^åÁræaā;}Áæ;*^ Çājāñædā^Á;@ ^Ásææá ,@}ÁÁ;[Áæ;*^D	Ë

TRANS/PGM 499	BTN	RANGE	DEFAULT
INIT STATION DATA Initializes Station-based data (except flexible button data),	3	Desired station range (initialize whole data when no range)	-
INIT STATION DATA Initializes flexible button data,	4	-	-
INIT STATION DATA Initializes CO line-based data),	5	-	-
INIT STATION DATA Initializes Station Group-based data.	6	-	-
INIT STATION DATA Initializes System-based data,	7	-	-
INIT STATION DATA Initializes SMDR data,	8	-	-
INIT STATION DATA Initializes System Timers,	9	-	-
INIT STATION DATA Initializes Table-based data,	10	-	-
INIT STATION DATA Initializes Tenancy Group-based data.	11	-	-
INIT STATION DATA Initializes Networking data,	12	-	-
INIT STATION DATA Initializes SIP data.	13	-	-

## **Hotel Management**

### **System Capacity and License**

The following tables list the specifications for both types of *MBX IP* systems:

Items	MBX IP 100	MBX IP 300		
KSU No.	2	3		
Slot No. per KSU	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: 8 Digits	Extension: 8 Digits		
	Feature: 8 Digits	Feature: 8 Digits		
	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 (32 digits)	2000(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)		

Items	MBX IP 100	MBX IP 300
Number of SMDR Records	5000	5000
Authorization Code	Max. 12Digits 180: Extension	Max. 12Digits 648: Extension
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)
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: 9	Table No: 9
	Number of Digit: 16	Number of Digit: 16
	300 per 1 table	300 per 1 table
No Of Bar Record	3000	7000

### <u>Ù^•¢^{ÁÔæ}}æ&ãĉ</u>

License for Hotel (Lock Key)	Note
PMS lock key for Hotel	PMS interface will be available
Fidelio lock key for Hotel	PMS and Fidelio interface will be available

### <u>Š</u>88^}•^Á[¦ÁP[¢]

The *MBX IP* system supports hospitality features like check-in/check-out, management of guest room information (Guest name, Guest Class of Service, Maid Status, Mini-bar, etc.), convenient features for hotel guests (Wake-up, DND, Message Wait, Bath Alarm, etc.), and efficient hotel operation and services through interworking with PMS (Property Management System) system.

In the *MBX IP* system, hotel features and office features are available in one software package. Basically, the hotel features are available only for hotel stations like guest station, front desk, and service station. But other normal call features like call transfer, call forward, camp-on, message wait and etc are common to both hotel and office stations. It is also possible to allow or deny calls between hotel and office stations. This configuration would be very useful in case there is a client who wants to have an office solution and hotel solution at the same time with only one physical telephony system.

### **Hotel Service Type**

Each extension of the **MBX IP** is assigned its own hotel service type, and typical features and services are provided depending on the allocated hotel service type.

There are 4 hotel service types: Office Station, Guest Station, Front Desk, and Service Station. In order to use hotel features, stations must be programmed to have hotel service types like guest station, front desk and service station.

One station can have only one hotel service type. It is impossible to have a station that is a front desk and also a service station. For another example, office station cannot be a front desk.

#### Office Station

It is not possible to use hospitality features like check-in, check-out, maid status and etc from an office station. But all the basic telephony services are available in an office station.

#### CONDITIONS

- Office station is the default hotel service type in the **MBX IP** system.
- The calls from office stations to hotel stations (guest station, front desk, and service station) can be allowed or denied.

#### **Guest Station**

A Guest station is a terminal that is in a hotel guest room and used by the hotel guest.

From the guest station, it is possible to use hotel-specific features like room monitor, maid status and etc. In addition, all the basic telephony services like DN (Directory Number) features, system features (Transfer, Forward, Speed Dial, VM features), CO features (DID, DISA) are available.

#### **CONDITIONS**

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Program Menu	Menu	Sub Menu
ŽÀáÁP[ơ\ÁØ^æci^	ŽFáÁP[¢\ÁÜ[[{ÁÔ@&λÁΩ	ŽFáÁÔ@~&\ ËQ; kÁX QÚÁÜ[[{ ÁÛ^ccā};*
		ŽŒÁÔ@~&\ ËQ; KÁŠÔÖÁŠæ); * * æ* ^
		Ž+1áÁÔ@0-&\EQ\KÁX[a&^ÁÚ¦[{]c
		ŽiáÁÔ@ &\ËQìKÁN[  ÁÜ^•da&aÁÔ æ•
		Ž áÁÔ@ & ËQ KKÖð ãÁV¦æ) •ÁÔ æ•
		ẫáÔ@&\ËQ\KŐ`^•ơÞæ(^ÁÙ^Œ);*
		Ži áÁÔ@ & ËQ KÁÚT ÙÁÕ¦[ˇ] ÁÙ^ccāj*
		ŽiáÁÔ@&\ËQ;KÁÔ@&\ËU`AÛ&@å` ^
		ŽJáÁÔ@&\ËQ\KÁÔ[}~ã{
	ŽGáÁP[♂ ÁÜ[[{ÁÔ@^&\ÁU`c	
	ŽΗάΑΡ[ c^ ΑÜ[ [ { ÁÔæ ΑÓ [ &\ Á	ŽFáÁÜ[[{ ÁÔ ἀΕ̈́υ~-
		ŽGÁÜ[[{ÁQÔTÁÔæ
		ŽHÁU}^Eã ^ÁÔUÁÔæ ÁW^^

B-5

Program Menu	Menu	Sub Menu		
[#] Hotel Feature	[4] Hotel Room Setting	[1] Room Wake Up Register		
		[2] Room Wake Up Cancel		
		[3] Room DND Setting		
		[4] Room Message Wait		
		[5] Room Bath Alarm Enable		
		[6] Room Bath Alarm Disable		
		[7] Room Author Code		
		[8] Room Prepaid Money		
	[5] Hotel Room-Swap Setting			
	[6] Hotel Room Maid Status			
	[7] Hotel Room Charge/Status	[1] Room Charge Print		
		[2] Room Status Print		
		[3] Delete SMDR (Service Station)		
	[8] Hotel Room Rate	[1] Room Rate Register		
		[2] Room Rate Assign		
		[3] Room Part Time Fee		
		[4] Room Bar/Mini-bar Charge		
	[9] Hotel Room Call Rate	[1] Room Call Rate Register		
		[2] Room Call Rate Assign		
	[0] Hotel Misc Program	[1] Hotel Name		
		[2] Set Call Forward		

#### Front Desk

Front desk is a terminal that can be used in hotel front desk.

It provides more hotel features than the guest station. Features like check-in, check-out, guest info setting and display, room swapping and etc are supported for front desks. Front desk can provide hotel services to the hotel guests and service stations.

#### **CONDITIONS**

- Front desk program menus are available only from front desks.
- There can be multiple front desks and there is no limit on the number of front desks.

April 2012

Appendix B: Hotel Management

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- ËÁ V@ Ánnac^}åæ) ok&æ) Áns^Áj¦[\*¦æ{{ ^åÁn[Án^Á¦[}okå^•\ÈÓˇokô@ā Ánē Áj]cā[}æþÁī Án@ Á•^¦•È

#### **OPERATION**

#### **Front Desk**

\[\\\\\\\\\angle \angle

### P[c^|ÁÚ|[\*|æ{ÁT^} ´ÁŠãc

FÉÀP[ & |ÁÔ @ & ÁQ CÉÀP[ & |ÁÔ @ & ÁUˇ c HÉÀP[ & |ÁÔ @ & ÁUˇ c HÉÀP[ & |ÁÛ [ [ & ÁÛ ^ ccā] \* Í ÉÀP[ & |ÁÜ [ [ { ÁĞÛ ] æ] ÁÛ ^ ccā] \* Î ÉÀP[ & |ÁÜ [ [ { ÁĞ @ & \* ^ ĐÙ cæeč • Ï ÉÀP[ & |ÁÜ [ [ { ÁÛ æec^ } ] ÉÀP[ & |ÁÜ [ [ { ÁÛ æec^ } ] ÉÀP[ & |ÁÜ [ [ { ÁÛ æec^ } ] ÉÀP[ & |ÁÜ [ [ { ÁÛ æec^ } ] ÉÀP[ & |ÁÜ [ [ { ÁÛ æec^ }

### Service Station

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@ÁarÁp[cÁp[••āa|^Áq[Æc@&\ĀarÁr\;çæ&^Árœeāj}Áa^&æĕ•^ÆarÁr,[cÁm²\*^•oÁrœeāj}ÈÁO`cÁaækÁs@ek\*^Á
&æjÁarÁr}c^!^åÁajÁr^¦çæ&rÁrœeāj}ÈÁQJÁr@arÁsæ•^ÊáaækÁar{•Ár@; |åÆarÁr\*ārc^!^åÁai•cÁærÁaækÁ
]¦[å\*&æGÁ;æq^É

#### CONDITIONS

- ËÁ QÁBÁ Á A pá Á [ • Bà | ^Á [ ÁSA | ÁSA A COBA] } ÁÁ [ { ÁSA A COBA] } ÉÓ J; åÁ^\* æð | Å• Á [ -ÁOĎT ÁSA | ÁSA | ÁSA | ÁSA A ÁSA | ÁSA | ÁSA | ÁSA | ÁSA A ÁSA | ÁSA A ÁSA A ÁSA A ÁSA | ÁSA A
- ËÄ QÁTĒÁE[][••āā|^ÁE[Án^oÁseÁn cæeā[}Áā[c@Áse•Á[[{Áse;åÅse•Án^lçā&∧Án cæeā[}ÁseeÁs@∙Án æ(nÁsā[∧È

Multiple Front Desks

- The calls from service stations to office stations can be allowed or denied.
- At hotel service station, a guest can make an outgoing CO call with password by using 'Walking COS' feature or by using One-Time-CO-Call Enable Feature.

#### OPERATION N

To call Hotel Service Station:

- 1. Lift handset or press [SPEAKER] button.
- 2. Dial the service station number as a normal intercom call.

### **Multiple Front Desks**

Multiple front desks can be activated via programming. A station becomes a front desk if it is assigned a hotel service type as front desk.

#### **CONDITIONS**

- There is no limit on the number of front desks.
- If there are multiple front desks, they can be put into one station hunt group so that the multiple front desks can receive calls from guest stations or service stations.
- If the attendants are programmed to be front desks, the attendants will be able to cover office stations and hotel stations. In this case, calls between office stations and front desks should be enabled.
- Simultaneous front desk programming is possible in iPECS-MG system. Only the latest update will be effective if multiple front desks program the same settings.

#### **OPERATION**

Front desk features and program menu are available from front desk.

### Check In

It allocates a guest room to each guest, changes the maid status and registers basic information of the guest(s) individually or entirely. This feature is available from PMS (Property Management System), and Front Desk.

#### CONDITIONS

- System checks if a room to check in is set to provide WAKE-UP, Call Forward, DND, Absence and Message Wait. If they are registered, all those features are canceled.
- When check-in is registered from PMS, guest grade, language ID, COS, name, PMS group number, and expected check out time must be entered.
- If check-in to a new room is confirmed by the front desk without programming any data, system processes the check-in with default values.

- EÁ Ø[{ Ác@Á![} ơÁc^^\ÉbánÁs Á;[••âs|^Á; Ác@è) \*^Á; ^•ơÁ[[{ @ÁsæææÁÇX QÚÉÁŠÔÖÐÚ![{ ] oÁ |æ] \* `æ!^ÉÁs|æ••Á; Ár^|çã&'ÉÁ; ^•ơÁ; æ; ^ÉÁÚÙT Á;[`] ÉÁsè) åÁr¢] ^&ơå Å&@&\ Ḥ `ơÁ •&@å`|^DÁc^Ác@à Ár>æ; '^ÈÁGÁ; }^Á; Ác@Ásà; [ç^Ásæææás Ás@è) \* ^åÁ; |Áse|^æå; Ás@&\^åËġ Á; [[{ •ÊÁ; c@|Ásæææàæ ^Áçæ; ^•ÁÇ;|Ár¢æ; ] |^ÉÁs@&\ EÀUT ÖÜÁr&; |åÉAr c&\HÌDÁs+^Á; |ơÁs@è) \* ^åÆè^Á; |åæc^åÈ
- ËÁ Öˇ¦ā̞\*Á&@&\Ëa̞+Œ&@a̞}\*^Áτˇ^•σÁ\*cæeč•Á̞;¦[&^••ÊÁ̞[[{Á·cæeč•Áạ·Á̞¦ā̞c^åÁsæ[ǐ\*@Á ÜÙĒĊHCOÁ̞[¦dĚV@Á̞;lā̞dḤˇσÁ̞;l{ææÆaÁæaÁ̞[][[•K

Chk-In ROOM CHECK_IN GUEST_NAME COS ICM GRP WAKE AUTH PRE-PAID Call-RT	CHARGE
0100 12/29-18 11 No No 0 . 0	
Changed	CHARGE
ROOM CHECK_IN GUEST_NAME_COS ICM GRP WAKE AUTH PRE-PAID Call-RT	CHARGE
0100 12/29-18 C.H. Lee 11 Yes 01 06:00 Yes 20000 1 -20000	

NOTE:  $\hat{O}^*|_1^A$  &  $\hat{A}^A$   $\hat{a}^A$   $\hat{A}^A$ 

- ËÁ Y @}ÁæÁ\*^^•Ó&@&\•Á\$JÁ[ÁæÁ[[{ ÊÁUT ÖÜÁæ}åÁÓŒÜÁ^&[¦å•Á;ÁœÁ[[{ Áæ}^Á&]^æAåÈ
- EÁ QÁĐÁ cœđį } ÁĐÁ^\* ã c^!^åÁœ Á^!çã&^Á cœđį } ÊÁ![ } cÁB^• \ Á ; āļÁ^&^ã;^ÁæÁ ā;\* |^Á\*!![ lÁ[ } ^Á @ } Á&@ & ā;\* ÁÐ Á[ Áœ Á^!çã&^Á cæđį } È
- ËÁ V@Á§,-{¦{ aeaa[}Af,-Á\*^•cÁ[[{ Á, āl/Ás^Á;|c^&c^åÈ
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#### **OPERATION**

#### **Front Desk**

To check in an empty room:

- FÈ Öã¢ÁœÁŽÚÕTáÁà co[}ÆÁÁFÈ
- CÈ CHÙ!^••ÁæÁ, @}^Á, ~{ à^¦Á; ÁæÁ, @}^Á, ~{ à^¦Áæ, \*^Á, -Áå, •ā^åÁ[[{ G DÈ Ú!^••ÁæÁ, c, ^^}Á, @}^Á, \*{ à^¦•Á, @}Á; e^lā, \*ÁæÁ, @}^Á; { à^¦Áæ, \*^È
- HÈ Ú¦^••Ás@AŽÙOEXÒáÁà cd;}È
- IÈ Ö^• āt} ææ^ ÁæÁs^• āt^å Áşæţ ~ Ás^] ^} åāj \* Át} Ás@ Át ||[¸āj \* Át ^} `Á, `{ à^¦È FÁKÖ^• āt} ææ^ Át[ [{ Áx Œ A'[[{ Áx Œ A'] [{ Áx Œ A'] [{ Áx Œ A'] [{ Áx Œ A'] [} { Áx Œ A'] [} } A']
  - HÁKÍÖ^•āt}ææ^Á[[{Á,@}}^Áç[a&^Á;:[{]oÁæ;\*\*æ\*^

- 4 : Designate digit restriction class
- 5 : Designate digit conversion class
- 6: Designate guest name
- 7: PMS group setting
- 8: Expected check-out date and time
- 9 : Confirm check-in completion
- 5. Press a desired value of each sub menu and press the [SAVE] button.
- 6. When completing setting of all values, dial 9 to finish check-in.
- Select Check-In Confirmation and press the [SAVE] button. (0 : Confirm, 1 : Cancel)
- 8. When check-in is successful, you may hear a service set tone; check the result through the phone LCD.
- 9. When check-in fails, you may hear an error tone.

### **Check Out**

It registers check-out of hotel guests individually or entirely from PMS (Property Management System) and Front Desk.

#### **CONDITIONS**

- Upon check-out, guest name is deleted and it is restored to be "ROOM". Language ID and the COS are changed into values programmed in hotel general information (PGM XXX).
- When check-out is performed, maid status of the room is changed to "DIRTY (To be cleaned)". And the followings are automatically cleared or set:

Fields that are cleared:

Absence message and Message Wait / Guest Name / DND / Wake-Up Time / Call Forward Status / Authorization Code / Maid Status / Station COS / Prepaid Money / Voice mail

Fields that are set.

ICM disable / LCD language (PGM XXX) / Prompt language (PGM XXX) / Room to room Call Group /

Call charge rate (default call charge rate assigned at PGM XXX)

ÉÁ Öʿlā;\*Ás@&\E;ˇơÁ;¦[&^••ÉÁ[[{ Á[œdÁs@d\*^Áā;Á]ā;ďåÁœ[č\*@ÜÜÜECHGÔÁ;[¦ơÁs)åÁ ]¦ā;ďåÁ;¦{ædÁsÁæ;Á;∥[,•ÈÁCEÁœã;Áā;^ÉŠSÁœ;ÁQ;ď/Á;æ;^Ás;Á)\*ā;ď\åÉÁsÁs;Á;]a;ďåÁs;Á ]|æ&^Á;-Ás@Áãd;^ÁÄPUVÒŠÁ>CETÒÄÄUơ@¦¸ã°ÉÁsœáÁ[¸ÁsÁ;[ŏÁ;¦ā;ďåÉÁCE;åÆsÁ[ˇÁ°^|^&óÁ {^cQůÁÁ;-Á;æ̂{^}CÉÁSÆsÁ;Á;ā;ďåÉÁUơ@¦¸ã°ÉKœæÁ[¸ÆsÁ;[ơÁ;¦ā;ďàÈ

			HOTEL N	IAME		
	TOTAL CH	HARGE IN	ROOM 10		st-Name	:)
Check - In : 94/1 Check - Out : 94/		days)				
Start-Time 0 12/27-13:10 12/27-13:30 12/28-21:22	01 00:00:32 01 00:01:23	00018234 00018234	13507951 13507951	nt Call-0 0 3 31	Q Una	ark answered
Charge-Time 12/28-21:32 12/29-10:10	COFFEE-S	HOP C	OFFEE DKE	Bar-Cos	5000	tax 100 30
Item (1) ROOM C			x(rate) 30000	Sum 0(10.009	%) 33	0000
(rate 02 : G (2) CALL CH (3) BAR CH (4) PRE-PAI	ARGE: 1 ARGE: 8	17000 :000	170(10 130	.00%) -20000	17170 8130	)
Method of pa		Д.		-20000		
TOTAL	:		33	35300 W	/ON	

NOTE: Ô' :|'^} & ÁN} ãĐÙT ÖÜÁZ! æ&cā[ } Áå^] ^} åÁ[ } ÁÚÕT ÁCHCÈ

#### **OPERATION**

#### **Front Desk**

To check out a room:

B-11

- 1. Dial the [PGM] button + #2.
- 2. Press a phone number or a phone number range of desired room(s). Press \* between phone numbers when entering a phone number range.
- 3. Press the [SAVE] button.
- 4. Select Check Out Confirm. (0 : Confirm, 1 : Cancel)
- 5. Press the [SAVE] button.
- If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 7. When check-out fails, you may hear an error tone.

### **Call Barring**

### **CO Call Barring (Room Cut)**

The use of CO lines from guest stations can be allowed or denied from Front Desk or PMS.

#### CONDITIONS

- It is possible to register or cancel room cut individually or entirely from PMS.
- If room cut off is registered from PMS, registered room number, cut off status and input location must be entered.
- If C/O line is accessed for an outgoing call from a room, room cut setting is checked. If room cut is registered, the call is released.

#### **OPERATION**

#### **Front Desk**

To register/cancel room cut information:

- 1. Dial the [PGM] button + #31.
- Dial a phone number or a phone number range.
   Press \* between phone numbers when entering a phone number range.
- 3. Press the [SAVE] button.
- 4. Designate whether to use trunk call. (0 : Allowed, 1 : Not Allowed)
- Press the [SAVE] button.
- If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 7. Otherwise, you may hear an error tone.

### **ICM Call Barring**

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\[ \{ \int \hat{\ata} \cdot \hat{\ata} \

		Guest S	tation					
Extension Type		ICM Call ICM Call Not Allowed Allowed		Service	Front	Attendant	Office	
2,700	Same Group	Different Group	Same Group	Different Group	Station	Desk		Extension
Guest Station	0	X	0	0	О	0	0	Option
Service Station	О			0	0	0	Option	
Front Desk	О			0	О	0	Option	
Attendant	0			О	О	О	Option	
Office Extension	Option			Option	Option	Option	О	

NOTE: UKÁÔæ|ÁsaÁ,^¦{ ãœ^å

Ý kÁÔæ||ÁãnÁ,[cÁ,^¦{ãnc^å

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#### CONDITIONS

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à ^ & [ { ^ • Á ^ ¦ [ Áà ^ Áá ^ æĕ | dĚŐ ˇ ^ • oÁ cæáj } • Áà ^ | [ } \* á; ÁÚT ÙÁt ¦ [ ˇ ] ÁŒÓŚæáj } [ oÁsæijÁ æ&@Á
[ c@ | ÉÁGÉ@ \_ ^ c ^ ¦ ÉÁOT ÁÖæljÁÓæb¦ ā \* Áæ Ææbl \_ ^ å dÉÁæÁsæbjÁ á [ • • âa | ^ È

- Basically, a guest station can call hotel guest stations in the same PMS group except PMS group 0. In other words, if ICM Call is not allowed, a guest station can call guest stations only included in its PMS group. If, however, ICM Call is permitted, a guest station can call guest stations which belong to other PMS groups.
- Regardless of ICM Call Barring, a guest station can make calls to all service stations, front desks and attendants. Generally, a guest station cannot call office extension. If, however, "Call Office from Hotel Room" of Hotel Normal Information is permitted, office extension can be called.
- Regardless of ICM Call Barring, a service station can call other service stations, front desks and attendants. Generally, a service station cannot call office extension. If, however, "Call Office from Hotel Service" of Hotel Normal Information is permitted, office extension can be called
- Regardless of ICM Call Barring, a front desk can call guest stations, service stations, front desk and attendants. Generally, a front desk cannot call office extension. If, however, "Call Office from Hotel Front" of Hotel Normal Information is permitted, office extension can be called.
- Regardless of ICM Call Barring, a hotel attendant can call guest stations, service stations, front desks and attendants. Generally, a hotel attendant cannot call office extension. If, however, "Call Office from Hotel Attendant" of Hotel Normal Information is permitted, office extension can be called.

#### **OPERATION**

#### **Front Desk**

To register ICM Call Barring:

- 1. Dial the [PGM] button + #32.
- 2. 2.Dial a room phone number or a phone number range. Press \* between phone numbers when entering a phone number range.
- Press the [SAVE] button.
- 4. Designate whether to use ICM. (0 : Allowed, 1 : Not Allowed)
- Press the [SAVE] button.
- 6. If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 7. Otherwise, you may hear an error tone.

### One-Time CO Call Use

By the request of guest, front desk can enable one-time CO call to an intercom-only station. In this time calling station's COS is temporally changed to that of the charged station's COS.

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#### CONDITIONS

- ËÁ Ô@ed\*^åÁncæeāi}Án, ઁ•oÁsn^Ásæá&@?&\^åËā;Á[[{Áncæeāi}}È
- EÁ OTEÁS@ÁA} åÁ ÁÔUÁSæHÉS®Á œetá} / ÁSæ} } [ ÓÁSES&^••ÁÔUÁJ} ^È
- $\dot{E} \dot{A} = \hat{A} \cdot \hat$
- ËÁ Ô@ed\*^åÁrcædā[}Ájæê•Á[¦Ás@àÁ&æd|È
- ËÁ Ú¦ājdĒj oÁy¦{ædÁs Áse Áy||[ ÈÁÚcæÁða |å Áy ^æ) Ás@æd\* ^å Áy cædāj} Áse) å ÁÜ^{ æb\ Áða |å Ásæd|āj \* Á • cædĚÁÇ ¢ hÁsæd|āj \* Áy cæd⊀F CEÁÁs@æd\* ^å Áy cæd⊀F €I DÈ
- ËÁ Ô[•ơਓa Á&æd&č|ææ^åÁ•ã]\*Á&@æd\*^åÁrææðā]}€Á&æde|Á&@æd\*^Áææ^È

No STA CO TIN	ME START	DIALED C	OUNT	COST	Remark
0001 104 01 00:0	1:23 12/29/94 08:16	0001034507950	3	500	R 0112

#### **OPERATION**

#### **Front Desk**

To enable ICM Only station to dial outside calls:

- FÈ Öã¢Ác@ÁŽÚÕTÁÁàča(}ÁÉÁÀHHÈ
- GÈ Öã  $d\hat{\beta} * \hat{A}\hat{D} = \hat{A}\hat{D} + \hat{A}\hat{D} + \hat{A}\hat{D} = \hat{A}\hat{D} + \hat{A}\hat{D} + \hat{A}\hat{D} = \hat{A}\hat{D} + \hat{A}\hat{D} + \hat{A}\hat{D} + \hat{A}\hat{D} + \hat{A}\hat{D} = \hat{A}\hat{D} + \hat{A}\hat{$
- HÈ ÖãæþÁEÁ(¦ÁsæÁs^|ã(ãe^\È
- IÈ Öãnd ÁÔ@nd\*^å ÁÛcancaaaaaa } Áro ~{à^¦È
- ÍÈ Ú¦^••Ás@AŽÙOEXÒáÁs ઁcd;}È

### **Room Setting**

### Wake-Up Registration/Cancellation

QÁ^\*ã°¢\•Á;¦Á&æ)&^|•Á æ)^Á]Á;-ÁQ¢¢|Á\*^•°Á|[{ ÁUTÙÁQÚ|[]^¦ĉÁTæ)æ\*^{ ^}oÁÛ^•¢{ DÉÁ CE¢}åæ)dÉØ[[}oÁÖ^•\Åæ)åÄŐ\*^•œÁUææā}È

#### **CONDITIONS**

- ËÁ W}|^••ÁsaÁ[[{ÁsaÁ&@^&\^åÁsþĒásó¥aÁs[][••ãa|^Ás[Á^\*ãrơ\+B&aa}&\/Á;áà^\*ãro\+B&aa}&\/Á;aà^Á;Āáī,^È
- ËÁ W;|^••Á; æà^Á;]Ásā; ^ÁsēÁ^\*ãr♂¦^åÊŠanÁsēÁs[][••ãa|^Ás[Ásæa;}&^|Á; æà^Á;]Ásā; ^È

When wake up is registered/cancelled from Attendant, Front Desk, Guest Station or PMS, wake-up service result is notified to PMS.

#### **OPERATION**

#### Attendant

To register wake up for a room:

- 1. Dial {Wake-up Register} feature code or [PGM] button + 045.
- 2. Press a phone number range of desired room(s).
- 3. Dial four digits of desired time suitable for 24 HR mode.
- 4. If wake up is required to be repeated, dial #.
- Press the [SAVE] button.
- 6. If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 7. Otherwise, you may hear an error tone.

#### To cancel wake up for a room:

- 1. Dial {Wake-up Cancel} feature code or [PGM] button + 046.
- Press a phone number or a phone number range of desired room(s).
- Check current wake up time.
- Press the [SAVE] button.
- If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 6. Otherwise, you may hear an error tone.

#### Front Desk

To register wake up for a room:

- 1. 1.Dial {Wake-up Register} feature code or [PGM] button + #41.
- Press a phone number range of desired room(s). Press \* between phone numbers when entering a phone number range.
- Press the [SAVE] button.
- Dial "1" to register wake up.
- 5. Dial four digits of desired time suitable for 24 HR mode.
- 6. If wake up is required to be repeated, dial #.
- Press the [SAVE] button.

ÌÈ QÁBÁBÁ^ &&^••~ |ĒÁ[ ˈÁ; æÁ@æÁæÁ^¦çæKÁ^ÓÁ[}^LÁ&@& Ás@Á^• ˇ|ÓÁ@[ ˇ\* @Ás@Á; @}^Á ŠÔÖÈ

JÈ Uc@ ¦ã ^ÊÁ[ ´Á; æ Á@ æ Áæ) Á ;; [¦Áq; } ^È

### To cancel wake up for a room:

- FÈ ÖãæbÁY æð ^Ë]ÁÔæð &^|¤Á^æč¦^Á&[å^Á[¦ÃĬÚÕTáÁð cd]}ÁÉÁÀI ŒÈ
- CÈ Ú¦^••ÁæÁ, @}^Á, ~{ à^¦Á; ÁæÁ, @}^Á, ~{ à^¦Áæ, \*^Á, ~Áå^•ã^åÁ[[{ G IÈ Ú¦^••ÁæÁ, c, ^}Á, @}^Á, ~{ à^¦•Á, @}Á; o^¦ā, \*ÁæÁ, @}^Á, ~{ à^¦Áæ}\*^È
- HÈ Ú¦^••Ás@AŽÙOEXÒáÁàč co{}È
- IÈ ÖãæþÁÄGÄÁ(Á&æ)&^|Á,æ\^Á]È
- ÍÈÔ@^&\Á&~;!\^}cÁ,aà^Á]Áaã^È
- ÎÈ Ú¦^••Ás@•ÁŽÙOEXÒáÁs°cd;}È
- ÏÈ QÁSÁSÁA Á `&&^••~ ¡ÉÁ[ ˇÁ; æ Á@ æ ÁæÁ^¦çã&^Á,^óÁ;}^LÁ&@ & Ás@ Á,^• ˇ|óÁs@[ ˇ\* ØÁs@ Á; @;}^Á ŠÔÖÈ
- ÌÈ Uc@o^¦¸ãr^ÊÁ[ˇÁ(æêÁ@^ækÁæ)Án\;[¦Áa[}^È

#### **Guest Station (Digital Phone)**

### To register wake up time:

- FÈ Öãæ ÁY æ ^Ë ] ÁÜ^\* ã cº\¤Á ›æ '\^Á&I å ^ÁI ¦ÁĚÚÕT áÁ `cɗ } ÆÁFHÈ
- QÈ ÖãæqÁ[ˇ¦ÁsãããæÁ^]¦^•^}cã;\*ÁQ¸˚¦Ásæ)åÁ;āj˘c^È
- IÈ Ú¦^••Ás@^ÁÃÙŒXÒáÁsì cq[}È

### To cancel wake up time:

- FÈ ÖãæHÁY æ\^Ë]ÁÔæ}&^|¤Á^æc'|^Á&I å^Á|Á|^••Á@AÃÚÕTæÁi od}ÆÁFIÈ
- ŒÙ Ú¦^••Ás@AŽÙŒXÒáÁàč cơ;}È

### **Guest Station (Single Line Telephone)**

### To register wake up time:

- FÈ ŠãoÁc@ Á@e) å•^dÈ
- QÈ Öãæ Á Û ā \* |^ÁŠā ^Á ^|^] @ } ^Á, Y æ ^Ë ] Á Ü ^\* ã ơ \ ÞÁ › æ ' \^Á&[ å ^ÈÁ
- HÈ ÖãæþÁ[ˇ¦ÁsåðãæÁ^]¦^•^}cð,\*Á@[ˇ¦Ásæ)åÁ(ð,\*ďÈ
- IÈ ÖãzeþÁÁÁ[Á^]^æzÁ¸æk^Á;]Ácã[^È
- ÍÈ W][}Á@[[\Ë|æ•@ÁÁæÁ&[}-ã{æaã[}Áq[}^Áa§A@}æååÈ

To cancel wake-up time:

- Lift the handset.
- Dial Single Line Telephone {Wake-up Cancel} feature code.
- 3. Upon hook-flash, a confirmation tone is heard.

# Do No Disturb Registration/Cancellation

DND (Do Not Disturb) can be registered/canceled from Front Desk, Guest Station or PMS to a specific room.

#### CONDITIONS

- Unless a room is checked in, it is impossible to register/cancel DND.
- It is possible to register/cancel DND individually or entirely from the front desk. The
  existing terminal registers only its own DND but Front Desk registers DND of other
  rooms.
- Guest station registers/cancels its own DND. The existing DND procedure is maintained.

#### **OPERATION**

### **Front Desk**

To register/cancel DND:

- 1. Dial {DND Register/Cancel} feature code or [PGM] button + #43.
- 2. Press a phone number or a phone number range of desired room(s). Press \* between phone numbers when entering a phone number range.
- Press the [SAVE] button.
- 4. Select DND registration or cancellation. (0 : Register, 1 : Cancel)
- Press the [SAVE] button.
- If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 7. Otherwise, you may hear an error tone.

### **Guest Station (Digital Phone)**

To apply DND to prime directory number (P-DN):

Press the [DND] button when it is not active. [DND] LED turns on.

To remove DND from prime directory number (P-DN):

Press the [DND] button when it is not active. [DND] LED turns on.

To apply DND to sub directory number (S-DN):

FÈ Ú¦^••Ás@\ÁÖÞÁà`cd;}ÁqÁ^\*ãc^\È

CÈ ÖãHÁÖÞÖÁÜ^\*ã c'\HÔæ) &\Á\æ`\^Á&[ å^ÈÁ'@\^Áa Á| Á&@) \*^Á\$ ÁĞÞÖÞÖÁŠÒÖÁ, Ác\{ ā æ\Á æ) åÁŠÒÖÁ, Ác\Á@ Á&[ \\^•] [ } åā \* ÁÜËÞÁà` cq } Áa|ā\•È

To remove DND from sub directory number (S-DN):

FÈ Ú¦^••Áo@ÁÖÞÁà of}ÁfÁ^\*ãc\È

CÈ ÖŒHÁÖÞÖÁÜ^\*ã ơ\HÔæ; &^|ÞÁØ^æč\^ÁÔ[å^ÈŒ\^Áæ Á,[Á&@e; \*^Áş,ÁÖÞÖÁŠÒÖÁ, Á ơ\{ ā; aké; à ÁŠÒÖÁ, Áœ Á&[;\^•][}åā; \*ÁÜEÖÞÁà` ɑ[}Áċ`; • Á; ~È

### **Guest Station (Single Line Telephone)**

To register DND:

Ö ãædÁ,Ö Þ ÖÁÜ^\* ã cº l ĐÔæ) &^ | ÞÁº æc l ^ Á&[ å^ ÞÁÚ^ l ç ã&^ Á^\* ã d ææði[ } Á&[ } ^ Áæ Á@ æð å È

To cancel DND:

Öãn phá @ ÁÖÞÖÁÜ^\*ã c^\BÔæ) &^|¤Á^æc`\^Á&[å^ÈÀÛ^\çã&^Á^\*ã dænā[}Á[}^Á[}^A É]

# Message Wait Registration/Cancellation

QÁ^^\*ãrơ\'•Á;¦Á&æ)&^|•ÁT^••æ\*A'ÆæãÁ\[{ÁØ|[}ơÄÖ^•\ÊÃÕ`^•ơÂŪææã;}Áæ)åÁÚTÙÈ CONDITIONS

- ËÁ QÁÁÁÍ •• ãà | ÁÁ Á^\* ã cº ¦ Á, ^•• æ\* ^ Á, æãnÁB, åãçãã `æ| Á, Á\ cã^ | Á, Á\ ( Á\T ÙÈ
- EÁ QÁÁ Á,[••ãa|^Á; Á^\*ã c^¦Á; Á&æ) &^|Á; ^••æ\*^Á, æãó Á; åãçãà æ||^Á; lÁ\*} cã^\|^Á; { Á·[} cÁ\*\_[} cÁ\*\_] &^\ÈÁ V@ Á çã cã; \*Á; ^••æ\*^Á, æãóÁ; [&^å` |^Æ; Á; æá; cæá; ^åÈ
- ËÁ T^••æt^Á, æðinÁn Án^\*ã c^¦^åÁ, ¦Ásæ) &^||^åÁ¦[{Ár`^•oÁ œæði}}ÈÁV@ Án¢ã œl,\*Á, ^••æt^Á, æðinÁ ]¦[&^å`¦^Æn Á; æðinæðin ^åÈ

#### **OPERATION**

#### **Front Desk**

To register/cancel a message:

- FÈ Öã ĐÁ ĐÃUÕT Á ĐÃ CO[}Á ĐÂ Ì IÈ
- Œ ÖãædÁæÁ ^••æ\*^Ár^}å^¦€Á,@}}^Á; à^¦Áæ}åÁÈ
- HÈ Ö㢠ÁxÁ, ^••æ\*^Á^&^ãç^¦©Á, @}^Á, { à^¦Á; ÁxÁ, @}^Á, { à^¦Áæ; \*^È Ú¦^••ÆXÁ, ç ^^}Á, @}^Á; { à^¦•Á, @}Æ, @}Æ, @}^Á; { à^¦Áæ; \*^È
- IÈ Ú¦^••Ás@•ÁÃÙŒXÒáÁàˇα[}È
- ÍÈ Ù^|^&oÁ; ^••æ\*^Á^\*ãidæaã;}Á;¦Á&æ;)&^||æaã;}ÈÁÇEÁÁÜ^\*ãic^¦ÉÁFÁÁÔæ;)&^|D
- ÎÈ Ú¦^••Ás@•ÁÃÙOEXÒáÁsǎcq[}È

- If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 8. Otherwise, you may hear an error tone.

## **Guest Station (Digital Phone)**

To leave message wait when there is no answer:

- 1. Press the [CALL BK] button. A confirmation tone is heard.
- 2. Hang up the call.
- The receiver's [CALL BK] button LED blinks.

To leave message wait in DND mode:

- 1. Press the [CALL BK] button. A confirmation tone is heard.
- 2. Hang up the call.
- 3. The receiver's [CALL BK] button LED blinks.

To leave call back when the other party is in talk state:

- 1. Press the [CALL BK] button. A confirmation tone is heard.
- Hang up the call.

To make a call when a reserved ring is received:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. A call is made to the extension previously reserved.

To make a call when message wait is received:

Press the blinking [CALL BK] button.
 Then, the following screen is displayed.

MWI(00) VMS(00)

- In order to check a type of waiting message, dial 1-2 and select message type.
  - 1 (MWI: Check a list of missed calls.)
  - 2 (VMS: Check VM message.)
- Check MWI detail through Volume Up/Down.
- 4. Press the [HOLD] button to select an appropriate item.

## **Guest Station (Single Line Telephone)**

To leave message wait when there is no answer

Appendix B: Hotel Management

FÈ Taà^Á@[\Á|æ•@È

GÈ ÖãœdÁT^••æt^Á, æããÁ^\*ãrc¹þÁ^æci¦^Á&I å^ÈÁOZÁ&I}~ãi{æcãI}Áf}^Á§ Á@eædåÈ

HÈ Pæ) \* Á ] Ás@ Á&æ|È

To leave message wait in DND mode

FÈ Taà^Á@![\Á\æ•@È

CÈ ÖãœdÁT^••æt^Á æããÁ^\*ã c°¦¤Á^æc'¦^Á&I å^ÈÁOZÁ&I}~ã{æcã}}Ád}} Adi} Adi}

HÈ Pæ) \* Á ] Ás@ Á&æ||È

To make a call when message wait is received

Y @ }Á[ˇÁ, æ ¼ Á]Ác@ Á, @ } ^ÉÁ[ˇÁ@ æ ÁæÁg[}^Á^]¦^•^} cā, \*Á, ^••æ\*^Á, æ aíÁæ)åÁs@ }Á å aæ Ág} } ^ÉÖ aæ Á, T ^••æ\* ^Á⁄æ aã ÁÜ^]|^¤Á^æ ;¦^Ás[å^È

To leave call back when the other party is in talk state

FÈ Tank^Á@[[\Á|æe@È

QÈ Ö and Á Ô and Á Ó and Á And Á

HÈ Pæ) \*Á]Ás@ Á&æ|È

To make a call when a reserved ring is received

FÈ ŠãoÁc@ Á@a å• ^cÈ

QÈ QEÂSad|Án Á; anô Á; Ás@ Á ¢ c² } • ā; Á; ¹ ° çã; ˇ • | ˆ Á ^ • ^ ¦ ç ^ å ÈÁ

# **Bath Alarm**

QÁxxÁn czezā[}Át[^• Á; ~ĒQ[\Áxx) å Áx@ Á@x) å•^ofa Á\^\_óxx4[}^A, āxQ \* ofa āx43; \*Á; ¦Áx@ Áa\* ¦æzā[}Á; -Á àææ@Áx4xd{ Áxā[^!ÁÇŮÕT Á<mark>ÝÝÝ</mark> DÁx@ Á; ¦[\* ¦æ{{ ^å Áa ātā ār Áxd^ Áa āxe}^a Áxē ({ aæā8æ4|^Èa

#### CONDITIONS

- ËÁ Óæc@Ándpæt{Ássæd|ÁÇÜāj\*DÁssæd}}[dÁs^Á[¦,ætå^寿eÁæéÁ;[¦{ædÁssæd|È
- ÉÁ Ù^•c^{ Ánsec^} åæ) c/\$æ) Á\$æ) &^|Áaac@Ándæd{ Áā] \* ÉÁa` c/\$aÁaæc@Ándæd{ Á\$[} åããā]} Áār Án cā|Ánse&cãç^ÉÁ àæc@Ándæd{ Áā] \* Æar Á,[cÁ^{ [ç^å ÉÁCE] å Ándæd{ Áā] \* Á8æ) Áa^Á^{ [ç^å Á]} | ÆaÁndæd{ Á&[} åããā]} Á ãr Á&|^æd^åÈ
- ËÁ Y @ }Ásaæ@Ándæd{ Á@ædj]^}•Ásæd åÁsa Ásul^æd^åÁsa Áseæc^}åæd ÓÆæd( ^••æt^Á, ão@Ásā ^ÁsaæædÁ, āllÁ à^Ájlājc^åÁs@[ \* @ÜÜÜËCHGÔÈ
- ËÁ Óæc@Ándpæd{Ár⁄æc`¦rÁnārÁy[cÁnaçænápænà|rÁd;[{ÁÚUÓÚÁnag}åÁr⁄020Óar\|r]@{}^•È

### **OPERATION**

#### Front Desk

To enable bath alarm for room:

- 1. Dial the [PGM] button + #45.
- 2. Dial a phone number or a phone number range of room. Press \* between phone numbers when entering a phone number range.
- Press the [SAVE] button.
- 4. If it is successful, you may hear a service set tone; check the result through the phone LCD.
- 5. Otherwise, you may hear an error tone.

#### To disable bath alarm for room:

- 1. Dial the [PGM] button + #46.
- 2. Dial a phone number or a phone number range of room. Press \* between phone numbers when entering a phone number range.
- Press the [SAVE] button.
- 4. If it is successful, you may hear a service set tone; check the result through the phone
- 5. Otherwise, you may hear an error tone.

### To reset Bath Alarm Ring:

- 1. Lift handset or press [SPEAKER] button.
- 2. Dial station no. or press associated {DSS} button at system attendant station. If bath alarm condition is already cleared, bath alarm ring will be removed. Otherwise, bath alarm ring will not be removed.

# Register/Change Authorization Code

At front desk, it is possible to register or change the authorization code of hotel guest stations.

#### CONDITIONS

- A user may enter an authorization code from any station to place a CO/IP call using walking COS feature.
- An authorization code may include any dial pad digit except \* and #.
- The total number of Authorization Codes in system is 648 in MBX-IP 300 and 180 in MBX-IP 100.

#### **OPERATION**

#### Front Desk

To Register/Change Authorization Code;

- FÈ Öãæ Ás@ ÁŽÚÕT ÁS cd; } ÁÉÁÀIÎÈ
- ŒĖ ÖãæḥÁæḥ́@}^Á¸`{ à^¦Á¡¦Áæḥ́@}^Á¸`{ à^¦Áæ)\*^Á¡-Á[[{ È Ú¦^••ÁzÁà^ç,^^}Á;@}^Á¸`{ à^¦•Á;@}Á°}œ'¦ā;\*Áæḥ́@}^Á¸`{ à^¦Áæ)\*^È
- HÈ Ú¦^••Ás@·ÆÜOEXÒæÁs cd;}È
- IÈ ÖãndÁn@ ÁOE c@ ¦ã ancaīi }ÁÔ[å^È
- ÍÈ Ú¦^∙∙Ás@∿ÁŘÙOEXÒáÁà`cd[}È

# Register/Change Prepaid Money

V@&Á^æc`¦^Ásd|[¸•Ác@^Á`^•c^Ácæcā[}Ác[Á;æ\^ÁsæÁ]@}}^Ásæd|Ásæ&C[¦åā]\*Ác[Á@&E@\¦Á;¦^]æanáÁ {[}^^ÈÁQÁc@^Á;|^]æanáÁ;[}^^Æas&C]}•`{^åÁnå`¦ā]\*Ásæ&C]}ç^¦•æcā[}ÊbæÁ;æd}ā]ā;\*Ác[}^Á;ā]Án^Á \*ãç^}Ása)åÁsæc'¦ÁÚ¦^]æanáÖæd|Áræd}ā;\*Ávā[^¦ÉÁs@^Ásæd|Á;ā]Án^Ánā;&C]}}^&c^åÉV@^Á`^•oÁ[[{Á &æa)Á;[ơÁ;æh^Á;č\*[ā]\*ÁÔUÁsæd|•Á;}&^Ác@^Á;¦^]æanáA;[}^^Áná\*A\*•^åÄ]È

ÙTÖÜÁ\$aã]|æî•Ás@áÁ;¦^ËjæaãÁ;[}^^È V@^Á;cæþÁ[[{Ás@æk\*^Á§aÁæ•Á;|||; K ŽM;cæbÁÜ[[{ÁÔ@æk\*^ÁÁMÁZM;cæbÁÔ@æk\*^ÁÁÖZÚ¦^]æaãáT[}^^áÈ

### **CONDITIONS**

- ËÁ V@máÁ^æc`¦^ÁnarÁneçænajænà|^Áq¦Ánó@ÁÔUÁjā,^•Án@ænÁ^&^āç^Á&æd|Ë, ^c^¦ā,\*Árāt}ædÈ
- ËÁ Ú¦^] aanna Á [}^^Án Án Án Án Án Án Án TÖÜÁn 4¦{ anna h
- ËÁ V@ Ás`¦¦^}& Á }ãnÁs) åÁ¦æ&oā[}Á[-Á]¦^]æããÁ[[}^^Á&æ)Áà^Á]¦[\*¦æ({ ^åÁs,ÁÚÕTÁGHGÊÁ @&&@Ás,Ás∮[Á •^åÁs,ÁÚTÖÜÁs,-[¦{æaā]}È
- ËÄ QÁng Á, '^] æ ấn Á, [}^ Án Ás Ás [}• ´{ ^ å Ε΄λω Α΄ Á[[{ Á '¢ σ'}• 4]} Ásæ) Φ΄Α, æ λ Áæ) Á, ˇ σ'[ā] \* ÁÔUÁ 8æ||È

#### **OPERATION**

#### **Front Desk**

To Register/Change Prepaid Money;

- Œ ÖãæḥÁxæḥ́@}^Á,ˇ{à^¦Á;¦Áxæḥ́@}^Á,ˇ{à^¦Áæ;\*^Á;-Á[[{È Ú¦^••ÁzÁà^ç,^}Á;@}^Á;{à^¦•Á;@}Á°}æ'¦ā;\*Áxæḥ́@}^Á;`{à^¦Áæ;\*^È
- HÈ Ú¦^••Ás@AÃÙOEXÒáÁà ca[}È
- IÈ Öãn þÁc@ ÁÚ¦^]æãnÁT[}^È
- ÍÈ Ú¦^••Ás@-ÁŽÙOEXÒáÁs`α[}È

# Room Swapping

This feature allows a user to change the room without additional check-out and check-in procedure. The existing information will be delivered to the new room.

#### CONDITIONS

The new room must be checked out before room swapping.

## **OPERATION**

## **Front Desk**

To swap rooms:

- 1. Dial the [PGM] button + #5.
- 2. Dial a phone number of room which is currently being used and \*.
- Dial a phone number of an empty room to be used and \*'.
- 4. Decide whether to swap rooms. (0 : Confirm, 1 : Cancel)
- Press the [SAVE] button.
- 6. If it is successful, you may hear service set tone.
- 7. Otherwise, you may hear an error tone.

# **Maid Status**

Maid status can be registered from front desk, guest station and PMS.

The following maid status settings are supported.

- 1: TO BE CLEANED
- 2: UNDER CLEANING
- 3: READY FOR SELL
- 4: OUT\_OF\_SERVICE
- 5: UNDER REPAIR
- 6: REPAIR COMPLETED
- 7: ROOM OCCUPIED

#### CONDITIONS

- It is possible to register maid status individually or entirely from PMS.
- It is possible to register maid status from front desk.
- From guest room, maid status can be registered for itself.
- It is impossible to register maid status from an office station or a service station.

#### **OPERATION**

#### **Front Desk**

To change Maid Status:

- FÈ Öãæ ÁP[c^|ÁTæãå ÁÚæe蕤ÁAæcč¦^Á&[å^Á;¦ÁÃÚÕTáÁàčc]}ÁÉÁÁÎÈ
- ŒĖ ÖãæḥÁxxÁ, @{}^Á, `{ à^¦Á; ÁxxÁ, @{}^Á, `{ à^¦Áæ}, \*^È Ú¦^••ÁzÁs^c, ^^}Á, @{}^Á, `{ à^¦•Á, @}A´; &xÁ, @{}^Á, &xÁ, @{}^Á, `{ à^¦Áæ}, \*^È
- HÈ Ú¦^••Ás@ ÁŽÙŒ ÒáÁà cơ }È
- IÈ Ö^• ât}æe^ÁTæããÁÙcæeč• ÈÁGFÁEÁ D
- ÍÈ Ú¦^••Ás@∿ÁÃÙOEXÒáÁs`α[}È
- ÎÈ Ö^∙ã}æc^ÁTOEÖÖÁÖÖÉÁÇ€€€€ÁEÁJJJJD
- ÏÈ Ú¦^••Ás@AÃÙOEXÒáÁs`cq[}È
- ÌÈ QÁSTÁRÁ \* &&^••~ |ÉA[ \* Á; æ Á@ æ ÁæÁ^¦çæ A^A^óA; }^LÁ&@ &\ Á@ Á^• \* |oÁ@[ \* \* @Á@ Á; @; ^ Á ŠÔÖÈ
- JÈ Uc@\;ã^ÊÁ[`Á;æêÁ@\ækÁæ)Á^\;[¦Áq;}^È

### **Digital Phone**

To change Maid Status:

- FÈ ÖãNAP[c^|ÁT æããÁÚcæč•¤Á^æč¦^Á&I å^È
- CÈ ÖãæḥÁxxÁ; @}^Á,ˇ{ à^¦Á;¦ÁxxÁ; @}^Á,ˇ{ à^¦Áæ)\*^È Ú¦^••ÁzÁà^ç ^^}Á; @}^Á,ˇ{ à^¦•Á; @}Á°}¢^¦ā;\*ÁxxÁ; @}^Á,ˇ{ à^¦Áæ)\*^È
- HÈ Ú¦^••Ác@ÁŽÙŒXÒáÁàˇæ{}È
- IÈÖ^•ãt}æe^ÁTænnáÚæneč•ÉÁÇFËID
- ÍÈ Ú¦^••Ás@-ÁŽÙOEXÒáÁs`α[}È
- ÎÈÖ^•ã}æ¢ÁTOKÖÖÁÖÖÐÁÇ€€€€ËJJJD
- ÏÈ Ú¦^••Ás@∘ÁÃÙΟΕΧÒáÁsčα[}È
- ÌÈ QÁĐÁĐÁ Á `&&^••~ |ÊÁ[ `Á; æ Á@ æ ÁæÁ^¦çæ A^k^óÁ[}^LÁ&@ &\Áœ Á^•`|óÁ@[ `\*@Áœ Á; @}^Á ŠÔÖÈ
- JÈ Uc@\; ã^ÉA[ ઁ Á( æĉ Á@ ækÁæ) Á\;| [ ¦Á[ } ^È

### <u>SLT</u>

To change Maid Status:

- FÈ Öãæ ÁP[ e^|ÁT æãã ÁÙ cæ ě ¤Á ^ æ ě ¦ ^ Á& | å ^ È
- ŒĖ ÖãæḥÁæḥ́@}^Á¸`{à^¦Á;¦Áæḥ́@}^Á¸`{à^¦Áæ;\*^È Ú¦^••Ææh¸ç^^}Á;@}^Á¸`{à^¦•Á;@}Æ\;¢^!ā,\*Áæḥ́@}^Á¸`{à^¦Áæ;\*^È

- Make hook flash.
- 4. Designate Maid Status (1-7).
- Make hook flash.
- 6. Designate MAID ID (0000-9999).
- Make hook flash.
- 8. If it is successful, you may hear a service set tone.
- 9. Otherwise, you may hear an error an tone.

# **Room Charge/Status Print**

# Room Charge Display/Print

Front desk can see total charge of a single room or multiple rooms on LCD display, and can print SMDR records of the room(s) through RS-232C port.

### **CONDITIONS**

- SMDR MAX record message number is 5000; alarm message is automatically received at the Attendant Station if recorded number is 4000 or 4500.
- Total number of Bar Records is 7000 in MBX IP 300 and 3000 in MBX IP 100; alarm message is automatically received at the Attendant Station if recorded number is 6000 or 6500 in MBX IP 300 and 2000 or 2500 in MBX IP 100.
- SMDR and BAR detailed record and total room charge for the room is deleted upon check-out for the next guest.
- After printing, system sends a Form Feed.
- The information print of Guest Room can be blocked by Admin XXX.

#### **OPERATION**

### Front Desk

To display and print Room Charge Information (total charge only or detailed information):

- 1. Dial the [PGM] button + #71.
- 2. Dial station number + "\*".
  - Then, LCD will show the total charge of that station.
  - Digit "\*" is the end mark of station number.
- 3. Dial station number + "\*" again if you want to enter another station number.
  - LCD will display the summation of total charge of those stations.
  - In this case, system does not support room range input.

IÈ Ü^]^æxÁc^]Á+DÁSÁs@¦^Ásd^Á;[¦^Ácæzá]}•Á;¦ÁsæzæÁ;lā;cÈ

ÍÈ VịÁ, ¦ã, cÁc@ Ág ca þÁs@ ek\*^ÊÁ, ¦^••Ác@ ÁĞÙOEXÒ áÁs čog }È

ÎÈ V[Á, lā, oÁc@ Ás^cæāļ•Á; -Á[[{ Ás@æd\*^ÊásædyÁs[å^ÁOÀÓæd;å Ás@}Á, l^••ÁÖÜOEXÒÁsa`c[}È
Ù^•c^{ Á, āļÁ, lā, oÁc@ Ás^cæāļ^åÁ[[{ Ás@æd\*^Á; -Ác@ Á[[{ •Ác@[\*\*@ÄÜÜECHGÔÁ;[ldÈ
P^\^ÊÁs@ Ás[å^ÀÁsá ÁæÁ; \*\* |^Á^^Á; lá, lā; cāj \*Á; cædÁs[•oÁæd;åÁ, lā; cāj \*Ás^cæāļ^åÁ[[{ Á
&@æd\*^ÈV@ Ás^-æĕ |oÆs ÁæÁ; cædÁs@æd\*^Á, lā; cÈ

## **Printing Format**

FÈ V[cæ4Ô@æ4\*^ÁÚ¦ājcÁØ[¦{æeK

RM(0100) PRE-PAID (	20000)	CHARGED (	53000) =	330000
RM(0102) PRE-PAID (	20000)	CHARGED (	14600)=-	5400
RM_SUMS: PRE-PAID (	( 40000)	CHARGED (	67600) =	27600

Non-Echo Mode

&\$M000100 20000 53000 330000&\$M000102 20000 14600- 5400 &\$M01 40000 67600 27600

IN NON-ECHO MODE &SM00 MEANS THE STRING IS ABOUT STATION AND &SM01 MEANS TOTAL INFORMATION.

ŒĖ Ö^œanna ÅQQ-{¦{ æαnna βÁÚ¦ang ÁQ¦{ æαn Á[ ¦Á[ [{ •ÁQ`¢ÈÁ[ [{ ÁF∈€ÁÉÆF€€ΩΚ

HOTEL NAME
TOTAL CHARGE IN ROOM 100 (Guest-Name:
Check - In : 94/12/26-18 Current-time : 94/12/31-11 (5 days)
Start-Time         CO Duration         Dialed-No.         Count Call-Cost Remark           12/27-13:10 01 00:00:32 000182343507951         0         0         Unanswered           12 / 27 - 13: 30 01 00:01:23 000182343507951         3         1500           12/28-21:22 02 00:10:18 000182343507953         31         15500
Charge-Time Charged-STA         Item         Bar-Cost         tax           12/28-21:32         COFFEE-SHOP         COFFEE         5000         100           12/29-10:10         FRONT-DESK         COKE         3000         30
Item         Charge         Tax(rate)         Sum           (1) ROOM CHARGE:         300000         30000(10.00%)         330000           (rate 02:         GOLD)           (2) CALL CHARGE:         17000         170(10.00%)         17170           (3) BAR CHARGE:         8000         130         8130           (4) PRE-PAID:         -200000
Method of payment : VISA TOTAL : 335300 WON

NOTE: Currency Unit/SMDR Fraction depends on Admin Programming 232.

	HOTEL NAME	E
TOTA	AL CHARGE IN ROOM 1,02(	Guest-Name :)
Check - In : 94/12/26-18 Current-time : 94/12/31-1		
12/27-13:10 01 00:0 12/27-13:30	ntion Dialed-No. Count Co 0:32	Q Unanswered 3 1500
Charge-Time Charge	ed-STA Item Bar-C EE-SHOP COFFEE	
Item Chai (1) ROOM CHARGE (rate 02 : GOLD) (2) CALL CHARGE : (3) BAR CHARGE :	: 300000 30000(10.00%) : 17000 170(10.00%) : 8000 130	17170 8130
(4) PRE-PAID :  Method of payment :  TOTAL :		WON

NOTE:  $\hat{O}^*$  || ^} &  $\hat{A}$  //  $\hat{a}$   $\hat{E}$  //  $\hat{D}$  //  $\hat{A}$ 

HOTEL NAME
TOTAL CHARGE IN SERVICE STATION 101
Check - In : 94/12/26-18 Current-time : 94/12/31-11 (5 days)
Start-Time         CQ         Duration         Dialed-No.         Count Call-Cost Remark           12/27-13:10 01 00:00:32 000182343507951         0         0         Unanswered           12 / 27 - 13: 30 01 00:01:23 000182343507951         3         1500           12/28-21:22 02 00:10:18 000182343507953         31         15500
Item
TOTAL : 17170 WON

NOTE: Currency Unit/SMDR Fraction depends on Admin Programming 232.

# Print Room Status through RS-232C

This feature allows printing room status through RS-232C.

#### CONDITIONS

- Data for the service stations within room range input will not be printed.
- If room is vacant, then only maid status will be printed.
- Room status is printed through RS-232C port and printed format is as follows:

Status								
S ROOM CHECK_IN	I GUEST_ <u>N</u> A	ME COS	ICM GRP V	VAKE AU	TH PF	RE-PAID	C-RT	CHARGE
C 0102 12/25-18	C.H. Kim C.B. Choi I.S. Lee	1 Yes. 1 No 1 No	: No 07:00 No . 08:00 Yes		1 2	12345 500000 500		

S means maid status, and C clean and D dirty.

C-RT means call charge rate.

PRE-PAID and CHAGE fields use the SMDR fraction in PGM 232.

 $EA V@A_{a} + | {aca_{1} A_{1} | aca_{1} A_{1} | aca_{1} A_{0} ^{\wedge} A_{0} ^{\wedge} A_{0} | [{A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a} | A_{a$ 

#### **OPERATION**

## Front Desk

To print Room Status:

- FÈ Öã ĐÁ ĐƯỚT Á TÁ CƠ } Á ĐÁ TÝ
- CÈ ÖãchÁxch, @}^A, `{ à^¦Á;¦Áxch, @}^Á, `{ à^¦Áæ}\*^È Ú¦^••ÁzÁs^ç,^^}Á, @}^Á, `{ à^¦•Á, @}Á°}c^!ā, \*Áxch, @}^Á, `{ à^¦Áæ}\*^È
- HÈ Öã đÁ Sĩ Á Là CÁS Á CREČ È

# **Deleting Service Station's SMDR Record**

Ø1[} of ^•\ /\$&\ A\$\^|\^c\A\^\c \a\A\\ c \a\\ c \a\\

### CONDITIONS

### Front Desk

To delete Service Station's SMDR record.

- FÈ Öã ĐÁ ĐÃ ĐÃ ĐÃ ĐÃ ĐÃ THÈ
- CÈ Öã ĐÁ ĐÁ ^ lçã VÁ œ Đà } Á ¸ ¿ à ^ lÁEÁ EÈ
  V@ } ÊŠÔ ÔÁ ¾ Á @ ¸ Á Ø Á æ Á æ Æ × ^ Á Á Ø Æ Æ æ Á æ Æ } È
  Öã ã Á Á Ø Á æ Á æ Á æ Æ Å ¸ Á æ Æ Å ; ¿ à ^ lÈ
- HÈ GÁ[ ´Á, æ) cÁt Án) c $^{\cdot}$  Án) [ c $^{\circ}$  ( $^{\cdot}$  Án) cætā]  $^{\cdot}$  ( $^{\cdot}$  Àn) EÅs ãætÁ cætā]  $^{\cdot}$  ( $^{\cdot}$  An) HÉÁtÈ ŠÔÖÁ, ā| Ás ãe] |æ Ás  $^{\circ}$  Án ( $^{\cdot}$  ( $^{\cdot}$  &ætā)  $^{\cdot}$  Án ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^{\cdot}$  And ( $^{\cdot}$  &ætā)  $^{\cdot}$  And ( $^$
- IÈ Ü^]^@@Á@^]ÁHÁ\$Á@\^Ásd^Á([ |^Ácœd]} •Á( |ÂÛT ÖÜÁ\$^|^@] È
- ÍÈ Ú¦^••Ás@ ÁŽÙŒXÒÁÁ° Œ[}Áq[Áå^|^¢^ÁÙTÖÜÁ^&[¦å•Áq-Á^|^&c^åÁ^|çæAÁ^;çæAÁ^;cæaa]}È

# **Room Rate**

# Room Rate Register/Assign

V@ā Á^æc`|^Áæd||¸•Ás@Ád||}o^ás^•\Áq Áæ••ā\*}ÁæÁ|[{ Áææ^Áq Á\*^•oÁ|[{ •Áæ{ [}\*Á⊃€Ásã-^\^}oÁ [}^•Ê\$, @ã&@ás Áæd•[Á][••ās]^Áq Áj.|\*\*!æ; Ás ÁDā{ā} ĒÄÜ[[{ Áææ^Ás}-{;{ ææā}}Ás Æs Æs Æj Ás Ás Ás Ác@Á q æáÁ[[{ Ás@æd\*^Ásā]Ás@æd4, |ā] c^áÁ; oÁ;}Ás@ÁÜTÖÜÁ][}Á^~~^•oÆs åÁ][}ÁÖ@&\ÜÜ`cÈ

#### **OPERATION**

### Front Desk

Room type and rate program:

1. Dial the [PGM] button + #81.

The LCD will display the room cost and room type name of the first entry in the room rate table.

```
RATE (00)
0000000 .....
```

- 2. Dial a desired room rate bin number (00-19) if you want to program another entry. LCD will display the room cost and room type name of the selected entry.
- 3. Press Flex button 1 and dial room cost (7 digits).
- Press Flex button 2 and enter room type name (Max 6 characters).
- Press [SAVE] button to update the database permanently.Go to step 2) to program another entry.

To assign room rate to rooms:

- 1. Dial the [PGM] button + #82.
- Dial a phone number or a phone number range.
   Press \* between phone numbers when entering a phone number range.
- 3. Press the [SAVE] button.
- 4. LCD displays currently assigned Room Rate Bin No. of the first room of selected range. For example, if selected rooms are 100 105, the LCD will display as follows:

```
100 - 105
00 : 0020000 SINGLE
```

- 5. Dial a desired room rate bin number (00-19).
- 6. Press [SAVE] button to update the database permanently. Go to step 2 to assign a room rate to another room(s).

# **Fee For Part Time**

In case check-in and check-out happens in a day, part time fee may be charged according to the room type or hotel policy. Each room type may have up to 6 fields for different part time range and fee. There are 32 entries in part time table in which the part time range and associated fee can be programmed.

Example: R	Room type	table (user-de	efined, - up to 6)
------------	-----------	----------------	--------------------

room type	Charge	part time bins
•		
•		•
GOLD	100\$	01, 03
•	•	
		•
		•

**Example:** Part time table (PGM 507 - according to room type)

Bin	part time range	rate
00 01	00 – 03 hours	50 %
02 03	04 – 12 hours	80 %
04	13 – 15 hours	90 %
	•	•
•		•

#### CONDITIONS

- ËÁ ÚæloÁcã(^Áæ)\*^Áœ)åÁsōnÁæc^Á&æ)ÁsònÁsì[\*¦æ{{^åÁson [Ás]ÁOEÖTÁ<mark>ÝÝÝ</mark>È
- ËÁ Tæçã[ˇ{ÁnHGÁN}dãN∙Ás&æ)Ásh^Áj¦[\*¦æ{{^åÁSjÁjæ¢óÁsã[^Ásæà|^È
- ËÁ Üæe^Áða\|å.kfi.-Ás@.kfj.æb.oksā[^Ásæà|^Ása^}][e^•Ás@.kfj.^\&^} æet^Á;[{ Ás@.kfi.\å ā]ækfj.\\å&^}[e^•Ás@.kfj.^\&^}
- ËÁ ÚædoÁ/āį ^Áæædi/ÁæædÁj[Áåv^æĕjoÁçædi\*^È
- ËÁ Òæ&@Á[[{Ác]^Ásæ)Á@æç^Á]ÁqÃÁşåå&&^•Á;Ás@Ajæcókāq^Ásæè|^È
- ËÁ Òæ&@Á[[{ Ác]^Áœe Á[Ás^~æ | oÁcæt\*^Á; | Ás@ Á§ å^¢Á; -Á, æ oÁæ]^È

- Lower number entries will be referenced first in part time table. That is, if the different entries include the same duration, lowest entry will be applied.
- The duration of stay denotes the elapsed time from check-in to check-out. And only hour information is meaningful so that minute data is just ignored
- If nothing is programmed in part time table, one-day charge will be applied.

#### **OPERATION**

### Front Desk

Register and change fee for part time table:

1. Dial the [PGM] button + #83. LCD will display the duration of stay and its fee of the first entry in part time table.

```
RATE (00)
01 - 03 : 050 %
```

- 2. Dial a desired room rate bin number (00-31) if you want to program another entry. LCD will display the duration of the stay and its fee of the selected entry.
- Press Flex button 1 and dial the duration of stay (4 digits). Press [SPEED] button to erase the data.
- 4. Press Flex button 2 and dial the associated rate (000-100).
- 5. Press [SAVE] button to update the database permanently. Go to step 2) to program another entry.

Upon check-out for the part-time stay, the guest bill will look similar to the following:

HOTEL NAME	
TOTAL CHARGE IN ROOM 100 (Guest-Name:)	
Check- In : 94/12/26-13	
Check - Out : 94/12/26-20 (7 hours)	
Start-Time_QQ Duration Dialed-No. Count Call-Cost Remark	
12/26-13:10 01 00:00:32 000182343507951	
12/27-13:30 01 00:01:23 000182343507951 3 150	
12/27-13.30 01 00.01.23 000102343307331 3 130	
Charge-Time Charged-STA Item Bar-Cost tax	
12/26-19:32 COFFEE-SHOP COFFEE 500 10	
Item Charge Tax(rate) Sum	
(1) ROOM CHARGE: 80 8(10.00%) 88 (rate 02: GOLD)	
(2) CALL CHARGE: 150 15(10.00%) 165	
(3) BAR CHARGE: 500 10 510	
(4) PRE-PAID : -200	
Method of payment : VISA	
TOTAL : \$ 475	

NOTE:  $\hat{O}' \parallel \wedge \} \& \hat{A} \wedge \hat{A} \otimes \hat$ 

# Register Bar and Mini-bar Charge

Õ`^•ớ( æ´Á)æ´Á( ¦ÁsæÁs@æk\*^ÁœÁ^!çæX^Ácæā) Áæ)åÁc@Á; ājāāæÁs@æk\*^Á][ }Ás@ &\ 貰 ˙dĂ ÓæÁs'{ ājæḥÁj^!æq[ ¦Á^\*ã·ơ'!•Á`^•œ´Ás@æk\*^Á•ā; \*ÁœÁ;! &\å`!^Ás^|[¸ÈTājāāæÁs@æk\*^Á [ Áæ&@Á[ [ { ÁsæjÁs^Á^\*ã·ơ'!^åÁ;[ { Á;[ } ớš^•\ĒĀ^!çæX^Á·cæaā) Áæ)åÁ; ~•ớA[ [ { ÈÁ Ü^\*ã·ơ'!^åÁsæÁnÁ; ājāāæÁs@æk\*^ÁsĀ Ág!\åÁsæÁ^&[ ¦åÁ;—Á^\*•ớ{ EÁCJ;åÁsæá)Ás^Ásā] |æ^åÁ [ ¦Á;!ājơåÁ] [ }ÁQớ|Ás@æk\*^Ásā] |æ´ÁsajåÁsæð&æ&\* ČÉ

### **CONDITIONS**

EÁ Ù^•c^{ Á^}å•Ás@Á[||[¸ā]\*ÁṣĀ;I{ ææā]}Á[ÁœÁ,lā]c^lÁs¸Ás@Á,lå^lÁs@Á;lå^lÁs@æ\*^åÁcæā]}Á } ~ (à^|Eásæ\*Dòā,^EázÜÜÞVEÖÒÙSÁş Ásæ•^Á;-Á,ājāEaælÁ;lÁ^lçã&^Ácæā]}©Á;æ; ^Á[lÁs@Á [c@|Ás@ed\*^•E3;|[å\*&oÁ;æ; ^Áse)åÁs[•cDèÁUlā]cĒ; oÁsæææÁ[|{ ææÆs Áse Á[||[¸•È

EDEF€€ÁÁFGENEÏEGAFGÁÁÁT OEDÞ EÓOEÚÁÓÒÒÜÍ €€€€

- ËÁ V@ā ÁsiædÁse) åÁ(ā) āËāædÁs(•oÁ,ā)|Ási^Ásjse(°å^å/ásjás@A(cæ)A([{ Æs@ed\*^È
- ËÁ V@Á}ãM,Á&(•OÁG)åÁ¦æ&Qã;}Áe\æ&Qã;}Áed^Ás@Áa; ^ÁseAÚTÖÜÁ&`;¦^}&^Á}ãÁS)åÁS)åÁUTÖÜÁ;æ&Qã;}È
- ËÁ Ú¦[åˇ&óÁ&[å^•Á[¦ÁàækÁæ)åÁ;ā]āËaækÁæó{•Á;ˇ•Óáà^Á^\*ãrơ\^åÁà^-{¦^Á.•æ\*^È

#### **OPERATION**

### Front Desk

To register bar or mini-bar charge

- 1. Dial the [PGM] button + #84.
- Dial the guest room number + "\*".
- 3. Dial product code (00-99).
- Press the [SAVE] button.
- Dial (mini) bar cost (Max 6 digits). LCD will show room no, (mini) bar cost, the name of item.
- 6. If you dial #, the cost becomes a minus value. The value is toggled between minus and plus by dialing #. Plus is the default sign.
- Press the [SAVE] button to save the cost. If it is successful, you may hear a service set tone. And (mini) bar cost is registered and SMDR Information for the (mini) bar cost will be printed through RS-232C. Otherwise, you may hear an error tone.

## Service Station

To register bar or mini-bar charge

- 1. Dial {Hotel Mini-bar Register} feature code.
- Dial the guest room number + \*.
- Dial product code (00-99).
- Press the [SAVE] button.
- Dial (mini) bar cost (Max 6 digits). LCD will show room no, (mini) bar cost, the name of item.
- 6. If you dial #, the cost becomes a minus value. The value is toggled between minus and plus by dialing #. Plus is the default sign.
- Press the [SAVE] button to save the cost. If it is successful, you may hear a service set tone. And (mini) bar cost is registered and SMDR Information for the (mini) bar cost will be printed through RS-232C. Otherwise, you may hear an error tone.

# Guest Station (Digital Phone)

To register bar or mini-bar charge

- FÈ ÖãĐÁP[ ơ lÁT ã đã ĐÁ ĐÁ \*ã ơ l ÞÁ \*æč l ^ÁSI å ^È
- GÈ Öãæ∮Á¦[å šoÁS[å ^ÁQ€€ËJJDÈ
- HÈ Ú¦^••Ás@AÃÙOEXÒáÁs cd;}È
- IÈ Öãæ ÁQ ðja DÁaæ Á&Q cÁQT æg Á Ás ðiðiðið DÈ ŠÔÖÁ, ð|Á @ , Á[[{ Á,[EÁQ ðja ĐÓaæ Á&Q•Á,æ , ^Á, Áse^{ È
- ÍÈ QÁ[ˇÁàãæḥÁÀÉàc@Á&[•ơàà^&[{ ^•Áæá; ājˇ•Áçæṭˇ^ÉÁ/@Áçæṭˇ^Áæá[\*\*|^åÁà^ç,^^}Á; ājˇ•Á æà,åÁ;|ˇ•Áà^Áàãæḥā;\*ÁÀÉÁU|ˇ•Æa,Á@Áà^æĕ|oÁ;ā}È
- ÎÈ Ú¦^••Ás@ÁĨÙOXÒæÁi`œ[}Ás[Álæç^Ás@Á&[•È
  QÁÁSÁÁ Á`&&^••~¡ĒÁ[ˇÁ;æÁ@æÁæÁA^!çæX^Á^œÁ[}^ÈŒ;åÁÇā;æÁæÁ&[•oÆáÁ^\*ãe'!^åÁ
  æ)åÁÙTÖÜÁQ-{¦{ææā[}Á;¦Ás@ÁÇā;æÁæÁ&[•oÁ;ā]Æa^Á;[ā]æåÁæ@[ˇ\*@ÄÜÙËCHGÔÈ
  Uœ;ã^ÆÁ[ˇÁ;æÁ@æÁæ)Á\*;|[¦Ás[}^È

# Guest Station (Single Line Telephone)

To register bar or mini-bar charge

- FÈ Öãæ Á,P[ơ |ÁTā, ã Eà æ Á Ü^\*ã ơ \ ÞÁ væč \ ^Á&[å^È
- GÈ ÖãædÁ¦[å ‱Á&[å ^ÁQ€€ËJJDÈ
- HÈ Taà^Á@[\Á|æe@È
- IÈ Öãæ ÁÇ ã a DÁsæ Á& OÁÇTæ c Ás ã ão DÈ
- ÍÈ QÁ [ˇÁàãæḥÁÀĒÁœÁ&I•ÓàA&I (^•ÁæÁ; ā) ˇ•Áçæpˇ^ÉÀV@Áçæpˇ^ÁãrÁū\*\* |^åÁà^ç,^^}Á; ā) ˇ•Á æ)åÁ, |ˇ•Áà^Áàãæṭā, \*ÁÀEÁU|ˇ•ÁárÁæ, &@Áå^-æĕ|ÓÀā;}È
- ÎÈ Tạṭ^ÁQP[\Á|æ=@ÁţÁtæ;^Ás@-ÁSQ-•CÈ
  QÁSÁNÁTÁ\* &&^••~`|ÉÁ[`Á; æ:Á@-æ;ÁsÆA^\;ç38%Át^oÁţ}^ÈŒ;åÁQ; ājaDÁsæ;Á&[•oÁsA^\*ãrơ\^åÁ
  æ)åÁÙTÖÜÁQ-;{{æaā}}Á;!Ás@-ÁQ; ājaDÁsæ;Á&[•oÁ;ā]Ás^Á;¦ājơ\åÁc@[`\*@ÁÜÙËCH-GÔÈ
  Uo@-!;ãr^ÉÁ[`Á; æ:Á@-æ;Ás;Ár;|[¦Ág}^È

# **Call Rate**

# Call Charge Rate Register/Assign

V @ Á^æ` |^Áæ|[¸•Á|[¸o Áa^•\ Áī Áæ••ā] Á8æ|Á8@æ\*^Áææ^Ág Áæ; Áā áō; ãi æ‡Á[[{ Á; Ái ÁæÁ^|çã8^Á •œæā] } Á [Ác@æAæåiã-^|^} c/\$æ|Á8@æ\*^Áææ^Á8æ) Ái^Áæ] | ② åÉM[Á•^Áœ; Á^ææ; |^ÊææÁã•oÁ|[} c/\$^•\ {`•cÁ^\*ã·c^|Á8æ|Á8@æ\*^Áææ^Áæi|^Êæp åÁo@}} áæ•ā] } Áo@ Á^\*ã·c^|^åÁææ^Á[[{ ÈÔæ|Á &@æ\*^Áææ^Áa^}[c^•Áææ^Á;^}] co•Áo@ Á;^|&^} æ\*^Á] ÁUT ÖÜÁ8æ|Á8[•cÁ

#### CONDITIONS

ËÁ V@\^Á&æ)Áa^Á]ÁqÃiÁn}dæ°•ÁajÁs@Á&æ)Á&æ°Áæè\Áæè\Áæè\Áæè\Áæè\Á£à[{Á££

- If a room or a service station is not assigned a call charge rate, 100 percent of SMDR call cost is charged.
- It is optional to program the call charge rate type.

#### **OPERATION**

### **Front Desk**

Register or change an entry in call charge rate table:

Dial the [PGM] button + #91.
 LCD will display the call charge rate of the first entry in table.

- 2. Dial a desired room rate bin number (0-5) if you want to program another entry. LCD will display the call charge rate of the selected entry.
- Press Flex button 1 and dial the call charge rate (3 digits).Press [SPEED] button to erase the data.
- 4. Press Flex button 2 and enter the name of rate (Max 6 characters).
- 5. Press [SAVE] button to update the database permanently. Go to step 2) to program another entry.

To assign call charge rate to rooms:

- 1. Dial the [PGM] button + #92.
- Dial a phone number or a phone number range.
   Press \* between phone numbers when entering a phone number range.
- 3. Press the [SAVE] button.
- 4. LCD displays currently assigned index of call charge rate table of the first room in selected range. For example, if selected rooms are 100 - 105, the LCD will display as follows:

```
100 - 105
0:090 % HOLIDA
```

- 5. Dial a desired call charge rate bin number (0-5).
- 6. Dial # to erase the bin number.
- 7. Press [SAVE] button to update the database permanently. Go to step 2) to assign a room rate to another room(s).

# **Register Hotel Name**

V@āÁ^æč¦^Áæd|[¸•Áx@^Á;[}œá^•\ÁqíÁ^\*ã c^¦Á;¦Á&@æ)\*^Áx@^Á;æ(^Á;ǼQ c^|È

### CONDITIONS

- ËÁ Ó Âs^æĕ |dÊáo@ \^ÁsrÁ; [ÁQ] c^|Á,æ; ^Á; | \*¦æ; { ^åÈ
- ËÁ W][}Á&@&\Ë;ˇơÁ;¦Á[[{Á&@ed\*^Áåã]|æêÊÁ^\*ãrơ¦^åÁQ;ơ¦Á;æ;^Á¸ã|Áà^Á;¦ð;ơåÁş,Ác@Á @æå^¦È
- ËÁ V@ Á&@edæ&c^¦Án^oÁ;¦Áo@ Á@ c^|Á,æ;^Á&æ;Á&a;Áa^Á;`}åÁ;}Á,æ\*^ÁÔËE€ÉÈ

#### **OPERATION**

### **Front Desk**

To register hotel's name:

- FÈ Öãæ Ás@ ÁŽÚÕT ÁŠà °c{}ÁÉÁÀ€FÈ
- HÈ Ú¦^••Ás@ ÁŽÙŒ ÒáÁà cơ }È

## Set Call Forward

V@áÁ^æč¦^Áæ|[¸•Ás@Á¦[}ơÁå^•\ÁqÁ^oÁs@Á&æ|Á;¦¸æ¦åÁ;¦Á[[{•Á;}Áå^{æ}åÁ;-Á\*`^•orÈ

## **CONDITIONS**

#### **OPERATION**

#### **Front Desk**

To activate call forward for the room(s):

- FÈ Öãæ∮Ás@ ÁÃÚÕT áÁà ° cq( } ÁÉÁÀ€GÈ
- Œ Öãn ÁxÁ, @}^Á, { à^¦Á, ¦ÁxÁ, @}^Á, { à^¦Áæ, \*^È Ú¦^••ÁxÁ, c, ^^}Á, @}^Á, { à^¦•Á, @}Á°}c^!ā, \*ÁxÁ, @}^Á, \*{ à^¦Áæ, \*^È
- HÈ Ú¦^••Ás@·ÁÃÙOXÒáÁàčα[}È
- IÈ ÖãndÁFÜÄÁØ[¦¸ælåÁÔ[å^¤Ánne Ánd]]¦[]¦ãnne\*È
- ÍÈ ÖãædÁsæÁsæÁsæã;}Á;¦Ásææã;}Á;¦[ˇ]Á(Á^&^ãç^Á&æd)•È OR
  - Öãn (ÂÔU ÁÔ¦[ˇ] Á078& ^••Á&[å^Ásn)åÁsh ^•ã^åÁ ¢¢°\}a (A) (@}^Á, `{à^¦È

Additional Tax Fields B-39

Appendix B: Hotel Management

- 6. Press the [SAVE] button.
- Replace the handset, return to idle.

To deactivate call forward for the room(s):

- 1. Dial the [PGM] button + #02.
- 2. Dial a phone number or a phone number range.

  Press \* between phone numbers when entering a phone number range.
- 3. Press the [SAVE] button.
- Dial # to cancel call forward.
- 5. Replace the handset, return to idle.

## **Additional Tax Fields**

Different tax rates can be applied for the various charges in hotel.

**Example:** Tax 0 = 10.00 %Tax 1 = 20.00 %Tax 2 = 0 %

Each bar item in the bar terminal table (PGM XXX) can have a tax rate index such as TAX 0, TAX 1, TAX 2, and etc.

Tax rates for call charge and room charge is fixed as the first tax rate entry, that is, Tax 0.

### **CONDITIONS**

- Tax index for the telephone and room charge is 0, that is, Tax 0 will be applied.
- There are up to 5 programmable tax rates (0 to 4) in PGM XXX.
- Every tax rates has 00.00 % by default and may have the value from 00.00 % to 99.99%.
- Each bar item can have only one index of tax rate.
- The index of tax rate in bar item table is 0 by default.
- Total tax of each item is only the integer part of the result that is calculated by the following equation.

Equation for tax: [Total tax] = INTEGER ([Charge] \* [Tax rate] \* 100 / 10000).

# **Guest Name/Info Display**

Qqfad|[¸•Á·•^¦•Áq[ÁçⳏÁşi-{¦{æaā[}Ásæà[čơf\*č^•orÁ+[{Á+[}ơfa^\*o-[A]@q^Asæ4]ā]\*Á¸ão@f\*č^•orÁ [ç^¦Ás@^Áj@}^Ē4V•^¦•Ásæ4]Á;¦^••Ásæásčoq[}Áq[Ásāā]]æâf\*^•ơfaj-{¦{æaā[}Ás\*']ā]\*Ásæ4|Ásæ}åÁsæÁ ç[|č{^Ásčoq[}Áq[Áq[ç^Ás^ç^^}Áč\*']ā]\*Ásæ4]Ásæ4]È

#### **OPERATION**

### **Front Desk**

To display information about guests in talk state:

FÈ Ú¦^••Ás@·Á∤^¢ãà|^Áàˇcq[}Áį-Á;P[c^|ÁÕˇ^•ơÁQ-[¤Á+>æč¦^Á&[å^Á厦ā]\*Á&æ)|È

QÈ Ö^cæaā/^åÁsi,-{¦{ aæāi}}Ásæà[ ŏÓs@>Á\* ઁ ^• Ó√sæa)Ás^Ás^A;^\}K

€€ÁKÁÔ ^ • oÁÞæ{ ^

€FÁKÁXQÚÁŸÒÙÐD U

€GÁKÁÒ¢]^&c^åÁÔ@^&\ËU`cÁVã[^

€HÁKÁŠÔÖÁŠæ)\*\*æ\*^

€IÁKÁÜ[[{ÁÔ c

€ÍÁKÁÖÞÖ

€ÎÁKÁY CESÒËNÚÁVã! ^

€Ï ÁKÁÖà ã ÁÜ^•dã&cã}} ÁÔ|æ•

ۓÁKÁÖãtãaÁÔ[}ç^¦•ã[}ÁÔ|æ••

€JÁKÁÚTÙÁÕ¦[ˇ]ÁÞˇ{à^¦

F€ÁKÁÞ~{ à^¦Á;-Á/æãã;\*ÁT^••æ\*^•

FFÁKÁÔæ∥^¦Ápˇ{à^¦Á;√ÁT^••æ≛^Ávæñã;\*Á

# **Dial One Digit Service**

#### CONDITIONS

ËÁ Ôæ∥Á^•da&ca[}Áæ)åÁ&læ••Ásj-{¦{ææa[}Áæd^Á;æas]cæas]^åÁ^ç^}Á;@∂}Áx@áÁ^æč¦^Ásač¦^Ásač

ËÁ V@n Á^æc`¦^Ánn Á;[oÁæçænajænà|^Á;¦√n;~-3&^Án¢c^}•ā[}È

#### **OPERATION**

#### **Guest Station**

To use Dial One Digit Service:

- Lift the handset or press the [SPEAKER] button.
- Dial one digit registered.
- 3. After a certain period of time, a call is made.

# Room Monitor / Baby Listening

It allows guests to monitor their rooms outside of the rooms in a hotel. In order to perform this function, an extension to be monitored must be set to room monitor mode. If monitoring is activated, all sounds of the monitored station can be heard from the monitoring extension. But the monitoring party's sounds are not delivered to the monitored extension.

#### CONDITIONS

- This feature is available only for extension call in the system.
- Monitor mode can be set only from a checked-in guest station.
- If the monitored extension is called, DND rejection tone is heard. In this case, step call and camp-on cannot be performed, but message wait, redial and pilot hunt can be performed.
- If a 3rd party calls the extension currently being monitored, busy tone is heard. Then, the 3rd party can perform step call and call back.
- External caller cannot monitor internal stations. That is, the extension currently being monitored cannot perform CO transfer.
- SIP extension cannot be monitored.

#### **OPERATION**

### **Guest Station**

To put an extension into monitor mode:

- 1. Lift the handset or press the [SPEAKER] button.
- Dial {Hotel Room Monitor} feature code.
- Service set tone is heard and the extension is monitored.

To clear extension monitoring:

- 1. Hang up the monitored station or press the active [SPEAKER] button.
- The extension goes on-hook and extension monitor is finished.

Appendix B: Hotel Management

## To monitor a guest station:

FÈ ŠãoÁ@ Á@; å•^oÁ; ¦Á; ¦^••Á;@ ÁŽUÚÒO; SÒÜ Á; ác { } È

GÈ Ö $\overline{a}a_{\dot{a}}$ A $\dot{a}$  $\dot{a$ 

HÈ ÖÞÖÁ^b/8cal}Át}^Ás Á@adåÈ

IÈ ÖãndÁn@ Ánæ{ ^Án@}} ^Á, \*{ à ^¦È

ÍÈ Ù[ˇ}åÁ;Áó@Á;[}ãť;\^åÁ;[{ÁšrÁ@æååÈ

# Call Answer Recognition (not available in U.S.)

QÁQÙÖÞÁÐ,^ÁÐÁ.•^åÁ[¦Á,ˇć[ð,\*Ásæ)•Ás@)/ÁBÁÐÁ.Á°¸ðåÁs@æÁsæ)/åÁ,ædóÁsæ)•, ^¦Áð}ædóÁð ¦^&[\*}ã^åÁs^Ás@Á^•¢{Ásæ}åÁjæ\*\*åÁj}Ás@Á\*\*•œÁsæ)Ájæ\*\*åÁj}áÁsæAjÁj\*\*ð,\*ÁUTÖÜÁ;\*ď,°c

## **OPERATION**

When a call is made from a guest station and the call is disconnected without answer, the call will be displayed on the guest's bill as follows:

	HOTEL NAME		
TOTAL CHARGE IN	I ROOM 100 (G	uest-Nam	ie:)
			•
Check - In : 94/12/26-18			
Check - Out: 94/12/31-11 (5 days)			
Start-Time CQ Duration Dialed-No			
12/27-13:10 01 00:00:32 00018234			nanswered
12/27-13:30 01 00:01:23 00018234		1500	
12/28-21:22 02 00:10:18 00018234	43507953 3°	1 15500	
Charge-Time Charged-STA Item	Bar-C	ost	tax
12/28-21:32 COFFEE-SHOP COF		5000	100
12/29-10:10 FRONT-DESK COKE	E (MINI-BAR)	3000	30
ltem Charge Tax	(rate) S	Sum	
(1) ROOM CHARGE: 300000	30000 (10.0	0%)	330000
(rate 02 : GOLD)			
(2) CALL CHARGE: 17000	170(10.00%)		17170
(3) BAR CHARGE: 8000	130	813	D
(4) PRE-PAID :	-	20000	
Method of payment : VISA			
TOTAL :	335300	WON	

NOTE: Currency Unit/SMDR Fraction depend on PGM 232 The SMDR print out will show the following:

NO	STA CO TIME START	DIALED CNT	COST REMARK
0009	101 01 00:04 13/06/95 12:4	17 O123 1	0.10
0010	101 01 00:15 13/06/95 12:5	0 001444872014 0	0.00 UNANSWERED

Alphabet small o in the DIALED field means unanswered outgoing call using ISDN line.

### CONDITIONS

Release 1.7

- ËÁ V@āÁ^æč¦^Á¸ā|Áà^Áæð]]|ā^åÁ¸@ā^Á@`æðā;\*ÁæÁā;\*Áàæ&\Áq;}^Áà^-{;^Áæð;•¸^¦È
- ËÁ V@Á^æč¦^Á, āļÁà^Áæçæājæà|^Á;}|^Á, @}ÁÒÜÖÞÆiÁ^ã^åÁ;¦Á;čť[ã;\*
- ËÁ Þ[Á&[•ÓÁ, ā]Áà^Á&@ed\*^åÁ(Árcæeā[}•Á(¦Ás@)Á}æ)• ^^\^åÁ&æd|•È
- EÁ V@ā Á^æc`¦^Áā Áæd]] að åÁg Ác@ ÁÙT ÖÜÁ^&G ¦åÁ

### NOTE:

V @ Á^æc ¦^Áa Áæ] ] | à åÁ[¦ÁNS ÉÞ Z ÉÁæ) åÁCE • dælædÈ Q ÁÞ ZÁæ) åÁCE • dælædÉÁæ Á Áæ Á ¢æ\} å^å Á¦¦ÁŠÔU ÓÁ∄ ^• È

## Form Feed Button

#### CONDITIONS

#### **OPERATION**

#### **Front Desk**

To make a {FORM FEED} button:

ĬĹŰŎŦáÁĒÁ,ØŠÒݤÁĒÁŎ Œ[}ÁØ^æĕ¦^Á√]^ÁÇFDÆÁ,Ø[¦{ÁØ^^åÁØ^æĕ¦^ÁÔ[å^¤ÆÃŨŒKÒá

To print out form feed:

- FÈ ŠãÁn@Á@a)å•^oÁ;¦Á;¦^••Án@ÁŽÙÚÒOESÒÜÁÁnč q{}È
- GÈ ÖãæḥÁØ[ |{ ÁØ^^åÁØ^æĕ |^ÁÔ[ å^¤Á; |Á; |^••ÁØUÜT ÁØÒÒÖ¤Áà σ[ } È Ø[ |{ Á^^åÁ, āl/Ás^Á; ac åÁ; ÁÜÜĒĒHΘÔÈ

# VIP Guest Call

 call answer is sequential in the order of call's entrance into the queue. If prioritized queuing of VIP guest call is set, calls from VIP guests are firstly answered by an operator.

#### CONDITIONS

- This feature is only available for attendants.
- VIP guests are determined depending on guest grade designated upon check-in.

# VIP Guest Wake-Up Call

It allows an attendant to be informed of VIP guests' wake-up call and provide wake-up call service. When it is wake-up call time designated for VIP guest room, the attendant is alerted for the wake up of the guest. The attendant can see VIP guest's room number and extension status together with the alarm. If the attendant dials {VIP Wake Up} feature code, the list of wake up calls for VIP guests are shown and a call can be made to the VIP guest by pressing [HOLD/SAVE] button.

### CONDITIONS

- This feature is only available for attendants.
- VIP guests are determined depending on guest grade designated upon check-in.
- There can be maximum 20 VIP wake-up logs in system. The log is deleted once the attendant presses [SAVE] button while checking VIP wake-up logs.

#### **OPERATION**

To make a {VIP WAKE UP} button:

[PGM] + {FLEX} + Button Feature Type (1) + {VIP Wake Up Feature Code} + [SAVE]

To check and serve VIP wake-up call:

- 1. Lift the handset or press the [SPEAKER] button.
- 2. Dial (VIP Wake Up Feature Code) or press (VIP WAKE UP) button.
- Wake-up information and current status of VIP guest is displayed on LCD.
   If there're multiple wake-up calls, the information can be scrolled by using the [VOL UP]/[VOL DOWN] keys
- 4. Press the [SAVE] button to call the VIP guest.
- 5. If the guest answers the call, announce the wake-up feature.

# Fidelio Hotel Feature (optional with license)

MBX IPÁ\*]][ | (• Ás) c° | -æ&^ Á, ão@ÝT &&| [• ÉÖÆå^|ā, Áu] ^ | æÆÁ; }^ Á; -Ás@ Á@, c° |Á; æ) æ\* ^{ ^} o^{^• c° {• ÉÁ Ù^• c° { Ás; c° | [] ^ | ææā; }• Ás^ c; ^^} ÁMBX IPÁæ; åÁu] ^ | æÆæ4^ Á • ā; \* ÁÖÖDÉJÁÇÖÆå^|ā; ÁŪ; c° | -æ&^ Á OŒ; ] | æææā; }ÁÜ] ^ &ãææā; } DÆæ; åÁS[ } } ^ &æā; } Åæ Á; [•• æå | ^ Á, ão@ÁÖÆå^|ā; ÁÛ^ | ç° | ÁŪÚÆæ; åÁ; [ | cÁ &[ } -ã\* | ææā; }• ÉÁ

ËTÕ`^• of taccord and the factor of the fact



Ø001EÙÁÞ^c:[¦\ÁÔ[}~ātˇ¦ææā[}

OЩÁQ; c^|Á^æc`¦^•Á•ã; \*Á2OQEÙÁæ; ^Á; Q; }Áæ^|[¸È

Feature Category	Specific Features		
Guest Data	Check In		
	Check Out		
	Room Change		
	Guest Info/Name Change		
Room Data	Room Status: Inspect, Clean, Dirty		
	Voice Mail Notification		
Charge Posting	Call Charge Posting : Classification of local call, long distance call, international call, and mobile call		
	Mini-Bar Charge Posting		

# Fidelio Hotel Feature

Appendix B: Hotel Management

Appendix B: Hotel Management

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Release 1.7 April 2012

# **Quick Reference**

This appendix contains Quick Reference tables for the following types of information:

- Database Index on page C-1
- Default Numbering Plan on page C-8
- Fixed Function/User Program Codes on page C-17
- Default Values on page C-21
- Alpha-numeric Entry Charts on page C-105

# **DATABASE INDEX**

The Database index 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. The individual PROGRAMS are identified in the Table with the ADMIN STATION PROGRAM CODE (PGM Code) and a corresponding Web sub-menu and description.

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

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
ÞWT Ó ÖÜ OÞ Ő ÁÚ ŠOÐ Á Ö OÐ Æ	FFI	ÔUÁÕ¦[ˇ]ÁŒ&^••ÁÔ[å^	
	FFÍ	Ùcæaā[}ÁÕ¦[ˇ]Ápˇ{à^¦	
ÙVŒVŒJÞÁJUÜVÆÖŒVŒ	FŒ	Ùcæaā[}Á/^]^ÁQ-{¦{æaā[}	Ùcæaj[}Á/^]^
	FŒ	Ùcæaā[}ÁÚ[¦cÁQEcdâačc^ÁF	Ùcæaji}ÁÚ[¦ơÁOEcdāàčơ^
	FŒ	Ùcæaā[}ÁÚ[¦cÁQEcdâačc^ÁG	
	FGH	Ùcæaā[}ÁÚ[¦cÁQEcdãačc^ÁH	
	FG	Ùcæaā[}ÁÚ[¦cÁQEcdâačc^Á	
	FĞ	Ùcaesā() ÁZI/^¢āa ^ÁÓ°cd() ÁOEcdāa°c^	Ø ^¢ãa ^ÁÓ co[}Á O≣∙ã}{ ^}c
	Y ^àÁ U} ^		ÔVŒÓÚÁŒåå¦^••
ÀÜVŒVŒVØJÞÁÞWT ÓÒÜÁ	FH€	Ùæaā[}ÁÖÞÁÞ~{à^¦	Ùcæaa[}ÁÖÞÁOE•ãt}{ ^}c
ÖŒ/Œ	FHF	Ùcæcā[}Ápˇ{à^\ÁOEcdāaˇc^ÁF	Ùcæaña }ÁÖÞÁOEcdâna čo^
	FHG	Ùcæcā[}Ápˇ{à^\ÁOEcdâaˇc^ÁG	
	FHH	Ùcæaā[}ÁÞˇ{à^¦ÁOTeclāačơ^ÁH	
	FHI	Ùcæaā[}Ápˇ{à^¦ÁQTaclānaˇc^Á	
	FHÍ	Ùczecáj } ÁÔŠCÁCtccci áñ č^	
	FHÏ	Ùcæaji}ÁÔUÙÁOtadãač	ÔUÙÁŒ•ã}{ ^}c
	FHÌ	Ùczecáj }ÁCE (ĮÁÖázeþÁCEcciáña c^	Œ (ĀÖãæþÁŒcdããčo^
	FI G	Ùcæaā[}ÁÚ¦^•^ơÁÔæ ÁØ[¦¸æ¦å	Ú¦^•^oÁÔæ ÁØ[¦¸æ¦å
	FIH	Ùcænā[}ÁØ[¦¸æhåÁÛ^c	Ôæ∥ÁØ[¦¸ætå
	FIÍ	Ùcæaaji}ÁXT CÓÁOEcciãai c^	XT QÓÁQEcdân ĕo^
	FIÎ	Ùcaeaa[}ÁT[àā[^ÁÔ¢¢^}•ā[}	T[àã[^ÁÔ¢¢^}•ã[}Á Crēciãa~c^
	FÍ €	Ùæaā[}ÁÔUÁÕ¦[ˇ]ÁOB&^••	ÔUĐĐÚÁÕ¦[ˇ]ÁŒ&^••
	FÍ F	Ùæaā;}ÁÚæ*^ÁÕ¦[ˇ]ÁŒ&^••	Úæ*^ÁÕ¦[ˇ]ÁŒ&^••
	FÍ G	Ô[{{ æ};åÁÔæ∯ÁŐ;[ˇ]ÁO28&^••	Ô[{{æ};åÁÕ¦[ˇ]Á OE&&^••
ÔU ÁŠŒ ÒÁÖŒ/Œ	F΀	ÔUÁŠÃ; ^ÁŒcdãa` ơ ÁF	ÔU ÁŠã, ^ÁŒd ãã ° ơ^
	FÎ F	ÔU ÁSAJ ^ÁQECI ÁBI & ÁG	

DATABASE INDEX C-3

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
CO LINE DATA	162	CO Line Attribute 3	
	163	CO CID Attribute	
	165	Incoming CO Attribute 1	Incoming CO Attribute
	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	200	Station Group Assign	Station Group Assign
DATA	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

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
ÙŸÙVÒT ÁÖŒVŒ	ŒF	Ù^•¢^{ Á⁄ã ^¦ÁG	
	œ	Ù^•¢^{ Á⁄ã ^¦ÁH	
	GGH	Ù^•o^{ÁQEcdâaĭo^	Ù^∙c^{ ÁOEcdâa`c^
	ϔ	Ù^•¢^{ ÁÚæ•, [¦å	Ù^•¢^{ ÁÚæ•, [¦å
	ϕ	Ù^•¢^{ÁOEpad{ÁOEpdâa`¢	Ot‡æd-{ÁOt€cdâña`c^
	ϓ	Ò¢¢^\}æ ÁÔ[}d[ ÁÔ[}æ&c	Ò¢¢^¦} æþÁÔ[} d[ ÁÔ[} ææ&c
	ŒJ	T * • 88Á0 <b>•</b> • 8 }	T * • & AÛ[ *   & ^
	G <del>H</del> €	ÜÙGHGÁÚ[¦αÂÙ^αäj*	ÜÙGHGÁÙ^œã*
	GHF	Ú¦āj ơÁÚ[¦ơÁÛ^ ^&ơā[}	Ù^¦ãæþÁÚ[¦ơÁÙ^ ^&cã[}
	GHG	ÙT ÖÜÁŒdãaˇ &	ÙT ÖÜÁŒdãaˇ ơ
	GHI	Ù^ơÛ^•ơ^{Á/ā[^EÖæe^	Ù^•c^{Á/ã( ^BÖæc^
	ЭH	ŠÒÖÁÔ[  [   H20 æ @ÁÜæe^	ŠÒÖÁØ æe@aj*ÁÜæe^
	ЭĤ	T[àãp^ÁQEcdãa`c^	T[àãp^ÁOEcdãačơ
	GНÏ	U}^EÖðt ðaÁÚ^¦çð&^	Qle^¦&[{ÁÓ°•^Á/æà ^
	G€	Ö´{{^ÁÖãæþÁ[}^ÁÖãtãc	ÖãæþÁ/[}^ÁÖððððáðÁæà ^
	GГ	Ò¢^&`@q;^Đù/&¦^œd;^ÁŒ•ã}	Ò¢^&` cãţ^ĐÙ^&\^cæ\^Á Œ•ã}
	G G	Ò¢^&` cã;^ÐÓ¢^&` cã;^ÁOB&^••	Ò¢^&` cãç^ÁO&&^••
	Y ^àÁ U}  ^		ÚÚVÚÁŒďãã ơ
	Y ^àÁ U}  ^		Y^àÁO28&^••Á OE o@¦ã assā[}
VŒÓŠÒÁÖŒVŒ	ď€	V[  ÁÒ¢&^] ca[}Á/æà ^	V[  ÁÔ¢&^] qã[} Á/æà ^
	<b>G</b> F	ÖâtãaÁÔ[}ç^\!•ã[}Á/æàa ^	ÖātāoÁÔ[}ç^¦•ā[}Á/æà ^
	G G	ÖatãoÁÔ[}ç^\!•ā[}Á∪]cā[}	
	ďН	Vā[^Á√æà ^ÁOEcclâãčc^	Ù^•c^{ Á/ā( ^Á/æà ^
	ďΙ	Y^^\ ^Ávã; ^Ávæà ^	
	ďί	ŠÔÜÁVÃĮ ^Á/æài ^ÁOÆcdãàč ơ\	ŠÔÜÁ⁄ą́ ^Á⁄æà/^
	ΘÎ	P[ ãaæ Á/ā[^Á/æà ^	P[ ãåæîÁvãi ^Ávæà ^
	ďΪ	Ù^•ơ{ ÁÙ]^^åÆÖædÁ/æà ^	Ù^•¢^{ ÁÙ] ^^åÁÖãæ

C-5

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
TABLE DATA	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

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
ÓU ŒÜÖÁ֌ƌ	H€€	QÙÖÞÁÓ[æ¦åÁŒdãačơ	QÙÖÞÁÓ[æ¦åÁOEcdãačo^
	H€F	Q)ÖÞÁÔ [&\ÁÚ¦ð[¦ãĉ	Q)ÖÞÁÔ [&\ÁÚ¦ā[¦ãĉ
	H€Í	XUÓDEXT ÓDÁÓ[æláÅÆdædáæře^	XU ÓDEXT ÓDÁÓ[ælåÁ OTECLÉTÉ Č
XUÔÒÁÞÒVY UÜSÁ	HG€	Þ^ç[¦∖ÁOEcdâa`ơ^•	Þ^ç [¦∖ÁOEcdâa`d^•
ÖŒ/Œ	HGF	Þ^ç [¦\Ápˇ{ à^¦ã;*	Þ^ç [ ¦\ ÁÞ~{ à^¦ð;*
VË⊅ÒVÄÖææ	HH€	VÞÒVÁÓæ å&ÁŒd âà` c^•	VÞÒVÁŒďãã ♂•
	HHF	VÞÒVÁÔT ÁŒdãa° c^∙	ÔT ÁŒd ãa ˇ c^•
	НН	Ø[ÚÙVÞÁŒdãočov•	ØĮ ÚÙVÞÁŒďãã °¢
	HH	Ó[æ¦åÁVËÞ^œÆGæd°æ°°	VËÞ^ơÁÓ[ætåÁŒtdãačơ^
	HHÍ	QÚÁÚ@}^Á∕ËÞ^ơÔ}æà ^	QÚËÚQ}^ÁÆÞ^ÁŒdãač¢
PÈHGH/ÖŒ/Œ	H΀	PÈHGHÁÜ[ˇcāj,*ÁOEcdânaŭ c^	PÈHGHÁÜ[čaj*ÁOEcdâače^
	НÎБ	PÈHGHÁÔæ∥ÁÙ^ċ]ÁOŒdãačo^	PÈHGHÁÔæ ÁŒdãač¢
	HÎ G	PÈHGHÁQ,&[{āj*ÁOEcdāaĭc^	PÈHGHÁQ,&[{āj*ÁOEcdâa`c^
	н̂Н	ŐSÁÙ^ċ]ÁQ-{	ŐSÁŒdãa ĕo^
ÙŒ/Œ	Y ^àÁ U}  ^		ÙŒÁÔUÁÓæææÁ Ü^*ãdææÃ}
	Y ^àÁ U}  ^		ÙŒJÁÔUÁŒÃåãŒÃ} æÞÁ Ü^*ãdæãÃ}
	Y ^àÁ U}  ^		ÙŒÁÔUÁÔ[å^&
	Y ^àÁ U}  ^		ÙŒJÁÔUÁN•^¦ÁŒÁ/æà ^
ٌƌƌ	Y ^àÁ U}  ^		ÙŒÁÙææã;}ÁÓæææÁ Ü^*ãdæã;}
	Y ^àÁ U}  ^		Ù OÚÁ Ù caeaaaa } ÁO Da à á ai ai } æ þÁ Ü^* ã d æ aa i }
	Y ^àÁ U}  ^		ÙŒJÁÙŒŒÃ;}ÁÙ^¦çã&^
ZUÞÒÆÖŒÆ	Y ^àÁ U}  ^		Z[}^ÁOEcdâàčơ

DATABASE INDEX

PROGRAM GROUP	PGM CODE	PGM NAME	WEB SUB-MENU
ZONE DATA	Web		Zone RTP Relay Group
	Only		
	Web Only		Inter Zone Attribute
SNMP DATA	Web		SNMP Data
SINIVIE DATA	Only		SINIVIF Data
DECT DATA	Web		DECT Registration
	Only		
	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

## **DEFAULT NUMBERING PLAN**

V@ÁÖ^-æĕ|ơÁpˇ{à^¦ā]\*ÁÚ|æ)Á&æ)Ás^Ás^Á^|^&c^åÁ¦[{ÁFÁ;AÂÁÓæ•^Ápˇ{à^¦ā]\*ÁÚ|æ)•ÁÇ⁄æà|^•ÁÓËFÁ æ)åÁŐËEDĚÄW@Ápˇ{à^¦ÁÚ|æ)Ásæ)Ás^Ás@e)\*^åÁ•ā]\*Ás@éÀrັ{à^¦ā]\*ÁÚ|æ)ÁÚ¦[\*¦æ;•ÉÁÚÜUÕÜŒFÁ ŐUÖÒÙÁFF€Á[ÁFFIÈ

### **BASIC NUMBER**

No	Name	NUM SET 1	NUM SET 2	NUM SET 3
FÁ	Ùcæaa[}Áro*{à^¦	F€€ÁÄÄÄÄÄHÁ	F <b>€€ÁÐ</b> JJÁ	F€€€ÁÜEŤÎIÏÁ
GÁ	ÔU ÁÕ¦[ ˇ ] ÁŒ&^••Á Ô[ å^	FÊÀ €FÊ Î CÁÇT ÓÝ ÁQÚÊH€€D Ì €FÊ CIÁÇT ÓÝ ÁQÚÊF€€DÁ	e£AGÌ eFEÈÌÏ CÁÇT ÓÝÁ QÚËHE€EDAGÌ eFEÈÌ CIÁ ÇT ÓÝÁQÚËT—€EDÁ	JÊÀ €FÊÏĞÁŢÓÝÁÓJËH€€D Ì€FÊĞÁŢÓÝÁÓJËF€€DÁ
HÁ	Ùcaeaa[}ÁÕ¦[ˇ]ÁÁ Þˇ{à^¦	Î GEÊÎ Î JÁÇT ÓÝÁNÚÊHEEDÁ Î GEÊÎ HUÁÇT ÓÝÁNÚÊFEEDÁ	EÎGEËÊÎĴJÁÇTÓÝÁ QÚËHEEDÁĒGEËËHJÁ ÇTÓÝÁQÚËFEEDÁ	Î GEÊÎ Î JÁÇT ÓÝ ÁQÚËHEEDÁ Î GEÊÎ HUÁÇT ÓÝ ÁQÚËFEEDÁ
I	ŒÔÖÁÕ¦[ˇ]ÁÁ Þˇ{à^¦	Î⊖EEÊ FJÇTÓÝÁQÚËHE€ED Î⊖EEÊ FJÇTÓÝÁQÚËHE€ED	B΀€EEÎFJÇTÓÝÁÓUËHE€ED B΀€EED GÛËF€€ED	Î⊖EÊÎFJÇTÓÝÁNÚËHE€D Î⊖EÊÎFJÇTÓÝÁNÚËF€€D

No	Name	NUM SET 4	NUM SET 5	NUM SET 6
FÁ	Ùcaeca[}Áro~{à^¦	Ï€€€ÆÄÄÎIÏÁ	G€€€ËĜÎIÏÁ	G <del>€€€Í</del> ÎIÏÁ
GÁ	ÔUÁÕ¦[*]Á088&^••Á Ô[å^	FÉÁL €FÜÜÖÁTÓÝÁ QÚÜHEEDÁ €FÜÖGÁTÓÝÁ QÚÜHEEDÁ	ĐẦ €TỬ Ï CÁT ÓÝÁ QUŰHEĐA €TỬ CHÁT ÓÝÁ QUŰHEÐA	e£À eÆH ï CÁÇT ÓÝÁÓÚÉHE€ÐÁ Ì eFEH GIÁÇT ÓÝÁÓÚÉF€€ÐÁ
HÁ	Ùcanaaaaaaaaa D`{à^¦	ÎGEÊÎJAÇTÓÝAÓJËHEEDÁ ÎGEÊHUAÇTÓÝAÓJËFEEDÁ	ÎGEÊÎÎJÁÇTÓ ÝAQÚËHE€D ÎGEÊÎHJÁÇTÓ ÝAQÚËF€EDÁ	ĐỂ G€ ĐỆC THẨT CÓ YÁ ĐỘ THE COÁ ĐỂ G€ ĐỆC THẨT CÓ YÁ ĐỆC THẾ ĐỆC TỐ ĐỆC THẾ THẾ THẾ THẾ THẾ THẾ THẾ THẾ THẾ THẾ
Ι	ŒŶŎÁÕ¦[ˇ]ÁÁÞˇ{à^¦		΀ŒÎ FJÁÇT ÓÝÁQÚËHE€ED ΀ŒÎ FJÁÇT ÓÝÁQÚËF€€ED	E΀€EÊÎ FJÇTÓÝÁNÚËF€€D E΀€EÊÎ FJÇTÓÝÁNÚËF€€D

### FEATURE CODE

No	Feature Name	NUM SET 1	NUM SET 2	NUM SET 3
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 Gr	roup #
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 + Destir	nation	
19	Pilot Hunt Call Forward Register	514	*514	514
		554 + Type + Destir	nation	
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

No	Feature Name	NUM SET 1	NUM SET 2	NUM SET 3
ĠΆ	TYQÁÜ^*ãcº¦Á	ÍÍÎÁ	ĦĺĨÁ	ÍÍÎÁ
GJÁ	TY ŒŒ, ^¦Á	ÍÍÏÁ	ВÍÏÁ	ÍÍÏÁ
H€Á	TY QÁÔæ) &^ Á	ÍÍJÁ	ÐÍJÁ	ÍÍJÁ
HFÁ	Ôæ ÁÓæ&\ÁÜ^*ãrc^¦Á	Í FÌ Á	f Fì Á	Í FÌ Á
HGÁ	Ôæ ÁÓæ&\ÁÔæ}&^ Á	ÍFJÁ	∄ FJÁ	ÍFJÁ
HHÁ	Õ¦[ˇ]ÁÔæ ÁÚæ&\ˇ]Á	ÍÎÎÁ	ĦÎÎÁ	ÍÎÎÁ
ΗÁ	Öã^&ÁÔæ ÁÚæ&`]Á	ΪÁ	В́Á	ΪÁ
ΗÍÁ	Yæ \āj*ÁÔUÙÁ	Í G€Á	É G€Á	Í G€Á
ΗÎÁ	Ôæ ÁÚæ\ã,*ÁŠ[&æ£ã;}Á	ÍIFÁ	Ð I FÁ	ÍIFÁ
		541 + xx Xx: Parkin	g Location (00 - 49)	
Η̈́Á	ÚÕTÁT[å^ÁŒ&&^••Á	ÍŒÁ	EÍ GFÁ	Í ŒÁ
ΗÌÁ	V, [ËYæÎÁÜ^&[¦åÁ	Í ŒÁ	EÍ CGÁ	Í ŒÁ
IJÁ	XT @ÓÁŒ&&^••Á	Í GHÁ	É GHÁ	Í GHÁ
I€Á	OF ÒÁOB&^••Á	ÍGÁ	Ħ́GÁ	ÍGÁ
I FÁ	ÔU ÁŠÃ ^ÁŒ&^••Á	ììÁ	ΒÌÁ	ììÁ
		88 + xxx Xxx: CO L IP-100)	ine # (001-200 : MBX II	P-300 01-80: MBX
I GÁ	XTÁTY QÁÒ}æà ^Á	ΒÁ	ÉÀÌÁ	Β΄Á
ΙΗÁ	XTÁTY QÁÔæ) &^ Á	EJÁ	É ÀJÁ	EJÁ
ПÁ	T ÔѾÁÜ^˘ˇ^•ơÁ	E€Á	É À€Á	E€Á
ΙÍÁ	W} • ˇ ] ^¦çã•^åÁÔ[ } -ÁÒ¢ơ\} åÁ	Í ÀÀÁ	É ÀÀÁ	í ÀÀÁ
ΙÎÁ	ÚVVÁÕ¦[ˇ]ÁŒ&^••Á	ÍHÌÁ	É HÌ Á	ÍHÌÁ
		524 + (0-9,*) 0-9: P	TT Group # *: Log out	
ΙΪÁ	P[ơÁÖ^•\ÁŠ[*ÁQ) ĐŠ[*Á[`ơÁ	ÍGÍÁ	É GÍ Á	ÍGÍÁ
ΙÌÁ	Þæ{ ^ÁÜ^*ãrơ\¦Á	Í GÎ Á	Β΄GÎÁ	ÍGÍÁ
IJÁ	Ô¦^æe^ÁÔ[}-ÁÜ[[{ Á	ÍGÏÁ	ΕÍ GÏ Á	ÍĠÁ
		Í GÏ ÁÉÁÔ[}-ÀÄÜ[[{ ÁÀ		
Í€Á	Ö^ ^&ÁÔ[}ÆÜ[[{Á	ÍĠÁ	É GÌ Á	ÍĠÁ
		528 + Conf. Room 7	#	
ÍFÁ	Yæ∖^ÁMJÁÜ^*ãrc∿¦Á	ÍGJÁ	É GJÁ	ÍGJÁ
		529 + HH:MM	•	
ÍGÁ	Yank^ÁNJÁÔan)&^ Á	Í H€Á	É H€Á	ÍH€Á

No	Feature Name	NUM SET 1	NUM SET 2	NUM SET 3
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

No	Feature Name	NUM SET 1	NUM SET 2	NUM SET 3
ÌÍÁ	W}ãç^¦•æ∳ÆÇ;^¦Á	ÍÌÏÁ	ΗÌΪÁ	ÍÌÏÁ
ÌΪÁ	Ö^ ^৫^ÁŒ ÁXTÁT^••æ*^Á	î ì FÁ	ВÎFÁ	Î Ì FÁ
ÌÌÁ	XTÁÚæ*^ÁT^•∙æ*^ÁÜ^&[¦åÁ	îì GÁ	fi ì GÁ	î ì <b>G</b> Á
ÌJÁ	Öã^&⁄xTÁ/¦æ}•-^¦Á	ÎÌHÁ	ΒÎÌHÁ	ÎÌHÁ
J€Á	Š[[]ÁS^^Á	ÎÌIÁ	ΒÎΙÁ	ÎÌIÁ
JFÁ	ÔæļÁŠ[ * Á	îìíÁ	ΒÌÍÁ	îìíÁ
JG	ŒÔÖÁŒ^} ơÁŠ[*∄, ∰, *[čc	Í€€	É€	Í€€
JH	ŒÔÖÁŒ^}ơÁÖÞÖ	Í€F	É€F	Í€F
JI	ŒÔÖÁŒ^} œÁY [¦\ÁT [å^	Í€G	É€G	Í€G
JÍ	CEÔÖÁCE^} OÁCE (ÉÁY [¦\	Í€H	É∉H	Í€H
JÎ	ŒÔÖÁŒ^} œÆŒ qEŒ₽•¸^¦	Í€	É€	Í€
JΪ	OĐÔ ÖÁÔ æ Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á	Í€Ì	É€Ì	Í€Ì
JÌ	ÞUÞÁÐÐÖÓÐæļÁÐ,åæðæði;}	Í€J	É€J	Í€J
JJ	ŒÔÖÁÙˇ]^¦çãa[¦ÁÕ¦[ˇ]ÁÔæ ÁØ[¦¸æ¦å	ÌJ€	ĤJ€	ÌJ€
F€€	ŒÔÖÁÙˇ]^¦çã[¦ÁÕ¦[ˇ]ÁÞãť@ÁT[å^	ÌJF	₿JF	ÌJF
F€F	ŒÔÖÁÙˇ]^¦çã[¦ÁÕ¦[ˇ]ÁP[ ãåæÁT[å^	ÌJG	₿JG	ÌJG
F€G	ŒÔÖÁÙ`]^¦çã[¦ÁÛ`^`^åÁÔæ∥ÁŒ;•,^¦	ÌJÍ	ÈJÍ	ÌJÍ
F€H	ŒÔÖÁÙˇ]^¦çã[¦ÁŒ^}ơÁÙææ^ÁÔ@·&\	ÌJÎ	ΒÌ JÎ	ÌJÎ
F€I	ŒÔÖÁÙˇ]^¦çã;[¦ÁÙã/}ơÁT[}ã[¦	ÌJÏ	₿JÏ	ÌJÏ
F€Í	ŒÔÖÁÙˇ]^¦çã[¦ÁV¦æ-8&ÁÔ@-&\	ÌJÌ	∄JÌ	ÌJÌ
F€Î	0€ÔÖÁŒ\$}[ˇ}&^{ ^}ơÁÚ æê	ÌJJ	₿IJ	ÌJJ
F€Ï	Öæ Boð @ÁÚ¦[*¦æ{	ÍFH	∄FH	ÍFH

No	Feature Name	NUM SET 4	NUM SET 5	NUM SET 6
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: Al	l 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 + Destir	nation	
19	Pilot Hunt Call Forward Register	514	514	*514
		514 + Type + Destir	nation	
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

No	Feature Name	NUM SET 4	NUM SET 5	NUM SET 6			
GJÁ	TY CÁCE, •, ^¦Á	ÍÍÌÁ	ÍÍÏÁ	ΕÍΪÁ			
H€Á	TY QÁÔæ) &^ Á	ÍÍJÁ	ÍÍJÁ	É Í JÁ			
HFÁ	Ôæ ÁÓæ&\ÁÜ^*ãrc^¦Á	Í FÌ Á	Í FÌ Á	É FÌ Á			
HGÁ	Ôæ ÁÓæ&\ÁÔæ}&\Á	Í FJÁ	ÍFJÁ	É FJÁ			
HHÁ	Õ¦[ˇ]ÁÔæ ÁÚæ&\ˇ]Á	⊞Á	ÍÎÎÁ	ΕÍÎΙΑ΄			
ΗÁ	Öã^&ÁÔæ ÁÚæX`]Á	ΪÁ	ΪÁ	ЁÁ			
ΗÍÁ	Yæ \āj*ÁÔUÙÁ	Í ŒÁ	Í G€Á	EÍ G€Á			
HÎÁ	ÔællÁÚæl\āj*Áš[&æaāj}Á	ÍIFÁ	ÍIFÁ	<b>∄</b> IFÁ			
		541 + xx Xx: Parkin	g Location (00-49)				
Η̈́Á	ÚÕTÁT[å^ÁŒ&^••Á	Í ŒÁ	ÍŒFÁ	EÍ GFÁ			
ΗÌÁ	V, [ËYæÂÜ^&[¦åÁ	Í GGÁ	Í GGÁ	EÍ CGÁ			
ЫÁ	XT <b>(ÓÁCE&amp;</b> ^ • • Á	Í GHÁ	Í GHÁ	É GHÁ			
I€Á	OF ÒÁO&&^••Á	ÍGIÁ	ÍGÁ	É G Á			
I FÁ	ÔUÆŠãj^ÁŒS&^••Á	ììÁ	ììÁ	ììÁ			
		88 + xxx Xxx: CO L IP-100)	ine # (001-200: MBX	IP-300 01-80: MBX			
I GÁ	XTÁTY QÁÒ} æà  ^Á	Β̈́Á	Β΄Á	ΕİÀÌÁ			
ΙΗÁ	XTÁTY QÁÔæ) &^ Á	ЫÁ	EJÁ	É ÀJÁ			
ПÁ	Τ ÔΦΆÜ^ˇ ^• αΆ	E€Á	E€Á	É À€Á			
ΙÍÁ	W}•ˇ]^¦çãr^åÁÔ[}-ÁÒ¢ơ\}åÁ	Í ÀÀÁ	ÍÀÀÁ	fi ààá			
ΙÎÁ	ÚVVÁÕ¦[ˇ]ÁŒ&^••Á	ÍÀÁ	ÍHÌÁ	Е́НÌÁ			
		524 + (0-9,*) 0-9: P	TT Group # *: Log οι	ıt			
ΙΪÁ	P[ơÁÖ^•\ÁŠ[*ÁQЊ[*Á[`ơÁ	Í GÍ Á	Í GÍ Á	É GÍ Á			
ΙÌÁ	Þæ( ^ÁÜ^*ãrơ\¦Á	Í GĨ Á	Í GÌ Á	Ħ G Á			
۱JÁ	Ô¦^æe^ÁÔ[}~ÄÜ[[{ Á	Í GÏ Á	Í GÏ Á	É GÏ Á			
		527 + Conf. Room #					
Í€Á	Ö^ ^&ÁÔ[}-ÁÜ[[{ Á	Í Ġ Á	ÍĠÁ	É GÌ Á			
		528 + Conf. Room	#				
ÍFÁ	Yæ\^ÁNJÁÜ^*ãrơ\¦Á	Í GJÁ	ÍGJÁ	É GJÁ			
		529 + HH:MM					
ÍGÁ	Yæt^ÁNJÁÔæj&^ Á	Í H€Á	ÍH€Á	∄ H€Á			
ÍHÁ	V^{ ][ˈlælð͡r ÁÔUÙÁÖ[ ¸ } Á	ÍHFÁ	ÍHFÁ	É HFÁ			

No	Feature Name	NUM SET 4	NUM SET 5	NUM SET 6
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

No	Feature Name	NUM SET 4	NUM SET 5	NUM SET 6
ÌÍÁ	W}ãç^¦•æ ÁŒ;•¸^¦Á	ÍÌÏÁ	ĺΪΑ	ΕÌΪÁ
ÌΪÁ	Ö^ ^c^ÁQЩÁXTÁT^••æt^Á	ÎÌFÁ	ÎÌFÁ	В̂Ì FÁ
ììÁ	XTÁÚæť^ÁT^••æť^ÁÜ^&[¦åÁ	î ì <b>G</b> Á	î ì GÁ	∄ìGÁ
ÌJÁ	Öã^&⁄xT Á/¦æ)•-^¦Á	ÎÌHÁ	ÎÌHÁ	∄ÌHÁ
J€Á	Š[[]ÁS^^Á	ÎÌIÁ	ÎÌIÁ	ĦÌIÁ
JFÁ	ÔæļÁŠ[*Á	ÎÌÍÁ	îìíÁ	ĦÌÍÁ
JG	ŒÔÖÁŒ^}oÆĞ[*∄,EŠ[*[čc	Í€€	Í€€	<b>€</b> €
JH	ŒÔÖÁŒ^}ơÁÖÞÖ	Í€F	Í€F	É€F
JI	ŒÔÖÁŒ^}œÁY [¦\ÁT[å^	Í€G	Í€G	É €G
JÍ	0€ÔÖÁQE^} αÁQE q[ÁY [¦\	Í€H	Í∉H	<b>∄</b> €H
JÎ	ŒÔÖÁŒ^} œÆŒ qEŒŒ, ^;	Í€	Í€	É€
JΪ	OEÔÖÁÔæ ÁQåä&ææá;}	Í€Ì	Í€Ì	É€Ì
JÌ	ÞUÞÁÐÖÖÁÔællÁÐååæðaæða }	Í€J	Í€J	É€J
JJ	ŒÔÖÁÙˇ]^¦çã[¦ÁÕ¦[ˇ]ÁÔæ∥ÁZ[¦¸æ¦å	ÌJ€	ÌJ€	BÌJ€
F€€	ŒÔÖÁÙˇ]^¦çãa[¦ÁÕ¦[ˇ]ÁĐÃŤ@ÁT[å^	ÌJF	ÌJF	₿JF
F€F	ŒÔÖÁÙˇ]^¦çã[¦ÁÕ¦[ˇ]ÁP[ ãåæÂT[å^	ÌJG	ÌJG	ÈJG
F€G	ŒÔÖÁÙˇ]^¦çã[¦ÁÛˇ^`^åÁÔæ ÁŒ;•¸^¦	ÌJÍ	ÌJÍ	₿JÍ
F€H	0€ÔÖÁÛ~]^¦çã[¦ÁOE^}ơÁÛææ^ÁÔ@&\	ÌJÎ	ÌJÎ	ĖJÎ
F€I	ŒÔÖÁÙˇ]^¦çã{[¦ÁÙã/}ơÁT[}ã{[¦	ÌJÏ	ÌJÏ	₿JÏ
F€Í	ŒÔÖÂÛˇ]^¦çã[¦Á∕¦æ-8&ÁÔ@-&\	ÌJÌ	ÌJÌ	ΒÌ JÌ
F€Î	0€ÔÖÁQ\$}[ˇ}&^{ ^}♂ÁÚ æê	ÌJJ	ÌIJ	È JJ
F€Ï	Öæ Boð @ÁÚ¦[*¦æ{	Í FH	∄ FH	Í FH

# FIXED FUNCTION/USER PROGRAM CODES

Fixed Function Codes in the two tables that follow, are digit sequences users and the Attendant may dial while in the USER PROGRAM MODE.

#### 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	23 is BGM on digital phones &
		Ring Download on IP phones.
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	IP-Series/LDP6000-Series
41 + MSG number [xx]	Set Pre-Defined Message.	0-9, MBX IP
		*: User Custom # Deactivation
42	Create a Station User Message	
43	Send SMS Message	IP Series/LDP6000 Series
44	Receive SMS Message	IP Series/LDP6000 Series

USER PGM CODE	DESCRIPTION	REMARK
Í FÁÉÁ¢	T[àāj^ÁÚ@[}^ÁOEScāçæaā[}	ÝMFËG
Í GÁÉÁ¢	T[àãp^ÁÚ@{}}^ÁÜ^*ãrdæaã[}	ÝMFËG
Í HÁÉÁ¢	T[àā[^ÁÔŠÓ[Þˇ{à^¦ÁÜ^*ãidæaā[}	ÝMFËG
ÍÎÁÉÁÜ{ÁBÁCEc©ÁÔ[å^	Ô[}-ÁÜ[[{ ÁÙæ+c	
ÍÏÁÉÁÜ{ÁBÁCEc©ÁÔ[å^	Ô[}-ÁÜ[[{ ÁÔ [•^	
ÎF	Ù]^æ\^\BP^æ\•^o\T[å^	Ù]^æ\^¦ÁaÁP^æå•^oÁÐÁÒË CÔ
ÎG	P^æå•^oÁÜāj.*ÁT[å^	Ù]^æà^¦ÁÁAP^æå•^oÁÁÓ[c@
ΪF	Ü^*ãrc^\ÁÛcæáa[}ÁÓÔŠÓÖ	
ΪG	Xan, ÁÚcassái) ÁGÓSCÓ	
ÌF	Xa^,ÁÓÚÁCEåå¦^••Á	OÚÁÚ@}^ÁÁÁÖVOTÁÁÁÚŠVT
ÌG	Xa^,ÁTa&ÁŒaål^••	OÚÁÚ@}^ÁÁÁÖVOTÁÁÐÚŠVT
ÌН	Xa^, ÁÓÚÁÚ@;}^ÁX^¦•ã;}	
Ì€	Þ^ç [ ¦\ ÁÙ^ccā} *	ŒJÂJ^¦æ•
JF	Ù^•¢^{ ÁX^¦•ã¡}	
JG	Ù^∙c^{ÁŒÁÆå¦^••	

## ATTENDANT USER PROGRAM FIXED FUNCTION CODES

USER PGM CODE	USER PGM CODE ITEM DESCRIPTION							
01 SMDR								
€F	ÚÜŒ VÂÛVŒ/Œ/ÞÂĴT ÖÜ	Ùœaái} ÁÜæ)*^						
€FG	ÖÒŠÒVÒÁÙVŒ/QUÞÁÙT ÖÜ	Ùæaā[} ÁÜæ)*^						
€H	ÚÜQÞVÁØQÆŠŠÖÖÁÔQĚŠÁÚTÖÜ							
€I	ÖÒŠÒVÒÁZOEŠÖÖÁÔOŠŠÁÙT ÖÜ							
€Í	€FÍ ÖÒŠÒVÒÁŒŠŠÁÙT ÖÜ							
€Î	ŒÓUÜVÁÚÜŒ VŒ Õ							
02 TRAFFIC								
€Œ	ÚÜQ•VÁ/ÜCE2/2/QÔÁÇVÒÞCEÞVD							

USER PGM CODE	ITEM DESCRIPTION	REMARK
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
	CO VIMID ANNOUNCEMENT	
	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

USER PGM CODE	ITEM DESCRIPTION	REMARK
€ÏI	ØÒŒ/WÜÒÁÔŒPÔÒŠ	Ùœaā[}ÁÜæ)*^
	08 SYSTEM	·
€ÌF	ÖŒŸÐÞÕPVÁÚÜUÕÜŒT	
€ÌG	T U Þ Œ Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú Ú	
€ÌH	ØUÜÔÒÖÁÖÒŠÒVÒÁÔUÞØÁÜUUT	
€ÌI	ÚÚVÚÁÔUÞÞÒÔVØJÞ	Ü^*ãơ\^åÂÙ^¦ç^¦Áp~{à^
	09 USB	
€JF	ÙUØVY ŒÜÒÁNÚÕÜŒÖÒ	
€JG	ÖÓÁÖUY ÞŠUŒÖÁ∕UÁNÙÓ	
€JH	ÖÓÁNÚŠUŒÖÁVUÁNÙÓ	
€JI	XT CÓÁT ÙÕÁÖUY ÞŠUCEÖ	
	0# WTU SUBSCRIBE	•

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## **DEFAULT VALUES**

The following Tables are divided based on PROGRAM groups 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.

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT		
PRE-PROGRAMMED DATA							
PRE-PROGRAMMED DATA	A-8	100	-	-	-		
Nation Code			1	-	1 - max 4 digits		
Site Name			2	-	max 24 chars		
SLOT ASSIGNMENT	A-11	101	-	-	-		
Slot			1	-	2 digits		
DEVS			2	-	2 digits		
LOGICAL SLOT ASSIGN	A-11	103	-	-	-		
COL			1	-	-		
STA			2	-	-		
VMIB			3	-	-		
DECT/IP/SIP Max Port	A-12	104	-	-	-		
Max No of DECT			1	-	8 (000-192)		
Max No of IP Phone			2	-	32 (000-324)		
Max No of SIP Phone			3	-	32 (999-324)		
IP-PHONE/PHONTAGE REG.	A-12	106	-	-	-		
MAC Address			1	-	-		
User ID			2	-	-		
User Password			3	-	-		
Station Number			4	-	-		
IP Address			5	-	-		
F/W IP Address			6	-	-		
RTP Security			7	-	-		

PROGRAM GROUP	ÚÕÂ	ÚÕT Å	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠVÁ		
ÚÜÒËÚÜUÕÜŒ T ÒÖÁÖŒŒ							
ÖVQT ĐÙŠVT ÁÜÒÕÒÙVÜCEVQUÞ	ŒËH	F€Ï	Ë	Ë	Ë		
T ŒÔÁŒåå¦^∙∙			F	Ë	Ë		
Ùæa[a] } ÁÜæ) * ^			G	Ë	Ë		
ÓÚÁŒåå¦^••			Н	Ë	Ë		
ØEYÁQÚÁQEåå¦^••			I	Ë	Ë		
Ü√ÚÁĴ^&`¦ãĉ			ĺ	Ë	Ë		
IP ADDRESS PLAN	O#FI	F€Ì	Ë	Ë	Ë		
ÓÚÁŒåå¦^••			F	Ë	F€ÌF€ÌF		
Ù à}^ơ4(æ)			G	Ë	GÍÍÈGÍÍÈGÍÍÈ€€€		
Ü[ ˇơ\¦ÁQÚÁQĒåå¦^••			Н	Ë	F€ÌF€ÌÉÍI		
Øã^, æ∥ÁÓÚÁŒå¦^••			I	Ë	€ <del>̀̀</del>		
ÖÞÙÁÓJÁŒåå¦^••			ĺ	Ë	€ÈÈÈ		
P <b>È</b> HGHÁ,[¦c			î	Ë	FÏ Œ <b>ÁÇ€€€Ë</b> JJD		
ÙŒÁÚ[¦c		Ï	Ë	̀΀ÁÇ€€€ËJJJD			
ÖPÔÚÁW æ*^			Ë	UØØ			
ÖØØÙÒÜX			J	Ë	€IÁÇ€€EÎHD		
SYSTEM INFO DISPLAY	O⊞FI	F€J	Ë	Ë	Ë		
T ŒÔÁŒåå¦^∙∙			F	Ë	Ë		
ÓÚSVÙÁÚ¦[₫&[ ÁÚ[¦c			G	Ë	Ë		
Ú¦ãçæe^Áp^oÁTæe\			Н	Ë	Ë		
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT		
NUMBERING PLAN							
NUMBERING PLAN TYPE	A-15	110	-	-	-		
Default Numbering Plan Type			-	-	1		
SYSTEM NUMBERING PLAN	A-15	111	-	-	-		
Prefix Code			1	Sys No. Plan Index 001 to	Flex01 - 1		
				150	Flex02 - 2		
				-	Flex03 - 3		
				-	Flex04 - 4		
Prefix Code			1	Sys No. Plan Index 001 to	Flex05 - 5		
				150	Flex06 - 6		
					Flex07 - 7		
					Flex08 - 8		
					Flex09 - 9		
					Flex10 - 0		
					Flex11 - *		
					Flex12 - #		
Additional Digits			2	Sys No. Plan Index 001 to	Flex01 - 2		
				150	Flex02 - 2		
					Flex03 - 2		
					Flex04 - 2		
					Flex05 - 2		
					Flex06 - 2		
					Flex07 - 0		
					Flex08 - 2		
					Flex09 - 0		
					Flex10 - 0		
					Flex11 - 1		
					Flex12 - 2		

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ		
ÞWT ÓÒÜ ŒP ÕÂÛŠŒÞ							
ØŠÒÝ ØŠÒÁÙ VŒ/QU ÞÁP WT ÓÒÜ	O∰Î	FFG	Ë	Ë	Ë		
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OE;}[*}&^{ ^}oÁÚæ*^Á2[¦ÁOEœ^}åæ)c			FH	Ë	ÍIÍ		
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Ō,ơ\}æÁÚæ*^ÁŒ;^¦ÁÇT^^ŒT^ÁÚæ*^D			FÍ	Ë	ÍIÏ		
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Φ,σ\} æ)Ü¢σ\} æ)ÁÚæ* ^ÁŒ			FΪ	Ë	ĺIJ		
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Úặ[ơĒ) ởÔæ ÁØ[¦¸æåÁÔæ)&^			Œ	Ë	ĺ Fĺ		
ÖÞÖÁĴæĕ •ÁÔæ; *^			Œ	Ë	ĺ FÎ		
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
	NUMBE	ERING	PLAN		
Station Speed PGM	A-17	113	26	-	553
Speed Dial			27	-	555
MWI Register			28	-	557
MWI Answer			29	-	558
MWI Cancel			30	-	559
Call Back Register			31	-	518
Call Back Cancel			32	-	519
Group Call Pickup			33	-	564
Direct Call Pickup			34	-	7
Walking COS			35	-	520
Call Parking Location			36	-	541
PGM Mode Access			37	-	521
Two-Way Record			38	-	522
VMIB Access			39	-	523
AME Access			40	-	524
CO Line Access			41	-	888
VM MWI Enable			42	-	*8
VM MWI Cancel			43	-	*9
MCID Request			44	-	*0
Unsupervised Conf Extend			45	-	5##
PTT Group Access			46	-	524
Hot Desk Log In/Log Out			47	-	525
Name Register			48	-	526
Create Conf Room			49	-	527
Delete Conf Room			50	-	528
Wake Up Register			51	-	529
Wake Up Cancel			52	-	530
Temporarily COS Down			53	-	531

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒNŠVÁ
	ÞWT Ó	ÒÜŒÕÁ	ÚŠŒÞ		
Ôæ) &^ Á^{ ] ÁÔUÙÁÖ[ ¸ }	O⊞FÏ	FFH	ÍΙ	Ë	ÍHG
Úæ•, [¦åÁÔ@a)*^			ĺĺ	Ë	ĺНН
Φ,σ\Ε̈́Ú@(}^ÁÕ¦[ˇ]ÁŒ&^••			ĺÎ	Ë	ĺΗ
Ôæ ÁvæãnÁÜ^˘`^∙c			ÍΪ	Ë	ÍHÍ
Ú¦^•^ ^&c^åÁT ÙÕÁÚÕT			ĺÌ	Ë	ÍHÎ
Ø[¦&^åÆræ)å•√^^ÆÔæ			ĺJ	Ë	ĺΗΪ
ÔæļÁÓæ•^åÁÔŠŒ			΀	Ë	ÍÌG
ÔŠŒ&^••			ÎF	Ë	ĺÌΗ
ÔUŠÜÁŒ&^∙∙			ÎG	Ë	ĺÌI
Úặ[ ơÁPˇ } ơĐÔæ			ÎН	Ë	ĺÌÍ
Ô[{{æ};åÁÔæ ÁU}^¸æê			ÎΙ	Ë	ĺÌF
Ô[{{æ};åÁÔæ ÁÔ[}~			îí	Ë	ÍÌ€
Qdˇå^ÁÜ^*ãơ¦			îî	Ë	ĺÌJ
Ôæ{ ]ÁU}ÁÜ^*ã¢\			ÎΪ	Ë	ÍJ€
UPXUÁÜ^*㢦			îì	Ë	ÍJF
T[àāļ^Ápˇ{ÁÜ^*ã;ơ\			ÎJ	Ë	ÍJG
T[àāļ^ÁÔŠŒÜ^*ãrc^¦			Ï€	Ë	ÍJH
T[àã/^Á028&^••			ΪF	Ë	ÍJI
OE;}[~}&^{ ^}oÁsæà ^			ΪG	Ë	ÎÏ€
OE;}[ˇ}&^{ ^}oÁsanà ^Ásan}åÖ¦[]			ΪH	Ë	ÎÏF
Ù^•¢^{ ÆP[ å			ΪΙ	Ë	Í΀
Ü^č¦}ÁP^ åÁÔU			ΪÍ	Ë	ÌΕ
Ù^•ÁT^{ [			ΪÎ	Ë	îïí
ÖQÜQEÁ/[}^ÁÙ^¦ç&&^			ΪΪ	Ë	îïì
O≣ÁØ^æč¦^ÁÔæ) &^			ΪÌ	Ë	ÎÏJ
ŒaåÁÔ[}-ÁT^{ à^¦			ΪJ	Ë	îì€
Ù^•¢^{ ÁQ‡æd{ ÁÜ^•^c			Ì€	Ë	ĺÎÍ
Øæĕ aÁÜḤæk{ÁÜ^•^c			ÌF	Ë	íîî

**DEFAULT VALUES** Appendix C: Quick Reference

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
	NUMBE	ERING	PLAN		
Door Open	A-17	113	82	-	#*1
Keypad Facility			83	-	##*
T-Net Log-In/Out			84	-	586
Universal Answer			85	-	587
Delete All VM Message			87	-	681
VM Page Message Record			88	-	682
Direct VM Transfer			89	-	683
Loop Key			90	-	684
Call Log			91	-	685
ACD Agent Log-In/Out			92	-	500
ACD Agent DND			93	-	501
ACD Agent Word Mode			94	-	502
ACD Agent Auto Work			95	-	503
ACD Agent Auto Answer			96	-	504
ACD Call Indication			97	-	508
Non-ACD Call Indication			98	-	509
ACD Supervisor Group Forward			99	-	890
ACD Supervisor Night			100	-	891
ACD Supervisor Holiday			101	-	892
ACD Supervisor Queued Call Answer			102	-	893
ACD Supervisor Agent State Check			103	-	894
ACD Supervisor Silent Monitor			104	-	895
ACD Supervisor Call Traffic Check			105	-	896
ACDAnnouncement Play & Check			106	-	899
Day/Night/Timed Mode Change			107	-	513
DID/DISA Restriction			108	-	685

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ
	ÞWT Ó	ÒÜ <b>Œ</b> ÕÁ	ÚŠŒ		
CO GROUP ACCESS CODE	ŒF	FFI	Ë	Ë	Ë
CO Group Access Code 01-73				Ë	JÊÂI€FÊÏÏG
ÙVŒ/Œ/ÞÁÕÜUWÚÁÞWT ÓÒÜ	OĦĠG	FFÍ	Ë	Ë	Ë
Ùcaea[}ÁÕ¦[ˇ]Á∈FÁEEAÛcaea[}}ÁÕ¦[ˇ]Ái€				Ë	ÎG€ËÎĴJ
	ÚVŒ/Œ/	ÁÚUÜ\	/ÁÖŒ/Œ		
ÙVŒ/WÞÁYŸÚÒ	OËGH	FŒ	Ë	Ë	Ë
Ùæaaaa } Á/`] ^			F	Ë	Ë
ÖÙÙÁT ŒÚ			G	Ë	Ë
Ù^¦ã∰ŐÙÙ			Н	Ë	Ë
ÙVŒ/WÞÁÚUÜVÁŒ/VÜÓWWÒÙÁQ	OĦĠ	FŒ	Ë	Ë	Ë
OE ([ÁÛ] ^æ\^\ÁÛ^ ^&@[}			F	FKÁU}ÊÆKÁU~	U}
P^æå•^oÁT[å^			G	<b>€KĴ</b> U]^æà^¦	Ù] ^æ\^¦
				FKAP^æå•^c GKAÒæiËTä&	
			Н	€ÁÛ]^æà^¦	Ù] ^æ\^¦
r aav oog			11	FKR^æå•^c	OJ / Ad / 1
				<b>C</b> KÁÓ[ c@	
Õ¦[ˇ] ÆŠãr ơ\} ã; *			I	FKÁU}ÉÆKÁU~	U~-
S^^•^o∕002å{ ä			ĺ	FKÁU}ÊÆKÁU~	U}
Þ[Á/[ˇ&@ÁŒ;•¸^¦			Î	FKÁU}ÊÆKÁU~	U~
P[ ,  ā *Á[ }^			Ϊ	FKÁU}ÊÆKÁU~~	U}
Ö´{ { ^Á/^\{ 4} æ }			Ì	FKÁU}ÊÆKÁU~	U~
Ú[¦ơÁÓ [&\ ā]*			J	FKÁU}ÊÆKÁU~	U~-
W•^ÁÓ `^₫[ œ			F€	FKÁU}ÊÆKÁU~~	U~
ÙŠVÆŠ4^Æ^} * c@			FF	<b>€K</b> ĴÚ@i¦c	Ù@¦c
				FKŠ[}*c GKAØæst	
			FC	O) Đốa	Öãræà ^
			FG	,	•
Ö[[¦ÁU]^}ÁŒ&^••			FH	Ò} Đốã	Öãræà ^

**DEFAULT VALUES** Appendix C: Quick Reference

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT			
S	OITAT	N PORT	DATA					
STATION PORT ATTRIBUTES II	A-25	122	-	-	-			
LCD Language Display mode			1	00: English	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	-			
LCD Language Display Mode			1	14: Russian	English			
LCD Date Display Mode			2	1: MMDDYY 0: DDMMYY	DDMMYY			
LCD Time Display Mode			3	1: 24 Hour Mode 0: 12 Hour Mode	12 Hour Mode			
Backlight Usage						4	0: Always Off 1: Busy Only 2: Always On	Busy Only
IP-8000 Phone Font			5	0: Times New Roman 1: Gothic	Times New Roman			
IP-8000 Phone LCD Brightness			6	01-15	07			
Group Queue Display			7	1: On, 0: Off	Off			

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ
	†WVŒ/WJ	ÁÚUÜV	/ÁÖŒ/Œ		
ÙVŒ/QJÞÁÚUÜVÁŒ/VÜŒ/WÒÙÁŒQ	ŒĜ	FGH	Ë	Ë	Ë
Ú¦ą́ ^Ápˇ{ à^¦			F	€FËÌ	€F
Z[}^Áp*{ à^!			G	FË	F
OEd[{æa&AP[ å			Н	FKÁU}ÊÆKÁU~	U~-
Ò} à [ &\ ÁÖãæ‡ÁT [ å^			I	FKÁU}ÊÆKÁU~	U~-
Qισ\8[{ÁΦ;•¸^¦ÁT[å^			ĺ	FKÁPæ)å•√^^ GKÁ/}^ HKÁÚ¦ãçæ&î	V[ }^
ÖææÆŠãj^ÁÛ^&`¦ãĉ			Î	FKÁU}ÊÆKÁU~	U~-
Ù^}åðj*ÁÚ¦[*¦^••ÁQ}åã&æ€[¦			Ϊ	FKÁU}ÊÆKÁU~	U~-
ØæçÁT[å^			Ì	FKÁU}ÊÆKÁU~	U~-
ÖVT ØÁÔ[}-ã{ ææã[}Á/[}^ÁY @}ÁÜ^åãæ			J	FKÁU}ÊÆKÁU~	U}
T ˇ ơ ÁÜ Ậ ˇ ÁÙ^¦ça&^			F€	FKÁÞ[ÁÜāj* €KÁT čo^ÁÜāj*	T ˇ & ÁÜậ *
CE of ÁG2 ^ÁD^¦ç&B^			FF	FKÁTæ)řæ) €MÁCEd[	Œ Œ
ÙVŒ/QJÞÁÚUÜVÁŒ/VÜÓWWÒÙÁX	OĦĠÏ	FG			
T^••æ*^Ë/æ <b>aa⁄Q</b> åa <b>&amp;æa</b> {}}			F	€MÁP [ OÁOE• ∄ } FHÁÜ ∄ * ÁŠÒÖ GHÁT Y ÁÜ^{ ∄ åÁ/[ }^ HHÁÜ ∄ * ÁŠÒÖÆÉÆT Y Á Ü^{ ∄ åÁ/[ }^	TYÁÜ^{ājåÁ V[}^
C[; ]  ^ AÖã-^!^} cã#AÜā;*			G	€AÁOE ÁÜāj* FKAÞ[¦{æhÁÜāj*	ŒĮÁÜ∄*
Φ, ¢^   &[ { ÁÖã-^   ^} αãα‡ÁÜἦ * ÁΦÖ			Н	€ËĞİ	F
ÔUÁÖã-^¦^} cãṇḍÁÜãj * ÁÖÖ			ı	€ËĞİ	F
ÔUÙÁŒŢ] ^			ĺ	€MÂŬ àËÖÞ FMÁT ^ËÖÞ	Ù à ËÖÞ
P[[\ÁØ æe@ÁV@}ÁV¦æ)•-^¦			Î	€1ÁÔæ) &^ Á\'æ) • ^\ F1ÁÔæ( ] ËUÞ C1ÁÔ[ } ^\^} &^	Ôæj &^ Á\¦æj • -^\

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
	STATION	N PORT	DATA		
Off-Hook On Paged	A-27	124	7	0: Paged 1: Dial Tone	Paged
Preferred Line Answer			8	1: ON, 0: OFF	ON
Pick-Up By DSS Button			9	0: Disable 1: Group Pick-Up 2: Direct Pick-Up	Direct Pick-Up
CTI IP Address			10	0.0.0.0	0.0.0.0
FLEXIBLE BUTTON ASSIGNMENT	A-29	126	-	-	-
Button Type			1	Not Assigned	-
				Station DSS	-
				CO Number	-
				Loop Key	-
				CO Group Access	-
				Sta Grp Number	-
				Dial Number	-
				Directory Number	-
				Redial	-
Button Type			1	Speed	-
				Conference	-
				Mute	-
				Call Back	-
				DND/FWD	-
				Transfer	-
				Flash	-
				PTT	-
Ring Option (Button Type DirectoryNo.)			2	Immediate Ring Delay Ring 1-9 No Ring	-

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ
	#W/WE/W/	ÁÚUÜ\	/ÁÖŒ5/CE		
Ó° α[ } ÁOE&^••Á^`] ^	OĦĠJ	FĞ	Н	€146Ô@e)*^æà ^ F14άΛ}&@e)*^æà ^	Q /8æ~ ^ÁÓ` cc[} Á V^] ^Áa /ÁÖā^&c[¦^ Á Þ`{ à^¦ K CE[ÁÔæ]  Öãæ[Ásæc'¦ Á Ù^ā`¦^ Q&[{ā}*ÁU}]
	ÙVŒ/OJÞÁ	ÞWT Ó	DÜÄÖŒ.	/Œ	
STATION DN ASSIGNMENT	ŒŰF	FH€	F	Ë	Ë
Ùæaa[}ÄÖÞÁ↑]^				FMÁUCIÖÞÁÞ[¦{æ  GHÁTOCIÖÞ HMÁUCIÖÞÉP[æ'^•\Á	Ë
ÖÞÁÞ`{ à^¦ÁXã\¸			G	Ë	Ë
STATION DN ATTRIBUTES I	O⊞F	FHF	Ë	Ë	Ë
Ùcaea[}Árae[^			F	Ë	Ë
\^} æ) α <sup>(</sup> Ö¦[ ັ ]			G	FËJÁÇT ÓÝÁQÚËH€€D FÉJÁÇT ÓÝÁQÚËF€€D	F
ÖâtãaÁÔ[}ç^¦∙ã[}Á/æàa ^			Н	FËJ	F
Úæ•¸[¦å			I	Ë	Ë
Ó°•^ÁÙ^¦çã&^			Í	€HÁÓ • ^Á[}^ FHÁÔæ{]ËU} GHÁÔæ ËYæãc HHÁÚā[αΉP }c	Ó • ^ Á{ } ^
Ô@æ‡*^ÁT[å^			Î	Ø ^^ Ü^][¦c	Ü^][¦c
ÙT ÖÜÁÖãæÁÖðã ãóÁPãåå^}			Ϊ	ÒÞÐÖÒÙ	Öãræà ^
P[cå^•\ÁCE^}oÁp*{à^			Ì	FKÁUÞÉÆKÁUØØ	UØØ
Vã(^ÁVæà ^ÁQ)å^¢			J	Þ[}^ÉÆËJ	Þ[}^
STATION DN ATTRIBUTES II	Œ₽F	FHG			
Ø[¦&^åÆPæn)å•-∜^^ÁOE&&^••			F	ÓÞÐÖÐ	Öãræà ^
Ø[¦,ætåÁCE&A^••			G	ÓÞÐÖÐ	Ò} æà ^
U~}^dË2[¦,æ\åÁOB&^••			Н	ÒÞÐÖÒ	Ò} æà ^

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
S	TATION	NUMBE	R DAT	A	
DND Access	A-31	132	4	EN/DIS	Enable
Intrusion Access			5	EN/DIS	Disable
Mobile Extension Access			6	EN/DIS	Enable
Hook Flash Mode			7	0: Flash Normal 1: Flash Ignore 2: Flash Drop 3: Hold Release	Flash Normal
Auto Pick-Up			8	EN/DIS	Disable
STATION DN ATTRIBUTES III	A-31	133			
CO Queue Access			1	EN/DIS	Enable
Conference Access			2	EN/DIS	Enable
Wake-Up Access			3	EN/DIS	Enable
Station Call Back Access			4	EN/DIS	Enable
ACNR Access			5	EN/DIS	Enable
Absence Notice Access			6	EN/DIS	Enable
Call Wait Access			7	EN/DIS	Enable
Camp-On Access			8	EN/DIS	Enable
Voice Over Access			9	EN/DIS	Disable
Prepaid Call Access			10	EN/DIS	Disable
Keypad Facility Usage			11	EN/DIS	Disable
STATION DN ATTRIBUTES IV	A-31	134			
Speed Access			1	EN/DIS	Enable
Page Access			2	EN/DIS	Enable
Meet-Me Page Access	A-31	134	3	EN/DIS	Enable
CO Call Duration Restrict			4	EN/DIS	Disable
SLT Block Back Call			5	EN/DIS	Disable
Pilot Hunt Ring			6	EN/DIS	Enable
ACR User			7	1: On, 0: Off	Off
Wake-Up Time			8	-	-

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠVÁ
	ÙVŒ/Œ/ÞÁ	ÞWT ÓÒ	<b>Z</b> OÖÀÜ(	/Œ	
Ü^]^æA/æA/ËM]	ŒŰF	FHI	J	FKÁU}ÉÆKÁU~	U~-
Ó¦æ) &@\$Saj^ÁdóÓ¦ãa*^Æ\$aj^ÁT[å^			F€	€1ÁÚ~ F1ÁÓ¦æ)&@ G1ÁÓ¦ãã*^ H1ÁÓ¦ãã*^ËÙ[-d]@[}^	U~-
CEd(ÁÚlãçæ&î			FF	FKÁU}ÉÆKÁU~	U~
ÙVŒ/QJÞÁÖÞÁŒ/VÜÓWWÒÙÁK	Œ <mark>#</mark> F	FHÍ			
ÔŠŒ/ÁÖã]  æ̂			F	Ò} ĐĐã	Ò} æà ^
ÔUŠÚÁÖã]  æ			G	Ò} Đốã	Ò} æà ^
ÔŠŒŰ^åã^&c			Н	ÔŠŒÜ^åã^&c	ÔŠQ
ÔŠŒÚÁY @}ÁUˇ&'[āj*			I	Ò} Đỗã	Öãræà ^
ÔU ŠÚÁY @}ÁQ &[{ā]*ÁQE,•,^}			ĺ	Ò} Đỗã	Öãranà ^
ÔŠŒÁÞ*{ à^¦			Î	Ë	Ë
Ôæ  ÁØ[¦,æ¦åÁÔŠŒÁÜ^åã^&c			Ϊ	ÔŠŒÜ^åã^&c	ÔŠQ
@\{ \^ÁÔæ  ^\q^ÁÔŠŒJÁU]@[}			Ì	Ò} Đốã	Öãræà ^
T [ àΦ̄^ΑΌφσ^} • Φ̄ } ΑΘŠQ			J	Ôæ  ^¦Áπ-ˇ{à^¦ Τ[àã/Áπ-ˇ{à^¦ Ôæ  ^¦ÆÁΤ[àã/^	Ôæ  ^¦Ápˇ{ à^¦
šį}*ÁÔŠŒÁF			F€	Ë	Ë
š[}*ÁÔŠŒÍG			FF	Ë	Ë
šį } * ÁÔŠŒÁH			FG	Ë	Ë
ÔŠŒÞæ{ ^ÁÖã-]  æê			FH	Ò} ĐĐã	Öãræà ^
COS ASSIGNMENT	Œ <mark>F</mark>	FΗΪ	Ë	Ë	Ë
Öæ <b>Á</b> ÔUÙ			F	Ë	Ë
Þã @ÁÔUÙ			G	Ë	Ë
Vą ^åÁÔUÙ	O⊞Ï		Н	Ë	Ë
AUTO DIAL ATTRIBUTE	O⊞Ì	FHÌ	Ë	Ë	Ë
CE q ÁÖãæþÁÖði áic			F	Ë	Ë
Œ đٍÁÖãæÁÚæĕ•^Á/ã; ^			G	<del>€€ÏH</del> EÁÇF•^&D	€€

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
S	TATION	NUMBE	R DAT	Ā	
PRESET CALL FORWARD	A-39	142	-	-	-
Internal Unconditional			1	-	-
Internal Busy			2	-	-
Internal No-Answer			3	-	-
External Unconditional			4	-	-
External Busy			5	-	-
External No-Answer			6	-	-
CALL FORWARD	A-40	143	-	-	-
Forward Type			1	Not Assigned Unconditional Busy No-Answer Busy / No-Answer	Not Assigned
Forward Number			2	-	-
Forward Apply Time			3	0: All 1: Day 2: Night 3: Timed	All
Call-Forward No-Answer Timer			4	000-600	15
Forward Information Display			5	1: On, 0: Off	On
VMIB ATTRIBUTE	A-40	145	-	-	-
VMIB Access			1	En/DIS	Disable
Prompt Language Index			2	1: First 2: Second 3: Third	First
Auto-Record Service			3	En/Dis	Disable
Two-Way Record Access			4	En/Dis	Disable
Two-Way Recording Destination			5	-	-
VM Message Backup Phontage Number			6	-	-
VM Message Backup Delete			7	En/Dis	Disable

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ
Ù	VOE/QUÞÁ	ÞWT ÓÒ	DÜÁÖŒ	Œ	
XT ΦÁT ^••æ* ^ÁÜ^d & ç^ÁΛ*] ^	O⊞́€	FlÍ	Ì	€KŠOOU FKKOOOU	ŠŒU
XΤΟΦΑ΄Φ^, ÁΤ^••æ≛^ΑΦˇ{à^¦			J	Ë	Ë
XT <b>Ο</b> Ó ÁÛæç^å ÁT ^••æ* ^Ápˇ{à^¦			F€	Ë	Ë
XTÁTÙŐËÙTVÚÁTæá‡ÁÙ^¦ç^¦ÁÓÚÁOZåå¦^∙∙					
XTÁTÙÕËW∙^¦ÁTæa¶ÁOTååå¦^∙∙					
XTÁTÙŐËÙTVÚÁTæáJÁÙ^¦ç^¦ÁKÖ					
XTÁTÙŐËÙTVÚÁTæáþÁÙ^¦ç^¦ÁÚæe∙¸[¦å					
XTÁTÙÕËŒæ&@ÁT^••æ*^				FKÁU} ÉÁ€KÁU~~	U~-
TUÓ ŚČÁČÝ VČÞŮ QUÞÁ ÆVVÜ QÓWVČ	O⊞ G	FlÎ			
T[àā[^ÁÔÝVÁRÁÔ]anà ^			F	FKÁU}ÊÆKÁU~	U~-
T[àāļ^ÁÒÝVÁFÁÞˇ{à^¦			G	Ë	Ë
T[àāpÁÒÝVÁFÁÔŠQ			Н	Ë	Ë
T[àā[^ÁÔÝVÁGÁÁÔ]}æà ^			I	FKÁU}ÊÆKÁU~	U~-
T[àāļ^ÁÒÝVÁGÁÁÞˇ{à^¦			ĺ	Ë	Ë
T[àāļ^ÁÒÝVÁGÁÍÔŠQ			Î	Ë	Ë
T[àậ/Á)/^¦çã&/ÁT[å^			Ϊ	€1Á00∏ÁÔæ   F1Á00^¦ç&30^ÁÔŠÓÁU} ^	O∏ÁÔæ
T[àā[^ÁÛ/^¦çã&^ÁÔŠŒÁF			Ì	Ë	Ë
T[àā[^ÁÛ/^¦çã&^ÁÔŠŒÁG			J	Ë	Ë
T[àãإ∧ÁÛ∧¦çã&∧ÁÔŠŒÁH			F€	Ë	Ë
T[àā[^ÁÛ/^¦çã&^ÁÔŠŒÁ			FF	Ë	Ë
T[àā[^ÁÛ/^¦çã&^ÁÔŠŒÁ			FG	Ë	Ë
CO GROUP ACCESS	O⊞ H	FÍ €			
ÔUÁŐ¦[ˇ]ÁŒ&^••				Õ¦[ˇ]Á€FËG	<b>€</b> FÁ[} ^
PAGE GROUP ACCESS	ŒË H	FÍ F			
Úæt^ÁÕ¦[ˇ]ÁO&&^••				Õ¦[ˇ] ÆFËH€	
COMMAND GROUP ACCESS	OĦ I	FÍ G			
Ô[{{æ},åÁÕ¦[ˇ]ÁŒ&&^••			Ë	Õ¦[ˇ]ÆFËF€	

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT				
CO LINE DATA									
CO LINE ATTRIBUTES I	A-45	160							
CO Line Type			1						
Service Type			2	0: Normal 1: DID	Normal				
Outgoing Group Number			3	01-72	01				
Incoming Group Number			4	01-72	01				
Tenant Number			5	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1				
Digit Conversion Table			6	1-9	1				
Signal Type			7	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 Ans 6: Wait Ack & Wait Sub Answer 7: Send Wink and Sub Answer & Wait Wink and Sub Ans	No Signal				
Release Timing			8	0: First Release 1: Caller Release 2: Called Release	First Release				
Incoming/Outgoing Mode			9	0: Incoming 1: Outgoing 2: Both	Both				
Dialing Type			10	0: DTMF 1: Pulse 2: R2	DTMF				
Charge Mode			11	0: Free 1: Report	Report				

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ				
ÔU ÆGO ÒÆOGE/CE									
T^ơ\là,*ÁW•æ*^	O#∄ Í	F΀	FG	Þ[}^ FGSP: FÎ SP: Í €P: ÙÚÜ ÚŰÜ ÞÚÜ ŒUÔÁÇÙŒ; åæååD ŒUÔFÁÇŒ; ÊÛJ æå, D ŒUÔFÁÇŒ; EÛJ æå, D ŒUÔHÁÇŒ; •dæåæÐ ŒUÔHÁÇŒ; •dæåæÐ ŒUÔIÁÇÒ^ *ã{ D ŒUÔIÁÇÒ^ *ã{ D	Þ[}^				
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT				
CO LINE DATA									
CO LINE ATTRIBUTES III	A-47	162							
CO Access Mode			1	0: Blocked Line 1: Normal CO Line 2: Dedicated Line	Normal CO Line				
Digit Sending Mode			2	Overlap Enblock	Overlap				
Max Digit Length			3	00-32	32				
Min Digit Length for Overlap Mode			4	00-32	00				
Check Password			5	1: On, 0: Off	Off				
R2 Connect Mode			6	0: End-to-End 1: Link-by-Link	End-to-End				
R2MFC Backward Value			7	01-15	01				
Dummy Dial Tone Service			8	1: On, 0: Off	Off				
CO LINE ATTRIBUTES IV	A-48	163							
CID Mode			1	0: Disable 1: FSK 2: DTAS FSK 3: DTMF 4: Russia-CID	Disable				
Russia CID Detect			2	1: All / 0: Local	AIII				
Russia CID Request			3	1: Auto / 0: User	Auto				
Russia CID Digit Number			4	04-10	7				
Russia CID No-Answer Timer			5	001-300 (1sec)	20				
Russia CID Request Count			6	1-3	1				
Russia CID Request First Delay Timer			7	010-150 (10msec)	030				
Russia CID Request Retry Delay Timer			8	10-30 (10msec)	10				

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ
	ÔUÆ	OÖAÓ Đ	E/Œ		
INCOMING CO ATTRIBUTES I	O⊞ Ì	FÎ Í	Ë	Ë	Ë
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W} • ˇ ] ^¦çã ^åÂÔ[ } -^¦^} &^ÂÒ¢¢\} å			Н	FKÁU} ÉÆKÁU~	U~

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
CO LINE DATA										
Block After Clear Forward Waiting Time	A-50	166	4	1: On, 0: Off	Off					
CPT Detect			5	1: On, 0: Off	On					
Answer to Waiting Call			6	1: On, 0: Off	Off					
Universal Answer			7	1: On, 0: Off	Off					
Release Guard Time			8	00-15 (1sec)	1					
Unsupervised Conference Timer			9	000-255 (1min)	0					
Clear Forward Waiting Timer			10	001-300 (1sec)	300					
Max Ring Time			11	015-300 (1sec)	120					
DISA Supervision Timer			12	1-9 (1sec)	2					
VMIB Play Delay Timer			13	0-9 (1sec)	0					
Incoming Time Table Index			14	None, 1-9	None					
CO RING ASSIGNMENT	A-51	167	-	-	-					
Day			1	Flex1 - Service Type 0: Ring Assign 1: Feature Code Flex2 - Feature Not Assigned CCR CCR Drop DISA Tone Digits Flex3 - Feature Delay Flex4 - Member Display Flex5 - Member Assign	Ring Assign  Not Assigned  Delay 0  Member 100					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒNŠVÁ
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Vą́ ^å			Н	Ø\¢FÁÄÛ\\;æ&\Á\]^ €\ÁÜā;*ÁŒ•â} F\ÁØ\æ&`¦^ÁÔ[å^ Ø ^¢GÄÄØ^æ&`¦^Á Þ[ơÆ•â}^å ÔÔÜ ÔÔÜÄÖ;[] ÖŌÙOÄ(]}^ Öâ ã• Ø\¢HÄÄØ^æ&`¦^ÁÖ^ æê Ø\¢HÄÄØ^æ&`¦^ÁÕ\$] æê Ø\¢ÍÄÄT^{ à^¦ÁÕē•â}	Ü∄*ÁŒ•ã*} Þ[ơÁŒ•ã*}^å Ö^ æåÆ T^{à^¦ÁÆ€€
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Appendix C: Quick Reference

C-43

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
CO LINE DATA										
Night	A-52	168	2	Flex1 - CO Access From DISA						
				1: On, 0: Off Flex2 - DISA Acct Code	OFF					
				1: On, 0: Off Flex3 - DISA Retry Count	OFF					
				1 - 9 Flex4 - Preset Fwd Time	3					
				0 - 20 (1sec) Flex5 - Preset Fwd Ring Table Index 1 - 80	0					
Timed			3	Flex1 - CO Access From DISA						
				1: On, 0: Off Flex2 - DISA Acct Code	OFF					
				1: On, 0: Off Flex3 - DISA Retry Count	OFF					
				1 - 9 Flex4 - Preset Fwd Time	3					
				0 - 20 (1sec) Flex5 - Preset Fwd Ring Table Index 1 - 80	0					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒ₽ÕÒ	ÖÒØŒVŠVÁ
	ÔUÆ	SORÓ DE	E/Œ		
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C-45

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
CO LINE DATA										
Timed	A-53	169	3	Flex1 - Busy Flex2 - No-Answer Flex3 - Vacant Number Flex4 - Trans 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	Disconnect					
OUTGOING CO ATTRIBUTES I	A-54	170	-	-	-					
ISDN Screen Indicator			1	User Provided, Not Screened User Provided, Verified and Passed	User Provided, Not Screened					
Sending Caller Number			2	1: On, 0: Off	On					
Calling Type			3	0: Unknown 1: International 2: National 3: Subscriber 4: Not Used	National					
Calling No. Plan Identification			4	0: Unknown 1: ISDN Telephy No. Plan 2: Data 3: Telex 4: National Standard 5: Private	Unknown					

PROGRAM GROUP	ÚÕÄ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒNŠVÁ				
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
CO LINE DATA										
OUTGOING CO ATTRIBUTES II	A-57	171	-	-	-					
CPT Detect			1	1: On, 0: Off	On					
Unsupervised Conference Extend			2	1: On, 0: Off	Off					
Provide Ring-Back Tone			3	1: On, 0: Off	Off					
BLF Usage			4	1: On, 0: Off	On					
Release Guard Timer			5	00-15 (1sec)	2					
Unsupervised Conference Timer			6	000-255 (1min)	0					
Max Transfer Ring Timer			7	001-300 (sec)	120					
Outgoing Time Table Index			8	None, 1-9	None					
OUTGOING CO ALTERNATIVE	A-57	173	1	-	-					
Day			1	Flex1 - Recall No-Answer Flex2 - Transfer No-Ans Flex3 - No-Answer 1: Disconnect 2: Attendant 3: CO Ring Assign 4: ALT Ring Table 5: Tone 6: Pilot Hunt Group	Disconnect					
Night			2	Flex1 - Recall No-Answer Flex2 - Transfer No-Ans Flex3 - No-Answer 1: Disconnect 2: Attendant 3: CO Ring Assign 4: ALT Ring Table 5: Tone 6: Pilot Hunt Group	Disconnect					

PROGRAM GROUP	ÚÕÄ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ				
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
CO LINE DATA										
CO-TO-CO ATTRIBUTES	A-60	179	-	-	-					
Station Outgoing Call Transfer			1	EN/DIS	Enable					
Attendant Outgoing Call Transfer			2	EN/DIS	Enable					
Outgoing Transfer Release Type			3	0: None 1: Release After Time	None					
Outgoing Transfer Release Time			4	000-300	60					
Incoming Call Transfer Directly			5	EN/DIS	Disable					
Station Incoming Call Transfer			6	EN/DIS	Enable					
Attendant Incoming Call Transfer			7	EN/DIS	Enable					
Incoming Transfer Release Type			8	0: None 1: Release After Time	None					
Incoming Transfer Release Time			9	000-300 (1sec)	60					
CO GROUP ACCESS CODE	A-61	180		-	-					
Access Code Name			1							
CO Line choice			2	0: Round Robin 1: Last Line 2: First Line	Round Robin					
Outgoing Group Number			3	01-72						
AND Digit			4							
ARS Service			5	1: On, 0: Off	Off					
ARS Digit 1			6							
ARS Digit 2			7							
ALTERNATIVE RING TABLE	A-63	181	-	-	-					
Service Type			1	0: Ring Assign 1: Feature	Ring Assign					
CO Ring Assign			2							

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒ₽ÕÒ	ÖÒØŒNŠVÁ					
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
STATION GROUP DATA										
Greeting Repeat Count	A-65	201	5	000-100	3					
Greeting Repeat Delay Timer			6	000-100 (1sec)	0					
Queuing Tone Type			7	0: Normal 1: Prompt 2: Announcement 3: Internal MOH 4: External MOH	Internal MOH					
Greeting/Queuing Timeout Timer			8	000-300 (1sec)	30					
Queuing Tone Number			9	01-19						
Queuing Prompt/Announcement Table No.			10							
Queuing Repeat Count			11	000-100	3					
Queuing Repeat Delay Timer			12	000-100 (1sec)	0					
STATION GROUP ATTRIBUTES II	A-68	202								
Call-In Greeting			1	0: After Greeting 1: In Greeting						
Max Queue Count			2	00-99						
Forward Type			3	0: Not Used 1: Unconditional 2: Queuing Overflow 3: Time Out 4: Queuing Overflow / Time Out	Not Used					
Apply Time Type			4	0: All 1: Day 2: Night 3: Timed	All					
Forward Destination			5							
Wrap-Up Timer			6	000-600 (100msec)	10					
Member No-Answer Timer			7	50-600 (100msec)	150					
VOICE MAIL GROUP	A-69	203								
Put Mail Index			1	1-9	1					
Get Mail Index			2	1-9	2					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠVÁ
	ÙVŒ/Œ/Þ	<b>Á</b> ÕÜUW	ÚÁÖŒÆ	Œ	
Óˇ•^ <i>Á</i> Qå^¢			Н	FËJ	Н
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			Н	€ΛΆŰ` • ^ FΛΆÜ'^ ັ ` ^ • ΟΑÛ ັ ^ ˇ ∄ * GΛΆÜ'^&[ ç^\¦ÁÔæ	Ó • ^
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Φ·VÒÜÚPUÞÒÆÖÜUWÚ	ŒÏH	ŒIJ	Ë	Ë	Ë
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
STATION GROUP DATA										
Digit '5' Service	A-73	209	1	Station						
Digit '6' Service				Station						
Digit '7' Service				Station						
Digit '8' Service				Station						
Digit '9' Service				Station						
PILOT HUNT GROUP I	A-74	210	-	-	-					
Pilot Hunt Call Service			1	0: All Call 1: Intercom Call 2: External Call	All Call					
Service Type			2	0: Terminal 1: Circular	Circular					
Time Table Index			3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1					
Pilot Hunt Member Assignment			4							
PILOT HUNT GROUP II	A-75	211	-	-	-					
Day Forward Type			1	0: Not Used 1: Unconditional 2: Busy 3: No-Answer 4: Busy/No-Answer	Not Used					
Day Forward Destination			2							
Night Forward Type			3	0: Not Used 1: Unconditional 2: Busy 3: No-Answer 4: Busy/No-Answer	Not Used					
Night Forward Destination			4							

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒ₽ÕÒ	ÖÒØŒNŠVÁ					
ÙVŒ/Œ/Œ										
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Y^àÁÚæ•¸[¦åÁÕˇæ¦åÁVã;^¦		-	FG	FËJJÁÇF{ ã, D	ĺ					
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
Message Wait Alert Tone Timer	A-84	222	2	0-60 (1min)	0					
Inter-Digit Timer			3	0-300 (1sec)	15					
Incoming CO Inter-Digit Timer			4	1-60 (1sec)	15					
SYSTEM ATTRIBUTES	A-85	223	-	-	-					
Web Admin Password Encryption			1	1: On, 0: Off	Off					
Pulse Dial Break/Make Ratio			2	0: 60/40 1: 66/33 2: 50/50	60/40					
Voice Mail SMDI Interface			3	1: On, 0: Off	Off					
VMIB SMTP Port			4	0000-9999	25					
Network Time/Date			5	0: Disable 1: ISND Clock 2: NTP	Disable					
CLI Print			6	1: On, 0: Off	Off					
TLS for Web			7	1: On, 0: Off	Off					
Web Server Port			8	00001-65535	80					
Database Auto USB Download			9	1: On, 0: Off	Off					
Database Auto USB Download Hour			10	00-23	0					
UC Server IP Address			11	IP Addr	0.0.0.0					
CTI Server IP Address			12	IP Addr	0.0.0.0					
Modem Associated CO Line			13	CO Number	0					
IP Phone Registration by STA Number			14	1: On, 0: Off	Off					
Analog Line Busy Tone Detection Times			15	3-9						
Analog Line Error Tone Detection Times			16	3-9						
PSU Fan Alarm			17	1: On, 0: Off	On					
Line Fault Alarm			18	1: On, 0: Off	On					
Traffic Operation			19	1: On, 0: Off	Off					
Enhanced VM Features			20	1: On, 0: Off	On					
SYSTEM PASSWORD	A-86	226	-	-	-					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒ₽ÕÒ	ÖÒØŒVŠVÁ				
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
Internal Music Type	A-88	229	2	Romance Turkish March Green Sleeves Fur Elise Carmen Waltz Pavane Sichiliano Sonata Spring Campanella Badinerie Blue Danube	Romance					
VMIB MOH 1 Assignment			3	Announcement						
VMIB MOH 2 Assignment			4	Announcement						
VMIB MOH 3 Assignment			5	Announcement						
VMIB MOH 4 Assignment			6	Announcement						
SLT MOH 1 Assignment			7	Station						
SLT MOH 2 Assignment			8	Station						
SLT MOH 3 Assignment			9	Station						
SLT MOH 4 Assignment			10	Station						
SLT MOH 5 Assignment			11	Station						
RS-232 SETTING	A-89	230								
Baud Rate			1	1: 9600 Baud 2: 19200 Baud 3: 38400 Baud 4: 57600 Baud 5:115200 Baud	115200 Baud					
Page Break			2	1: On, 0: Off	Off					
Line Per Page			3	001-199	66					
XON / XOFF			4	0: XOFF 1: XON	XOFF					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒ20E/VŠVÁ				
ÙŸÙÜÒT ÆÖŒÆŒ									
ÙÒÜ <b>@ŠÁÚ</b> UÜVÁÙÒŠÒÔV <b>Q</b> IÞ	ŒŰ€	G <del>-F</del>							
U} ËŠĄ ^ÁĴT ÖÜÁۦĄ c			F	€MÂU^¦ãæþÁÚ[¦c FMÁT[å* ÁÚ[¦c GMÁVÔÚÁF HMÁVÔÚÁG IMÁVÔÚÁH ÍMÁVÔÚÁ ÎMÁVÔÚÁ	Ù^¦ãæ∳ÁÚ[¦c				
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
Trace Print	A-90	231	6	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port					
ADMIN Data Print			7	0: Serial Port 1: Modu Port 2: TCP 1 3: TCP 2 4: TCP 3 5: TCP 4 6: TCP 5	Serial Port					
SMDR ATTRIBUTES	A-91	232								
SMDR Save Enable			1	1: On, 0: Off	Off					
SMDR Print Enable			2	1: On, 0: Off	Off					
Record Type			3	0: All Call 1: Long Distance	All Call					
Long Distance Call Digit Counter			4	07-15	07					
Print Incoming Call			5	1: On, 0: Off	Off					
Print Lost Call			6	1: On, 0: Off	Off					
SMDR Currency Unit			7							
SMDR Cost per Metering Pulse			8							
SMDR Fraction			9	0-5	0					
SMDR Transfer Charge Mode			10	0: Individual 1: Integrate Transferring 2: Integrate Transferred	Individual					
SMDR Attendant Charge Mode			11	0: Normal Charging 1: Attendant Charging 2: Transferred Charging	Normal Charging					
SMDR Dialed Digit Hidden Number			12	0-9	0					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÕÒ	ÖÒØŒNŠVÁ					
ÙŸÙÜÒT Á֌ƌ										
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
NTP Primary Server Address										
NTP Secondary Server Address										
Standard Time Zone	A-94	233	-	-	-					
LED FLASHING RATE	A-95	234	-	-	-					
[CALLBK] Intercom			1	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 30 IPM					
[CALL BK] CO Line			2	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 120 IPM					
[CALL BK] MSG Wait			3	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 120 IPM					
[MUTE] Transmission			4	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[MUTE] COS Change			5	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 120 IPM					
[DND] DND			6	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[DND] One-Time			7	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 60 IPM					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ																						
ÙŸÙÜÒT ÆÖŒÆ																											
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ŽÙÚSáÁŪJ^æà^¦Á			F€	<pre>Ø/^¢FixtO[ [:'Á Ü/^åAbbTO:'^/}AbbTOE_à^:Á Ø/^¢GxtØ æ=@ Ø/æ=@AU~AbbU}AbbTUT</pre>	ÜÒÖ Ø æ @ÁÚ¢^æå^																						
ŽÙÚSÁP^æå•^oÁ			FF	<pre>Ø ^¢FkKÔ[ [¦Á Ü^åÁnÁѦ^^}ÁnÁŒ;à^¦Á Ø ^¢GkKØ æ@ Ø æ@Áu~ÁnÁU}ÁnÁMÚT</pre>	ÜÒÖ Ø æ•@NUc^æå^																						
žÙÚSáÁQ,&[{āj*ÁÔæ Á			FG	<pre>Ø/^¢FkfÖ[ [¦Á Ü/^åÁmáÖ¦^^} ÁmáOE; à^¦Á Ø/^¢GkfØ æ@ Ø æ@ÁU~ÁmáU} ÁmáOT</pre>	ÜÒÖ ΀ÁÓÚTÁ																						
ŽPUŠÖáÁÚæť ðj. * Á											FH	Ø ^¢FkÓÖ[ [¦Á Ü^åÁnáÖ¦^^}ÁnáOE;à^¦Á Ø ^¢GkóØ æ•@ Ø æ•@ÁU~ÁnáU}ÁnáOÚT	ÜÒÖ ΀ÁÓÚTÁ														
ÃEPUŠÖáÁK[ã&^ÁJç^¦Á																											
ŽPUŠÖáÁÜ^∙^¦ç^åÁ								FÍ	<pre>Ø ^¢FkfÔ[ [¦Á Ü^åÁnÁÕ;^^}ÁnÁOE[à^¦Á Ø ^¢GkfØ æ@ Ø æ@ÁU~ÁnÁU}ÁnÁÓUT</pre>	ÜÒÖ ΀ÁQÚTÁ																	

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
[RING] ICM Ring	A-95	234	16	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 60 IPM					
[RING] CO Ring			17	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 60 IPM					
[RING] MSG Wait			18	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 60 IPM					
[HEADSET] Headset			19	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[HEADSET] Bluetooth			20	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 60 IPM					
[DN] I Use			21	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[DN] Other Use			22	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[DN] DND			23	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash off					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ																
	ÙŸÙ	ÜÒT ÁÖ(	DE/CE																		
ŽÖÞáÁQ,8[{ā,*ÁÔæ  Á	OÆJÍ	Э	G	Ø ^¢FkÁÔ[ [¦Á Ü^åÁÁŐ;^^}ÁÁÓE[à^¦Á Ø ^¢GÁØ æ@ Ø æ@ÁJ~ÁÁJU}ÁÁÁÚT	ÜÒÖ ΀ÁÓÚT																
ÃÖÞáÁP[ åÁ			Ü^åÆ Ø ^¢G	<pre>Ø/^¢FkfÔ[ [¦Á Ü/^åÁbáÖ¦^^}ÁbáOt[à^¦Á Ø/^¢GkfØ]æ@ Ø/æ@ÁU~ÁbÁU}ÁbÁOÚT</pre>	ÜÒÖ ΀ÁOÚTÁ																
ŽÖÞáÑÔæ∥ÁØ[¦¸æ¦åÁ				Ğ	Ø ^¢FkfÔ[ [¦Á Ü^åÁÐŐ¦^^}ÁÐÓĘà^¦Á Ø ^¢GkfØ æ@ Ø æ@ÁU~ÁÐÁU}ÁÐÓÚT	ÜÒÖ Ølæ @k ~Á															
ŽÖÞáÑÓ[}-^¦^}&^Á			Ğ	Ø/\psi FKÔ[ [¦Á Ü\\\^\aand\overline{\Omega}\ove	ÜÒÖ Ø æ @ÁÙ&æå^																
ĬÖÞáÁJc@¦ÁÔ[}-^¦^}&^			Ġ	<pre>Ø/^¢FkfÔ[ [¦Á Ü/^åÁxÁÕ;^^} ÁxÁŒ; à^¦Á Ø/^¢GkÁØ]æ@ Øæ@Áv~ÁxÁU} ÁxÁÚT</pre>	ÜÒÖ Ø æ•@ÁUc^æå^																
ŽÖÞá∕Ô[}-ÂÛ*]^¦çã[¦Á											GJ	Ø ^¢FkÁÖ[ [¦Á Ü^åÁnÁÖ¦^^}ÁnÁŒ;à^¦Á Ø ^¢GkÁØ æ@ Ø æ@ÁU~ÁnÁU}ÁnÁÓÚT	ÜÒÖ Î €ÁÓÚT								
žÖÙÙáÁQ &[{ ā, * ÁÔæ  Á							-														
ŽÖÙÙÁÁÓÓTÁÆA∖Á			HF	<pre>Ø/^¢Fkfô[ [¦Á Ü/^åÁnÁÖ;^^}ÁnÁÓE[à^¦Á Ø/^¢GkfØ]æ@ Ø æ@ÁU~ÁnÁU}ÁnÁÓUT</pre>	ÜÒÖ Ø æ @ÁU¢^æå^																

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
DSS] DND	A-95	234	32	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash off					
[DSS] Call Forward			33	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash off					
[DSS] Handset-Lift			34	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash off					
[DSS] Preselected MSG			35	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash off					
[DSS] Hold			36	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[CO] Call Setup			37	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 60 IPM					
[CO] Co Talk			38	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED Flash Steady					
[DN] VM Message Wait			39	Flex1: Color Red / Green / Amber Flex2: Flash Flash Off / On / IPM	RED 120 IPM					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ					
ÙŸÙÜÒT ÁÖŒÆÆ										
ŽÖÙÙÁÁKT ÁT^••æt^ÁY æãnÁ	ŒÚÍ	GHI	I€	<pre>Ø/¢FkfÖ[ ['!Á Ü/åÁpöÖ!/^}ÁpóOE[à^!Á Ø/¢GHÓØ]æ@ Øæ@ÁU~ÁpóU}ÁpóOUT</pre>	ÜÒÖ FG€ÁÓÚTÁ					
ŽÔ∪áÁÔ[{{ æ) å ÁÕ¦[ˇ]ÁÜāj*			IF	Ø/¢FKÓÖ[ ['¦Á Ü^åÁBÖÖ;^^}ÁBÖOE[à^¦Á Ø/¢GHÓØ]æe@ Øæe@ÁU~ÁBÓU}ÁBÓOÚT	ÜÒÖ ΀ÁNÚT					
ŽÔ∪áÁÔ[{{ æ), å, ÃÕ¦[ˇ]Á /æ4∖Á			ΙG	Ø^¢FkfÖ[ ['¦Á Ü^åÁnnÖ';^^}ÁnnÓE[à^¦Á Ø ^¢GkfØ æ=@ Ø æ=@ÁU~ÁnnÓUT	ÜÒÖ Ø æ•@ÁÙ¢^æå^					
ŽÔU á¥QÁ√æ∤\ Á			ΙΗ	<pre>Ø/¢FkfÖ[ [' Á Ü^åÁnnö' ^^}Ánnönet à^ Á Ø/¢GkfØ æ@ Ø æ@ÁU~ÆndU} Ánnfout</pre>	ÜÒÖ Ø æ•@ÁÙ¢^æå^					
<b>ž</b> Ô∪ <i>á</i> ÍP[  å			11	<pre>Ø/¢FkfÖ[ [' Á Ü/å/fafÖ; ^} AbafOE[ à^ Á Ø/¢GHÁØ]æ@ Øæ@AU~AfafU} AfafOÚT</pre>	ÜÒÖ ΀ÁQÚTÁYĀj∖					
ŽÔU ÁV¦æ) • -^¦Á			ΙÍ	Ø ^¢FkfÔ[ [¦Á Ü^åÁĐÔ; ^}ÁĐÔĘ à^¦Á Ø ^¢GkfØ æ@ Ø æ@ÁU~ÁĐÁU}ÁĐÁOÚT	ÜÒÖ FG€ÁÐÍT					
žÔ∪áÁÜ^&æ∥Á			ΙÎ	<pre>Ø/¢FkfÖ[ ['!Á Ü/åÁpöő';^/}Ápóūt à^!Á Ø/¢GHóØ æ@ Ø æ@åU~ÁpáU} Ápóú T</pre>	ÜÒÖ IÌ€ÁÓÚTÁAQĭœ^¦					
Ü^∙^¦ç^åÆÁ			ΙÏ							
Ü^∙^¦ç^åÆG			ΙÌ							
Ú[ ā] dĒ[ ĒÚ[ ā] ơÁÚ¦[ d[ &[	Ë	СНÍ	Ë	Þ[ơÂŬˇ]][¦ơ\å	Ë					
T U Ó CŠÒ Á OE / V Ü CÓ W Ò Ù	ŒË€€	ЭĤ								
T[àã/Áq]æ @ÁÖããc			F	Tæ¢ÁGÁÖðt ác	Е					
T[àā[^ÁQ]]ˇoÁVā[^			G	€FËŒ	ĺ					

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
INTERCOM BUSY DIGIT	A-101	237	-	-	-					
Step Call	A-101	237	1	EN/DIS	Disable					
Digit '1' Service			2	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign					
Digit '2' Service			3	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign					
Digit '3' Service			4	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign					
Digit '4' Service			5	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ
	ÙŸÙÜ	JÒT ÁÖC	Æ/Œ		
Öði áð Á gÁV ¦çðik			Î	€ 160 [ cÁ0 [ • 2 ] F 160 [ cÁ0 [ • 2 ] C 160 [ • 2 ] H 160 [ • 2 ] I 160 [ • 2 ] I 160 [ • 2 ] I 160 [ • 2 ] I 160 [ • 2 ] I 160 [ • 2 ]	Þ[ oÁQ <b>ē•</b> ðî}
Öði áð Á QÁÚ^¦çðð Á	Œ∓€F	GНÏ	Ϊ	€ 1 (	Þ[ oÁQ <b>ē•</b> ðî}
Öði ðav¥ qÁù^¦çð&^Á			Ì	€ÁÞ[ cÁŒ•ã*} FKÁÔæ EÓæ&\ GKÁÔæ  ĒÜ} HKÁÔæ ÁYæãc IKÁK[ ā&^ÁUç^! ÍKÁQd`•ã;}	Þ[oÁQē•ã}
Öði ðaðik qhûv¦çðavÁ			J	€MÁP [ CÁOE • ª } FHÁÔ æ  EÓ æ&\ GHÁÔ æ  - EÚ } HHÁÔ æ  ÁY æãc I HÁK [ 38^ÁU ç^! Í HÁQ d` • ã; } Î HÁP` } c	Þ[oÁQē•ãt}
Öði ðáð Þeg gráfu þág var á va			F€	€MÉP [ CÁDE • 2ॉ } FMÉP [ CÁDE • 2ॉ } FMÉP 24   ÉÚASAN CHÁP 24   ÉÚJ } HMÉP 24   ÁÚJ ÇP   Í MÁP 3 † C	Þ[oÁQ≣•ãt}

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
SYSREM DATA										
Digit '*' Service			12	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign					
Digit '#' Service	A-101	237	13	0: Not Assign 1: Call-Back 2: Camp-On 3: Call Wait 4: Voice Over 5: Intrusion 6: Hunt	Not Assign					
DIAL-TONE DIGIT TABLE	A-101	240	1	-	-					
Dummy Dial-Tone Digit				Max 6 Digits	-					
EXECUTIVE / SECRETARY ASSIGN	A-102	241	-	-	-					
Executive Number			1	Station	-					
Secretary 1-3			2	1-3 Station	-					
ICM Call to Exec.			3	0: Secretary 1: Sec if Exec DND	Secretary					
CO Call To Exec.			4	0: Secretary 1: Sec if Exec DND	Secretary					
Call Executive			5	0: Off 1: First Sec DND 2: All Sec DND	Off					
Sec. Choice			6	0: First Idle 1: Longest Idle	First Idle					
Message Wait Station			7	0: Executive 1: First Secretary	Executive					
EXECUTIVE ACCESS	A-103	242	-	-	-					
Executive / Executive Access				Each Exec EN/DIS	All Disable					
PPTP ATTRIBUTES	Web	Only	-	-	-					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ					
VŒÔŠÒÆÖŒ/Œ										
ÚÚVÚÁÙ^¦ç^¦ÁŒåå¦^••	Y ^à	U} ^		Tæ¢ÁHGÁÔ@						
ÚÚVÚÁÖ				Tæ¢ÁGIÁÔ@						
ÚÚVÚÁÚæ•, [¦å				Tæ¢ÁGIÁÔ@						
ÚÚVÚÁU^¦ç&AÁÔŠŒÁ				Tæ¢ÁGHÁÔ@						
VU ŠŠÁÒÝ ÔÒÚ VOU ÞÁ VŒÓ ŠÒ	Œ <del>Ë</del> €H	ď€								
O‡∥, Ávæà ^ÁÇQå^¢Á€€FËF€€D			F	Tæ¢ÁFÎÁÖðããø•						
Ö^}^Áæà ^ÁÇQå^¢Á€€FËF€€D			G	Tæ¢ÁFÎÁÖðãða•	Ë					
DIGIT CONVERSION TABLE	ŒË€	Я́F	Ë	Öðið ðóð [}ç^¦•ði[}Á/æða ^ÁnFÉJ Òæ&@Á/æða ^ÁQD,å^¢Á€€FËH€€	Ë					
Cţ] ^Á/ą ^Á/]^			F	€1ÁW, &[}åããā[}æ F1ÁØZ[  [, Öæ:150-à ®250/ā[^å C1ÁØZ   [, ÁŠÔÜ	W}&{}åããã{}æ‡					
Öãæ∮^åÆÖðããc			G	Tæ¢ÁFÎÁÖðtða•	Ë					
W}&[}åãããi}a⇔ÁÔ@æ)*^åÁÖātãc			Н	Tæ¢ÁFÎÁÖðtða•	Ë					
Öæ ÁÔ @ * ^ å ÁÖ ð ãc			I	Tæ¢ÁFÎÁÖðãða•	Ë					
Þat @AÔ@a)*^åAÖatac			ĺ	Tæ¢ÁFÎÁÖðtða•	Ë					
Vã( ^åÁÔ@a) *^åÁÖãtãc			Î	Tæ¢ÁFÎÁÖðtða•	Ë					
Öæ FË/ā, ^FÁÔ@e) *^å ÁÖð ãÁ			Ϊ	Tæ¢ÁFÎÁÖðãða•	Ë					
Öæ FË/ā, ^GÁÔ@e)*^å ÁÖð ãnÁ			Ì	Tæ¢ÁFÎÁÖðãða•	Ë					
Öæ FË/ã( ^HÁÔ@e) * ^ å ÁÖðið ãnÁ			J	Tæ¢ÁFÎÁÖðãæ•	Ë					
Öæ GË/ã, ^FÁÔ@e) *^å ÁÖði ãnÁ			F€	Tæ¢ÁFÎÁÖðãæ•	Ë					
Öæ GËVã ^GÂÔ@e) * ^ å ÁÖð ãnÁ			FF	Tæ¢ÁFÎÁÖðãæ•	Ë					
Öæ GËVã ^HÁÔ @e) * ^ å ÁÖð ãaÁ			FG	Tæ¢ÁFÎÁÖðãæ•	Ë					
Öæ HË Jã ^FÁÔ @e) * ^ å ÁÖ ðð ãnÁ			FH	Tæ¢ÁFÎÁÖðãæ•	Ë					
Öæ HË /ā ^GÁÔ @ *^å ÁÖð ã Á			FI	Tæ¢ÁFÎÁÖðtãæ•	Ë					
Öæ HË/ā, ^HÁÔ @æ; *^å ÁÖð ãÁ			FÍ	Tæ¢ÁFÎÁÖðãða•	Ë					
DIGIT CONVERSION OPTION	ŒË€Î	ď G	Ë	ÖãtãoÁÔ[}ç^¦•ã[}Á/æà ^ÁnEÜ	Ë					
Öã ]  æ ÁÔ[ } ç^¦•ã[ } ÁÖð ãc			F	FKÁU}ÊÆKÁU~	U~-					
Ú¦āj ơỚÔ[ } ç^¦•āj } ÁÖði āc			G	FKÁU}ÊÆKÁU~	U~-					

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
TABLE DATA										
SYSTEM TIME TABLE	A-107	253		System Time Table 1-9						
Time Zone Comment			1	Max 32 Chars						
Time Zone			2	System Time / GNT Time						
Daylight Saving Time			3	1: On, 0: Off	Off					
Ring Mode			4	0: Day 1: Night 2: Timed	Day					
Auto Ring Mode			5	1: On, 0: Off	Off					
WEEKLY TIME TABLE	A-108	254								
Monday			1	Flex1: Day Start Time Flex2: Night Start Time Flex3: Timed Start Time Flex4: Timed End Time Flex5: Work / Holiday	09:00 18:00 Workday					
Tuesday			2	Flex1: Day Start Time	09:00					
				Flex2: Night Start Time Flex3: Timed Start Time Flex4: Timed End Time Flex5: Work / Holiday	18:00 Workday					
Wednesday			3	Flex1: Day Start Time Flex2: Night Start Time Flex3: Timed Start Time Flex4: Timed End Time Flex5: Work / Holiday	09:00 18:00 Workday					
Thursday			4	Flex1: Day Start Time Flex2: Night Start Time Flex3: Timed Start Time Flex4: Timed End Time Flex5: Work / Holiday	09:00 18:00 Workday					
Friday			5	Flex1: Day Start Time Flex2: Night Start Time Flex3: Timed Start Time Flex4: Timed End Time Flex5: Work / Holiday	09:00 18:00 Workday					

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÖŒĐÕÒ	ÖÒØŒNŠVÁ						
	VOEÓŠÒÁÖOE/CE										
Ùæc ¦åæê			Î	Ø ^¢FKNÖæ ÁÙædoÁ/ā ^ Ø ^¢GKn⊅ā @ÁÙædoÁ/ā ^ Ø ^¢HKn√ā ^åÁÙædoÁ/ā ^ Ø ^¢IKÁ/ā ^åÁÒ}åÁ/ā ^ Ø ^¢IKÁ/[¦\ÁÁP[ ãáæ	<b>€€1€€</b> P[ ããæê						
Ù´ } åæ̂			Ϊ	Ø^¢FKÖæ ÁÙædcÁ/ą ^ Ø ^¢GKÁpā @ÁÛædcÁ/ą ^ Ø ^¢HKÁ/ą ^åÁÙædcÁ/ą ^ Ø ^¢IKÁ/ą ^åÁÒ}åÁ/ą ^ Ø ^¢IKÁY [¦\ÁbÁP[ ãáæ	€6 <b>/€</b> € P[ ããæê						
šôüá/q òá/qóšò	O∰€J	ďί		ŠÔÜÁVĄ ^ÁÆÀI/^ÁFĖJ							
Öæ Æ[}^ÁÖ^-āj ããāj}       T[} åæê       V^^•åæê       Y ^å}^•åæê       V@ ¦•åæê       Ølããæê       Ùæc 'låæê       Ù"} åæê			F	Z[}^FÁÁZ[}^GÁÁZ[}^H	Z[ } ^Æ Z[ } ^Æ Z[ } ^Æ Z[ } ^Æ Z[ } ^Æ Z[ } ^Æ Z[ } ^Æ						
Öæ ÁZ[}^ÁFÁ			G	Ø^¢FkÁVã ^ÁZ[}^F Ø ^¢FkÁVã ^ÁZ[}^G Ø ^¢FkÁVã ^ÁZ[}^H	€€Æ€						
Öæ ÁZ[}^ÁG			Н	Ø ^¢FkÁVą ^ÁZ[}^F Ø ^¢FkÁVą ^ÁZ[}^G Ø ^¢FkÁVą ^ÁZ[}^H	€€Æ€						
Öæ ÁZ[}^ÁHÁ			I	Ø^¢FKÁVą ^ÁZ[}^F Ø ^¢FKÁVą ^ÁZ[}^G Ø ^¢FKÁVą ^ÁZ[}^H	€€€€€						
PUŠŒŒÁŒÓÔ	OËF€	ďÎ		P[ aãa aê Á 2aaà ^ÁrË Òaa& QÁ 2aaà ^ÁQ å^¢Á∈FÉÍ€							
Š`}æl/Ôæl^}åæl			F								
P[ ãaæîÁÖæe^\			G								
ÙŸÙVÒT ÁÙÚÒÒÖÁÖŒŠ	ŒF€	ďΪ	Ë	Ù]^^åÁÖãæфÁ⁄æà ^ÁQå^¢Á Œ€€ÁÁHUJJ	Ë						

Appendix C: Quick Reference

C-73

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
TABLE DATA										
System Speed Dial	A-110	257	1	Max 32 Digits						
System Speed Name			2	Max 16 Ch						
Toll Free			3	1: On, 0: Off	Off					
Tenant Number			4	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1					
EMERGENCY CODE TABLE	A-111	258		Emergency Table Index 01-50						
Dialed Digit			1	Max 16 Digits						
Changed Digit			2	Max 16 Digits						
Tenant Number	A-111	258	3	1-9 (MBX IP-300) 1-5 (MBX IP-100)	1					
ANNOUNCEMENT TABLE	A-111	259		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						

PROGRAM GROUP	ÚÕÁÀ	ÚÕTÁ	ÓVÞ	ÜŒĐÕÒ	ÖÖØŒVŠVÁ
ÔÔÜÁ/ŒÓŠÒ	ŒFG	Ĝ€		ÔÔÜÁ⁄æà ^ÁQå^¢Á€€FЁF€€	
Öâ ão¥Fq			F	Þ[ (ÁŒ•ã) Ùææā] } ÁÞ ` { à^ ! Ùææā] } ÁŌ![ ` ] ÔÔÜ ÁŌ![] Ùˆ•æ^{ ÂŪ] ^^å Ô[ } -^!^} &^ÁÜ[ [ { Œ²^} åæ) ởÔæ  XT ŒÁŒ&*•• Þ^ç [ !\ ð] * ÁÞ ` { Öã ãe	Þ[ Ó <b>(CE•</b> ∄}
	VOEĆ	ŠÒÄÖŒ	/Œ		
Öât ãiÁ-Gq			G	Þ[ơÑŒ•ã*} Ùææã[}Áp~{ à^\ Ùææã[}ÁÖ\[~] ÔÔÜ ÔÔÜÄÖ\[] Ù^•æ^{ÂÛ]^^å Ô[}-^\^\$8^ÁÜ[[{ Œœ^}åæa; ơÔæ  XTŒMOME&&^•• Þ^c [\\ā,*Áp~{ Öããe	Þ[oÁ <b>©</b> •ā*}
Öât ão <del>Ú-l</del> q	ØËFG	Ğ€	Н	Þ[ơÁŒ•ã*} Ùææã;}ÁÞˇ{à^¦ Ùææã;}ÁÕ;[ˇ] ÔÔÜ ÔÔÜÄÖ;[] Ùˆ•æ^{ÂÛ]^^å Ô[}-^!^}&^ÄÜ[[{ Œc^}åæ;oÁÖæ  XTŒÁB&^•• Þ^ç[¦\ã,*ÁÞˇ{ Öããe	Þ[oÁŒ•ã*}

C-75

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Digit '4'			4	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign
	TAE	BLE DA	ГА		
Digit '5'			5	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign
Digit '6'	A-112	260	6	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒVŠVÁ
Öât ão∕¥ q			Ï	Þ[ơ⁄OŒ•ª*} Ùææð[}Ár~*{ à^! Ùææð[}Ár~*[*] ÔÔÜ ÔÔÜÁÖ![] Ù^•æ^{ ÁÛ]^^å Ô[}-^!^}&^ÁŬ[[{ Cœ^*}åæ;ơÓæ  XT ŒÁOE&*•• Þ^ç [!\ð]*Ár~{ Öð ãæ•	Þ[oÁŒ•â*}
	VOE	)ŠÒÁÖŒ	Z/Œ		
Öâf ão∕¥ q			ì	Þ[ơớŒ•ª³} Ùææã[}ÁÞ°{ à^¦ Ùææã[}ÁÖ![°] ÔÔÜ ÔÔÜÁÖ![] Ù°•æ^{ ÁÛ]^^å Ô[}-^!^}&^ÅÜ[[{ Œc^}åæ;ơీÔæ  XT ŒÁŒ&*•• Þ^ç [!\ð;*ÁÞ°{ Öð ãæ•	Þ[oÁQ <b>ē•</b> â*}
Öðt áðÁd q	Œ∓FG	Ğ€	J	Þ[ớOŒ•ã} Ùơæã¡ Ápˇ { à^¦ Ùơæã¡ } ÁŌ![ˇ] ÔÔÜ ÔÔÜÁÖ![] Ùˆ•æ { ÁÛ]^^å Ô[}→¹^}&^ÁÜ[[{ Œc^} åæ) ơÓæ  XT ŒÁŒ&*•• Þ^ç [¦\ã,*Ápˇ { Öããe	Þ[ <b>ÓÐ</b> •∄}

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Digit '0'			10	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign
	TAB	LE DA	ГА		
Digit '*'			11	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign
Digit '#'	A-112	260	12	Not Assign Station Number Station Group CCR CCR Drop System Speed Conference Room Attendant Call VMIB Access Networking Num Digits	Not Assign
ICLID TABLE	A-113	262		ICLID Tble Index 001-250	
ICLID Number			1	Max 24 Digits	
ICLID Name			2	Max 16 Ch	

PROGRAM GROUP	ÚÕÂ	ÚÕT	ÓVÞ	ÜŒÕÒ	ÖÖØŒNŠVÁ
Q,&[{āj,*ÁÔ∪ÁÕ¦[ˇ]Ápˇ{à^¦			Н	FË G	
Öæ ÁQå^¢			I	FË€	
Þ <b>ã @⁄Q</b> å^¢			ĺ	FË€	
Vã ^åÁQå^¢			Î	FËÂi€	
V^}a—)oÁp*{à^¦			Ϊ	FËIÁÇT ÓÝÁQÚËH€€D FËIÁÇT ÓÝÁQÚËF€€D	F
ÔŠŒĴUÞXÒÜÙŒÞÁŒĎŠÒ	O⊞FI	ďН		ÔŠŒÁvæà ^ÁFËJ Òæ&@Ávæà ^ÁQ\å^¢Á€FÉÍ€	
U¦ātāja pÁÔŠQ			F	Tæ¢ÁGIÁÖðããe	
	VOE	ĎŠÒÁÖŒ	E/Œ		
Ô[ } ç^¦&å <b>Á</b> ÔŠQ			G	Tæ¢ÁG ÁÖð ão	
VU Þ ÒÁQÜ ÒÛ WÒÞ ÔŸ ĐĐÔ ŒÔ ÒÞ Ô ÒÁ VŒÓ ŠÒ	ŒFI	Œ١		Y^àÁOGå{ ā,ÁU} ^	
FJÁ/[}^ÁÚ[`¦&^ÁsrÁsrÁsr^4]^åÁ, āt@lÓæ&@Á Øl^``^}& ÁsrÁGæå^}&^ÈÁU^^Á/[}^ÁÚ[¦œÁæà /	\È				
ÜOÇŐÁ/OEÓŠÒ	Œ∰FÍ	Ġί		Y^àÁOCå{ ã,ÁU} ^	
Þ[¦{ æþÁÔæþÁÜā;*ÁÇÙææā[}D			F	F <sup>* dq</sup> Ü寡 * ÁÚ[ ¦ d东臣í G <sup>à l</sup> Ü寡 * ÁÚ[ ¦ d东臣í H <sup>à l</sup> Ü寡 * ÁÚ[ ¦ d东臣í I <sup>con</sup> Ü寡 * ÁÚ[ ¦ d东臣í	í î ï ì
Þ[¦{ æþÁÓæþÁÚðj,*ÁÇÓUD	ŒFÍ	Ġί	G	F* <sup>dh</sup> Ü身 * ÁÚ[ ¦d东臣í G <sup>à Á</sup> Ü身 * ÁÚ[ ¦d东臣í H <sup>à Á</sup> Ü身 * ÁÚ[ ¦d东臣í I <sup>cgh</sup> Ü身 * ÁÚ[ ¦d东臣í	J F€ FF FG
Ü^&ed ÁÜðj*ÁÇÜæeðij}D			Н	F <sup>* dh</sup> Ü專 * ÁÚ[ ¦ d东臣í G <sup>à l</sup> Ü專 * ÁÚ[ ¦ d东臣í H <sup>à l</sup> Ü專 * ÁÚ[ ¦ d东臣í I <sup>con</sup> Ü專 * ÁÚ[ ¦ d东臣í	Í î ï ì
Ü^&# Á܇ *ÁÇÔUD</td><td></td><td></td><td>I</td><td>F<sup>* d4</sup>Ü寡 * ÁÚ[ ¦ d东臣í G<sup>à á</sup>Ü寡 * ÁÚ[ ¦ d东臣í H<sup>å Á</sup>Ü寡 * ÁÚ[ ¦ d东臣í I <sup>c94</sup>Ü寡 * ÁÚ[ ¦ d东臣í</td><td>J F€ FF FG</td></tr></tbody></table>					

C-79

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Forward Call Ring (Station)			5	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	5 6 7 8
Forward Call Ring (CO)			6	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	9 10 11 12
Transfer Call Ring (Station)			7	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	5 6 7 8
	TAB	LE DA	ГА		
Transfer Call Ring (CO)			8	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	9 10 11 12
Call Back Indication Ring			9	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	1 1 1 1
Wakeup Indication Ring			10	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	1 1 1 1
Revertible Ring	A-115	265	11	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	1 1 1 1
Paging Call Ring			12	1 <sup>st:</sup> Ring Port 1-15 2 <sup>nd</sup> Ring Port 1-15 3 <sup>rd</sup> Ring Port 1-15 4 <sup>th</sup> Ring Port 1-15	5 5 5 5

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ
Pæ)å•-¦^^ÁŒ;•¸^¦ÁÜāj*			FH	F <sup>* d\$</sup> Ü募 * ÁÚ[ ¦ d东臣í G <sup>à à</sup> Ü募 * ÁÚ[ ¦ d东臣í H <sup>à à</sup> ÜҘ * ÁÚ[ ¦ d东臣í I <sup>cœ</sup> Ü寡 * ÁÚ[ ¦ d东臣í	Í Í Í Í
Ô[{ { æ} å ÁÔæ   ÁÜ ā} *			FI	F* <sup>66</sup> Ü募 * ÁÚ[ ¦o东臣í G <sup>*á</sup> Ü募 * ÁÚ[ ¦o东臣í H <sup>*á</sup> Ü募 * ÁÚ[ ¦o东臣í I <sup>cœ</sup> Ü募 * ÁÚ[ ¦o东臣í	Í Í Í
CĘ^¦oÁÜąj*			FÍ	F <sup>* dq</sup> Üą * ÁÚ[ ¦ d东臣í G <sup>* å∱</sup> Üą * ÁÚ[ ¦ d东臣í H <sup>àÁ</sup> Üą * ÁÚ[ ¦ d东臣í I <sup>cœ∰</sup> Üą * ÁÚ[ ¦ d东臣í	F F FÁ
	VOE	)ŠÒÁÖŒ	/Œ		
CEpal{ÁÜā;*			FÎ	F <sup>* (A</sup> Ü ā * ÁÚ[ ¦ o东臣í G <sup>à â</sup> Ü ā * ÁÚ[ ¦ o东臣í H <sup>à â</sup> Ü ā * ÁÚ[ ¦ o东臣í I <sup>c@</sup> Ü ā * ÁÚ[ ¦ o东臣í	도 도 도 도
Øeĕ  oĤĴāj *			FΪ	F* <sup>df</sup> Üą * ÁÚ[ ¦o东崖í G <sup>à Á</sup> Üą * ÁÚ[ ¦o东崖í H <sup>à Á</sup> Üą * ÁÚ[ ¦o东崖í I <sup>@Ő</sup> Üą * ÁÚ[ ¦o东崖í	FI FI FI
ÜQ ÕÁQÜÒÛ WÒÞÔŸ EÐŒÖÒÞÔÒÁŒÓŠÒ	ŒFÎ	ĠΊ		FÍÁÜĀ,*ÁÙ[`¦&^Æa,Æa^ā,^å,^å,Á ¸ão@ÁÖæÆÁZ!^`ÁBÁÖæå,^}&^Á Ç•^^ÁÜÃ,*ÁU[¦oÁæà ^DÁ	∖Y^àÁnCtå{ājÁu} ^
XU ÓD DÁT CESSÁ CODES Á CODES DE COMENTA CODES DE COMENTA COME	Œ∓î	ďЛ		Tæ¢ÁFGÄÖðiða ÁÐÁÐÉÐEÐÍÆÆÉÐÁÉ ÚÁÇÚÆ •^DÆÆÁÇAÞæ @D	
X[a8x/ÁTæajÁrÁÄÁÚ°c			F	FKÚ¦^-ã¢K G'Ù" ~ã¢	ÚÀ
X[ 88^ÁT æ\$ÁGÁÐŐ^c	O⊞FÎ	G J	G	FKÚ¦^-ã¢K GKÙ ~ã¢	ÚÀÀ
X[a&^ÁTæajÁnÁEÁÓ`•^			Н	FKÚ¦^-ã¢K GKÙ ~ã¢	ÚÀŒÚ
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C-81

Voice Mail 5 - Error	PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
2:Suffix   Voice Mail 7   7   1:Prefix: 2:Suffix   -	Voice Mail 5 – Error			5		P#*5P
2:Suffix   Voice Mail 8   8   1:Prefix:   -	Voice Mail 6 – DND			6	-	P#*6P
Voice Mail 9 - Disconnect   9	Voice Mail 7			7		-
Secting   Play Timer   Play T	Voice Mail 8			8		-
ATD GROUP ASSIGNMENT         A-118         270           Group Type         1         0: Terminal 1: Circular 2: Ring 3: Longest Idle           Group Name         2         Max 16 Ch         -           CO Attendant Number         3         Station         -           Member         4         Station         100           ATD GROUP ATTRIBUTES I         A-118         271           Greeting Tone Type         1         0: Normal 1: Prompt 2: Annc 3: Int MOH 4: Ext MOH         Normal 4: Ext MOH           Greeting Play Timer         2         000-180 (1sec)         0           Greeting Tone No         3         01-19         4           Greeting Prompt/Announcement Table No.         4         001-255         3           Greeting Repeat Count         5         000-100         0	Voice Mail 9 - Disconnect			9		***
Croup Type		TENA	ANT DA	ATA		
1: Circular   2: Ring   3: Longest Idle	ATD GROUP ASSIGNMENT	A-118	270			
CO Attendant Number   3   Station   -	Group Type			1	1: Circular 2: Ring	Terminal
Member         4         Station         100           ATD GROUP ATTRIBUTES I         A-118         271           Greeting Tone Type         1         0: Normal 1: Prompt 2: Annc 3: Int MOH 4: Ext MOH           Greeting Play Timer         2         000-180 (1sec)         0           Greeting Tone No         3         01-19         4           Greeting Prompt/Announcement Table No.         4         001-255         3           Greeting Repeat Count         5         000-100         0	Group Name			2	Max 16 Ch	-
ATD GROUP ATTRIBUTES I         A-118         271           Greeting Tone Type         1         0: Normal 1: Prompt 2: Annc 3: Int MOH 4: Ext MOH           Greeting Play Timer         2         000-180 (1sec)         0           Greeting Tone No         3         01-19         4           Greeting Prompt/Announcement Table No.         4         001-255         3           Greeting Repeat Count         5         000-100         0	CO Attendant Number			3	Station	-
Greeting Tone Type         1         0: Normal         Normal           1: Prompt         2: Annc         3: Int MOH         4: Ext MOH           Greeting Play Timer         2         000-180 (1sec)         0           Greeting Tone No         3         01-19         4           Greeting Prompt/Announcement Table No.         4         001-255         3           Greeting Repeat Count         5         000-100         0	Member			4	Station	100
1: Prompt 2: Annc 3: Int MOH 4: Ext MOH  Greeting Play Timer 2 000-180 (1sec) 0 Greeting Tone No 3 01-19 4 Greeting Prompt/Announcement Table No. 4 001-255 3 Greeting Repeat Count 5 000-100 0	ATD GROUP ATTRIBUTES I	A-118	271			
Greeting Tone No         3         01-19         4           Greeting Prompt/Announcement Table No.         4         001-255         3           Greeting Repeat Count         5         000-100         0	Greeting Tone Type			1	1: Prompt 2: Annc 3: Int MOH	Normal
Greeting Prompt/Announcement Table No. 4 001-255 3 Greeting Repeat Count 5 000-100 0	Greeting Play Timer			2	000-180 (1sec)	0
Greeting Repeat Count 5 000-100 0	Greeting Tone No			3	01-19	4
9 1	Greeting Prompt/Announcement Table No.			4	001-255	3
Greeting Repeat Delay Timer A-118 271 6 000-100 (1sec)	Greeting Repeat Count			5	000-100	0
	Greeting Repeat Delay Timer	A-118	271	6	000-100 (1sec)	

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ
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Õ¦^^æ]* ĐÛ`^`			Ì	€F <del>€ÏH€</del> ÁÇF•^&D	H€
Û`^`āj*Á/[}^Á¤[È			J	€FËJ	
Û ` ^ ` āj * ÁÚ¦[{] œ00E;}[`}&^{ ^}oÁ/æà ^Á¤[È			F€	€€FËĞÍ	
Û `^ `āj * ÁÜ^] ^æsÁÔ[ `}c			FF	<del>€€€</del> Ë	Н
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Ôæ ÁQÁÕ¦^^æ]*			F	€1Á0Ee^¦ÁÕ¦^^æ]* F1ÁQÁÕ¦^^æ]*	QÁÕ¦^^æj*
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CE[] ^Á/ā[ ^Á/`]^			I	€HÁCH FHÁÖæê GHÁPāt@c HHÁVā[^å	СЩ
Ø[¦,æååÁÖ^•dā,ædā}}			ĺ		
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ÞŐPVÁŒ/ÖÁÖÜUWÚÁŒÙÙŐÞTÒÞV	ŒËGH	Ġί			
Õ¦[ˇ] Á∕`] ^			F	€1Á/^\{ ājæ  F1Á(Ôã&  æ  C1Á(Úāj* H1ÁŠ[}*^• OÁ(ā ^	V^!{

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Group Name	A-123	275	2	Max 16 Ch	
Member			3	Station	
NIGHT ATD GROUP ATTRIBUTES I	A-123	276			
Greeting Tone Type			1	0: Normal 1: Prompt 2: Annc 3: Int MOH 4: Ext MOH	Normal
Greeting Play Timer			2	000-180 (1sec)	0
Greeting Tone No			3	01-19	4
Greeting Prompt/Announcement Table No.			4	001-255	
	TEN	ANT DA	ATA		
Greeting Repeat Count			5	000-100	3
Greeting Repeat Delay Timer			6	000-100 (1sec)	0
Queuing Tone Type			7	0: Normal 1: Prompt 2: Annc 3: Int MOH 4: Ext MOH	Int MOH
Greeting/Queuing Timeout Timer			8	010-300 (1sec)	30
Queuing Tone No			9	01-19	
Queuing Prompt/Announcement Table No			10	001-255	
Queuing Repeat Count			11	000-100	3
Queuing Repeat Delay Timer			12	000-100 (1sec)	0
Night ATD Group Attributes II	A-126	277			
Call In Greeting			1	0: After Greeting 1: In Greeting	In Greeting
Max Queue Count			2	00-99	5
Forward Type			3	0: Not Used 1: Uncond 2: Q Overflow 3: Time Out 4: All	Not Used

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ
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Yæ\^ÁN]ÁÜ^d^Á/ā[ ^			Î	€€ËŒ	F
Œc@ÁÜ^d^ÁÔ[ˇ}c			Ϊ	€Ĭ	Н
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Ü^åãæþÁT^cQQå			G	€hÁU}^Á/[*&@ÁCE  FhÁU}^Á/[*&@ÁS[*ÁÚ@{}^ CHÁSŠÃ cHÖÆH	Šã ơ Ó Õã Đ
Öãn, AÖãããAÚ¦[&^••			Н	€ÁV`]^ÁF FÁV`]^ÁG GÁV`]^ÁH	V^]^ÁH
V¦æ)•-^¦ÁÔUÁÔæ Á[ÁÔUÙÁ€ÁÙææá[}			I	FKÁU}ÊÆKÁU~	U}
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Ô[ å^&Á^ ] ^			Î	FKŐÜË FF GKŐÜË GH HKŐÜË GJ I KŐÜË GG	ÕË FF

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Backlight Option	A-128	281	7	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
TENANT GROUP ACCESS	A-130	283			
Between Tenant Group Access				EN/DIS	All DISABLE
CO CALL RESTRICTION I	A-131	284			
	TENA	ANT DA	ATA		
Restriction (Normal CO Line)			1	0: No Restriction 1: All Call 2: Long / International Call	No Restriction
Restriction (Dedicated CO Line)			2	0: No Restriction 1: All Call 2: Long / International Call	No Restriction
Svc After Restriction Time (Local Call)			3	0: No Restriction 1: All Call 2: Long / International Call	No Restriction
Svc After Restriction Time (Long Dist Call)			4	0: No Restriction 1: All Call 2: Long / International Call	No Restriction
Svc After Restriction Time (Internatl Call)			5	0: No Restriction 1: All Call 2: Long / International Call	No Restriction
Svc After Restriction Time (Dedicated Call)			6	0: No Restriction 1: All Call 2: Long / International Call	No Restriction
CO CALL RESTRICTION II	A-131	285			
Tone Repeat Time (Local Call)			1	10-254 (1sec)	20
Tone Repeat Time (Long Call)			2	10-254 (1sec)	20
Tone Repeat Time (International Call)			3	10-254 (1sec)	20

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒĐÕÒ	ÖÒØŒVŠVÁ
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Ôæ ÁÜ^•d&&a[}Á/ā[^ÁÇQ:o^¦}æa[}æ4Óæ D			FF	FËF€€ÁÇF{ ¾ D	Н
Ôæ∥ÁÜ^∙dæ6aā}}Á/ā; ^ÁÇÖ^åæ6æe^åÁÔæ∥D			FG	FËF€€ÁÇF{ ã D	Н
	VÒÞ(	OEÞVÁÖC	Æ/Œ		
ŠU ÔŒŠÁÔŒŠŠÁÚÜ ÒØŒÝÁƌӊÒ	ŒËHG	ĠΪ		Š[&a¢ÁÚ¦^-ã¢ÁVà ÁQåÁ€FÉÍ€	
Š[8æþÁÔæþ ÁÚ¦^-æ̃cÁKæpř^			F	Tæ¢Á ÁÖð ãæ	
ŠU Þ Ő ÁÐOEŠŠÁÚÜ ÒØGÝ Á/OEÓŠÒ	О⊞НН	ĠΪ		Š[}* ÁÚ¦^-ã¢ÁVà ÁQ)åÆFÉÍ€	
Š[}*ÁÔæ ÁÚ¦^-ã¢ÁXæ *^			F	Tæ¢Á ÁÖð ðæ	
Φ\ÒÜÞŒ/Φ)ÞŒ/Φ)ΦΘŠÁÔΘŠŠÁÚÜÒØΦ	О∰НН	ĠÌ		QdÁÚ¦^-ã¢ÁVà ÁQå^¢Á€FÉÍ€	
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**DEFAULT VALUES** C-87 Appendix C: Quick Reference

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
2nd Dial Tone			2	Tone Type Time Tone Number	Normal 10 sec 11
CO Dial Tone	A-133	290	3	Tone Type Time Tone Number	Normal 10 sec 17
DISA Dial Tone			4	Tone Type Time Tone Number	Normal 10 sec 10
LCR Virtual Tone			5	Tone Type Time Tone Number	Normal 10 sec 17
	TEN	ANT DA	ATA		
Digit Conversion Virtual Tone			6	Tone Type Time Tone Number	Normal 10 sec 17
Password Dial Tone			7	Tone Type Time Tone Number	Prompt 10 sec 10
Internal Busy Tone			8	Tone Type Time Tone Number	Prompt 10 sec 11
External Busy Tone			9	Tone Type Time Tone Number	Normal 10 sec 16
CO Line Busy Tone			10	Tone Type Time Tone Number	Normal 10 sec 17
Uncompleted Dial Error Tone			11	Tone Type Time Tone Number	Normal 20 sec 1
DOD Restriction Tone			12	Tone Type Time Tone Number	Normal 20 sec 1

PROGRAM GROUP	ÚÕÁÀ	ÚÕT	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠVÁ
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Relative Out of Order			24	Tone Type Time Tone Number	Normal 20 sec 1
External Relative Out of Order	A-133	290	25	Tone Type Time Tone Number	Normal 20 sec 1
External Relative Outgoing Restriction			26	Tone Type Time Tone Number	Normal 20 sec 1
Relative Hot Desk Logout			27	Tone Type Time Tone Number	Normal 20 sec 1
	TEN	ANT DA	ATA		
Howling Tone			28	Tone Type Time Tone Number	Normal 30 sec 19
1 <sup>st</sup> Ring Back Tone			29	Tone Type Time Tone Number	Normal 10 sec 4
2 <sup>nd</sup> Ring Back Tone			30	Tone Type Time Tone Number	Normal 10 sec 4
CO Ring Back Tone			31	Tone Type Time Tone Number	Normal 10 sec 4
Recall Ring Back Tone			32	Tone Type Time Tone Number	Normal 10 sec 4
Zone Paging Call Ring Back Tone			33	Tone Type Time Tone Number	Normal 10 sec 4
Command Call Ring Back Tone			34	Tone Type Time Tone Number	Normal 30 sec 4

PROGRAM GROUP	ÚÕÂ	ÚÕTÁ	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒVŠVÁ
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
Call Duration Restriction Alarm			46	Tone Type Time Tone Number	Normal 1 sec 13
Confirm Tone	A-133	290	47	Tone Type Time Tone Number	Normal 1 sec 8
Single Error Tone			48	Tone Type Time Tone Number	Normal 3 sec 9
Transfer Hold Tone			49	Tone Type Time Tone Number	Internal MOH 30 sec
	TEN	ANT DA	ATA		
Transfer Hold Tone (Station)			50	Tone Type Time Tone Number	Internal MOH 30 sec
Camp On Hold Tone (CO)			51	Tone Type Time Tone Number	Normal 30 sec 14
Camp On Hold Tone (Station)			52	Tone Type Time Tone Number	Normal 30 sec 14
Call Wait Hold Tone (CO)			53	Tone Type Time Tone Number	Normal 30 sec 14
Call Wait Hold Tone (Station)			54	Tone Type Time Tone Number	Normal 30 sec 14
Normal Hold Tone (CO)			55	Tone Type Time Tone Number	Internal MOH 30 sec
Normal Hold Tone (Station)			56	Tone Type Time Tone Number	Internal MOH 30 sec

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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
ICLID Restrict Tone			68	Tone Type	Normal
				Time	10 sec
				Tone Number	1
Auto Call Answer Alert Tone	A-133	290	69	Tone Type	Normal
				Time	1 sec
				Tone Number	13
VM Interaction Confirm Tone			70	Tone Type	Normal
				Time Tone Number	1 sec 8
A that are only District			74		
Authorization Code Dial Tone			71	Tone Type Time	Prompt 10 sec
				Tone Number	10 sec
	TEN	ANT DA	ATA		
Tenant Dial Tone			72	Tone Type	Normal
				Time	10 sec
				Tone Number	10
Two-way Record Warning Tone			73	Tone Type	Normal
				Time	1 sec
				Tone Number	13
	ВОА	RD DA	TA		
ISDN BOARD ATTRIBUTES	A-138	300			
PRIB CRC Check			1	0: Disable / 1: Enable	Enable
PRIB Line Mode			2	0: TE / 1: NT	TE
BRIB TEI Mode Port1 - n/a			3	0: Fixed / 1: Auto	Auto
BRIB TEI Mode Port2 - n/a			4	0: Fixed / 1: Auto	Auto
BRIB TEI Mode Port3 - n/a			5	0: Fixed / 1: Auto	Auto
BRIB TEI Mode Port4 - n/a			6	0: Fixed / 1: Auto	Auto
ISDN CLOCK PRIORITY	A-139	301			
ISDN BRD Clock Priority				Slot No.	Net
VOIB/VMIB BOARD ATTRIBUTES	A-140	305			
IP Address			1	IP Address	10. 10. 10. # (#: slot number)
Router IP Address			2	IP Address	0.0.0.0

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT					
BOARD DATA										
BLF Destination System Port			9	0000-9999	9500					
Firewall Routing			10	0: OFF / 1: ON	ON					
T-NET ATTRIBUTE	A-143	330	-	-	-					
TNET Enable	hle	at th	is¹ti	<b>M6</b> FF••1: ON	OFF					
TNET Enable  CMATTRIBETEATURE IS not available	A-143	331	-	-	-					
Register Enable			1	0: OFF / 1: ON	ON					
IP Address	A-143	331	2	IPv4 address	0.0.0.0					
IPKTS Port Number			3	0001-9999	5588					
Total No of Ports			4	000-999	000					
Polling Count			5	00-99	05					
Polling Interval			6	00-99	02					
FOPSTN ATTRIBUTE	A-144	333	4	-2.2						
Enable FOPSTN This feature is not availal	ole a	t thi	s tii	0: OFF / 1: ON	OFF					
This feature is not available			2	-	-					
Index			3	1-100 (MBX IP-100) 1-200 (MBX IP-300)	-					
Numbering Plan			3-1	Max 16	-					
CO Group			3-2	1-24 (MBX IP-100) 1-72 (MBX IP-300)	-					
Tel Number			3-3	Max 10						
T-NET BOARD ATTRIBUTE	A-145	334	-	-	-					
TNET Enable			1	0: OFF / 1: ON	OFF					
IP-PHONE T-NET ENABLE	A-145	335								
TNET Enable			1	0: OFF / 1: ON	OFF					
	H.3	24 DAT	A							
H.323 ROUTING ATTRIBUTE	A-146	360	-	-	-					
Digit			1	Max 8 digits						
Destination IP Address			2		0.0.0.0					

PROGRAM GROUP	ÚÕÁÀ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ				
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PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT				
SIP CO DATA									
SIP CO BASIC REGISTRATION	WEB	ONLY	-	-	-				
Main Proxy Address			ı	-	-				
Main Proxy Port			1	1024-9999	5060				
Main Domain Name			0	-	-				
Proxy Type				Normal / Dacom / KT	Normal				
SIP CO ADDITIONAL REGISTRATION	WEB	ONLY	1	-	-				
User ID Start Index			1	-	-				
User ID End Index			-	-	-				
Main Outbound Proxy Address			-	-	-				
Main Outbound Proxy Port			-	1024 – 9999	5060				
Sub Proxy Address			-						
Sub Proxy Port	WEB	ONLY	-	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			1	ON/OFF	OFF				
Session Timer Support			-	ON/OFF	OFF				
Max Session Timer			-	180-3600	1800				
Use 181 Message			ı	ON/OFF	OFF				
Use RPORT			1	ON/OFF	OFF				
P-Asserted-Identity			1	NOT USE / USE	NOT USE				
DTMF Send Mode			ı	IN / OUT / RFC2833	RFC2833				
SIP CO CODEC	WEB	ONLY	-	-	-				
First Codec Type				Not Use / 711U/A/729/723A	G.711A				
Second Codec Type				Not Use / 711U/A/729/723A	Not Use				

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒ20EVŠVÁ
	SIP	CO DAT	ΓΑ		
V@1åÁÔ[å^&Á/`]^				Þ[cÁW∙^ÁBÁ ÏFFWAÐBBÖGJÐÖGHŒ	Þ[ œ <b>ÁV</b> •^
Ø[ ˇ¦c@ÁÔ[ å^&Á/`] ^				Þ[cÁW•^ÁÐÁ ÏFFWEÐEÐGJÐÖGHŒ	Þ[ oÁV•^
ÙŒÁÔU ÁNÙÒÜ ÁŒÁOEÓŠÒ	Y ÒÓ	UÞŠŸ	Ë	Ë	Ë
Ü^*ãrdæaā[}ÁW•^¦ÁQÖ					
OE c@ } caseeraj } ÁV+^¦ÁQÖ					
OEc@e}ca&acaa[}ÁW•^¦ÁÚæe∙¸[¦å					
Ü^*ãrdæā[}				ŸÒÙÆD U	ÞU
W• æ* ^				ŸÒÙÆÐ	ÞU
	SIP ST	ATION I	DATA		
ÙŒÁÙVŒÓŒÙŒÁÜÒÕŒÌVÜŒVŒJÞ	Y ÒÓ	UÞŠŸ	Ë	Ë	Ë
<b>₩^</b> !ÁÖ					
OE c@ } caseeraj } ÁOÖ					
Úæ•¸[¦å					
¢ W√£OÜVŴÕÓÜÀŽEO¢ W WOÖGŒOŒOÙNŴÛ	Y ÒÓ	UÞŠŸ	Ë		
Ùœaaaaa } Áp~ { à^¦					
Ü^*ãc^¦ā,*ÁT [å^				Tæ) ઁæ ÁÐÁW•^¦ÁÜ^*ãre^¦	Tæ)řæ
Ü^*ãrdæaã[}Áû)ææč∙				Þ[ơŪ^*ãơ\^åÆÁ Ü^*ãơ\^å	Þ[ đÜ^*ãơ\¦^å
ÓÚÁŒå¦^••					
<b>Φ</b> ΙΑΌ[ ¦c					€
Ö^ç&\Á\D\A\\ æ* ^				ÞUÁÞŒ/ÁÐÞŒ/	Þ[ÁÞŒ/
V¦æ}•^¦ÁT [ å^				WÖÚÁÐÁVÔÚÁÐÁVŠÙ	WÖÚ
ÙŒÁÚ@}^Á^]^				Þ[¦{æļÁÐÁTUQTÙVUÞÒÁÐÁ QÚÉFÍHÍ	Þ[¦{ æ
Ü^*ãrdæaā[}ÁVā[ ^¦					HÎ €€
S^^] ÁŒTãç^ÁW æt^				UÞÐJØØ	UØØ
ÙŴÂÙVŒ⁄WÞÂÙÒÜXѾÔ	Y ÒÓ	UÞŠŸ	Ë	Ë	Ë
Ô@^&\ÁT^••æt^ÁÙ^}åÁVą̄^¦				F€ÏĤ €€	H€

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
	SIP ST	ATION	DATA		
Retry Count				3-10	5
407 Authentication				ON/OFF	OFF
100rel Support				ON/OFF	OFF
Session Timer Support				ON/OFF	OFF
Max Session Timer				180-3600	1800
Min Session Timer				60-150	90
	ZOI	NE DAT	Ά		
ZONE ATTRIBUTE	WEB	ONLY	-	-	-
Nation Code				-	Same with system 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
ZONE RTP RELAY GROUP	WEB	ONLY	-	-	-
Force To RTP Relay				00-63	32
INTER ZONE ATTRIBUTE	WEB	ONLY	-	-	-
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					
STATION ZONE ATTRIBUTE	WEB	ONLY	-	-	-
Zone No				1-9	1

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠVÁ
	ZO	NE DAT	Ά		
ÜVÚÁÜ^ æÂŐ¦[ˇ]				ÞÐÐÆFÆÍ	ÞÐŒ
Ô[ å^&Á^] ^				Ø[   [ ¸ÁZ[ }^ÁÐŐË FFÁÐÁ ŐË GHÁÐŐË GJÁÐŐË GG	Ø[   [ , ÁZ[ }^
	SNI	MP DAT	Ά		-
ÙÞT ÚÁÖŒVŒ	Y ÒÓ	UÞŠŸ	Ë	Ë	Ë
ÙÞT ÚÁÙ^¦çæ^			F	UÞÐJØØ	Ë
ÙÞT ÚÁÚ[¦c			G	Ë	Ë
Ü^æåÁU} ^ÁÔ[{{ `}}ãĉ			Н	IËFÎÁ&@edæ&c^¦•	Ë
Ü^æåÁY¦ãe^ÁÔ[{{ `}}ãĉ			I	IËFÎÁ&@edæ&c^¦•	Ë
Vlæ)lÁÔ[{{ *}}ãĉ			ĺ	IËFÎÁ&@edæ&c^¦•	Ë
V¦æ}ÁÖ^•o∄æa∰}			Î	ÓÚÁscåå¦^••	Ë
T^••æ*^Á/^]^			Ϊ	Þ[œ̃£00,-{¦{ ÐV¦æ}}	Þ[ œ̃-̂
GAIN A	AND CA	DENCE	CON	TROL	
VÖT ÁÕŒÞÁ GÖSVÐÙŠVÐÖÒÔVÐÚÐÍÐPUÞÒÐÐÐUÐÖÔUÐXT ÓM ÖÝVÒÜÞŒŠÁÚOÐÕÁÜÝÁÕŒÞD	O∰I J	I€ÆÄË I€Ï			
ÖSV			F	€€ÏH	GÎ £HGBQÎ EBÎ £D €EBĞ
ÙŠV			G	€€ÏH	COEDHODH EDHOEC Î EOFECÎ
ÖÒÔV			Н	€€ÏH	GÎ ⊕HGĐĐÎ ĐĐÎ ĐHFĐĐ Î ĐĐÎ ĐĐÎ
Ф́Ё́Ј@}^			I	€€ĪH	GÎÐHEQÎEQÎÐHEH HEQJÐHG
ŒÛU			ĺ	€€ÍÍ H	GÎ <del>D</del> HODÎ <del>DH D</del> HOD Î <del>DOH</del> OÛ
ÖÔU			Î	€€ĪH	H-BI BH-BH-BÌ BH CB-CB-IÏ
XT Ø			Ϊ	€€ÎH	CENERO ENI ENI
ÖVTØ			Ì	€€ÎH	Ì ĐƠI ĐÌ ĐHỊ ĐƠ ĐƠI CĐAG

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT
GAIN A	AND CA	DENC	E CON	TROL	
TONE			9	00-63	32/38/37/32/37/3 2/32/32
MUSIC			10	00-63	29/40/29/29/37/3 2/32/32
DSP RX GAIN	A-154	415			
DTMF/A			1	00-63	32
DTMF/D			2	00-63	32
CPT			3	00-63	32
CID/FSK			4	00-63	32
CID/D			5	00-63	32
CID/RUS			6	00-63	32
SMS/TRK			7	00-63	32
SMS/SLT			8	00-63	32
DEVICE (SLTM/DTIM(HS)/DTIM(HF)/IP-PHONE(HS)/ IP-PHONE(HF)/WIT/VOIB) RX RTP GAIN	A-154	420- 426			
SLTM			1	00-63	34/34/34/34/3 4/34
DTIM (HF)			2	00-63	34/34/34/34/3 4/34
DTIM (HS)			3	00-63	34/34/34/34/3 4/34
IP-Phone (HS)			4	00-63	34/34/34/34/3 4/34
IP-Phone (HF)			5	00-63	34/34/34/34/3 4/34
WIT			6	00-63	34/34/34/34/3 4/34
VOIB			7	00-63	34/34/34/34/3 4/34

PROGRAM GROUP	ÚÕÂ	ÚÕT Á	ÓVÞ	ÜŒÞÕÒ	ÖÒØŒNŠVÁ		
GAIN AND CADENCE CONTROL							
DEVICE (SLTM/DTIM(HS)/DTIM(HF)/IP-PHONE(HS)/ IP-PHONE(HF)/WIT/VOIB) TX RTP GAIN	O <del>⊞</del> ÍÏ	<b>430-</b> ∣ Ĥ					
ÙŠ/Τ			F	€€ÍÍ H	H BH BH BH BH I BH		
ÖVQTÁÇPØD			G	€€ÍÍ H	H &H &H &H &H I &H		
ÖVQTÁÇPÙD	O <del>⊞</del> ÍÏ	430- I HÎ	Н	€€ÏH	H DH DH DH DH I DH		
ŒÜŒÇ}^ÁÇPÙD			I	€€ÏH	H &		
ÓUÉÚ@}^ÁÇPØD			ĺ	€€ÍH	H &H &H &H &H   &H		
Y 00			Î	€€ĒH	H &H &H &H &H   &H		
ΧυΦ			Ϊ	€€ÏH	H &H &H &H &H   &H		
ÙŠVÁÜ Œ ÕÁÔŒ ÒÞÔÒ	O∰΀	II€					
ÔUÁÜĄ*			F	Ø^¢Æ⊞€			
ÔT ÁÜậ *			G	Ø^¢Æ⊞€			
CÔ ÞÜÁ/UÞÒÁÔŒÖÒÞÔÒ	ŒËÎ G	HF					
Öãt‡Á([ } ^ ÁÔæå^} &^			F	Ø ^¢ÁFÁÇUÞBBØ ^¢ÁGÁÇUØØD	ΪÍÆΞ		
Üậ*àæ&\Á/[}^ÁÔæå^}&^			G	Ø ^¢ÁFÁÇUÞBBØ ^¢ÁGÁÇUØØD	Í€BB€€		
Ó • ^ Á/[ } ^ ÁÔæå^} &^			Н	Ø ^¢ÁFÁÇUÞBBØ ^¢ÁGÁÇUØØD	GÍ EÐÍ		
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ŠÔÜÁÖãæþÁ[}^ÁÔæå^}&^			ĺ	Ø ^¢ÁFÁÇUÞBBØ ^¢ÁGÁÇUØØD	Ï€B€		
	DE	CT DAT	A				
ÖÒÔVÁÜÒÕŴVÜŒ/WÞ	ŒËÎ G	0#					
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Y čÁN}• čà•&lãa^			G				
ŒÔÁÔ[ å^			Н				

PROGRAM GROUP	PG#	PGM	BTN	RANGE	DEFAULT	
DECT DATA						
PARK (view)			4			
Wtu User Authenticate			5	Station Number		
Park			6			
Wtu Subs All Data Erase			7			
Wtu Subscription Erase			8	Station Number		
Wtu (Un)Subscription Range (view)			9			
DECT Mobility			10	Station Number		
WTIM DECT ATTRIBUTE	A-162	492				
Auto Call Rls			1	ON/OFF	OFF	
Base Fault Alarm			2	Enable/Disable	Disable	
	GRE	EN MO	DE			
GREEN MODE ACTIVATION	WEB	Only				
Power Save Mode				Enable/Disable	Disable	
GREEN MODE TIME SETTING	WEB	Only				
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		
	INITIA	LIZAT	ION			
INITIALIZATION		499				
All Database			1			
System Reset			2			
Station Data			3			
Station Button Data			4			
CO Line Data			5			

**DEFAULT VALUES** 

PROGRAM GROUP	ÚÕÂ	ÚÕT Á ÓVÞ	ÜŒÞÕÒ	ÖÖØŒNŠVÁ			
INITIALIZATION							
Ùcæāj}ÁŐ¦[ˇ]ÁÖæææ		Î					
Ù^•¢^{ ÁÖæsæ		Ϊ					
ÙT ÖÜÁÖææ		ì					
Ù^•¢^{ Á⁄ã ^¦		J					
Væà ^ÁÖææe		F€					
V^} æ) oÁÖænæ		FF					
Þ^ç [¦\ðj*ÁÖæææ		FG					
ÙŒÆ		FH					
P[cå^∙\ÆŠ[*[čc		FI					

# **USER ENTRY GUIDES**

# **Alphanumeric Entry Chart**

The following guide may be used to enter Customized Messages, Speed Dial Numbers, or User Names:

Q - 11	A - 21	D - 31
Z - 12	B - 22	E - 32
13	C - 23	F - 33
1 - 10	2 - 20	3 - 30
G – 41	J - 51	M - 61
H - 42	K - 52	N - 62
I - 43	L - 53	O - 63
4 - 40	5 - 50	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	#

# **Alternate Alphanumeric Entry Chart**

 $\tilde{O} \mid \text{ad} \mid @BAAH\tilde{S} \hat{O} \ddot{O} \dot{A} \mid @\} \land \bullet \dot{A} \circlearrowleft \phi \\ \stackrel{\dot{\Box}}{\to} \ddot{O} \ddot{a} \quad \tilde{a} \\ \stackrel{\dot{\Box}}{\to} \dot{A} \\ \stackrel{\dot{\Box}{\to} \dot{A} \\ \stackrel{\dot{\Box}{\to} \dot{A} \\ \stackrel{\dot{\Box}}{\to} \dot{A}$ 

		Letter Type							
Dial Pad Button		W]]^¦&æ^ ŒEÓÔD			Š[,^¦&æe^ Çæà&D				Þ*{
				Ó (a[ ]	ÁÖ^]	^•• <b>ą</b> }	•		
	FÁ	GÁ	HÁ	۱Á	FÁ	GÁ	HÁ	۱Á	FÁ
F	0	K	Ğ	Ł	0	K	Ğ	Ł	F
G	Œ	Ó	Ô		æ	à	&		G
Н	Ö	Ò	Ø		å	^	~		Н
I	Õ	Р	Q		*	@	ã		I
ĺ	R	S	Š		b	\			ĺ
Î	Т	Þ	U		{	}	[		Î
ΪÁ	ÚÁ	ÛÁ	ÜÁ		] Á	Ă	¦Á	۰Á	ΪÁ
ÌÁ	VÁ	WÁ	ΧÁ		σÁ	Ϋ́Á	çÁ		ÌÁ
JÁ	ΥÁ	ÝÁ	ΫÁ	ZÁ	À	¢Á	^Á	:Á	JÁ
€Á	ÉÁ	ÊÁ	ÑÁ	ÂÁ	ĔÁ	ÊÁ	ÑÁ	ÂÁ	€Á
EÁ	ĘÁ				É				É
ÀÁ	ÀÁ				ÀÁ				ÀÁ

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ΦÖËG

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н
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P[[\EØ]æ@ÁT[å^EÁÅEG
Q.8[{a}*A\hat{O}ad]a*A\hat{S}a^A\hat{O}A\hat{Q}\hat{O}\hat{S}\hat{O}\hat{D}\hat{O}adA\hat{U}[\check{C}a^*\hat{E}\hat{A}\hat{E}\hat{I}]
Q8[{ ā * ÁÔU ÁŠā ^ ÁP[| ãã æ ÂÛ^; ç88^ ÉÁ ÉHF
Q e^* | aee^ å ÁÙ^ | ç ã&^ ÁÖ ã ãzaþÁÞ^c [ | \ ÁQQÙÖÞ DĚÁ É I
Qc\\&[ {
         ÔællÉM ËG
        \hat{Q} \hat{A} 
        Ôæ||ÁP|| |åÉÁÁ É
          ŠI&ÜĖČOĖŠÁLĖĖ
         Ųãt}æþã;*ÁT[å^£ÁÑ,ËFF
         Ùc^] ÁÔæ|BÁ E
         V¦æð• - ^\ÊMÁ É
OÞVÜWÙOUÞÉÁÁËF€
QÚÁV¦`}\ā,*ÉÁÁÉJ
QÚÁY QIĐÁÖ ãæ þã *ÁQEe^¦ÁQE • ^¦ÉÁÁ É G
OÙÖÞÁÔŠŒÁÁËH
QÙÖÞÁÙ 11 | ^ { ^ } cæ ^ ÂÙ ^ ¦ cã & ^ ÉÁ ÉÎ Î
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S^^]æåÁØæ&ããã£ÉÁÍÉÍJ
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Tæ) * æ|ÁOE[] | &Bææá[} } £ÁÁFÉF
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T^••æ*^Á/æãóÁÜ^{ ā,å^¦Á/[}^ÉÁI
T ˇ ơ ĐÁ ËH
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