



iPECS UCP & eMG

Hotel Feature & Programming Manual

Please read this manual carefully before operating System.
Retain it for future reference.

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REVISION HISTORY

ISSUE	DATE	DESCRIPTION OF CHANGES
1.0	April, 2014	Initial Release
1.1	Jan, 2015	Updated the minor errors in text
1.2	June, 2015	Updated the flexible numbering plan

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5. FLEXIBLE NUMBERING PLAN

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1. Programming Code

To use Hotel feature, first you have to install the license of hotel. You can check if the license has or not as below:

1. Using Web admin.
 - 1) Log in -> System ID & Numbering plan -> System Overview
 - 2) System License overview : Hotel (Activated)
2. Assign the attendant.
 - 1) System Data -> Attendant assignment (164)
 - 2) Assign the main attendant (ex. 101 or 102, etc. except 100 as system attendant) as Front Desk and click Save button.
 - 3) To use Hotel feature, go to Hotel data -> Hotel attribute (300) : change Off to On

PGM Search

Favorite PGM Attendant Assignment(164) HOTEL Attributes(300) Save

System ID & Numbering Plans

Station Data

Board Based Data

CO Line Data

System Data

Station Group Data

ISDN Line Data

SIP Data

Tables Data

Networking Data

Zone Data

Device Login

DECT Data

Hotel Data

> HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

Attribute	Value	Range
Bath Alarm Timer (sec)	5	01-20
Base Time In Room Rate	12	00-23
Check In/Out On-line Print	ON	
Echo Mode	ON	
Toll Charge To Room	OFF	
Method Of Payment	0	Max 7 Characters
	1	Max 7 Characters
	2	Max 7 Characters
	3	Max 7 Characters
	4	Max 7 Characters
	5	Max 7 Characters
	6	Max 7 Characters
	7	Max 7 Characters
	8	Max 7 Characters
	9	Max 7 Characters
Fidelio Interface	OFF	
Fidelio Server Address		
Fidelio Server Port		
Check In Language Info	OFF	
Display 20 Character Room Name	OFF	
Fidelio Use Smdr C Type	ON	
Fidelio Use Minibar C Type	ON	
MiniBar Announcement	0	00-70 (00 : Unused)

- 4) Go to Hotel Data -> Room type (302) and set the value (Ex. 101 is assigned as Hotel Front type and click Save button.

Enter Station Range : ? Load Save

Station Range 101

Check All	Attribute	Value
<input checked="" type="checkbox"/>	Station Type	Hotel Front Type
<input type="checkbox"/>	Station Name	FRONT2

Enter Programming Mode by pressing **[TRANS/PGM]** at the System Attendant (Main Front Desk).

Programming mode code is fixed (not flexible).

Entering Hotel PGM	Main Menu	Sub Menu	Sub Menu-2	Selection
#	[1] CHECK IN/OUT	[1] CHECK IN		
		[2] CHECNK OUT		
	[2] PRINT CHARGE/STATUS	[1] CHARGE PRINT		
		[2] STATUS PRINT		
	[3] ICM CALL EN/DISABLE	[1] ICM CALL ENABLE		
		[2] ICM CALL DISABLE		
	[4] CALL BLOCK	[1] SET ROOM CALL		
		[2] DISABLE ROOM CALL		
		[3] CABINA ENABLE		
	[5] ROOM RATE	[1] ROOM RATE REGISTER		
		[2] ROOM RATE ASSIGN		
	[6] CALL RATE	[1] CALL RATE REGISTER		
		[2] CALL RATE ASSIGN		
		[3] PART TIME FEE		
		[4] BAR/MINI-BAR CHARGE		
	[7] BATH ALARM	[1] BATH ALARM ENABLE		
		[2] BATH ALARM DISABLE		
	[8] MAID STATUS	[1] MAID STATUS (CLEAN)		
		[2] MAID STATUS (DIRTY)		
		[3] MAID STATUS (INSPT)		
		[4] MAID STATUS (Out Of SVC)		
	[9] MISCELLANEOUS	[1] HOTEL NAME		
		[2] SET CALL FORWARD		
		[3] MOVE ROOM		
		[4] SET DND		
		[5] CLEAR DND		

2. HOTEL FEATURES

2.1 DEFAULT BUTTON CONFIGURATION

Description

The following features are assigned to the flexible button as default.

This can be allowed to only station with 24-button or more. But this feature is allowed to system attendant.

If 8024D series station is assigned as a front-desk, to use many other hotel feature it will be convenient to assign speed button. To assign speed button at 8024D series station, execute following process.

- PGM + Flex that want to use speed key + PGM + 9 + 0 + SAVE

Operation

User can activate these features by just pressing the assigned flexible button.

Function name	Flexible button number
Print SMDR with range.	15 th flex button
Hotel check in	16 th flex button
Hotel Check out	17 th flex button
Display Room Charge	18 th flex button
Room Status Print Feat	19 th flex button
ICM enable Feat	20 th flex button
ICM disable Feat	21 st flex button
One Time CO Call	22 nd flex button
ROOM Type	23 rd flex button
ROOM Rate	24 th flex button

Programming

SYSTEM DATA

Attendant Assignment

Related Features

Hardware

2.2 HOTEL SERVICE STATIONS

Description

Any Hotel Service Station can call Guest Stations and other Hotel Service Stations, and any Guest Station can call Hotel Service Station, regardless of ICM Call Disable.

Even though the COS of Hotel Service Station is 7 (Service Station COS = 2, in Italy), a guest can make an outgoing CO call at the Hotel Service Station with his/her password or the One-Time-CO-Call Enable Feature.

A Hotel Service Station can register Bar Charges of any guest. In this case the bar items each hotel service station manages should be registered with the bar terminal's name.

Operation

To call Hotel Service Station,

Lift handset or press **[MON]** button and dial Hotel Service Station Number as a normal intercom call.

Condition

1. Any Guest Station can call Hotel Service Station, regardless of ICM Call Disable/Room to room call group.
2. If Hotel Service Station Name is registered, then Hotel Service station' name will be displayed on LCD instead of Station No. For example, station (**A**) calls Service Station whose name is "**COFFEE SHOP**," then LCD message of Station (**A**) is "**CALL TO COFFEE SHOP**." If not registered, then LCD display "**CALL TO SVC xxxx**."
3. Any Hotel Service Station can call Guest Station and other Hotel Service Station.
4. Every station is room station or service station. There is no station, which is room and service station at the same time. As default, only Station **100** is registered as hotel service station whose name is "**FRONT-DESK**" and the other stations are vacant room. To make service station from room station or room station from service station, program (Hotel Data ► Room Type ► Station Type). But system attendant can't be made room station using (Hotel Data ► Room Type ► Station Type). But system attendant name is changeable.
5. The COS of Hotel Service Station is 7 (Intercom Only) except for Sta **100(Front Desk)** whose COS is 1.
6. At Hotel Service Station, a guest can make an outgoing CO call with a password by using 'WALKING COS' feature.

Programming

HOTEL DATA

Room Type ► Station Type / Station Name
MiniBar List

Related Features

Admin/Attendants
ICM Call Disable/Enable
Room-to-room Call Group

Hardware

2.3 REGISTER HOTEL NAME

Description

This feature allows the Attendant to register or change the hotel name.

Operation

To register hotel's name

TRANS/ PGM + #91 + Hotel Name + **HOLD/ SAVE**

1. Press **[TRANS/PGM]** button, and Dial "**#91**" for registering hotel name.
2. Enter Hotel Name (up to 24 characters, refer to Character Set chart below).
3. Press **[HOLD/SAVE]** button, then system updates database permanently.

Condition

This feature has no default value.

In check-out or displaying room charge, registered hotel name is printed out in the headings.

Character Set for hotel name program:

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

Programming

SYSTEM ID & NUMBERING PLANS

System ID ► Site Name

Related Features

Admin/Attendants

ICM Call Disable/Enable

Room-to-room Call Group

Hardware

2.4 CHECK-IN / CHANGE ROOM STATUS

Description

This feature allows the System Attendant to check in and change status of rooms.

The room status provides the following information:

- 1) Room Number xxxx
- 2) Maid Status (CLEAN/DIRTY)
- 3) Room Occupancy (if occupied with name, LCD displays Guest Name. if occupied without name LCD displays "....." If vacant, LCD displays "vacant").
- 4) Station Class of Service for day and night.
- 5) WAKE-UP Time
- 6) ICM Enable/Disable
- 7) Room-to-Room Call Group (if assigned, **00 - 99**, otherwise "..")
- 8) Authorization Code (If registered, then LCD shows "**A**", otherwise ".")
- 9) Prepaid Call Charge (If registered, then LCD shows "**P**", otherwise ".")
- 10) Call Charge Rate (if registered then registered rate, **0-5**, otherwise ".")

If "Check in Language Info"(PGM300-F10) is ON, 2 items are added.

- 11) Multi Language (1-6, default 1)
- 12) Wakeup Announcement (00-70, default 00)

Operation

TRANS/PGM + #11 + Room No. + **SPEED** +Check-In Type + **HOLD/SAVE**
(..... +)

- 1) Press **[TRANS/PGM]** button; **[TRANS/PGM]** button flashes 60 ipm, and **[MON]** LED lights steady.

- 2) Dial **"#11"**; LEDs of all {DSS} buttons show the room checked-in status. The room is occupied then the LED of the room is steady ON, and the room is vacant then the LED of the room is OFF.
- 3) Dial Room No. or press the associated {DSS} button; the LED of the associated {DSS} button is ON. For multiple Check-in/Changing Room Status, then Dial Room No. or pressing the associated {DSS} button successively.
- 4.1) Press **[HOLD/SAVE]** button, then dialed Rooms are checked-in with default value. After that you can start Step 3). Default values are:
 - 1) Guest Name: Not Registered
 - 2) Room Day & Night COS: 22
 - 3) Wake-Up Time: Not Registered
 - 4) ICM Disable (Default=ICM Enable in Italy/Denmark/NZ/Spain, Israel, Turkey, SWITZERLAND, THAILAND)
 - 5) Room-to-Room Call Group: System Attendant Assigned No. if assigned or Not Assigned
 - 6) Authorization Code: Not Registered
 - 7) Prepaid Money: 0
 - 8) Call Charge Rate: System Attendant Assigned No. if assigned or Not Assigned

If "Check in Language Info"(PGM300-F10) is ON

- 9) Multi Language : 1
- 10) Wakeup Announcement : 00

- 4.2) To check-in with user defined values, or change Room Status, press the **[SPEED]** button.
LCD shows current status of the (first) entered Room No. In case that a Room No. is selected, LCD displays the status of previous/next Room if pressing **[DOWN]/[UP]** key. If the (first) entered Room No. is 100, then LCD shows Room Status as follows;

100 (CLEAN) vacant COS22 I (X) G (. .) . . .

If "Check in Language Info"(PGM300-F10) is ON, the "Multi Language" and "Wakeup Announcement" will be displayed by pressing '#'

100 (CLEAN) vacant M(1)W(00)

- 5) Dial Check-In Type (1 - 8) and enter data successively.
Check-In Types are:
 - 1 Register/Change Guest Name (up to 12 characters)
 - 2 Change Room Day & Night COS (2 digits, COS range=1-9,*(10),#(11))
 - 3 Register/Change Wake-Up Time (4 digits, hh:mm)
 - 4 Set ICM Enable/Disable (Toggle)
 - 5 Set Room To Room Call Group (2 digits, range=00-99)
 - 6 Register/Change Authorization Code (Max 12 digits)
 - 7 Register/Change Prepaid Money (6 digits)
 - 8 Register/Change Call Charge Rate (1 digit)

If "Check in Language Info"(PGM300-F10) is ON, Check-In type 9 and * are added.

- 9 Change Multi Language (1 digit, range=1-6)
- * Change Wakeup Announcement (2 digit, range=00-70)

- 6) Press the **[HOLD/SAVE]** button; System will update database permanently and check-in/change status of the rooms and returns to Step 3).

NOTE: If multiple room numbers are entered then the all selected rooms' status is updated to the currently showing status on LCD with the **[HOLD/SAVE]** button.

- To Check-In Single(Multiple) Guest(s) with Default:

TRANS /PGM + #11 + Room No. + (Room No. + Room No. +) **HOLD/SAVE**

- To Check-In Single (Multiple) Guest(s) with User defined Room Status, or
- To Change Single (Multiple) Guest(s) with User defined Room Status:

TRANS/PGM + #11 + (Room No.+ +) **SPEED** + Check-In Type + **HOLD/SAVE**
 Room No.

Condition

1. When Check in/Change Room Status is being processed, all {DSS} buttons show Room Status (vacant/occupied). If a room is pressed or dialed and then the **[SPEED]** button is pressed, LCD shows current room status.
2. If System Attendant presses **[HOLD/SAVE]** button without any "Check-in type" programming, system checks in the rooms with default values.
3. System Attendant can change Guest Room's Status (Guest Name, COS, Wake-Up Time, Authorization Code, ICM Call Status, Room To Room Call Group, Prepaid Money) by this feature. With Change Room Status processing for the already checked-in rooms, other Databases (for example, Check-In time, SMDR Record, etc...) are not changed.
4. When Check-In/Change Guest Status Process, Room Status is printed through RS232-C port, printed format appears as shown:

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											
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: Currency Unit depends on Admin Programming. (System Data ► SMDR Attributes)

5. When Check-In is in progress, SMDR and BAR record of the room is cleared.
6. If System Attendant checks in a room without the Guest Authorization Code, then DISA cannot be accessed (refer to "Register/Change Authorization Code").
7. If a station is registered as Service Station, System Attendant will receive a Single Error Tone when checking in the service station.

8. The information of Guest Rooms will be protected.
9. Block printing of Guest Room information using (Hotel Data ► Hotel Attributes ► Check In/Out On-line Print).
10. Maximum check-In room count at the same time is 5.

Programming

Related Features

Hardware

2.4.1 Register/Change Guest Name

Description

This feature allows the System Attendant to register/change Guest Name.
The registered guest name is listed on the Total Room Charge Bill.
Guest Name is entered up to 20 characters.

Operation

To Register/Change Guest Name:

[TRANS/ PGM] + #11 + Room No. + **[SPEED]** + 1 + Guest_Name +
(..... +)
[SPEED] + **[HOLD/ SAVE]**

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or press the associated {DSS} button, and press the **[SPEED]** button; LCD shows the current status of the (first) entered Room No. In case that a Room No. is selected, LCD displays the status of previous/next Room if pressing **[DOWN]/[UP]** key. If the (first) entered Room number is 100, then LCD shows Room Status as follows:

(ex: not checked in state)

100 (CLEAN) VACANT COS22 I (X) G (. .) . . .

(ex: checked in but guest name is not registered)

100 (CLEAN) COS22 I (X) G (. .) . . .
--

- 3) Dial '1' for Register/Change Guest Name.

- 4) Enter Guest Name (up to 20 characters, refer to Character Set chart below), if Guest Name is less than 20 characters, press the **[SPEED]** button to indicate the end of name string. After pressing the **[SPEED]** button, system updates temporary database and LCD shows temporary updated information of guest station.
(ex : YOUNGHEE)

100 (CLEAN) YOUNGHEE COS22...:..I (X) G (..) ...

- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database and check-in/change status of the room and returns to Step 3) for another check-in/change.

Condition

1. Character Set for Guest name program:

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

2. Guest name has no default value.
3. For this feature, Guest Name Display Bit must be set in (Hotel Data ► Hotel Room Attributes ► Name Display).
4. When using Intercom call, registered guest name with station' number will be displayed at the other party's LCD (long guest names may be truncated in the LCD).

Programming

HOTEL DATA

Hotel Attributes

Hotel Room Attributes

Related Features

Hardware

2.4.2 Register/Change COS - DIALING PRIVILEGES

Description

This feature allows the application of dialing restrictions through Station Class of Service Assignments. For a particular call, the CO COS is combined with station COS to determine restriction. Reference the Dialing Privileges Feature.

Operation

To Register/Change Guest Station COS:

TRANS / PGM + #11 + Room No. + **SPEED** + 2 + Day & Night COS
(..... +) (1-9, *, #, 2digits)
+ **HOLD / SAVE**

- 1) Press **[TRANS/PGM]** button, and dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or pressing the associated {DSS} button, and press the **[SPEED]** button.
LCD shows current status of the (first) entered Room No. In case that a Room No. is selected, LCD displays the status of previous/next Room if pressing **[DOWN]/[UP]** key.
If the (first) entered Room number is 100, then LCD displays Room Status as shown,

100 (CLEAN)
 COS22 I (X) G (. .) . . .

- 3) Dial '2' for Register/Change Room COS.
- 4) Dial Room's Day and Night COS (Range 1-9,*(10),#(11), 2digits), LCD shows temporary updated database (ex: 23).
COS10 is displayed 'A' and COS11 is displayed 'B'.(ex. "AB" : Day COS 10, Night COS 11)

100 (CLEAN)
 COS23 I (X) G (. .) . . .

- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database and check-in/change status of the room returns to Step 3) for another check-in/change.

Condition

1. By default, Checking-in Guest Room day and night COS is 22

Programming

STATION DATA	Station COS (Class of Service)
CO LINE DATA	Common Attributes ► CO Line COS (Class of Service)
SYSTEM DATA	DISA COS (Class of Service)
	PBX Access Codes
	SMDR Attributes ► Long Distance Call Digit Counter /

HOTEL DATA	Long Distance Call Code
	Room Class Rate
	Call Charge Rate
TABLES DATA	Toll Exception Tables

Related Features

Hardware

2.4.3 Register/Change Wake-Up Time (One Time Wake Up)

Description

This feature allows the System Attendant to register or change the room wake-up time on request of the guest.

Wake Up time also can be registered in Station Web program, and Check In from Web or PMS command.

Operation

To Register/Change Guest Station Wake-Up Time (one-time):

[TRANS/PGM] + #11 + Room No. + [SPEED] + 3 + Wake-Up Time +
(..... +)
[SPEED] + [HOLD/SAVE]

To Register/Change Guest Station Wake-Up Time (recurring):

[TRANS/PGM] + #11 + Room No. + [SPEED] + 3 + Wake-Up Time +
(..... +)
+ [HOLD/SAVE]

- 1) Press [TRANS/PGM] button, and Dial "#11" for Check-in/Change Room Status,
- 2) Dial Room No. or press the associated {DSS} button, and then press the [SPEED] button; LCD shows current status of the (first) entered Room No. In case that one Room No. is selected, LCD displays the status of previous/next Room if pressing [DOWN]/[UP] key. If the (first) entered Room No. is 100, then LCD displays Room Status as shown,

100 (CLEAN)
COS11...I (X) G (..) ...

- 3) Dial '3' to Register/Change Wake-Up Time.
- 4) Enter Wake-Up Time (Format HH:MM), then press Speed button for one-time wakeup call or # key for permanent (recurring) wakeup call (To delete Wake-Up Time, press

“*”key); the LCD displays temporary updated database (HH:MM in case of one time wakeup call or HH:MM* in case of permanent wakeup call), as shown,

100 (CLEAN) COS11 19 : 30 I (X) G (. .) . . .
--

100 (CLEAN) COS11 19: 30* I (X) G (. .) . . .
--

- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database of room status changed or registered. To register or change another check-in type, return to Step 3)

Condition

1. Ring Signal: 30 Sec. On/90 Sec. Off (3 times); after that, the wake up-fail alarm ring will be given to the System Attendant station. LCD at System Attendant displays the wake-up fail station. The wake-up fail alarm can be deleted by dialing the station number or pressing the appropriate {DSS} button at the system attendant station.
2. Time (HH:MM) must be entered in Military Format (24 hr.).
3. Using “[**TRANS/PGM**] + 41”or “[**TRANS/PGM**]+42” , wake-up time can be registered or canceled at each station. In this case, registration and operation is same as above.
4. If VSF(UVM) is installed, when user goes on-hook for wake up ringing, he hears Wake Up system announcement.

Programming

STATION DATA	VM Attributes ► Wake-Up Announcement
SYSTEM DATA	New 5 Wake Up Usage

Related Features

Wake Up Information can be printed to Information Print Port or SMDR SMDR-Offline Print Port.

Print format is as followings.

```
//ROOM 7001  17/02/11  S)10:33  E)10:32 WAKEUP      SET!  
  
//ROOM 7001  17/02/11  S)10:33  E)10:33 WAKEUP      ANSWERED!  
//ROOM 7001  17/02/11  S)10:33  E)10:37 WAKEUP NOT  ANSWERED!
```

Hardware

2.4.4 Register/Change Wake-Up Time (5 Time Wake Up)

Description

This feature allows the System Attendant to register or change the room wake-up time on request of the guest.

Each station can have and set up to 5 wake-up times. Each wake-up time is identified using an id (1-5).

Each wake-up time has a wake-up type:

1	YY/MM/DD	Alarm will be activated only one time in day specified by YY/MM/DD.
2	Mon - Fri	Alarm will be activated every day, from Monday to Friday.
3	Mon - Sat	Alarm will be activated every day, from Monday to Saturday.
4	Mon - Sun	Alarm will be activated every day.

Wake Up time also can be registered in Station Web program, and Check In from Web or PMS command.

Operation

To Register/Change Guest Station Wake-Up Time (one-time):

TRANS / PGM	+ #11 +	Room No. + (..... +)	SPEED	+ 3 +	Vol Up / Vol Down	Alarm Hour	+	Alarm Minute
+	Alarm Mode	+	Alarm Year	Alarm Month	Alarm Day	SPEED	+	HOLD /SAVE

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status,
- 2) Dial Room No. or press the associated {DSS} button, and then press the **[SPEED]** button; LCD shows current status of the (first) entered Room No. In case that one Room No. is selected, LCD displays the status of previous/next Room if pressing **[DOWN]/[UP]** key. If the (first) entered Room No. is 100, then LCD displays Room Status as shown,

```
100 ( CLEAN ) .....
COS11 ... I ( X ) G ( .. ) ...
```

- 3) Dial '3' to Register/Change Wake-Up Time.

- 4) if no wake-up alarm are set.

```
100 ( CLEAN ) .....
COS11 ---- I ( X ) G ( .. ) ...
```

- 5) if wake-up alarm with id #1 is registered.

```
100 ( CLEAN ) .....
COS11 1---- I ( X ) G ( .. ) ...
```

- 6) if wake-up alarm with id #2 and #4 are registered.

```
100 ( CLEAN ) .....
COS11 -2-4- I ( X ) G ( .. ) ...
```

- 7) Press the **[HOLD/SAVE]** button; the system permanently updates the database of room status changed or registered. To register or change another check-in type, return to Step 3)

Condition

1. When register or erase wake-up time from a Digital station, it can use **[VOL UP]** and **[VOL DOWN]** buttons to scroll between wake-up times.
2. When register wake-up time from a Digital station, it can use **[#]** button to scroll between wake-up types.
3. When register wake-up time from Attendant Station, wake-up information will be saved in a free wake-up entry, for each station from station range. If one station has not any free wake-up entry, then the wake-up time from Attendant Station will not be saved.
4. When erase wake-up time from Attendant Station, all wake-up information will be erased.
5. When PGM161 – New 5 Wake Up Usage : changed from OFF->ON or from ON->OFF , all wake-up times for all stations are erased and current wake-up times are canceled.
6. When wake-up time is active in current day, a * (star) will signalize near clock displayed on Digital station LCD. If there is no wake-up time enabled in current day, then there is no signalization on digital station LCD.
7. After finalizing wake-up call, wake-up time will not be automatically erased. Including wake-up time with YY/MM/DD type. A wake-up time can be erased only manually.
8. After finalizing wake-up call (with answer or not answered), a new wake-up time will be enabled, if it exist for current day.
9. Any changes related with wake-up alarm, from Attendant Station, during wake-up call, will be effective only after finalizing wake-up call.
10. Wake-up call functionality is similar with old wake-up feature.
11. Wake-up year can be from 2000 to 2031.
12. If VSF(UVM) is installed, when user goes on-hook for wake up ringing, he hears Wake Up system announcement.

Programming

STATION DATA

VM Attributes ► Wake-Up Announcement

SYSTEM DATA

New 5 Wake Up Usage

Related Features

Wake Up Information can be printed to Information Print Port or SMDR SMDR-Offline Print Port.

Print format is as followings.

```
//ROOM 7001 05/04/03 S)09:47 E)09:46 ID:1 WAKEUP SET!
//ROOM 7001 05/04/03 S)09:47 E)09:48 ID:1 WAKEUP ANSWERED!
//ROOM 7001 05/04/03 S)09:47 E)09:52 ID:1 WAKEUP NOT ANSWERED!

//ROOM 7000 MON-SUN S)19:31 E)19:31 ID:2 WAKEUP SET!
//ROOM 7001 MON-SUN S)19:31 E)19:33 ID:2 WAKEUP ANSWERED!
//ROOM 7001 MON-SUN S)19:31 E)19:35 ID:2 WAKEUP NOT ANSWERED!
```

Hardware

2.4.5 Set ICM Call Enable / Disable

Description

This feature disables or enables a guest station to call another station in the other groups in system.

Operation

To enable/disable ICM Call;

TRANS / PGM	+	#11	+	Room No. + (..... +)	SPEED	+	4	+	HOLD / SAVE
------------------------	---	-----	---	---------------------------	--------------	---	---	---	------------------------

- 1) Press **[TRANS/PGM]** button, and Dial "**#11**" for Check-in/Change Room Status.
- 2) Dial Room No. or pressing the associated {DSS} button, and press the **[SPEED]** button; the LCD displays the current status of the (first) entered Room No. In case that a Room No. is selected, LCD displays the status of previous/next Room if pressing **[DOWN]/[UP]** key. If the (first) entered Room No. is 100, then LCD displays Room Status as shown,

100 (CLEAN) COS11 I (X) G (..) ...

- 3) Dial '**4**' for Enable/Disable ICM Call, then ICM Call status is changed (toggle setting). If ICM call is enabled then the LCD displays "**I(O)**"; if ICM call is disabled then the LCD displays "**I(X)**".

100 (CLEAN) COS11 I (X) G (..) ...

100 (CLEAN) COS11 I (O) G (..) ...

- 4) Press the **[HOLD/SAVE]** button, then the system permanently updates the database and check-in/change status of the room returns to Step 3) for further check-in/change.

Condition

1. Guest stations can call Attendant Stations and Service Stations even though ICM call is disabled.
2. After Check-In, ICM Call Status is disabled for Next Guest. By default, Room Station disables to call another station in the system (Default=ICM Call Enable in Italy/Denmark/Spain/Israel/Turkey/Thailand/Cyprus/Russia).
3. Guests can call other stations in the same Room-to-room Group even if ICM Call is disabled, that is Room to room Call Group is higher priority than ICM call Enable/Disable.

Programming

Related Features

Networking Call is also affected by this field.

Hardware

2.4.6 Register/Change Room-To-Room Call Group (changed)

Description

Stations in the system can be arranged for up to 100 Room-to-Room Call Groups at System Attendant. Each Room-to-Room Call Group can contain an unlimited number of stations. A guest station belongs to only one Room-to-Room call group and can call other guest stations in the same Room-to-Room call group.

Operation

To Register/Change Room-To-Room Call Group:

TRANS / PGM	+ #11	Room No. + (.....)	SPEED	+ 5 +	Group No. (00 - 99)	+ HOLD / SAVE
------------------------------	-------	-------------------------	--------------	-------	--------------------------	--------------------------------

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or pressing the associated {DSS} button, and press the **[SPEED]** button.
LCD shows current status of the (first) entered Room No. When a Room No. is selected, the LCD displays the status of previous/next Room by pressing **[DOWN]/[UP]** key. If the (first) entered Room No. is 100, then the LCD displays Room Status as shown,

100 (CLEAN) COS11...I (X) G (..)...
--

Ex.,

If the default value is assigned for Room 100 of a Room-to-Room call group, default value is displayed as shown,

100 (CLEAN) COS11...I (X) G (03)...
--

- 3) Dial '5' to Register/Change the Room-to-Room Call Group.
- 4) Enter Room-to-Room Call Group No. (00 - 99), LCD shows the temporarily updated database.
- 5) Press **[HOLD/SAVE]** button; the system permanently updates the database and check-in/change status of the room and returns to Step 3) for another check-in/change.

Condition

1. Guest stations can call Attendant Stations and Service Stations even though the station may not belong to the same Room-to-Room Call Group.
2. Default Room-to-Room Call Group is assigned by Room-to-Room Call Group ATD PGM feature.
3. After Check-Out, Room-to-room call group expires and returns to the default.
4. Guests can call other stations in the same Room-to-room Group even if ICM Call is disabled; Room-to-Room Call Group has higher priority than ICM Call Enable/Disable.

Programming

Related Features

Room-to-Room Call Group System ATD PGM Feature.

Hardware

2.4.7 Register/Change Authorization Code

Description

This feature provides a means for verification with three type usage; this feature is not available in the UK and USA where only System level Authorization Codes is used.

1) To access denied Co Line

If the Co Line that is set Co Access flag is seized, user should enter his/her Authorization Code for Co Line access verification. If Authorization Code is matched, Co Dial Tone is presented, otherwise Co Line cannot be accessed and an Error-Tone is presented.

2) To access another Co Line in the system by DISA caller

If DISA caller seizes another Co Line in the system and the DISA access flag is set in accessed DISA line, the Authorization Code must be entered for access verification.

3) To access a Co Line from a Service Station

If user wants to seize a Co Line from a Service Station, enter the appropriate Authorization Code for Co Line access verification.

NOTE: Authorization Codes cannot be duplicated, so the system attendant can not assign a single authorization code to multiple rooms.

Operation

To Register/Change Authorization Code:

TRANS / PGM + #11 + Room No. + **SPEED** + 6 + Auth. Code + **SPEED**
 (**)
 (Max 12 digits)
 +
HOLD / SAVE

(**) codes cannot be used across multiple rooms.

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or press the associated {DSS} button, the LCD shows the current status of Room No. In case that a Room No. is selected, the LCD displays the status of the previous/next Room if by **[DOWN]/[UP]** key. For example, when entering Room No. 100, LCD displays Room Status as shown,

100 (CLEAN) COS11 I (X) G (..) ...

If Authorization Code is registered, LCD displays "A" as shown,

100 (CLEAN) COS11 I (X) G (..) A ..
--

- 3) Dial '6' for Register/Change Authorization Code,
- 4) Enter Guest's Authorization Code (Max 12 digits), LCD shows temporarily updated database ("A"). To save under 12digits authorization code press "Speed Key"
- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database and check-in/change status of the room, returns to Step 3) for another check-in/change.

Condition

1. Co Lines can be marked to deny access until a matching Authorization code is entered. In this case, the *DND warning tone* is provided when the Co Line is accessed. If the dialed Authorization code is verified, the CO dial tone will be heard. Otherwise, the *Error tone* will be heard and cannot access the CO line.
2. When DISA is marked for authorization code, if the DISA user wants to seize another Co Line in the system, the caller will hear the *DND warning tone*. The Authorization Code must be entered to access the DISA feature.
3. When guest wants to seize a Co Line from a Service station, the *DND warning tone* or DISA Announcement will be heard; enter the Authorization Code to access the Co Line. If the code matches, the line will be seized, otherwise the error-tone is heard.
4. Authorization codes may be entered at any station to access the CO Line.

Programming

TABLES DATA

System Authorization Codes Table

CO LINE DATA

Common Attributes ► CO/IP Group Authorization /
DISA Account Code

Related Features

Hardware

2.4.8 Register/Change Prepaid Money

Description

This feature allows the guest station to register or change prepaid money.

Operation

To Register/Change Prepaid Money:

TRANS + #11 + Room No. + **SPEED** + 7 + Prepaid Money + **HOLD**
/ PGM (..... +) **/ SAVE**

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or pressing the associated {DSS} button, and press the **[SPEED]** button.
LCD shows current status of the (first) entered Room No. In case that a Room No. is selected, LCD displays the status of previous/next Room by pressing **[DOWN]/[UP]** key. For example, if the (first) entered Room No. is 100, the LCD displays Room Status as shown,

100 (CLEAN)
COS11 I (X) G (.) . . .

If Prepaid Money is registered, LCD displays "P" for Prepaid.

- 3) Dial '7' for Register/Change Pre-paid Money.
- 4) Enter Prepaid Money (Fixed 6 digits, or less than 6 digits + **[SPEED]** key), LCD shows temporarily updated database ("P") as shown,

100 (CLEAN)
COS11 I (X) G (.) . P .

- 5) Press the **[HOLD/SAVE]** button, the system permanently updates the database and check-in/change status of the room, returns to Step 3) for another check-in/change.

Condition

Programming

Related Features

Hardware

2.4.9 Assign Call Charge Rate

Description

This feature allows system attendant to assign a Call Charge Rate to rooms at the time of check-in.

Operation

To Assign Call Charge Rate:

TRANS / PGM	+ #11 +	Room No. + (..... +)	SPEED	+ 8 +	Call Charge Rate Bin No +	HOLD / SAVE
------------------------	---------	---------------------------	--------------	-------	---------------------------	------------------------

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or press the associated {DSS} button, and press the **[SPEED]** button; the LCD shows the current status of the (first) entered Room No. In case that a Room No. is selected, the LCD displays the status of previous/next Room by pressing **[DOWN]/[UP]** key. For example, if the (first) entered Room No. is 100, the LCD displays Room Status as shown,

100 (CLEAN) COS11 I (X) G (.) . . 1
--

If Call Charge Rate is assigned, LCD displays the assigned rate (ex: 1), otherwise "." is displayed,

- 3) Dial '8' for Assigning/Change Call Charge Rate,
- 4) Enter Call Charge Rate Bin No. (1 digit), or press the **[SPEED]** button to erase. The LCD shows the temporarily updated database (ex., **[SPEED]** button to erase),

100 (CLEAN) COS11 I (X) G (.) . . .
--

- 5) Press **[HOLD/SAVE]** button; the system permanently updates the database, and returns to Step 3) for another check-in type (registering or changing).

Condition

1. The number of supported bins is 6 (0 to 5).

2. If Call Charge Rate is not assigned, SMDR call charge is applied.
3. Only a registered bin no can be used; if an un-registered bin no is used, an error tone is provided.
4. A default Call charge rate bin number is assigned to the room by Attendant feature code #61.
5. After Check-out, the registered call charge rate expires and returns to the default.

Programming

CO LINE DATA	Analog Attributes ► SMDR Metering Unit
HOTEL DATA	Call Charge Rate
SYSTEM DATA	SMDR Attributes ► SMDR Cost Per Metering Pulse / SMDR Decimal Location / Start Timer

Related Features

Hardware

2.4.10 Choose Language

Description

This feature allows system attendant to assign a language to each rooms at the time of check-in.

Operation

To Assign Room Language:

TRANS / PGM	+ #11 +	Room No. + (..... +)	[SPEED]	+ 9 +	Enter Multi Language No (1-6) +	HOLD / SAVE
------------------------	---------	---------------------------	----------------	-------	------------------------------------	------------------------

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or press the associated {DSS} button, and press the **[SPEED]** button; the LCD shows the current status of the (first) entered Room No. In case that a Room No. is selected, the LCD displays the status of previous/next Room by pressing **[DOWN]/[UP]** key. For example, if the (first) entered Room No. is 100, the LCD displays Room Status as shown,

100 (CLEAN) COS11 ... I (X) G (..) ...

- 3) Dial '9' for Assign Multi language.
- 4) Enter Multi Language No. (1 digit (1-6)), or press the **[SPEED]** button to erase. The LCD shows the temporarily updated database (ex., **[SPEED]** button to erase),

100 (CLEAN)
COS11 I (X) G (...) ...

- 5) If user wants to check updated status for Multi Language, press [#].

100 (CLEAN)
M (5) W (00)

- 6) User can see M (5), M means Multi Language, 5 means language 5.
- 7) Press **[HOLD/SAVE]** button; the system permanently updates the database, and returns to Step 3) for another check-in type (registering or changing).

Condition

1. "Check in Language Info"(PGM300-F10) should be ON.
2. The number of supported number is 6 (1 to 6).
3. After Check-out, the registered multi language value returns to the default.
4. Default value is 1(first language).

Programming

Related Features

Hardware

2.4.11 Wake-Up Announcement

Description

This feature allows system attendant to assign a wake-up announcement to each rooms at the time of check-in.

Operation

To Assign wake-up announcement:

TRANS / PGM + #11 + Room No. + **SPEED** + * + Enter Wake-Up Announcement No (00-70) + **HOLD / SAVE**

- 1) Press **[TRANS/PGM]** button, and Dial "#11" for Check-in/Change Room Status.
- 2) Dial Room No. or press the associated {DSS} button, and press the **[SPEED]** button; the LCD shows the current status of the (first) entered Room No. In case that a Room No. is selected, the LCD displays the status of previous/next Room by pressing

[DOWN]/[UP] key. For example, if the (first) entered Room No. is 100, the LCD displays Room Status as shown,

100 (CLEAN) COS11 I (X) G (. .) . . .

- 3) Dial ****** for Assign Multi language.
- 4) Enter Wake Up Announcement No. (2 digit (00-70)), or press the **[SPEED]** button to erase. The LCD shows the temporarily updated database (ex., **[SPEED]** button to erase),

100 (CLEAN) COS11 I (X) G (. .) . . .

- 5) If user wants to check updated status for Multi Language, press **[#]**.

100 (CLEAN) M (5) W (33)

- 6) User can see **W (33)**, means Wake-Up Announcement number 33.
- 7) Press **[HOLD/SAVE]** button; the system permanently updates the database, and returns to Step 3) for another check-in type (registering or changing).

Condition

1. "Check in Language Info"(PGM300-F10) should be ON.
2. The number of supported number is 71 (00 to 70).
3. After Check-out, the registered multi language value returns to the default.
4. Default value is 0. 0 means system wake-up prompt is provided, not provided recorded announcement(01 -70)

Programming

Related Features

Hardware

2.5 CHECK-OUT

Description

This feature allows the System Attendant to check-out a guest room. The System Attendant selects the method of payment among registered forms according to guest's payment method.

Operation

To Check-Out Guest Room with method of pay:

TRANS/ PGM	+ #12 +	Room No. + (..... +)	SPEED	+ Bin No +	HOLD/ SAVE
------------	---------	---------------------------	-------	------------	------------

To Check-Out Guest Room without method of pay:

TRANS/ PGM	+ #12 +	Room No. + (..... +)	HOLD/ SAVE
------------	---------	---------------------------	------------

- 1) Press the **[TRANS/PGM]** button; the **[TRANS/PGM]** button will flash at approx. 60 ipm and the **[MON]** LED will light steady. Press the dial **Code #12**; confirmation tone will be heard provided. If check-out DSS button is programmed, just the programmed DSS button instead of **[TTRANS/PGM]** and Code #12.
- 2) Dial Room No. or press the associated {DSS} button; the LCD shows Room No & the guest name. For multiple Check-out, Dial Room No. or press the associated {DSS} button successively; the LED of the associated {DSS} button will extinguish (OFF).
- 3) To select the method of payment press the **[SPEED]** button. Then press bin number for the method of payment you want, and press the **[HOLD/SAVE]** button; the LCD shows the method of payment. To view other registered methods of payment, press the **[DOWN]/[UP]** key; the LCD displays the next registered method. If you don't want to select method of payment, just press the **[HOLD/SAVE]** button without pressing **[SPEED]** and bin number. The method of payment will not display on the guest's bill. After pressing **[HOLD/SAVE]** button, room(s) is (are) checked-out and confirmation tone is provided.
- 4) To check-out more rooms, return to Step 2).

Condition

1. When Check-Out is done by System Attendant, Maid status of the room is automatically changed to "DIRTY (To be cleaned)". And followings items are automatically cleared in preparation for the next guest:

Clear Fields

Message Waiting / Guest Name / DND / Wake-Up Time /
Call Forward Status / Authorization Code / Maid Status / Station COS (77) /
Prepaid Money.

NOTE: In Australia – Do not cancel Call Forward No Answer, Busy to VSF

Set Fields

ICM Disable / LCD language (go to system attendant's language) /
 Room-to-room Call Group (default Group no defined at ATD PGM #41) /
 Call charge rate (default call charge rate assigned at ATD PGM #61)

- When performing the Check-Out Process, Room Total Charge is printed through RS232-C port and printed format is as shown below. If the hotel name is registered, then the hotel name is printed in place of HOTEL NAME. Otherwise, this row is not. And if you select method of payment it was printed. Otherwise that row is not printed.

HOTEL NAME
TOTAL CHARGE IN ROOM 100 (Guest-Name :)

Check - In : 94/12/26-18
 Check - Out : 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 : (rate 02 : GOLD)	300000	30000(10.00%)	330000
(2) CALL CHARGE :	17000	170(10.00%)	17170
(3) BAR CHARGE :	8000	130	8130
(4) PRE-PAID :			-20000

Method of payment : VISA

TOTAL :	335300 WON
---------	------------

NOTE: Currency Unit/SMDR Fraction depend on Admin Programming 177

- The information print of Guest Room can be blocked by ADMIN 300, 3rd Button.
- Maximum check-out room count at the same time is 5.

Programming

SYSTEM DATA SMDR Attributes ► Long Distance Call Digit Counter /
 Long Distance Call Code

HOTEL DATA Hotel Attributes ► Method Of Payment /
 Check In/Out On-line Print

Related Features

Register Hotel Name.

Hardware

2.6 ROOM CHARGE DISPLAY & Deleting Service Station's SMDR Record

Description

System Attendant can view the Total Charge of a single room or multiple rooms on the LCD display, and can print guest room SMDR Records through the RS232-C port or delete service station's SMDR Record.

Operation

To display Room Charge Information (total charge only):

TRANS/ PGM	+ #21 +	Station No. + (..... +)	HOLD/ SAVE
------------	---------	------------------------------	------------

To display Room Charge Information (for detail information):

TRANS/ PGM	+ #21 +	Station No. + (..... +)	# +	HOLD/ SAVE
------------	---------	------------------------------	-----	------------

- 1) Press **[TRANS/PGM]** button; it will flash at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **Code #21**; confirmation tone is provided.
- 3) Dial Room No.; LCD shows Total Charge for that room. If entering other Room No., the LCD will show Total Charge Summation of those rooms (Room Range is not supported for this function).
- 4) To print total cost, just press the **[HOLD/SAVE]** button. To print detail room charge, dial **Code '#'** and then press **[HOLD/SAVE]** button; the system prints a detailed room charge of rooms through RS232-C port. Here, Code # is a toggle key between printing total cost and printing detailed room charge (default = total cost).

To delete a Room or a Service Station's SMDR record:

TRANS/ PGM	+ 0 + 1 + 1 + 2 +	[Number Range] or [Number + *]	+	HOLD/ SAVE
------------	----------------------	-----------------------------------	---	------------

- 1) Press **[TRANS/PGM]** button; it will flash at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **Code 0112**; confirmation tone is provided.
- 3) Dial Room number range or Service station's number range, or dial [number + *]. It means choose one room number.
- 4) Press **[HOLD/SAVE]** button; the system deletes detail call charge.

Printing Format

- 1) Detailed Information Print Format (ex. room 100, 102),

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	o00182343507951	0	0	Unanswered
12 / 27 - 13:30	01	00:01:23	O00182343507951	3	1500	
12/28-21:22	02	00:10:18	O00182343507953	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 : (rate 02 : GOLD)	300000	30000(10.00%)	330000
(2) CALL CHARGE :	17000	170(10.00%)	17170
(3) BAR CHARGE :	8000	130	8130
(4) PRE-PAID :			-20000

Method of payment : VISA

TOTAL :

335300

WON

NOTE: Currency Unit/SMDR Fraction depends on Admin Programming 177

HOTEL NAME

TOTAL CHARGE IN ROOM 102 (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	o00182343507951	0	0	Unanswered
12/27-13:30	01	00:01:23	O00182343507951	3	1500	
12/28-21:22	02	00:10:18	O00182343507953	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 : (rate 02 : GOLD)	300000	30000(10.00%)	330000
(2) CALL CHARGE :	17000	170(10.00%)	17170
(3) BAR CHARGE :	8000	130	8130
(4) PRE-PAID :			-20000

Method of payment : VISA

TOTAL :	35300	WON
---------	-------	-----

NOTE: Currency Unit/SMDR Fraction depends on Admin Programming 177

2) Total Charge Print Format:

■ Echo Mode

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

&SM000100	20000	53000	330000&SM000102	20000	14600-	5400
&SM01	40000	67600	27600			

cf.) In Non-Echo Mode & SM00 means the string is about station and &SM01 means total information.

- 3) Detailed Information Print Format for service station (ex. Service station 101);

HOTEL NAME
TOTAL CHARGE IN SERVICE STATION 101 (Front-desk)

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	o00182343507951	0	0	Unanswered
12 / 27 - 13: 30	01	00:01:23	O00182343507951	3	1500	
12/28-21:22	02	00:10:18	O00182343507953	31	15500	

Item	Charge	Tax(rate)	Sum
(1) CALL CHARGE :	17000	170(10.00%)	17170
(2) PRE-PAID :			- 0

TOTAL :	17170	WON
---------	-------	-----

NOTE: Currency Unit/SMDR Fraction depend on Admin Programming 177

Condition

1. In case of UCP system, Total number of SMDR Records = 30,000 entries, total number of BAR Records = 30,000 entries.
2. In case of eMG system, Total number of SMDR Records = 10,000 entries, total number of BAR Records = 10,000 entries.
3. If Available SMDR records <= 50 entries, then the System ATD will receive the SMDR Full Warning Tone.
4. When there are no longer any available SMDR records, the system will not be able to record further SMDR information, so Co Line access is denied
5. If Available BAR records are 200 entries, then System ATD receives BAR Full Warning Tone.
6. Finally there is no available BAR record, then system cannot record further BAR information and registering bar item at service station is denied.
7. SMDR and BAR Detailed Record and total Room Charge for the room is deleted prior to next guest's room check-in.
8. After printing, the system sends a Form Feed.
9. The information print of Guest Room can be blocked by ADMIN 300, 3rd Button.

Programming

HOTEL DATA

Hotel Attributes ► Check In/Out On-line Print

Related Features

Hardware

2.7 PRINT ROOM STATUS through RS232-C

Description

This feature allows printing room status through RS232-C.

Operation

To print Room Status:

TRANS/ PGM + #22 + Room Range + **HOLD/ SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** LED flashes at approx. 60 ipm, and the **[MON]** LED lights steady.
- 2) Dial **Code #22**; confirmation tone will be heard,
- 3) Dial Room range and press **[HOLD/SAVE]** button; confirmation tone is provided,

Condition

1. Service Stations within Room Range are not printed.
2. If Room is vacant, then only Maid Status is printed for the room.
3. Room Status is printed through RS232-C port and printed format is as shown:

Status											
S	ROOM	CHECK_IN	GUEST_NAME	COS	ICM	GRP	WAKE	AUTH	PRE-PAID	C-RT	CHARGE
C	0100	12/29-23	C.H. Kim	1	Yes	..	....	No	20000	.	12345
C	0102	12/25-18	C.B. Choi	1	No	..	07:00	No	0	1	500000
C	0103	12/29-15	I.S. Lee	1	No	..	08:00	Yes	0	2	500
D	0104	Vacant									
C	0105	Vacant									

- S means maid status and C clean and D dirty.
- C-RT means call charge rate.
- PRE-PAID and CHAGE use the SMDR fraction which is registered ADM PGM.

4. The information print of Guest Room can be blocked by ADMIN 300, 3rd Button.

Programming

SYSTEM DATA	SMDR Attributes ► Long Distance Call Digit Counter / Long Distance Call Code
HOTEL DATA	Hotel Attributes ► Method Of Payment / Check In/Out On-line Print

Related Features

Check-In / Check-Out

Hardware

2.8 INTERCOM CALL DISABLE / ENABLE

Description

This feature disables or enables a guest station to call all other stations in the system.

Operation

To enable ICM Call:

TRANS/PGM + #31 + Room Range + **HOLD/SAVE**

To disable ICM Call:

TRANS/PGM + #32 + Room Range. + **HOLD/SAVE**

Condition

1. Guest stations can call Attendant Stations and Service Stations even though ICM call is disabled.
2. After Check-In, ICM Call Status is disabled for Next Guest. By default, Room Station is disabled from calling another station in the system (Default=ICM Call Enable in Italy/Denmark/NZ/Spain/Turkey).
3. Guests can call other stations in the same Room-to-room Group even if ICM Call is disabled; Room-to-room Call Group has a higher priority than ICM call Enable/Disable.

Programming

Related Features

Room-to-Room Call Group

Attendant Station

Hotel Service Station

Hardware

2.9 DEFAULT ROOM-TO-ROOM CALL GROUP

Description

This feature allows the System Attendant to assign or change Room-to-Room Call Groups among Stations. Stations in the System can be arranged in up to 99 Room-To-Room Call Groups by the System Attendant. Each Room-to-Room Call Group can contain an unlimited number of stations. A guest station can belong to only one Room-to-Room Call Group; Stations can call other Guest Station in the same Room-to-Room Call Group.

Operation

To set Room-To-Room Call Group:

TRANS/PGM + **#41** + Grp No. + Room Range + **HOLD/SAVE**
(00~99)

To erase Room-To-Room Call Group:

TRANS/PGM + **#42** + Room Range + **HOLD/SAVE**

Condition

1. View group members with a specific group number using the Room-to-Room Call Group setting feature. After pressing **[TRANS/PGM]**, **Code #41** and the appropriate Group number, the LCD displays members of the entered group; use the Volume UP/DOWN keys to display other members of that group.
2. Changing Room-to-Room call groups using this feature will not effect on rooms currently occupied, but will update following rooms' check-out.
3. Guest station can call Attendant Stations and Service Stations whether or not station belongs to the Room-To-Room Call Group.
4. After Check-Out , Room-to-Room call group updates to changes made using this feature; on next guest check-in, Room-to-Room Call Group will be as determined.
5. By default, Room-to-Room Call Group is not assigned.
6. Guests can call other Stations in the same Room-to-Room Group even if the ICM Call feature is disabled; Room-to-Room Call Group has higher priority than ICM call Enable/Disable.

Programming

Related Features

Check-In

Hardware

2.10 ONE-TIME CO CALL ENABLE

Description

On guest's request, System Attendants can enable one-time CO call to Intercom Only Station; the calling station's COS will be temporarily changed. The Guest will be able to make only one external call for one request. After the Co Line Call, calling Information is printed through RS-232.

Operation

To enable ICM Only Station to dial outside calls.

TRANS/PGM + #43 + Calling Sta. No. + Charged Sta. No. + **HOLD/SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button will flash at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **Code #43**; the confirmation tone will be heard.
- 3) Dial Calling Station No. and then Charged Station No.
- 4) Press **[HOLD/SAVE]** button, confirmation tone is provided and one-time Co Line Call is activated at the calling station.

Condition

1. Charged station must be the Checked-In Room Station. (Calling station must be the checked-In room station or service station)
2. At the end of the call, the Station can not access the Co Line.
3. Calling Station's COS is changed to the Charged Station's COS temporarily.
4. Charged Station will pay for the call charge.
5. Print Format (as shown below): Station field=charged station, Remark field =calling station (ex., calling sta=112, charged sta=104)

No	STA	CO	TIME	START	DIALED	COUNT	COST	Remark
0001	104	01	00:01:23	12/29/94 08:16	O001034507950	3	500	R 0112

6. Cost is calculated using charged Station's call charge rate.
7. This feature is not support CPU redundancy.

Programming

Related Features

Hardware

2.11 CHANGE LCD DISPLAY LANGUAGE

Description

This feature allows System Attendant to change the LCD Language of any key station; the System supports 15 different LCD Languages.

Operation

To set the LCD Language type (By Attendant)

TRANS/PGM + **076** + Start Room No. + End Room No. + Type + **HOLD/SAVE**

Condition

1. Default LCD Language depends on Nation Code entered in Admin Programming.
2. Language Type is:

00 – English	01 – Italian	02 – Finnish
03 – Dutch	04 – Swedish	05 – Danish
06 – Norwegian	07 – Hebrew	08 – German
09 – French	10 – Portuguese	11 – Spanish
12 – Korean	13 – Estonian	14 – Russian
15 - Turkish	16 – Polish	17 - Greek
3. Allows the Attendant Station to change the LCD Display Language. For the Other stations, PGM 71 operates LCD Language Toggle Changing Feature (English/Domestic).
4. On Check-Out, the room's LCD language defaults to the same language as the FRONT DESK LCD language.

Programming

Related Features

Hardware

2.12 REGISTER BAR AND MINI-BAR CHARGE

Description

Guests may pay for charges for Service Station or mini-bar at the time of check-out. Bar terminal operator registers guest's charge using the following procedure. Mini-bar charge for each room is registered by the System Attendant (Front desk service station), other Service Stations and room. Registered Bar or Mini-bar Charge is stored in the BAR record in system and will be displayed or printed at the time of Hotel Charge Display and Hotel check-out.

Generally, almost Room station is SLT.

For SLT room Guest, Bar announcement and VSF announcement can be served.

In (Hotel Data ► Hotel Attributes ► MiniBar Announcement), MiniBar announcement can be programmed.

By hearing MiniBar announcement, SLT room Guest can register MiniBar record more easily.

Operation

To Register Bar Charge with total amount at Service station or Mini-Bar Charge at Service station:

TRANS /PGM	+ 63 +	Room No. +	Product Code +	(Mini) Bar Cost +	HOLD /SAVE
TRANS /PGM	+ 67 +	Room No. +	Product Code +	No of items +	HOLD /SAVE
SLT Program code (561)	+ 67 +	Bar Announcement is played.	Room No. +	product Code +	Product Code that guest press is played
number of items +	Number of items that guest press is played.	+ Press # button	Confirm Tone is heard and Bar Record is saved.		

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **Code #64 (or 63)**; confirmation tone is heard,
- 3) Dial Room No, Product code (2digits) and (Mini-) Bar Cost (up to 6 digits); the LCD shows Room No, (Mini-) Bar Cost, Item's Name of Bar Cost. If (Mini-) Bar Cost is less than 6 digits, user must press the **[SPEED]** button, indicating the end of (Mini-) Bar Charge.
- 4) Press **[HOLD/SAVE]** button; the (Mini-) Bar Cost is registered and SMDR Information for the (Mini-) Bar Cost is printed through RS-232C.
- 5) Before pressing the **[HOLD/SAVE]** button, toggle plus cost or minus cost by pressing **[SPEED]** button.

To Register Bar Charge with total amount at room:
- SLT(LIP-8004D) or without LCD phone

SLT Program Mode + 63 + Product Code + (Mini) Bar Cost +
Access code
(561)

- Other Phones with LCD

TRANS + 63 + Product Code + (Mini) Bar Cost + **HOLD**
/PGM **/SAVE**

To Register Bar Charge with number of items at room: (the cost should be registered in Hotel Data ► MiniBar List)

- SLT(LIP-8004D) or without LCD phone

SLT Program Mode + 67 + Product Code + No of items
Access code
(561)

- Other Phones with LCD

TRANS + 67 + Product Code + No of items + **HOLD**
/PGM **/SAVE**

By using Bar announcement, To Register Bar Charge with number of items at room at SLT room.

SLT Program Mode	+ 67 +	Bar Announcement	+ Dial product
Access code		is played.	Code.
(561)			
Product Code that	+ Dial number of items +	Number of items	+ Press # button
guest press is played		that guest press	for confirmation.
		is played.	

Condition

1. System sends the following information to the printer in order: charging station number, charged date/time, FRONT-DESK in case of mini-bar or Service Station's name for the other charge, product name and cost. Print format is as shown,

// 100	12/30-22:12	(mini-bar)	BEER	50000	(At room)
// 100	12/30-22:12	RECEPTION	BEER	50000	(At service station)

2. The bar and mini-bar cost will be included as part of the total room charge.
3. The unit of cost and fraction are the same as SMDR currency unit and SMDR fraction.
4. Each service station and mini-bar's product codes must be registered by (Hotel Data ► MiniBar List) prior to using this feature.

Programming

HOTEL DATA

MiniBar List

Related Features

Hardware

2.13 MAID STATUS

Description

This feature allows the Maid or Attendant to update maid status for any room. Updated maid status information is printed through RS-232C. The Front-Desk can also view the maid status using the room status feature.

Room status will be one of the following:

CLEAN / DIRTY / INSPECT / OUT OF SERVICE

Operation

To register "Cleaned" at a guest station by maid:

TRANS/PGM + 64

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **TRANS/PGM 64**; Confirmation Tone is received and changed maid status of the room is printed through RS-232C.
- 3) In case of SLT ; PROGRAM MODE ACCESS CODE + 64

To register "Cleaned" by attendant:

TRANS/PGM + #81 + **Room Range** + **HOLD/SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **Code #81**; Confirmation Tone is heard.
- 3) Dial Room range; Confirmation Tone is heard.
- 4) Press **[HOLD/SAVE]** button; the maid status for the room should be changed to 'clean', and confirmation tone is provided (changed maid status of room is printed through RS-232C).

To register "Dirty (To Be Cleaned)" at a guest station by maid:

TRANS/PGM + 65

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **TRANS/PGM 65**; the Confirmation Tone is received and changed maid status of the room is printed through RS-232C.
- 3) In case of SLT ; PROGRAM MODE ACCESS CODE + 65

To register "Dirty (To Be Cleaned)" by attendant:

TRANS/PGM + #82 + **Room Range** + **HOLD/SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **Code #82**; Confirmation Tone is heard.
- 3) Dial Room No range; Confirmation Tone is heard.
- 4) Press **[HOLD/SAVE]** button; the rooms' maid status is changed to 'dirty' and confirmation tone is provided (changed maid status of rooms is printed through RS-232C).

To register "Inspected" at a guest station by maid:

TRANS/PGM + 66

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 2) Dial **TRANS/PGM 66**; Confirmation Tone is received and changed maid status of the room is printed through RS-232C.
- 3) In case of SLT ; PROGRAM MODE ACCESS CODE + 66
- 4) There is Manager Code option in PGM 301. If this option is set to ON, manager code can be entered when room is inspected.
- 5) Dial TRANS/PGM 66, then LCD show [ENTER ACCOUNT CODE] instead of hearing confirmation tone.
- 6) Dial manager's own code and #.
- 7) Confirmation tone is received, and changed maid status is printed through the RS-232C.

To register "Inspected" by attendant:

TRANS/PGM + #83 + **Room Range** + **HOLD/SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 3) Dial **Code #83**; Confirmation Tone is heard.
- 4) Dial Room range; Confirmation Tone is heard.
- 5) Press **[HOLD/SAVE]** button; the maid status for the room should be changed to 'inspect', and confirmation tone is provided (changed maid status of room is printed through RS-232C).

To register "Out Of Service" at a guest station by maid:

TRANS/PGM + 68

- 8) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 9) Dial **TRANS/PGM 68**; Confirmation Tone is received and changed maid status of the room is printed through RS-232C.
- 10) In case of SLT ; PROGRAM MODE ACCESS CODE + 68

To register "Out Of Service" by attendant:

TRANS/PGM + #84 + **Room Range** + **HOLD/SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.
- 4) Dial **Code #84**; Confirmation Tone is heard.
- 5) Dial Room range; Confirmation Tone is heard.

- 6) Press **[HOLD/SAVE]** button; the maid status for the room should be changed to 'OOSVC', and confirmation tone is provided (changed maid status of room is printed through RS-232C).

Condition

1. Maid status is automatically set to "Dirty (To be cleaned)" after check-out has been completed by the System Attendant.
2. To view a specific room's maid status, use the check-in feature. To view and print a room's maid status use printing room status feature.
3. Format of printed maid status of rooms through RS-232C is as shown:

//7008 CLEAN 20/02/02-20:38 E

//7008 DIRTY 20/02/02-20:38 O

//7008 INSPT 20/02/02-20:38 E

//7008 OOSVC 20/02/02-20:38 O

//7008 INSPT 20/02/02-20:47 E 123456

//7008 INSPT 20/02/02-20:47 O 789789789

E means Room is Empty, O means Room is occupied.
123456 and 789789789 is manager code.

Programming

Related Features

Hardware

2.14 MAID STATUS (Choice) – For checking Room Discrepancy

Description

This is only used for Fidelio Interface – Room Discrepancy feature.

This feature allows updating maid status for any room by Maid.

Updated maid status information is printed through RS-232C.

Room status will be one of the following:

1. DIRTY / VACANT
2. DIRTY / OCCUPIED
3. CLEAN / VACANT
4. CLEAN / OCCUPIED
5. INSPECTED / VACANT
6. INSPECTED / OCCUPIED
7. OUT OF SERVICE / VACANT
8. OUT OF SERVICE / OCCUPIED
9. MAID ADDITIONAL STATUS 1
0. MAID ADDITIONAL STATUS 2

By Maid own decision, these statuses can be chosen.

If Maid sends PGM 69 + 1, but system status is Occupied status, then room discrepancy is happened.

Operation

TRANS/PGM

+ 69 + [1 – 0]

Condition

1. If you do not want to use Room discrepancy feature in Fidelio interface, PGM 64 / PGM 65 / PGM 66 / PGM 68 codes are recommended.

Programming

Related Features

Hardware

2.15 BATH ALARM

Description

When the handset is lifted at a station with the bath alarm device, and no other action is taken for the pre-defined time (Dial-Tone Timer + Bath Alarm Timer), the Alarm Ring and an LCD Indication is presented to System Attendant Station. System Attendant can cancel Bath Alarm Ring by dialing Station No. ({DSS} button), but the alarm condition remains active; Bath alarm ring is not removed.

Operation

To set Bath Alarm Device by attendant:

TRANS/PGM + #71 + **Room Range** + **HOLD/SAVE**

To disable Bath Alarm Device by attendant:

TRANS/PGM + #72 + **Room Range** + **HOLD/SAVE**

To reset Bath Alarm Ring:

- 1) Lift handset or press **[MON]** button,
- 2) Dial Station No., or press the associated {DSS} button at the System Attendant station, if Bath Alarm Condition is already cleared, the Bath Alarm ring is removed. Otherwise, Bath Alarm Ring is still presented.

Condition

1. Bath Alarm Call (Ring) is generated at only the station with Bath Alarm Device, which is registered at ADM PGM 301 or by the System Attendant.
2. The Bath Alarm Call (Ring) cannot be forwarded as a normal call.
3. System Attendant can cancel the Bath Alarm Ring, but if the Bath Alarm Condition is still active, Bath Alarm Ring is not removed; final reset is possible only if the alarm condition has been cleared.
4. When the Bath Alarm occurs and is erased by the Attendant, the message with time of Alarm is printed through RS-232C.

Programming

HOTEL DATA

Hotel Attributes ► Bath Alarm Timer /
Hotel Room Attributes ► Bath Alarm

Related Features

Warm Line - when set, and the warm line destination is Group or Station, the Emergency signal is printed on a terminal through RS-232C (implemented for ITALY).

Hardware

2.16 ROOM RATE ASSIGN

Description

This feature allows the System Attendant to assign a room rate to individual rooms from 20 different rates. This program is also possible to set up in the Admin program. This information is included in the Total Room Charge Bill that is printed out on SMDR upon request and on Check-Out.

Operation

Room Type and Rate program at the attendant (all FRONT-DESK):

TRANS/ PGM	+ #51 +	Room Rate Bin No. + Room cost and Name(with Flex Btn) +	HOLD/ SAVE
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- 1) Press the **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm, the **[MON]** LED lights steady.
- 2) Dial **Code #51**; the confirmation tone is heard, the LCD displays the room cost and room type name of the first room rate bin as shown,

RATE (00)
 0000000
- 3) To program another Room Rate Bin No. not currently displayed, Dial the Room Rate Bin No.; the LCD displays the selected Room Rate bin room cost and room type name.
- 4) To assign room cost, press the FLEX button 1 and Dial room cost (7 digits)..
To assign room type name, press the FLEX button 2 and enter the Room Type name (up to 6 characters). Press the speed button to assign less then 6characters.
- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database and returns to Step 3) for programming more Room Rate Bins.

To assign a Room rate to rooms:

TRANS/ PGM	+ #52 +	Room Range +	Room Rate Bin No. +	HOLD/ SAVE
-------------------	---------	--------------	---------------------	-------------------

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm, the **[MON]** LED lights steady.
- 2) Dial **Code #52**, the confirmation tone is heard.
- 3) Enter Room range; the LCD displays currently assigned Room Rate Bin No. of the first room of selected range. For example, if selected rooms are 100 - 105, LCD displays:

100 - 105
00 : 0020000 SINGLE
- 4) To assign a Room Rate Bin, dial Bin No. (00-19).
- 5) Press **[HOLD/SAVE]** button, the system permanently updates the database. Return to step 3) for another Room Rate Assignment.

Condition

Programming

HOTEL DATA

Room Class

Room Class Rate

Related Features

Hardware

2.17 DEFAULT CALL CHARGE RATE

Description

This feature allows the System Attendant to assign a Call Charge Rate to an individual room or Service Station in order to change the call charge. To use this feature, the System Attendant must first register the desired Call Charge Rate Bin before assigning the Call Charge Rate to individual rooms. Call Charge Rate is the percentage (call charge rate) of SMDR call charge.

Operation

To register and change Call Charge Rate at the attendant (all FRONT-DESK):

TRANS / PGM + #61 + Call Charge Rate Bin No. + Call Charge Rate and Type + **HOLD / SAVE**

- 1) Press the **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm, the **[MON]** LED lights steady.
- 2) Dial **Code #61**; the confirmation tone is heard, the LCD displays the Call Charge Rate and Call Charge Rate type of the first bin.

CALL CHARGE RATE (0)
000 %

- 3) To program another Call Charge Rate Bin No. currently not displayed, dial the Call Charge Rate Bin No.; the LCD displays the selected bin's Call Charge Rate and type (if registered).
- 4) To register a Call Charge Rate press FLEX button 1 and Dial Call Charge Rate (3 digits); to erase, type **[SPEED]** button instead of dialing.
- 5) To register Call Charge Rate type press the FLEX button 2 and Enter type name (up to 6 characters); to erase, type **[SPEED]** button instead of dialing.
- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database and returns to step 3) for another Call Charge Rate Bin programming.

To assign Call Charge Rate to rooms at the attendant (all FRONT-DESK):

TRANS / PGM + #62 + Room Range + Call Charge Rate Bin No. + **HOLD / SAVE**

- 1) Press the **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and **[MON]** LED lights steady.
- 2) Dial **Code #62**; the confirmation tone is heard.
- 3) Enter Room range. LCD displays the currently-assigned Call Charge Rate Bin No. of first room of selected range. For example, if selected rooms are 100 - 105, LCD displays:

100 - 105 0 : 090 % HOLIDAY

- 4) To assign Call Charge Rate Bin, dial Bin No. (0-5). To erase, type **[SPEED]** button instead of dialing. If dialed bin no is not registered in Call Charge Rate Table yet, error tone is provided.
- 5) Press **[HOLD/SAVE]** button, then system updates database permanently. Go to step 3) for another Call Charge Rate Assigning.

Condition

1. Supported Call Charge Rates are up to 6 (from 0 to 5).
2. If a room or service station is not assigned Call Charge Rate then 100 percentage of SMDR call charge is charged.
3. Registration of Call Charge Rate type is optional.

Programming

HOTEL DATA	Call Charge Rate
SYSTEM DATA	SMDR Attributes

Related Features

Hardware

2.18 BABY LISTENING

Description

This feature allows a guest to monitor his room from another place in the hotel. Using this feature, you can hear sound from your room set up with baby listening but the room cannot hear you.

Operation

To activate baby listening feature at quest's room:

OFF-HOOK

 + Dial guest's own room No.

- 1) Go off-hook.
- 2) Dial **guest's own room number**; confirmation tone is heard.

To cancel baby listening feature at quest's room:

- 1) Hang-up handset (go on-hook).

To operate baby listening feature at the other places:

OFF-HOOK

+ Dial guest's room No. + Dial guest's room No.

- 1) Go off-hook.
- 2) Dial guest's room number; DND announcement is played or DND tone is provided.
- 3) While DND Tone is provided, Dial guest's room number again; guest room monitoring is allowed.

Condition

- 1) Baby listening feature is set only at occupied guest rooms.
- 2) The other features are processed the same as if the called party is in the DND state.
- 3) While this feature is activated, calling party to this station will hear the DND state tone.
- 4) Baby listening is not provided to ICM box and Gap Terminal.
- 5) Baby listening is available for intercom use only.
- 6) When DND Announcement is played, it is not worked to dial guest's room no, Only worked when DND tone is provided.

Programming

Related Features

Hardware

2.19 FEE FOR PART TIME

Description

In case the day of check-in is the same day of check-out, a part time fee may be assessed according to the room type of checked in room or hotel policy.

Each room type may have up to 6 fields for different part-time ranges and fees.

There are 32 fields available to program part time range and fee in entire hotel system (as shown in tables).

The part time range means total stay time at a room of the guest.

Room Type Table (ADM PGM 304)

Room Type	Charge	Part Bins
.	.	.
GOLD	100\$	01, 03
.	.	.
.	.	.
.	.	.

Part Time Table (ADM PGM 308)

Bin	Part Range	Time	Rate
00	.	.	.
01	00 – 03 hours		50 %
02			
03	04 – 12 hours		80 %
04	13 – 15 hours		90 %
.	.		.
.	.		.

Ex., If Room 100 type is GOLD, and the room is used for 3 hours then \$50 will be charged for the room. But for 13 hours \$100 will be charged because of room type GOLD has no part time bin 04.

Operation

Register and change fee for part time table at the attendant (all FRONT-DESK):

TRANS / PGM + #63 + Fee for part time Bin No. + Time Range and Rate (with Flex Btn) + **HOLD / SAVE**

- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm, the **[MON]** LED lights steady.
- 2) Dial **Code #63**; the confirmation tone is provided, the LCD displays the time range of staying at hotel and fee for that range of first bin (shown),

RATE (00)
01 - 03 : 050 %
- 3) To program another Bin No. not currently displayed, Dial the Room Rate Bin No., the LCD displays the selected bin's (00 – 31)
- 4) To register time range for staying at the hotel, press the FLEX button 1 and Dial 4 digits; to erase, type **[SPEED]** button instead of dialing.
 To assign a charge rate for part time, press the FLEX button 2 and Enter fixed 3 digits (range=000 to 100).
- 5) Press the **[HOLD/SAVE]** button; the system permanently updates the database and returns to Step 3) for another Fee for Part Time Bin programming.
- 6) At check-out, the guest room fee bill may appear as shown,

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	CO Duration	Dialed-No.	Count	Call-Cost	Remark
12/26-13:10	01 00:00:32	O00182343507951	1		0 Unanswered
12/27-13:30	01 00:01:23	O00182343507951	3		150

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: Currency Unit/SMDR Fraction depends on Admin Programming 177

Condition

1. Part time range and fee in the Part time table is programmed by ADM PGM 308.
2. 32 bins are supported in the part time table (00 ~ 31).
3. Fee for part time registered use is a percent of the full room cost (as applicable).
4. Part Time table has no default value.
5. Each room type may have up to 6 indexes for Part time table bin by ADM PGM 304.
6. If a room type has no index for part time table bin or if any bin among the registered index of bins does not match with the staying time at hotel, then the room type is not applied with part time fee.
7. Each room type has no default value for index for part time table bin.
8. The lower number is first referenced among the registered index of part time table bins; the different bins include the same time; lowest bin will be applied with part time fee.
9. Time for staying at hotel is defined as the time passed between check in and check out, rounded to the nearest hour.
10. If a bin for part time fee is not registered then the full one-day charge is applied.
11. If there is a related bin for a specific staying time range, that bin fee is applied as the room charge.
12. If there is no related bin for specific staying time range, then the full one-day charge is applied.

Programming

HOTEL DATA

Room Class rate

Part Time

Related Features

Hardware

2.20 ADDITIONAL TAX FIELDS

Description

The Hotel System is able to cater to different tax fields for Tax rates.

Tax 0 = 10.00 %

Tax 1 = 20.00 %

Tax 2 = 0 %

....

Each bar item that is registered in the bar terminal table (ADM PGM 306) should have a flag for which type of tax will be applied (either TAX 0, TAX 1 or TAX 2, etc.)

Tax rates for call charge and room charge is the first tax rate bin, Tax 0.

Condition

1. Tax for the telephone and room charge will be charged using TAX 0 rate
2. There are 5 programmable tax rates fields from field 0 to field 4 which are registered at the ADM PGM 307.
3. Every tax rate has 00.00 % default value and may have a value from 00.00 % to 99.99%
4. Each bar item may have only one tax rate index (0-4) for tax charge by registering at ADM PGM 306.
5. The tax rate index registered for each bar item is assigned with Tax 0 as default.
6. Tax charge for each item is an integral part of the result that is calculated by the following equation,

$$\text{charge} * \text{tax rate} * 100 / 10000$$

Programming

Related Features

Hardware

2.21 Call Answer Recognition

Description

If the ISDN line is used for outgoing calls, it is required that the called party answer signal is recognized by the System and flagged on the guests bill and call logging SMDR output.

Operation

When a call is made from a Guest Station and the called party does not answer the call will be displayed on the guest's bill as follows:

HOTEL NAME	
TOTAL CHARGE IN ROOM 100 (Guest-Name :)	

Check - In : 94/12/26-18
Check - Out : 94/12/31-11 (5 days)

Start-Time	CO	Duration	Dialed-No.	Count	Call-Cost	Remark
12/27-13:10	01	00:00:32	O00182343507951	1		0 Unanswered
12/27-13:30	01	00:01:23	O00182343507951	3	1500	
12/28-21:22	02	00:10:18	O00182343507953	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 (MINI-BAR)	3000	30

Item	Charge	Tax(rate)	Sum
(1) ROOM CHARGE : (rate 02 : GOLD)	300000	30000(10.00%)	330000
(2) CALL CHARGE :	17000	170(10.00%)	17170
(3) BAR CHARGE :	8000	130	8130
(4) PRE-PAID :			-20000

Method of payment : VISA			
TOTAL	:		335300 WON

NOTE: Currency Unit/SMDR Fraction depends on Admin Programming 177

The SMDR print out will list the following:

NO	STA	CO	TIME	START	DIALED	CNT	COST	REMARK
0009	101	01	00:04	13/06/95 12:47	O123	1	0.10	
0010	101	01	00:15	13/06/95 12:50	o01444872014	0	0.00	UNANSWERED

NOTE: the use of a small 'o' at the DIALED field designates an unanswered outgoing call using ISDN line.

Condition

1. This feature will be active from the time of seizing an ISDN line to hearing a ring back tone.
2. The feature will only be available when ISDN is used for outgoing calls.

3. There will be no charge to stations for any unanswered calls.
4. This feature is applied to the SMDR record.

NOTE:

- 1) This feature is applied for UK, NZ, and Australia.
- 2) In NZ and Australia, this feature is extended for LCOB line.

Programming

Related Features

Hardware

2.22 AUTO INTERNAL SPEED DIRECTORY

Description

This feature will automatically build an internal directory of registered Service Stations and Guests staying at the Hotel from the Name information that is entered when they check in. Also, once the name has been added to the list it is possible to choose a name from the list for dialing and transferring calls.

Operation

To INSERT or To DELETE an Internal Speed Directory Entry:

1) Manually

System Attendant (Front_desk) can program a name for each station to be used by the DIAL BY NAME feature.

To insert,

Press the **[TRANS/PGM]** button + 071 + dial "station number" + desired "name" + **[HOLD/SAVE]**

To delete,

Press the **[TRANS/PGM]** button + 071 + dial "station number" + **[HOLD/SAVE]**

Each guest station can program their own name to be used in the Dial By Name feature (refer to NOTE below).

To insert,

Press the **[TRANS/PGM]** button + 74 + dial "name" + **[HOLD/SAVE]**

To delete,

Press the **[TRANS/PGM]** button + 74 + **[HOLD/SAVE]**

2) Automatically

- ✓ When registering a Service Station and Station Name using ADM PGM 302, the Service Station name is automatically registered in the Internal Speed Directory. If the Service Station name is blank then no action will occur.
- ✓ When Attendant registers or changes a Guest name using command #11, the guest name is automatically registered in the Internal Speed Directory. If the guest name is blank then that Guest Name is not included in the directory.
- ✓ When Attendant performs the check-out procedure using command #12, the Guest Name will be deleted in the Internal Speed Directory.
- ✓ When a Service Station is changed to a normal station, the Service Station name will be deleted in the Internal Speed Directory.

To Dial by Name using Internal Speed Directory entry:

Normal LCD screen phone

- 1) Press the **[SPEED]** button twice.
- 2) Dial the 1 for the Internal Speed Dial directory; a confirmation tone is heard.
1 = Intercom / 2 = Station Speed Dial / 3 = System Speed Dial
- 3) Press the **[UP]/[DOWN]** button or dial digits; the LCD displays 2 names, one on each LCD line. If user dials a character (2 digits), the LCD shows the first match. Pressing the **[UP]/[DOWN]** button will scroll a line up or down in the directory.
- 4) When the desired name is shown, press **[HOLD/SAVE]** button; Dial by Name is activated.

Condition

1. This feature is available with Digital LCD display keyset.
2. Registered name size is supported up to 12 characters
3. If there are more entries than can be displayed in the Key station display then it is possible to scroll the screen by pressing **[UP]/[DOWN]** keys.
4. The internal directory can be displayed when the station is idle, when it has answered a call, and when it is transferring a call.

Programming

Related Features

Hardware

2.23 MULTI FRONT DESK

Description

Main attendants can manipulate Hotel Programming.

Operation

To Make Multiple attendants:

- 1) Add another station as a Main Attendants (Admin PGM 164).
- 2) Change Room type as a Front Type (Admin PGM 302).

Condition

1. The added multiple front desk station's COS is unrestricted.

Programming

SYSTEM DATA	Attendant Assignment
HOTEL DATA	Room Type

Related Features

Hardware

2.24 Set Call Forward

Description

This feature allows the attendant to set a Guest's Room Call Forward as requested by the guest.

Operation

To set the room's call forward:

TRANS / PGM

+ #92 +

Room Range (.....)

+

Call Forward Type + (1 ~ 4)

+

Call Forward Destination +

HOLD /SAVE

To remove the room's call forward:

TRANS / PGM

+ #92 +

Room Range (.....)

+

#

+

HOLD /SAVE

To Set [DND works as forward to VSF]:
If this option is chosen, then guest press DND button or DND code, the room station is set to [Forward to VSF] automatically.
DND button or DND code works toggle.
If DND button works as DND original, [remove room call forward - #] can be used.

TRANS / PGM

+ #92 +

Room Range (.....)

+

**

+

HOLD /SAVE

Condition

1. The attendant can set the Guest Room's Call Forward with the call forward type (Unconditional, Busy, No-Answer and Busy/No-Answer).

Programming

Related Features

- STATION DATA
- VM Attributes > VSF Access
- Common Attributes > Call Forward

Hardware

2.25 Form Feed Button.

Description

The output printing from the RS232 serial port can be divided into 2 categories: One for Hotel record (Archive), and other is for Hotel Guest.

At Front Desk, output can be divided as the user wants by pressing the Form Feed Button. However, some printers do not have a Form Feed button, so it is not possible to terminate the print for the archive and begin printing a bill for the hotel guest on the next piece of paper.

Operation

To program a Form Feed Button:

TRANS
/ PGM + flex button + **TRANS** + 5* + **HOLD/SAVE**
/PGM

Condition

1. Only Front-Desk is capable to program a Form Feed button.
2. Form Feeding programmed using PGM 174 – uses COM port's F3(P-Break) to turn ON
3. If PGM 112 – F6 is disabled, this button will not be deleted, and will not move occupy another empty flex button location.
4. This is only programmable for a flex button, and not able to be added to the PGM menu.

Programming

SYSTEM DATA

RS-232 Port Settings

Related Features

2.26 FIDELIO Interface.

Description

iPECS system supports Fidelio interface. This feature offers more comfortable circumstances to manage the hotel. iPECS system is connected with the Fidelio system through TCP/IP, which makes it expand efficiently.

Operation

1. PGM 300 – BRN 6 : configure Fidelio interface Act ON/OFF
2. PGM 300 – BTN 7 : Input Fidelio system IP address.
3. PGM 300 – BTN 8 : Input Fidelio system Port.
4. PMS Command : \$37 resync : It is synchronize a database with Fidelio system.

Condition

1. iPECS system is connected with Fidelio system through TCP/IP
2. To install ERICSSON-LG Fidelio beta-license, it is needed Opera 5 with IFC8 version.

Support Feature List

1. Guest Data
 - Check-In
 - Check-Out
 - Room Change
2. Room Data
 - Maid Status : Inspect, Clean, Dirty
 - Voice Mail Notification.
 - DND.
 - Message Wait from Front Desk.
 - COS for each room.
3. Charge Posting : include prime cost, tax, margin
 - Call Charge Posting : classification local call, long distance call, international call, mobile call
 - Mini-Bar Charge Posting
4. Wake-Up.

The screenshot displays the 'Hotel Data' configuration screen. On the left is a sidebar menu with categories like 'Networking Data', 'Tnet Data', 'Zone Data', 'Device Login', 'Standard UCS', 'DECT Data', and 'Hotel Data'. Under 'Hotel Data', various attributes are listed, including 'HOTEL Attributes(300)', 'HOTEL Room Attributes(301)', 'Room Type(302)', 'Room Class(303)', 'Room Class Rate(304)', 'Call Charge Rate(305)', 'MiniBar List(306)', 'Tax Rate(307)', 'Part Time(308)', 'Room Charge Preview', 'ICM Call Of Room', 'Call Group of Room Overview', 'Call Group Of Room', 'One-Time CO Call', 'Check In/Out Overview', and 'Check In'. The main area shows a table of attributes with columns for 'Attribute', 'Value', and 'Range'. A red box highlights the 'Fidelio Interface' settings, which include 'Fidelio Interface' (set to OFF), 'Fidelio Server Address' (empty), 'Fidelio Server Port' (set to 85535), and 'Check In Language Info' (set to OFF). Other attributes like 'Bath Alarm Timer (sec)', 'Base Time In Room Rate', 'Check In/Out On-line Print', 'Echo Mode', 'Toll Charge To Room', and 'Method Of Payment' are also visible.

Attribute	Value	Range
Bath Alarm Timer (sec)	5	01-20
Base Time In Room Rate	12	00-23
Check In/Out On-line Print	ON	
Echo Mode	ON	
Toll Charge To Room	OFF	
Method Of Payment	0	Max 7 Characters
	1	Max 7 Characters
	2	Max 7 Characters
	3	Max 7 Characters
	4	Max 7 Characters
	5	Max 7 Characters
	6	Max 7 Characters
	7	Max 7 Characters
	8	Max 7 Characters
	9	Max 7 Characters
Fidelio Interface	OFF	
Fidelio Server Address		
Fidelio Server Port	85535	
Check In Language Info	OFF	
Display 20 Character Room Name	OFF	

2.27 Suite Room with Personal Group

Description

Usually, suite room has several rooms and each room has each station.
This Suite room can be programmed with Personal Group.(PGM 260 / PGM 261)
A Personal Group (Suite Room Group) can be assigned at PGM 260.
Each suite room group has one master station and maximum 32 members.
A master station and sub members share same station number (with master station number) superficially.
But, actually each station has own number.
By using shared representative number, almost feature is activated. – For example - Check In / Check Out / SMDR / Call Charge / Message Wait / Bar Charge / Room Maid Status and etc.

By using actual own number, each rooms can call and conversation each other.
In PGM 261 – Personal Group attribute can be set.

Operation

Suite Room and Call Coverage

- 1) If master and members are assigned in WEB admin 260, call coverage programs are set automatically as following.

In Master station attribute :

- Call coverage(CC) usage : ON
- CC on busy usage : ON
- CC Mobile ext usage : ON
- CC Delay Ring by members : ON
- CC Service for wake up ring : ON

In Member stations attribute:

- "Call for button" is assigned to max button in each members.
- The initial value of delay is '0'.

Call to Suite Room

- 2) Master number Display in caller
- 3) Members are ringing with delay of Call Coverage.
- 4) All leaved messages can be checked a Master station as well as member stations.

Call from Suite Room

- 1) With Master station number, all call can be made.
- 2) Each member can leave message by the master station number.

Condition

- 1) Check In / Check Out are allowed only master station number.
- 2) Bar Charge / Mini Bar Charge / Room Maid Status are allowed only master station number.

- 3) Most of features such as Station Name Display / SMDR / Message Wait / VM Message are provided with master station number (Representative number).
- 4) Wake-Up ring is followed by only master station's wake-up value.
- 5) If any member answer wake-up ring, then all wake-up ring is disappeared.
- 6) If Master station is checked in, all other member station's wake-up value is set to NULL.
- 7) If Master station is checked in, COS / ICM Call Enable / ICM Group / Authorization Code / Pre-paid money / Call Charge Rate / VMIB Prompt / Wake-up Announcement values are applied to member stations, commonly.
- 8) If a user calls to suite room master station from suite room member station, baby listening feature is not working.
- 9) If PGM 261 – USE GROUP WAKE UP option is set to OFF, individual wake up by each room is possible.

Programming

STATION GROUP DATA

Personal Group
Personal Group Attributes

Attribute Name	Description
Use Master Wake Up	If this value is set to ON, all member room wake-up follow by master wake up. If this value is set to OFF, individual wake-up is worked by each room.
Use Master Call Forward	If this value is set to ON, call forward setting affect to Master and all member. If this value is set to OFF, individual Call Forward is worked by each room.
Use Master DND	If this value is set to ON, DND setting affect to Master and all member. If this value is set to OFF, individual DND is worked by each room.

Related Features

SMDR
Call Coverage
Wake Up
Message Wait / VM Message

Hardware

2.28 Move Room

Description

When Hotel guest require change his room, Front Desk can change from his room to available (empty) room.

Below should be moved when change room at front desk:

- Mail box
- SMDR
- Mini-Bar
- Profile (check in attributes: COS, ICM, etc...)

Operation

From Front-Desk Station, perform the following

- 1) Press the **[TRANS/PGM]** button and Dial [#] [9] [3].
- 2) Dial the room number to be moved.
- 3) Dial the new room number.
- 4) Press the **[HOLD/SAVE]** button.
- 5) Or choose Move Room menu at the Web Admin.

Condition

- 1) It is recommended to move room among same Room Class, because a room rate will be charged by last moved room class.

The image shows two parts of the system interface. On the left is a 'Hotel Data' dropdown menu with a list of options: HOTEL Attributes(300), HOTEL Room Attributes(301), Room Type(302), Room Class(303), Room Class Rate(304), Call Charge Rate(305), MiniBar List(306), Tax Rate(307), Part Time(308), Room Charge Preview, ICM Call Of Room, Call Group of Room Overview, Call Group Of Room, One-Time CO Call, Check-In/Out Overview, Check-In, Check-Out, Hotel Info, and 'Move Room' which is highlighted in blue at the bottom. On the right is a 'Move Room' web interface. It has a title bar with 'Favorite PGM' and 'Move Room' buttons. Below the title bar, there is a field 'Enter Station Number:' followed by a 'Load' button and a 'Save' button. Underneath, it says 'Station Number 101'. At the bottom, there is a table with three columns: 'Order', 'Attribute', and 'Value'. The first row has '1' in the 'Order' column, 'Room Number To Move' in the 'Attribute' column, and an empty input field in the 'Value' column.

Order	Attribute	Value
1	Room Number To Move	

Related Features

Hardware

2.29 Check Out SMS

Description

When Guest check-out, Check-Out notification is available to two destinations (Maid stations).

The notification type is SMS.

SMS type is fixed as following format - [RM xxxx C/O yy:zz].

xxxx : Room number.

yy : Check out hour.

zz : Check out minute.

These two stations can be programmed in PGM 301.

Operation

Condition

Programming

The screenshot shows the 'HOTEL Room Attributes(301)' configuration screen. On the left is a tree view with 'HOTEL Data' expanded, showing various attributes. The main area displays a table of attributes for 'Station Range 1009'. The 'Check Out Notify Station 1' and 'Check Out Notify Station 2' rows are highlighted with a red box, indicating they are the focus of the configuration.

Check All	Attribute	Value
<input type="checkbox"/>	Name Display	OFF
<input type="checkbox"/>	Bath Alarm	OFF
<input type="checkbox"/>	Wake-Up Announce (00-70, 00:default annc)	0
<input type="checkbox"/>	Use Manager Code	OFF
<input type="checkbox"/>	Preserve User Greeting	OFF
<input type="checkbox"/>	Check Out Notify Station 1	
<input type="checkbox"/>	Check Out Notify Station 2	
<input type="checkbox"/>	Preserve Previous Room To Room Call Option	OFF

Related Features

Hardware

3. INTERFACE with PROPRIETARY MANAGEMENT SYSTEM

Description

The System provides easy interfacing between system and PC software. PC software supporting PMS features can be interfaced to the system, with minor changes.

Operation

For Echo mode, enter ADM PGM 300/BTN 4. If using Commercial Hotel Management S/W, Echo Mode must be turned OFF. Otherwise, if the MS system is in use without Commercial Hotel Management S/W, Echo Mode must be turned ON. In Non-Echo Mode, the System will only await commands from PC through RS-232 without printing the command on the PC.

To execute any MS command, type the MS command at the start '\$' character and press the [ENTER] key when prompt is located in front of a line. If user presses [ENTER] key without any command, then following message is displayed on the PC:

```
UCP2400 System
Version U2400 KR80M-1.0Aa MAR/13
Checksum: 0
DATE: 09/12/12
TIME: 12:16:43
SITE NAME      :
You are on COM1
ENTER PASSWORD:
```

Press the ENTER key; an "Access Canceled" message is displayed and the system returns the MS command enter mode in front of line.

When any command is entered and the **[ENTER]** key is pressed, then the MS System processes the command and returns the appropriate message. In Echo Mode, processing result is given by detailed message. When Non-Echo mode, "ACK" or "NAK xxx" (xxx is error no.) message is given to PC.

NOTE:

1. A command Line consists of a character string and new line character; a Command line cannot exceed 128 characters.
2. Spaces and tabs in a command line are ignored by the MS System.
3. Comment Line (response from MS system) starts with "//".
4. Character Set in MS system is case sensitive.

COMMANDS

- Command format is divided two type : 4 digits type, 8 digits type.

CHECK-IN COMMAND
<ul style="list-style-type: none">● command format : \$00 xxxx xxxx: fixed 4 digits, logical room number.● example: Check-In the room no. 103 \$00 0103● System response: //Checked-In Room 103.
<ul style="list-style-type: none">● command format : \$00 xxxxxxxx xxxxxxxx: fixed 8 digits, logical room number.● example: Check-In the room no. 1234103 \$00 01234103● System response: //Checked-In Room 1234103.

REGISTER or CHANGE GUEST NAME COMMAND (in Check-in mode)
<ul style="list-style-type: none">● command format: \$01 xxxx cc..c xxxx: fixed 4 digits, logical room number. cc..c: guest name within 12 characters (for space input, use character '*')● example: Register guest name "MR BROWN" to room no.103

<p>\$01 0103 MR*BROWN</p> <ul style="list-style-type: none">● System response: //Room 103 (Name - MR BROWN).
<ul style="list-style-type: none">● command format: \$01 xxxxxxxx cc..c xxxxxxx: fixed 8 digits, logical room number. cc..c: guest name within 12 characters (for space input, use character '*') ● example: Register guest name "MR BROWN" to room no.1234103 \$01 01234103 MR*BROWN ● System response: //Room 1234103 (Name - MR BROWN).

CHANGE ROOM COS COMMAND (Check -in mode)
<ul style="list-style-type: none">● command format: \$02 xxxx dd xxxx: fixed 4 digits, logical room number. dd: 1st d for day COS (1-9, 'A':10, 'B':11) and 2nd d for night COS (1-9, 'A':10, 'B':11). ● example: Change day & night COS of room 103 to '2' and '2' \$02 0103 22 ● System response: //Room 103 (DAY: 2, NIGHT: 2)
<ul style="list-style-type: none">● command format: \$02 xxxxxxxx dd xxxxxxx: fixed 8 digits, logical room number. dd: 1st d for day COS (1-9, 'A':10, 'B':11) and 2nd d for night COS (1-9, 'A':10, 'B':11). ● example: Change day & night COS of room 1234103 to '2' and '2' \$02 01234103 22 ● System response: //Room 1234103 (DAY: 2, NIGHT: 2)

REGISTER or CHANGE ROOM TO ROOM CALL GROUP COMMAND (Check- in mode)
<ul style="list-style-type: none">● command format: \$03 xxxx gg xxxx: fixed 4 digits, logical room number. gg: room-to-room call group number (00-99).● example: Register room-to-room call group 01 to room no.103 \$03 0103 01● System response: //Room 103 (Rm. Grp - 1).
<ul style="list-style-type: none">● command format: \$03 xxxxxxxx gg xxxxxxxx: fixed 8 digits, logical room number. gg: room-to-room call group number (00-99).● example: Register room-to-room call group 01 to room no.1234103 \$03 01234103 01● System response: //Room 1234103 (Rm. Grp - 1).

CHANGE ICM CALL TO ENABLE/DISABLE STATUS COMMAND (Check -in mode)
<ul style="list-style-type: none">● command format: \$04 xxxx f xxxx: fixed 4 digits, logical room number. f: Enable (1), Disable (0).● example: Enable ICM call in room 103 \$04 0103 1● System response: //Room 103 (ICM Call - Enable).
<ul style="list-style-type: none">● command format: \$04 xxxxxxxx f

xxxxxxxx: fixed 8 digits, logical room number.

f: Enable (1), Disable (0).

- example: Enable ICM call in room 1234103

\$04 01234103 1

- System response:

//Room 1234103 (ICM Call - Enable).

REGISTER or CHANGE PREPAID MONEY COMMAND (Check -in mode)

- command format: **\$05 xxxx dd..d**

xxxx: fixed 4 digits, logical room number.

dd..d: 6 digits prepaid money (000000-999999).

- example: Register prepaid money 2000 to room 103

\$05 0103 002000

- System response:

//Room 103 (Pre-Paid - 2000).

- command format: **\$05 xxxxxxxx dd..d**

xxxxxxxx: fixed 8 digits, logical room number.

dd..d: 6 digits prepaid money (000000-999999).

- example: Register prepaid money 2000 to room 1234103

\$05 01234103 002000

- System response:

//Room 1234103 (Pre-Paid - 2000).

REGISTER or CHANGE AUTHORIZATION CODE COMMAND (Check- in mode)

- command format: **\$06 xxxx aa..a**

xxxx: fixed 4 digits, logical room number.

aa..a: 12 digits authorization code. 4~12 digits (Israel :1~12 digits)

- example: Register authorization code '123456789012' to room 103

\$06 0103 123456789012

- System response :

//Room 103 (Password is registered).

- command format: **\$06 xxxxxxxx aa..a**

xxxx: fixed 8 digits, logical room number.

aa..a: 12 digits authorization code. 4~12 digits (Israel :1~12 digits)

- example: Register authorization code '123456789012' to room 1234103

\$06 01234103 123456789012

- System response :

//Room 1234103 (Password is registered).

REGISTER or CHANGE WAKE UP TIME COMMAND(in Check -in mode)

NOTE : IPECS system supports 2 kinds of WAKE UP feature. – One wake up per a station,
Five wake up per a station.

**To use [Five wake up per a station], PGM 161(system attribute) – New 5 WAKE UP
USAGE must be set to ON.**

Wake Up PMS command format is different with 2 type wake up.

- command format: **\$07 xxxx hhmm flag**

xxxx: fixed 4 digits, logical room number.

hhmm: hour and minute (military form).

Flag: # in case of continuous wake-up, or null string in case of one-time wake-up.

- example: Register one-time wake up 06:00 a.m. to room 103

\$07 0103 0600

- System response:

//Room 103 (Wake-Up - 6: 0).

- example: Register continuous wake up time 06:00 a.m. to room 103

\$07 0103 0600 #

- System response:

//Room 103 (Wake-Up - 6: 0 *).

NOTE: This is PMS command of [One wake up per a station]

- command format: **\$07 xxxxxxxx hhmm flag**

xxxxxxx: fixed 8 digits, logical room number.

hhmm: hour and minute (military form).

Flag: # in case of continuous wake-up, or null string in case of one-time wake-up.

- example: Register one-time wake up 06:00 a.m. to room 1234103

\$07 01234103 0600

- System response:

//Room 1234103 (Wake-Up - 6: 0).

- example: Register continuous wake up time 06:00 a.m. to room 1234103

\$07 01234103 0600 #

- System response:

//Room 1234103 (Wake-Up - 6: 0 *).

NOTE: This is PMS command of [One wake up per a station]

- command format: **\$39 xxxx i t hhmm yymmdd**

xxxx: fixed 4 digits, logical room number.

i : wake up ID (1 – 5) : 1-5 means five available wake up time can be set.

t : wake up type (1 – 4) : 1 = yymmdd/hhmm, 2 = Mon to Fri, 3 = Mon to Sat, 4 = Mon to Sun(Everyday).

hhmm: hour and minute (military form).

yymmdd : wake-up year, month and day (if wake-up type is 1)

- example: Register wake up 2011-10-19 06:00 a.m. to room 103.

\$39 0103 1 1 0600 111019

- System response:

//Room 103(Wake-Up id:1 06:00 11/10/19)

- example: Register wake up time 12:34 PM. from MON to SAT to room 103

\$39 0103 2 3 1234

- System response:

//Room 103(Wake-Up id:2 12:34 Mon-Sat)

NOTE: This is PMS command of [Five wake up per a station]

- command format: **\$39 xxxxxxxx i t hhmm yymmdd**

xxxxxxx: fixed 8 digits, logical room number.

i : wake up ID (1 – 5) : 1-5 means five available wake up time can be set.

t : wake up type (1 – 4) : 1 = yymmdd/hhmm, 2 = Mon to Fri, 3 = Mon to Sat, 4 = Mon to Sun(Everyday).

hhmm: hour and minute (military form).

yymmdd : wake-up year, month and day (if wake-up type is 1)

- example: Register wake up 2011-10-19 06:00 a.m. to room 1234103.

\$39 01234103 1 1 0600 111019

- System response:

//Room 1234103(Wake-Up id:1 06:00 11/10/19)

- example: Register wake up time 12:34 PM. from MON to SAT to room 1234103

\$39 01234103 2 3 1234

- System response:

//Room 1234103(Wake-Up id:2 12:34 Mon-Sat)

NOTE: This is PMS command of [Five wake up per a station]

REGISTER or CHANGE CALL CHARGE RATE COMMAND (Check in mode)

- command format: **\$08 xxxx d**

xxxx: fixed 4 digits, logical room number.

d: fixed 1 digit call charge rate bin number or * for delete call charge rate

- example:

Register call charge rate bin no 1. to room 103

\$08 0103 1

- System response:

//Room 103 (Call charge rate bin: 1).

- example:

Delete call charge rate to room 103

\$08 0103 *

- System response:

//Room 103 (Call charge rate Not_Assigned).

- command format: **\$08 xxxxxxxx d**

xxxxxxxx: fixed 8 digits, logical room number.

d: fixed 1 digit call charge rate bin number or * for delete call charge rate

- example:

Register call charge rate bin no 1. to room 1234103

\$08 01234103 1

- System response:

//Room 1234103 (Call charge rate bin: 1).

- example:

Delete call charge rate to room 1234103

\$08 01234103 *

- System response:

//Room 1234103 (Call charge rate Not_Assigned).

CHECK- OUT COMMAND without method of payment

- command format: **\$10 xxxx**

<p>xxxx: fixed 4 digits, logical room number.</p> <ul style="list-style-type: none"> ● example: Check-Out room no. 103 <p>\$10 0103</p> <ul style="list-style-type: none"> ● System response: <p><i>Room Charge Printed Out</i></p>
<ul style="list-style-type: none"> ● command format: \$10 xxxxxxxx <p>xxxxxxx: fixed 8 digits, logical room number.</p> <ul style="list-style-type: none"> ● example: Check-Out room no. 1234103 <p>\$10 01234103</p> <ul style="list-style-type: none"> ● System response: <p><i>Room Charge Printed Out</i></p>

CHECK- OUT COMMAND with method of payment	
<ul style="list-style-type: none"> ● command format: \$10 xxxx d <p>xxxx: fixed 4 digits, logical room number.</p> <p>d: fixed 1 digit, bin no of payment method</p> <ul style="list-style-type: none"> ● example: Check-Out room no. 103 <p>\$10 0103 1</p> <ul style="list-style-type: none"> ● System response: <p><i>Room Charge Printed Out</i></p>	
<ul style="list-style-type: none"> ● command format: \$10 xxxxxxxx d <p>xxxxxxx: fixed 8 digits, logical room number.</p> <p>d: fixed 1 digit, bin no of payment method</p> <ul style="list-style-type: none"> ● example: Check-Out room no. 1234103 <p>\$10 01234103 1</p>	

- System response:

Room Charge Printed Out

ROOM CHARGE REPORT COMMAND

- command format: **\$12 xxxx**

Xxxx: fixed 4 digits, logical room number.

- example: For CRT display the room charge of room no. 103

\$12 0103

- System response:

Room Cost and SMDR Printed out

- command format: **\$12 xxxxxxxx**

Xxxxxxxx: fixed 8 digits, logical room number.

- example: For CRT display the room charge of room no. 1234103

\$12 01234103

- System response:

Room Cost and SMDR Printed out

ROOMS STATUS REPORT COMMAND

- command format: **\$13 xxxx yyyy**

xxxx: fixed 4 digits, logical room number.

yyyy: fixed 4 digits, logical room number.

- example: To display rooms' status of the room range 103 - 120

\$13 0103 0120

- System response:

Room Status Printed out

- command format: **\$13 xxxxxxxx yyyyyyyy**
xxxxxxx: fixed 8 digits, logical room number.
yyyyyyy: fixed 8 digits, logical room number.
- example: To display rooms' status of the room range 1234103 - 1234120

\$13 01234103 01234120
- System response:

Room Status Printed out

ROOMS ICM CALL ENABLE COMMAND

- command format: **\$14 xxxx yyyy**
xxxx: fixed 4 digits, logical room number.
yyyy: fixed 4 digits, logical room number.
- example: To enable ICM call for room range 103 - 120

\$14 0103 0120
- System response:

//Room 103- 120 ICM call Enable.

- command format: **\$14 xxxxxxxx yyyyyyyy**
xxxxxxx: fixed 8 digits, logical room number.
yyyyyyy: fixed 8 digits, logical room number.
- example: To enable ICM call for room range 1234103 - 1234120

\$14 01234103 01234120
- System response:

//Room 1234103- 1234120 ICM call Enable.

ROOMS ICM CALL DISABLE COMMAND

- command format : **\$15 xxxx yyyy**

xxxx: fixed 4 digits, logical room number.

yyyy: fixed 4 digits, logical room number.

- example: To disable ICM call for room range 103 - 120

\$15 0103 0120

- System response:

//Room 103- 120 ICM call Disable.

- command format : **\$15 xxxxxxxx yyyyyyyy**

xxxxxxx: fixed 8 digits, logical room number.

yyyyyyy: fixed 8 digits, logical room number.

- example: To disable ICM call for room range 1234103 - 1234120

\$15 01234103 01234120

- System response:

//Room 1234103- 1234120 ICM call Disable.

REGISTER DEFAULT ROOM-TO-ROOM CALL GROUP FOR ROOMS COMMAND

- command format: **\$16 xxxx yyyy gg**

xxxx , yyyy: fixed 4 digits, logical room number.

gg: room-to-room call group number (00-99).

- example: Register room-to-room call group 01 to room range 103 - 120

\$16 0103 0120 01

- System response:

//Room 103- 120: Rm. to Rm. Grp 1.

- command format: **\$16 xxxxxxxx yyyyyyyy gg**

xxxxxxx , yyyyyyy: fixed 8 digits, logical room number.

gg: room-to-room call group number (00-99).

- example: Register room-to-room call group 01 to room range 1234103 - 1234120
\$16 01234103 01234120 01
- System response:
//Room 1234103- 1234120: Rm. to Rm. Grp 1.

CLEAR DEFAULT ROOM-TO-ROOM CALL GROUP FOR ROOMS COMMAND

- command format : **\$17 xxxx yyyy**
xxxx yyyy: fixed 4 digits, logical room number.
- example:
Clear room-to-room call group for the room range 103 - 120
\$17 0103 0120
- System response:
//Room 103- 120 : Rm. to Rm. Grp Deleted.

- command format : **\$17 xxxxxxxx yyyyyyyy**
xxxxxxxx yyyyyyyy: fixed 8 digits, logical room number.
- example:
Clear room-to-room call group for the room range 1234103 - 1234120
\$17 01234103 01234120
- System response:
//Room 1234103- 1234120 : Rm. to Rm. Grp Deleted.

ONE TIME CO CALL ENABLE COMMAND

- command format: **\$18 ssss cccc**
ssss: fixed 4 digits service station number.
cccc: fixed 4 digits charged room number.
- example: Enable one time CO call at service station 111 for guest of room 103

<p>\$18 0111 0103</p> <ul style="list-style-type: none"> ● System response: //1-time CO call at SVC 111 Charged 103.
<ul style="list-style-type: none"> ● command format: \$18 ssssssss cccccccc ssssssss: fixed 8 digits service station number. cccccccc: fixed 8 digits charged room number. ● example: Enable one time CO call at service station 1234111 for guest of room 1234103 \$18 01234111 01234103 ● System response: //1-time CO call at SVC 1234111 Charged 1234103.

CHANGE ICM SIGNALING MODE FOR ROOMS COMMAND
<ul style="list-style-type: none"> ● command format: \$19 xxxx yyyy d xxxx, yyyy: fixed 4 digits, logical room number. d: 1(H), 2(T), 3(P). ● example: Set ICM signaling mode 'T' to station range 103 - 120 \$19 0103 0120 2 ● System response: //Room 103- 120 Icm-Ans-Mode T.
<ul style="list-style-type: none"> ● command format: \$19 xxxxxxxx yyyyyyyy d xxxxxxxx, yyyyyyyy: fixed 8 digits, logical room number. d: 1(H), 2(T), 3(P). ● example: Set ICM signaling mode 'T' to station range 1234103 - 1234120 \$19 01234103 01234120 2 ● System response:

//Room 1234103- 1234120 lcm-Ans-Mode T.

ASSIGN DIFFERENTIAL RING FOR ROOMS COMMAND

- Command format: **\$20 xxxx yyyy d**
xxxx, yyyy: fixed 4 digits, logical room number.
d: ring type (1 - 8).
- example: Set Ring type 1 to station range103 - 120
\$20 0103 0120 1
- System response:
//Room 103- 120 Ring Type 1.

- Command format: **\$20 xxxxxxxx yyyyyyyy d**
xxxxxxxx, yyyyyyyy: fixed 8 digits, logical room number.
d: ring type (1 - 8).
- example: Set Ring type 1 to station range 1234103 - 1234120
\$20 01234103 01234120 1
- System response:
//Room 1234103- 1234120 Ring Type 1.

CHANGE LCD LANGUAGE FOR ROOMS COMMAND

- Command format: **\$21 xxxx yyyy dd**
Xxxx yyyy: fixed 4 digits logical room number
dd: language type (00 - 24)
- | | | |
|---------------|----------------|-------------|
| 00: English | 01: Italian | 02: Finnish |
| 03: Dutch | 04: Swedish | 05: Danish |
| 06: Norwegian | 07: Hungarian | 08: Germany |
| 09: French | 10: Portuguese | 11: Spanish |
| 12: Korean | 13: Estonia | 14: Russian |
| 15: Turkish | | |

- example: Change LCD language to Korean for room 103 to room 120

\$21 0103 0120 12

- System response:

//Room 103- 120 LCD Language 12.

- Command format: **\$21 xxxxxxxx yyyyyyyy dd**

xxxxxxx yyyyyyy: fixed 8 digits logical room number

dd: language type (00 - 24)

00: English	01: Italian	02: Finnish
03: Dutch	04: Swedish	05: Danish
06: Norwegian	07: Hungarian	08: Germany
09: French	10: Portuguese	11: Spanish
12: Korean	13: Estonia	14: Russian
15: Turkish		

- example: Change LCD language to Korean for room 1234103 to room 1234120

\$21 01234103 01234120 12

- System response:

//Room 1234103- 1234120 LCD Language 12.

CHANGE LCD DATE FORMAT COMMAND

- command format: **\$22**

toggle setting (MMDDYY or DDMMYY)

- System response:

//LCD DATE Format: DDMMYY.

CHANGE LCD TIME FORMAT COMMAND

- Command format: **\$23**

toggle setting (12 Hour or 24 Hour)

- System response:

//LCD TIME Format: 24Hour.

SYSTEM CLOCK SET COMMAND

- Command format: **\$25 YYMMDDhhmm**
YY: Year, **MM**: Month, **DD**: Day, **hh**: Hour, **mm**: Minute
- System response:
//System Clock Changed.

CONTROL MAID STATUS COMMAND

- command format: **\$26 xxxx f**
xxxx: fixed 4 digits, logical room number.
f:
 - 0 – to make maid status clean for the room**
 - 1 – to make maid status dirty for the room**
 - 2 – to make maid status inspected for the room**
 - 3 – to read maid status for the room**
 - 4 – to make maid status OOSVC for the room. OOSVC means Room facility is Out Of Service.**
- example 1: To make maid status clean for room 0103
\$26 0103 0
- System response:
//Room 103 (Set Maid Status - Clean)
- example 2: To make maid status dirty for room 0103
\$26 0103 1
- System response:
//Room 103 (Set Maid Status - Dirty)
- example 3: To read maid status for room 0103
\$26 0103 3
- System response:

//Room 103 (Current Maid Status - Dirty)

- command format: **\$26 xxxxxxxx f**
xxxxxxx: fixed 8 digits, logical room number.
f: **0** – to make maid status clean for the room
 1 – to make maid status dirty for the room
 2 – to make maid status inspected for the room
 3 – to read maid status for the room
 4 – to make maid status OOSVC for the room. OOSVC means Room facility is Out Of Service.
- example 1: To make maid status clean for room 1234103
 \$26 01234103 0
- System response:
 //Room 1234103 (Set Maid Status - Clean)
- example 2: To make maid status dirty for room 1234103
 \$26 01234103 1
- System response:
 //Room 1234103 (Set Maid Status - Dirty)
- example 3: To read maid status for room 1234103
 \$26 01234103 3
- System response:
 //Room 1234103 (Current Maid Status - Dirty)

DISPLAY BAR CHARGE FOR ROOM COMMAND

- command format: **\$27 xxxx**
xxxx: fixed 4 digits, logical room number.
- example: To read bar charge for room 0120
 \$27 0120

- System response:
Bar Charge Printed out.

- command format: **\$27 xxxxxxxx**
xxxxxxx: fixed 8 digits, logical room number.
- example: To read bar charge for room 1234120
\$27 01234120
- System response:
Bar Charge Printed out.

DISPLAY MINI-BAR CHARGE FOR ROOM COMMAND

- command format: **\$28 xxxx**
xxxx: fixed 4 digits, logical room number.
- example: To read mini-bar charge for room 0120
\$28 0120
- System response:
Mini-Bar Charge Printed out.

- command format: **\$28 xxxxxxxx**
xxxxxxxx: fixed 8 digits, logical room number.
- example: To read mini-bar charge for room 1234120
\$28 01234120
- System response:
Mini-Bar Charge Printed out.

SET MESSAGE WAIT COMMAND

- command format: **\$29 xxxx yyyy**

xxxx: fixed 4 digits logical room number.

yyyy: fixed 4 digits logical room number.

- example: To set message wait for room 100 to room 105

\$29 0100 0105

- System response:

//Room 105: Message from 100

NOTE: IPECS system supports up to 5 messages per station. In case PMS command \$29 is entered on the station when 5 messages are waiting, the command is canceled. The system will respond with no message. This feature is supported among room stations.

- command format: **\$29 xxxxxxxx yyyyyyyy**

xxxxxxx: fixed 8 digits logical room number.

yyyyyyy: fixed 8 digits logical room number.

- example: To set message wait for room 1234100 to room 1234105

\$29 01234100 01234105

- System response:

//Room 1234105: Message from 1234100

NOTE: IPECS system supports up to 5 messages per station. In case PMS command \$29 is entered on the station when 5 messages are waiting, the command is canceled. The system will respond with no message. This feature is supported among room stations.

CANCEL MESSAGE WAIT COMMAND

- command format: **\$30 xxxx yyyy**

xxxx, yyyy: fixed 4 digits, logical room number.

- example: To cancel message wait for room 0100 to room 0105

\$30 0100 0105

- System response:

//Room 105: message from 100 canceled.

- command format: **\$30 xxxxxxxx yyyyyyyy**
xxxxxxx, yyyyyyy: fixed 8 digits, logical room number.
- example: To cancel message wait for room 1234100 to room 1234105
\$30 01234100 01234105
- System response:
//Room 1234105: message from 1234100 canceled.

ASSIGN CALL CHARGE RATE FOR ROOMS COMMAND

- command format: **\$31 xxxx yyyy f**
xxxx, yyyy: fixed 4 digits, logical room number.
F: 1 digit call charge rate bin no (0-5) or * to erase.
- example: To assign call charge rate 1 for room 0100 to room 0105
\$31 0100 0105 1
- System response:
//Room 100- 105 Call Charge Rate Bin No. 1
- example: To delete call charge rate for room 0100 to room 0105
\$31 0100 0105 *
- System response:
//Room 100- 105 Call Charge Rate Not Assigned.

- command format: **\$31 xxxxxxxx yyyyyyyy f**
xxxxxxx, yyyyyyy: fixed 8 digits, logical room number.
F: 1 digit call charge rate bin no (0-5) or * to erase.
- example: To assign call charge rate 1 for room 1234100 to room 1234105
\$31 01234100 01234105 1

- System response:
//Room 1234100- 1234105 Call Charge Rate Bin No. 1
- example: To delete call charge rate for room 1234100 to room 1234105
\$31 01234100 01234105 *
- System response:
//Room 1234100- 1234105 Call Charge Rate Not Assigned.

REGISTER MINI-BAR CHARGE FOR ROOM COMMAND

- command format: **\$32 xxxx yy cccccc**
xxxx: fixed 4 digits, logical room number.
yy: fixed 2 digits, product code (00-99)
ccccc: fixed 6 digits, bar cost
- example: To register mini-bar charge of room 0100 ,
at this time if product code is 05 and mini-bar charge is 000123
\$32 0100 05 000123
- System response:
//Room 100: Mini-Bar Charge Registered
Mini-Bar Information for the room is printed out

- command format: **\$32 xxxxxxxx yy cccccc**
xxxxxxxx: fixed 8 digits, logical room number.
yy: fixed 2 digits, product code (00-99)
ccccc: fixed 6 digits, bar cost
- example: To register mini-bar charge of room 1234100 ,
at this time if product code is 05 and mini-bar charge is 000123
\$32 01234100 05 000123

- System response:

//Room 1234100: Mini-Bar Charge Registered

Mini-Bar Information for the room is printed out

PRINT SMDR with Station Range

- command format: **\$33 xxxx yyyy**

xxxx: start – fixed 4 digits, logical room number.

yyyy: end – fixed 4 digits, logical room number

- Example: To print Call SMDR from room 0100 to room 0102 ,
\$33 0100 0102

- System response:

SMDR Information for the rooms are printed out

-

- command format: **\$33 xxxxxxxx yyyyyyyy**

xxxxxxxx: start – fixed 8 digits, logical room number.

yyyyyyyy: end – fixed 8 digits, logical room number

- Example: To print Call SMDR from room 1234100 to room 1234102 ,
\$33 01234100 01234102

- System response:

SMDR Information for the rooms are printed out

Cancel Wake-up service

NOTE : IPECS system supports 2 kinds of WAKE UP feature. – One wake up per a station, Five wake up per a station.

To use [Five wake up per a station], PGM 161(system attribute) – New 5 WAKE UP USAGE must be set to ON.

Wake Up PMS command format is different with 2 type wake up.

- Command format: **\$34 xxxx**

Xxxx: the start fixed 4 digits logical room number.

- Example: To cancel wakeup for room 0100 ,
\$34 0100

- System response:
//Room 100 (Wake-up Set – Erased).

NOTE: This is PMS command of [One wake up per a station]

- Command format: **\$34 xxxxxxxx**
xxxxxxx: the start fixed 8 digits logical room number.

- Example: To cancel wakeup for room 1234100 ,
\$34 01234100

- System response:
//Room 1234100 (Wake-up Set – Erased).

NOTE: This is PMS command of [One wake up per a station]

- Command format: **\$40 xxxx i**
xxxx: fixed 4 digits logical room number.
i : wake up ID (1 – 5) : 1-5 means five available wake up time can be set.

- Example: To cancel wakeup that is first set, for room 0100,
\$40 0100 1

- System response:
//Room 100(Wake-up Erased id:1)

NOTE: This is PMS command of [Five wake up per a station]

- Command format: **\$40 xxxxxxxx i**
xxxxxxx: the start fixed 8 digits logical room number.

- Example: To cancel wakeup that is first set, for room 1234100 ,
\$40 01234100 1

- System response:
//Room 1234100 (Wake-up Erased id:1)

NOTE: This is PMS command of [Five wake up per a station]

Print Day / Time

- Command format: **\$35**
- Example: To print Day/ Time,

\$35

- System response: this print format can be four types by day represent mode or 12/24 hour mode
//Date: 31-03-00 Time:12:01

FIDELIO Interface Database synchronization

- Command format: **\$37 resync**
- Example: To synchronize with Fidelio server
\$37 resync
- System response:
//Room Data Resync

Change VSF/VMIM prompt language

- Command format: **\$38 xxxx y**
- **xxxx**: fixed 4 digits, logical room number.
- **Y**: Prompt language selection (1 ~ 6)
- Example: To change VSF/VMIM language
\$38 0102 2
- System response:
//Room 102(Set VSF Language-Second)

- Command format: **\$38 xxxxxxxx y**
- **xxxxxxxx**: fixed 8 digits, logical room number.
- **Y**: Prompt language selection (1 ~ 6)
- Example: To change VSF/VMIM language for room 1234102
\$38 01234102 2
- System response:
//Room 1234102(Set VSF Language-Second)

REGISTER or CHANGE Wake-Up Language

- command format: **\$41 xxxx gg**
xxxx: fixed 4 digits, logical room number.

<p>gg: wake-up announcement number (00-70).</p> <ul style="list-style-type: none"> ● example: Register wake-up announcement number 01 to room no.103 <p>\$41 0103 01</p> <ul style="list-style-type: none"> ● System response: <p>//Room 103(Rm. Wakeup annnc-1)</p>
<ul style="list-style-type: none"> ● command format: \$41 xxxxxxxx gg <p>xxxxxxx: fixed 8 digits, logical room number.</p> <p>gg: wake-up announcement number (00-70).</p> <ul style="list-style-type: none"> ● example: Register wake-up announcement number 01 to room no.1234103 <p>\$41 01234103 01</p> <ul style="list-style-type: none"> ● System response: <p>//Room 1234103(Rm. Wakeup annnc-1)</p>

Move Room
<ul style="list-style-type: none"> ● command format: \$42 xxxx yyyy <p>xxxx : fixed 4 digits, logical room number.</p> <p>yyyy : fixed 4 digits, logical room number.</p> <ul style="list-style-type: none"> ● example: Room move from 7017 to 7018 <p>\$42 7017 7018</p> <ul style="list-style-type: none"> ● System response: <p>//Room 7017: Moved in Room 7018</p>
<ul style="list-style-type: none"> ● command format: \$42 xxxxxxxx yyyyyyyy <p>xxxxxxx: fixed 8 digits, logical room number.</p> <p>yyyyyyy: fixed 8 digits, logical room number.</p> <ul style="list-style-type: none"> ● example: Room move from 1237017 to 1237018

\$42 01237017 01237018

- System response:

// Room 1237017: Moved in Room 1237018

Register/Change Guest Company Name

- command format: **\$43 xxxx cccc....cc**

xxxx : fixed 4 digits, logical room number.

cccc...cc : Guest company name. Max 30 characters.

- example: Guest name set to Ericsson-LG.

\$43 7017 Ericsson-LG

- System response:

//Room 7017(Company-Ericsson-LG)

- command format: **\$43 xxxxxxxx cccc....cc**

xxxxxxxx: fixed 8 digits, logical room number.

cccc...cc : Guest company name. Max 30 characters.

- example: Guest name set to Ericsson-LG.

\$43 01237017 Ericsson-LG

- System response:

// Room 1237017(Company-Ericsson-LG)

Register/Change Guest Main Address

- command format: **\$44 xxxx cccc....cc**

xxxx : fixed 4 digits, logical room number.

cccc...cc : Guest main street address. Max 70 characters.

- example: Guest main address set to AAAAAAAAAAAAAAAAAA.

\$44 7017 AAAAAAAAAAAAAAAAAA

- System response:

//Room 7017(Main Addr-AAAAAAAAAAAAAAAAAAAA)
<ul style="list-style-type: none"> ● command format: \$44 xxxxxxxx cccc....cc xxxxxxxx: fixed 8 digits, logical room number. cccc....cc : Guest main street address. Max 70 characters. ● example: Guest main address set to AAAAAAAAAAAAAAAAAAAAA. \$44 01237017 AAAAAAAAAAAAAAAAAAAAA ● System response: // Room 1237017(Main Addr-AAAAAAAAAAAAAAAAAAAA)

Register/Change Guest Sub Address (Zip code & State(City))
<ul style="list-style-type: none"> ● command format: \$45 xxxx cccc....cc xxxx : fixed 4 digits, logical room number. cccc....cc : Guest sub street address. Max 50 characters. ● example: Guest main address set to BBBB BBBB. \$45 7017 BBBB BBBB ● System response: //Room 7017(Sub Addr- BBBB BBBB)
<ul style="list-style-type: none"> ● command format: \$45 xxxxxxxx cccc....cc xxxxxxxx: fixed 8 digits, logical room number. cccc....cc : Guest sub street address. Max 50 characters. ● example: Guest main address set to BBBB BBBB. \$45 01237017 BBBB BBBB ● System response: // Room 1237017(Main Addr-BBBB BBBB)

Set Personal Group Master

- command format: **\$46 xxxx ggg**
xxxx : fixed 4 digits, logical room number for personal group master.
ggg : personal group number. 3 digits.
- example: 7002 set to personal group 5's master.
\$46 7002 005
- System response:
//Room 7002 : Personal Grp 5 Master

- command format: **\$46 xxxxxxxx ggg**
xxxxxxxx: fixed 8 digits, logical room number.
ggg : personal group number. 3 digits.
- example: 1237017 set to personal group 5's master.
\$46 01237017 005
- System response:
// Room 1237017 : Personal Grp 5 Master

Set Personal Group Member

- command format: **\$47 xxxx yyyy ggg**
xxxx : fixed 4 digits, logical room number for personal group member range.
yyyy : fixed 4 digits, logical room number for personal group member range.
ggg : personal group number. 3 digits.
- example: 7003 – 7004 set to personal group 5's member.
\$47 7003 7004 005
- System response:
//Room 7003-7004 : Personal Grp 5 Member

- command format: **\$47 xxxxxxxx yyyyyyyy ggg**
xxxxxxxx : fixed 8 digits, logical room number for personal group range.

yyyyyyyy : fixed 8 digits, logical room number for personal group range.

ggg : personal group number. 3 digits.

- example: 1237017 – 1237018 set to personal group 5's member.

\$47 01237017 01237018 005

- System response:

//Room 1237017-1237018 : Personal Grp 5 Member

Delete Personal Group

- command format: **\$48 ggg**

ggg : personal group number. 3 digits.

- example: delete personal group 5.

\$48 005

- System response:

//Personal Grp 5 Deleted

- command format: **\$48 ggg**

ggg : personal group number. 3 digits.

- example: delete personal group 5.

\$48 005

- System response:

//Personal Grp 5 Deleted

ERROR RESPONSE

Error Code	In Echo Mode	In Non-Echo Mode
000	// ERR : Invalid Command.	\$NAK000
001	// ERR : Invalid Room No.	\$NAK001
002	// ERR : Service Station.	\$NAK002
003	// ERR : Room is occupied.	\$NAK003
004	// ERR : Room is not clean.	\$NAK004
005	// ERR : Room Is Vacant.	\$NAK005
006	// ERR : Invalid Room COS.	\$NAK006
007	// ERR : Invalid Rm Grp.	\$NAK007
008	// ERR : Invalid ICM En/Disable.	\$NAK008
009	// ERR : Invalid Pre-paid Money.	\$NAK009
010	// ERR : Invalid Password.	\$NAK010
011	// ERR : Duplicated Password.	\$NAK011
012	// ERR : Invalid Time.	\$NAK012
013	// ERR : Invalid Room Range.	\$NAK013
014	// ERR : Invalid Input Data.	\$NAK014
015	// ERR : Invalid Date.	\$NAK015
016	// ERR : Invalid Maid Status	\$NAK016
017	// ERR : Station is Busy	\$NAK017
018	// ERR : No Message Wait	\$NAK018
019	// ERR : Invalid Call Charge Rate Bin No.	\$NAK019
020	// ERR : Not Enough Memory	\$NAK020
021	// ERR : Printer is Busy	\$NAK021
022	// ERR : Invalid wake-up type.	\$NAK022
023	// ERR : Invalid wake-up time.	\$NAK023
024	// ERR : Invalid wake-up date.	\$NAK024
025	// ERR : Invalid wake-up data.	\$NAK025
026	// ERR : Invalid wake-up id.	\$NAK026
027	// ERR : New room is occupied.	\$NAK027
028	// ERR : Invalid Personal Group	\$NAK028
029	// ERR : Invalid Personal Group Master	\$NAK029
030	// ERR : Invalid Personal Group Member	\$NAK030

4. Web Service

Description

The System provides easy web interface to operator. iPECS incorporates a Web Server located in the UCP or eMG Series, which is employed by the system’s Web Service. Using a Web browser the system’s Web Server can be accessed and the database managed in a user-friendly environment.

4.1 Hotel Attributes (300)

Selecting Hotel Attributes will display the input entry page, Figure 4.1.1

Device Login

Standard UCS

DECT Data

Hotel Data

> HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

Tax Rate(307)

Part Time(308)

Room Charge Preview

ICM Call Of Room

Call Group of Room Overview

Call Group Of Room

One-Time CO Call

Check In/Out Overview

Check In

Check Out

Hotel Info

Move Room

Redundancy Data

Initialization

< SMDR At... Attendant... Room Ty... HOTEL A... HOTEL R... >

Save

Hotel Enable : ON

Attribute	Value	Range
Bath Alarm Timer (sec)	5	01-20
Base Time In Room Rate	12	00-23
Check In/Out On-line Print	ON	
Echo Mode	ON	
Toll Charge To Room	OFF	
Method Of Payment	0	Max 7 Characters
	1	Max 7 Characters
	2	Max 7 Characters
	3	Max 7 Characters
	4	Max 7 Characters
	5	Max 7 Characters
	6	Max 7 Characters
	7	Max 7 Characters
	8	Max 7 Characters
	9	Max 7 Characters
Fidelio Interface	OFF	
Fidelio Server Address		
Fidelio Server Port	65535	
Check In Language Info	OFF	
Display 20 Character Room Name	OFF	
Fidelio User Search C Type	ON	

Figure 4.1.1 Hotel Attributes

Table 4.1.1 Hotel Attributes

ATTRIBUTE	DESCRIPTION	DEFAULT
Bath Alarm Timer(SEC	This timer is invoked when off-hook status and alarm ring is presented to attendant station after this timer expired	5 SEC
Base Time In Room Rate	This Time is the base time of Room Charge after check-in. When Check-Out processed, system automatically calculated Room Charge based on this time.	12
Check I/Out On-Line Print	When a guest Check-In/Check-Out. Check-In/Check-Out information will be printed out or not through RS232C port according to this option.	ON
Echo Mode	In Echo Mode, processing result printed out RS232C is given by detailed message.	ON
Toll Charge To Room	This field is a flag to charge to room to transfer CO call.	OFF
Method Of Payment	After method of payment (ex. Credit, cash...) is registered in this field. If a guest checks-out through keyset admin. Method of payment will be included with check-out output that is printed out RS232C.	
Fidelio Interface	This field is a select to use a Fidelio interface.	OFF
Fidelio Server Address/Port	With this field, operator can configure a IP address and port information to connect Fidelio system.	
Check In Language Info	Language info -> Multi Language, Wake-Up Announcement If this value is set to ON, the user can set "Multi Language and Wake-Up Announcement" in Check-in. And "Mutli Language and Wake-Up Announcement" is added in Check-in information print to SMDR port.	ON(China) OFF(except China)
Display 20 Character Room Name	If this value is set to ON, Room name is displayed up to 20 Character. If this value is set to OFF, Room name is displayed up to Max 12 Character. * Room name can be input up to 20 Character.	ON(China) OFF(except China)
FIAS Use SMDR C Type	If this value is set to ON, SMDR 'C' type is transferred to Fidelio Interface. If this value is set to OFF, SMDR 'T' type is transferred to Fidelio Interface.	ON
FIAS Use MINIBAR C Type	If this value is set to ON, MINIBAR 'C' type is transferred to Fidelio Interface. If this value is set to OFF, MINIBAR 'M' type is transferred to Fidelio Interface.	ON

ATTRIBUTE	DESCRIPTION	DEFAULT
MiniBar Announcement	If this value is set to valid system announcement number, MiniBar Announcement is played at SLT room Guest. By hearing this announcement, SLT room Guest can register Bar record more easily.	00-70 (00 – Not Used)
IP ATD PMS Connection	If this option is set to ON, IP-ATD PMS can be connected with the system. If this option is set to OFF, IP-ATD PMS can not be connected with the system. If Fidelio Interface option is set to ON, then this option is set to OFF forcedly. That means, Fidelio connection have more higher priority.	ON
Call To ATD from Check-out Room	When Room is checked out, the room COS set to 7 automatically. When Co-line is seized from check-out room, if this value is set to ON, the call is re-routed to system attendant, not hearing error tone.	OFF

4.2 Hotel Room Attributes (301)

HOTEL Room Attributes define functions associated with the HOTEL basic room attributes. Selecting Hotel Room Attributes will display the input entry page, Figure 3.2.1

Device Login

Standard UCS

DECT Data

Hotel Data

- HOTEL Attributes(300)
- > **HOTEL Room Attributes(301)**
- Room Type(302)
- Room Class(303)
- Room Class Rate(304)
- Call Charge Rate(305)
- MiniBar List(306)
- Tax Rate(307)
- Part Time(308)
- Room Charge Preview
- ICM Call Of Room

Enter Station Range : ?

Station Range 1009

Check All	Attribute	Value
<input type="checkbox"/>	Name Display	OFF <input type="button" value="v"/>
<input type="checkbox"/>	Bath Alarm	OFF <input type="button" value="v"/>
<input type="checkbox"/>	Wake-Up Announce (00-70, 00:default annc)	0 <input type="text"/>
<input type="checkbox"/>	Use Manager Code	OFF <input type="button" value="v"/>
<input type="checkbox"/>	Preserve User Greeting	OFF <input type="button" value="v"/>
<input type="checkbox"/>	Check Out Notify Station 1	<input type="text"/>
<input type="checkbox"/>	Check Out Notify Station 2	<input type="text"/>
<input type="checkbox"/>	Preserve Previous Room To Room Call Option	OFF <input type="button" value="v"/>

Figure 4.2.1 Hotel Room Attributes

Table 4.2.1 Hotel Room Attributes

ATTRIBUTE	DESCRIPTION	DEFAULT
Name Display	If Guest Name is registered, then Room station name will be displayed on LCD instead of Room No.(Only UK, Australia)	OFF
Bath Alarm	When emergency status occur for the station with this flag set, Bath Alarm ring is presented to system attendant station	OFF
Wakeup Announcement	If the user lift the handset in wakeup ringing, the wakeup announcement is played. The wakeup announcement can be recorded in [PGM] 0 6 in Front desk. 1~70 can be recorded and 0 is default announcement.	0
Use Manager Code	If this value set to ON, Manager Code can be entered when Maid Status Inspected code is entered. In Room - PGM 66 + Manager Code + # In Front Desk, #83 is also Maid Status Inspected code. But, in this case manager code is not allowed.	OFF
Preserve User Greeting	If this value is set to ON, recorded User Greeting is not deleted regardless guest check-in or check-out. If this value is set to OFF, recorded User Greeting is deleted when guest check-in or check-out.	OFF
Check Out Notify Station 1/2	When a room is checked out, Check-out SMS can be transferred to this Notify Station 1 or Station 2. After checking this SMS, a maid can check this room status, or go to the room to clean the room.	None
Preserve Previous Room To Room Call Option	If this option is set to ON, when guest check out, previous Room To Room Call option is not changed. This option is also applied when Check-In from Fidelio, or PMS. When Check-In from Web Admin or Check-In from IP ATD, this option is not applied.	OFF

4.3 Room Type (302)

Selecting Station Type will display the input entry page, Figure 4.3.1

Figure 4.3.1 Room Type

Table 4.3.1 Room Type

ATTRIBUTE	DESCRIPTION	DEFAULT
Station Type	There are 4 room types – Office / Hotel Room / Hotel Service / Hotel Front.	Office Type
Name	Room name can be set at here.	

4.4 Room Class (303)

This feature allows the operator to assign a room rate among 20 different ones to individual rooms. Room class range is 0 ~ 19. Default value is N/A. Each room class has its cost (include its part time room cost) to charge when guest check-out.

Selecting Class of Room will display the input entry page, Figure 4.4.1

Attribute	Value
Room Class	00

Figure 4.4.1 Room Class

Table 4.4.1 Room Class

ATTRIBUTE	DESCRIPTION	DEFAULT
Room Class	This feature can be register room class for selected room with range 0~19	

4.5 Room Class Rate (304)

This feature allows the operator to assign a room cost and cost name and part time fees. This information is used to calculate room charge when guest is check-out. Selecting Rate For Room Class will display the input entry page, Figure 4.5.1

Index	Cost (Max 7)	Name (Max 6)	Part Time Bin Number(00-31)					
0	1234567	Suite	1	2	3	4	5	6
1	0							
2	0							
3	0							
4	0							
5	0							
6	0							
7	0							
8	0							
9	0							
10	0							
11	0							
12	0							
13	0							
14	0							
15	0							
16	0							
17	0							
18	0							
19	0							

Figure 4.5.1 Room Class Rate

Table 4.5.1 Room Class Rate

ATTRIBUTE	DESCRIPTION	DEFAULT
Cost	Cost for room class	0
Name	Title for room class	
Part Time Bin No	Fee for part time room table no	

4.6 Call Charge Rate (305)

This feature allows the operator to assign a call charge rate to an individual room when a guest check-in. When a guest check-in, If this option is not inputted, then Default call charge rate(call charge rate table 0) will be applied to room. Selecting Call Charge Rate will display the input entry page, Figure 4.6.1

Hotel Data

HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

> Call Charge Rate(305)

MiniBar List(306)

Tax Rate(307)

Part Time(308)

Room Charge Preview

ICM Call Of Room

Call Group of Room Overview

<HOTEL At...HOTEL R...Room Cla...Room Cla...Call Char...>

Save

Bin Number	Rate(%)	Name	Remark
0	10		Rate:0~999, Name:Max 6 Characters
1	20		Rate:0~999, Name:Max 6 Characters
2			Rate:0~999, Name:Max 6 Characters
3			Rate:0~999, Name:Max 6 Characters
4			Rate:0~999, Name:Max 6 Characters
5			Rate:0~999, Name:Max 6 Characters

Figure 4.6.1 Call Charge Rate

Table 4.6.1 Call Charge Rate

ATTRIBUTE	DESCRIPTION	DEFAULT
Bin No	Call charge rate table bin no	
Rate	Rate for call charge. For example. With call charge rate is a 200, if original call charge is \$100. Then \$200 is charged for call charge.	
Name	Title for call charge rate	

4.7 MiniBar List (306)

This feature is for bar item. iPECS system supports 100 bar items. Selecting Bar Terminal will display the input entry page, Figure 4.7.1

Index	Item (Max 12)	Cost (Max 6)	Tax Index
0	Milk	10	00
1	Bread	20	01
2	Bear	30	02
3	Water	40	03
4	Rice	50	04
5		0	00
6		0	00
7		0	00
8		0	00
9		0	00

Figure 4.7.1 MiniBar List

Table 4.7.1 MiniBar List

ATTRIBUTE	DESCRIPTION	DEFAULT
Name	Name of Bar Item	None
Cost	Cost of each Bar Item	0
Tax Index	Tax Rate for bill table index	0

4.8 Tax Rate (307)

The Hotel System is able to cater to different tax fields for Tax rates. Each bar item that is registered in the bar terminal table (PGM 306) should have a flag for which type of tax will be applied (either TAX 0, TAX 1 or TAX 2, etc.) Tax rates for call charge and room charge is the first tax rate bin, Tax 0. Selecting Tax Rate for Bill will display the input entry page, Figure 4.8.1.

Hotel Data

HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

> Tax Rate(307)

Part Time(308)

Room Charge Preview

ICM Call Of Room

Call Group of Room Overview

Call Group Of Room

One-Time CO Call

Check In/Out Overview

Check In

Check Out

< Room ... Room ... Call C... MiniBa... Tax R... >

Save

Bin Number	Rate(%)	Remark
0	10.0	0.00 ~ 99.99
1	20.0	0.00 ~ 99.99
2	30.0	0.00 ~ 99.99
3	40.0	0.00 ~ 99.99
4	50.0	0.00 ~ 99.99

Figure 4.8.1 Tax Rate

4.9 Part Time (308)

In case the day of check-in is the same day of check-out, a part time fee may be assessed according to the room type of checked in room or hotel policy. Each room type may have up to 6 fields for different part-time ranges and fees. There are 32 fields available to program part time range and fee in entire hotel system (as shown in tables). Selecting Fee For Part Time will display the input entry page, Figure 4.9.1

Index	From Time(00~24)	To Time(00~24)	Rate(0~100%)
0	0	7	50
1	12	18	30
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Figure 4.9.1 Part Time

Table 4.9.1 Part Time

ATTRIBUTE	DESCRIPTION	DEFAULT
Part Time Range From Time / To Time	The time range when will be applied part time	
Rate	Rate for original room charge	

4.10 Personal Group - Suite Room(260 / 261)

This Personal Group feature is for Suite Room. iPECS system supports several Personal Group(Suite Room Group). iPECS-UCP support 1200 Personal Group.

Selecting Personal Group will display the input entry page, Figure 4.10.1. Each Personal Group may have master station and up to 32 member. If Master and Members are assigned, call coverage attribute is assigned automatically as Table 4.10.2.

Figure 4.10.1 Personal Group - Suite Room

Table 4.10.1 Personal Group - Suite Room

ATTRIBUTE	DESCRIPTION	DEFAULT
Master Station	Master Station of Suite Room Group	
Member	Member of Suite Room group	
Member delay	Member ring delay for Call Coverage	0

Table 4.10.2 Call coverage attributes

ATTRIBUTE	DESCRIPTION(Call Coverage)	DEFAULT
Master Station	CC usage	ON
	CC on busy usage	ON
	CC lcm busy usage	ON
	CC Delay Ring by members	ON
	CC Service for wake up ring	ON
Member	Call for button assigned to flex button	Max button of member
	Delay ring	0

Station Group Data

Station Group Overview

Station Group Assignment(190)

Station Group Attributes(191)

Pick Up Group Overview

Pick Up Group(192)

Personal Group Overview

Personal Group(260)

> Personal Group Attributes(261)

ISDN Line Data

SIP Data

Tables Data

Networking Data

Tnet Data

Zone Data

< Tax Rate(307) Part Time(3... Personal G... Personal G... Personal ... >

Enter Personal Group Number (1 - 1200) :

Personal Group Number 1

Attribute	Value
Wake-Up	Individual
Call-Forward	Overall
Do-Not-Disturb	Individual
Linked Pair Mode	OFF (Cover Ring)

Figure 4.10.2 Suite Room Attributes

Figure 4.10.2 is Suite Room Attributes (261) setting admin.

4.11 Room Charge Preview

This feature is used to display each room total charge. Fill the Room No field and press “View” button, then total charge of room will be displayed. Selecting Display Room Charge will display the input entry page, Figure 4.11.1

Hotel Data

- HOTEL Attributes(300)
- HOTEL Room Attributes(301)
- Room Type(302)
- Room Class(303)
- Room Class Rate(304)
- Call Charge Rate(305)
- MiniBar List(306)
- Tax Rate(307)
- Part Time(308)
- > **Room Charge Preview**
 - ICM Call Of Room
 - Call Group of Room Overview
 - Call Group Of Room
 - One-Time CO Call
 - Check In/Out Overview
 - Check In
 - Check Out
 - Hotel Info
 - Move Room

Room C... ICM Call... Call Gro... Call Gro... One-Tim...

Enter the Room Number : ? Load

Room Charge List

Room Number 1002 (Guest Name : AAAA)

Check-In : 12/9/10-18

Current-Time : 12/9/12-12 (3 days)

Start Time	CO	Duration	Dialed-Number	Count	Call Charge	Remark
Total Count	0					

Charged-time	Charged-STA	Item	Bar Charge	Tax
Total Count	0			

Item	Charge	Tax(Rate)	Sum
Room Charge	0	0 (10.00)	0
Call Charge	0	0 (10.00)	0
Bar Charge	0	0	0
Pre-paid			123
Total			-123

Figure 4.11.1 Room Charge Preview

Table 4.11.1 Room Charge Preview

ATTRIBUTE	DESCRIPTION	DEFAULT
Room No	Type room number to see detail room charge. There are 3 methods to see room charge. 1. Input single room number (ex : 100) 2. Input multiple room number (ex : 100, 101, 105) 3. Input room range (ex: 100-110)	

4.12 ICM Call Of Room

This feature disables or enables a guest station to call another station in the other groups in system. Selecting ICM Call Of Room will display the input entry page, Figure 4.12.1

Hotel Data

HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

Tax Rate(307)

Part Time(308)

Room Charge Preview

> ICM Call Of Room

Call Group of Room Overview

Call Group Of Room

One-Time CO Call

Check In/Out Overview

Check In

Check Out

Hotel Info

Move Room

< Room C... x ICM Cal... x Call Gro... x Call Gro... x One-Tim... x > x

Enter Station Range : ? Load Save

Station Range 1002

Attribute	Value
ICM Call	Enable ▾

Figure 4.12.1 ICM Call Of Room

4.13 Call Group Of Room

This feature allows the operator to assign or change Room-to-Room Call Group(Check-In Group) among Stations.

A guest station can belong to only one Room-to-Room Call Group;
Stations can call other Guest Station in the same Room-to-Room Call Group.

Selecting Call Group Of Room will display the input entry page, Full Overview page, Figure 4.13.1.

Hotel Data

HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

Tax Rate(307)

Part Time(308)

Room Charge Preview

ICM Call Of Room

Call Group of Room Overview

> Call Group Of Room

One-Time CO Call

Check In/Out Overview

Check In

Check Out

Hotel Info

Move Room

< Room C... ICM Call... Call Gro... Call Gr... One-Tim... >

Enter Station Range : ?

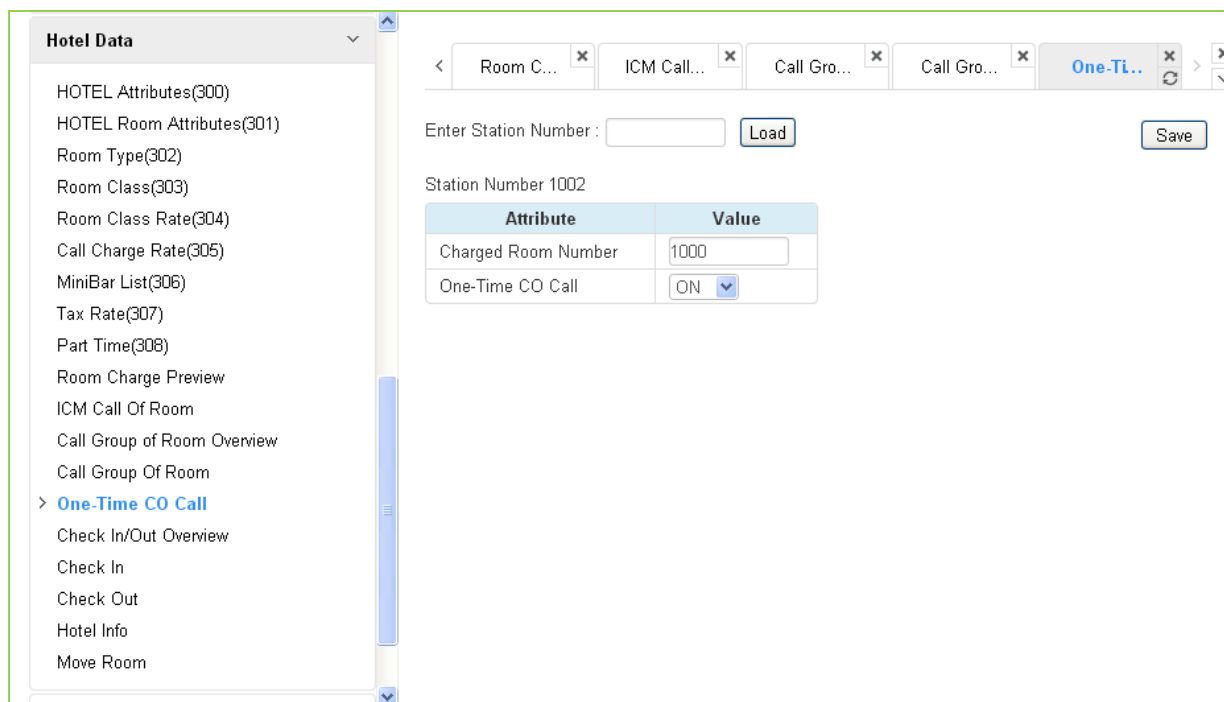
Station Range 1000-1020

Attribute	Value	Range
Call Group	<input type="text" value="1"/>	0 - 99

Figure 4.13.1 Call Group Of Room

4.14 One-Time CO Call

On guest's request, operator can enable one-time CO call to Intercom Only Station; the calling station's COS will be temporarily changed. The Guest will be able to make only one external call for one request. This feature is not applied redundancy. Selecting One-Time CO Call will display the input entry page, Figure 4.14.1



The screenshot displays the 'One-Time CO Call' configuration interface. On the left, a 'Hotel Data' sidebar lists various attributes, with 'One-Time CO Call' highlighted. The main panel shows a breadcrumb trail: Room C... > ICM Call... > Call Gro... > Call Gro... > One-Ti... >. Below this, there is a field for 'Enter Station Number' with a 'Load' button and a 'Save' button. The 'Station Number' is set to 1002. A table with two columns, 'Attribute' and 'Value', contains the following data:

Attribute	Value
Charged Room Number	1000
One-Time CO Call	ON

Figure 4.14.1 One-Time CO Call

4.15 Check-In/Out

Selecting Check-In/Out will display the input entry page, Figure 4.15.1

The screenshot shows the 'Check In/Out Overview' page. On the left is a sidebar with a 'Hotel Data' menu containing various options like 'HOTEL Attributes(300)', 'HOTEL Room Attributes(301)', 'Room Type(302)', 'Room Class(303)', 'Room Class Rate(304)', 'Call Charge Rate(305)', 'MiniBar List(306)', 'Tax Rate(307)', 'Part Time(308)', 'Room Charge Preview', 'ICM Call Of Room', 'Call Group of Room Overview', 'Call Group Of Room', 'One-Time CO Call', 'Check In/Out Overview' (selected), 'Check In', 'Check Out', 'Hotel Info', and 'Move Room'. The main area has a top navigation bar with tabs: 'ICM Call Of Room', 'Call Group of Roo...', 'Call Group Of Room', 'One-Time CO Call', and 'Check In/Out Ove...'. Below the tabs is an 'Enter Station Range' input field with a 'Load' button. A 'Station Range 1000-1009' label is present. The main content is a table with columns: Room Number, Status, Check-In MM/DD-hh, Guest Name, COS, ICM Call, Group, Wake-Up, Wake-Up 1, Wake-Up 2, Wake-Up 3, Wake-Up 4, Wake-Up 5, Auth, Pre-paid RT, Charge, Room Class, Multi Language, and Wake-Up Announce. The table lists rooms 1000 through 1009. Room 1002 is highlighted, showing a check-in on 09/10-18 for guest 'AAAA' with COS '2,2' and ICM Call '00'. Room 1009 shows a check-in on 09/10-18 for guest 'QQQQ' with COS '1,1' and ICM Call '00'.

Figure 4.15.1 Check-In/Out

Check-In/Change status of room.

This feature allows operator to check in and change status of room. Click “CI” button that is located in front of room no. then new input entry page will be displayed, Figure 4.15.2.1 or Figure 4.15.2.2.

The screenshot shows the 'Check In/Change status of room' page. The left sidebar is similar to the previous figure but includes 'Redundancy Data' at the bottom. The main area has a top navigation bar with tabs: 'Call Group of Room Over...', 'Call Group Of Room', 'One-Time CO Call', 'Check In/Out Overview', and 'Check In' (selected). Below the tabs is a 'Room Number 1002' label. The main content is a form with fields for: Guest Name (AAAA), COS (Day: 2, Night: 2), Wake-Up (hr, mm, One-Time), Wake-Up 1 through 5 (hr, mm, Disable, YY, MM, DD), ICM Call (Yes), Group (00), Auth Code (1), Pre-paid (123), Call Charge Rate (1), Multi Language (Prompt1), Wake-Up Announce (0), Company Name (BBBB), Street Address (CCCC), and Zip code & State(City) (DDDD). Each field has a 'Remark' column on the right. A 'Save' button is in the top right corner.

Figure 4.15.2.1 Check-In/Change status of room

Table 4.15.1 Check-In/Change status of room

ATTRIBUTE	DESCRIPTION	DEFAULT
Guest Name	Input Guest name (Option)	
COS	Select Day/Night COS	
Wake-Up	Input Wake-up time (Option)	
ICM Call	Select ICM Call enable/disable	NO
GRP	Input Room to Room Call group No (Option)	
Auth Code	Input Guest Auth code no (Option)	
Pre-Paid	Input Pre-paid money (Option)	
Call Charge Rate	Input Call charge rate table no. If this field is empty, It will be applied default call chare rate(call charge rate table 0)	
Multi Language	Select a prompt number(1-6)/nation	Prompt1
Wakeup Announcement	Input recorded announcement number(01-70) or 00(default wakeup announcement)	0
Company Name	Guest Company	
Street Address(Main Address)	Guest Address	
Zip Code & State(Sub Address)	Guest Address	

Check-Out

This feature allows operator to check out of rooms. Click “CO” button that is located in front of room no. then new page will be displayed, Figure 4.15.3 At this web page, If receipt is needed, then click the “Receipt” button. New page will be popped-up Figure 4.15.4.

Enter the Room Number :

Room Charge List				
Room Number 1002 (Guest Name : AAAA)				
Check-In : 12/9/10-18				
Current-Time : 12/9/12-13 (3 days)				
Start Time	CO	Duration	Dialed-Number	Count Call Charge Remark
Total Count				0
Charged-time	Charged-STA	Item	Bar Charge	Tax
Total Count				0
Item	Charge	Tax(Rate)	Sum	
Room Charge	0	0 (10.00)	0	
Call Charge	0	0 (10.00)	0	
Bar Charge	0	0	0	
Pre-paid			123	
Total			-123	

Figure 4.15.3 Check-Out

제목 없음 - Chrome

about:blank

Print

No : 000000

Receipt

Tel : BBB Fax : CCC
Address : AAA
Homepage : DDD
Tax Number : ###

Room Number : 1002
Name : AAAA
Company : BBBB
Street : CCCC
Zip / City : DDDD
Check-In : 12/9/10 18(h)
Check-Out : 12/9/12 13(h)

Item	Cost (EUR)	Tax (EUR)	Sum
• Room Charge	0	0	0
• Call Charge	0	0	0
• Bar Charge	0	0	0
Total			0

12.9.12
Signature :

Figure 4.15.4 Receipt

4.16 Hotel Info

Information of this feature is used to print receipt when guest check-out. Selecting Hotel Info will display the input entry page, Figure 4.16.1.

Hotel Data

HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

Tax Rate(307)

Part Time(308)

Room Charge Preview

ICM Call Of Room

Call Group of Room Overview

Call Group Of Room

One-Time CO Call

Check In/Out Overview

Check In

Check Out

> Hotel Info

Move Room

< One-Time CO Call x Check In/Out Ov... x Check In x Check Out x Hotel Info x x

Save

Attribute	Value	Remark
Hotel Address	AAA	Max 50 Characters
Hotel Tel	BBB	Max 15 Characters
Hotel Fax	CCC	Max 15 Characters
Hotel Homepage	DDD	Max 30 Characters
Hotel Tax Number	###	Max 15 Characters

Figure 4.16.1 Hotel Info

4.17 Move Room

Information of this feature is used to Move Room feature Figure 4.17.1.

Hotel Data

HOTEL Attributes(300)

HOTEL Room Attributes(301)

Room Type(302)

Room Class(303)

Room Class Rate(304)

Call Charge Rate(305)

MiniBar List(306)

Tax Rate(307)

Part Time(308)

Room Charge Preview

ICM Call Of Room

Call Group of Room Overview

Call Group Of Room

One-Time CO Call

Check In/Out Overview

Check In

Check Out

Hotel Info

> Move Room

< One-Ti... Check I... Check In Check Out Hotel Info >

Enter Station Number :

Station Number 1002

Attribute	Value
Room Number To Move	<input type="text" value="1005"/>

Figure 4.17.1 Move Room

5. FLEXIBLE NUMBERING PLAN

The System Numbering Plan can be selected from 1 of 9 basic Numbering Plans. The Number Plan is selected in Program 100 and individual codes in the plan can be changed using the Flexible Numbering Plan Programs 106 to 109.

Table 5-1 Basic Numbering Plan 1-4, Default Values

	Feature	Basic Numbering Plan				
		1	2	3	4	Remark
	Intercom Call	100 ~239	100-239	100-239	700-839	
1	Internal Page Zone	eMG80:301~335 eMG800:*301~*400	*301~*335	*101~*135	#101~#135	
2	Internal All Call Page	543	*543	#3	#3	
3	Meet Me Page	544	*544	##	##	
4	External Page Zone 1	545	*545	#41	#41	
5	External All Call Page	548	*548	#5	#5	
6	All Call Page (Internal/External)	549	*549	#00	#00	
7	SMDR Account Code Enter	550	*550	550	550	SLT
8	Flash Command to CO Line	551	*551	551	551	SLT
9	SLT Last Number Redial	552	*552	552	552	SLT
10	Do Not Disturb (Toggle On/Off)	553	*553	553	553	SLT
11	Call Forward	554	*554	554	554	
12	Speed Dial Programming	555	*555	555	555	SLT
13	Activate Message Wait/Callback	556	*556	556	556	SLT
14	Message Wait/Callback Answer	557	* 557	557	557	SLT
15	SLT Speed Dial Access	558	* 558	558	558	SLT
16	DND/FWD Cancel	559	* 559	559	559	SLT
17	SLT CO System Hold	560	* 560	560	560	SLT
18	SLT Program Mode Access	561	* 561	561	561	SLT
19	Attendant Unavailable	562	* 562	562	562	
20	AME Feature	564	* 564	564	564	
21	Alarm Reset	565	* 565	565	* 565	
22	Group Call Pickup	566	**	**	*1	
23	Universal Night Answer	567	* 567	567	567	
24	Account Code with bin	568	* 568	568	568	
25	Walking COS	569	* 569	569	569	
26	ACD agent On/Off Duty	571	* 571	571	571	
27	ACD Supervisor Login	572	* 572	572	572	
28	ACD Supervisor Logout	573	* 573	573	573	
29	ACD Help Code	574	* 574	574	574	
30	ACD Calls In Queue Display	575	* 575	575	575	
31	ACD Supervisor Status	576	* 576	576	576	
32	ACD Supervisor Monitor	577	* 577	577	577	
33	ACD Reroute Queued Call Answer	578	* 578	578	578	
34	ACD Reroute Queued Call No answer	579	* 579	579	579	
35	Camp-On Answer	621	* 621	*521	*521	SLT
36	Call Park Locations	eMG80:#601~#619 eMG800:#601~#800	#601 -# 619	#601 – #619	#601 – #619	

Table 5-1 Basic Numbering Plan 1-4, Default Values

	Feature	Basic Numbering Plan				Remark
		1	2	3	4	
37	Station Group Pilot Number	eMG80:401~449 eMG800:401~500	*401 – *440	*620 – *659	*620 – *659	
38	Station User VSF Features Access	*66	66	*78	*78	
39	Call Coverage Ring	76	*76	*76	*76	
40	Direct Call Pickup	*77	*77	*77	*77	
41	Access CO Group	89	89	#89	#89	
42	Access Individual CO/IP Line	88	88	#88	#88	
43	Access Held CO/IP	8*	8*	#8*	#8*	
44	Access Held Individual CO/IP	8#	8#	#8#	#8#	
45	Access CO in First CO Group	9	9	9	0	
46	Attendant Call	0	0	0	9	
47	VM Message Wait Enabled	*8	*8	*8	*8	
48	VM Message Wait cancel	*9	*9	*9	*9	
49	Door Open (1st Door)	#*1	#*1	#*1	#*1	
50	Door Open (2nd Door)	#*2	#*2	#*2	#*2	
51	MCID Request	*0	*0	*0	*0	
52	Unsupervised conference time Extension code	##	##	*##	*##	
53	PTT Group Login/Logout	#0	#0	#*0	#*0	
54	ACD Agent primary login	581	* 581	581	581	
55	ACD Agent primary logout	582	* 582	582	582	
56	ACD Agent secondary login	583	* 583	583	583	
57	ACD Agent secondary logout	584	* 584	584	584	
58	Wrap-up end	585	* 585	585	585	
59	T-NET CM Login/out	586	* 586	586	586	
60	Enter Into Conf-Room	59	* 59	*59	*59	
61	Enter Into Conf-Group	68	* 68	*79	*79	
62	Station ICR	587	* 587	587	587	
63	Pick up Group Pick-Up	588	* 588	588	588	
64	Emergency Page	589	* 589	589	589	
65	Remote Mobile Extension Control	580	* 580	580	580	
66	ACD agent ON/OFF Duty-All group	58*	* 58*	58*	58*	
67	SLT ACNR	58#	* 58#	58#	58#	
68	ACD Supervisor Ring Mode	570	* 570	570	570	
69	Company Directory Name	563	* 563	563	563	
70	ISDN Supplementary Hold	57*	*57*	57*	57*	
71	ISDN Supplementary Conf	57#	*57#	57#	57#	
72	Forced Channel Seize	56*	*56*	56*	56*	
73	Override DND/Forward	56#	*56#	56#	56#	
74	Cancel Call Back					
75	Transfer to VSF Number	55*	*55*	55*	55*	
76	CCR	#2	#2	#2	#2	
77	Room Type Conf Group join	5*0	5*0	5*0	5*0	
77	Last Number Redial (LNR)	[REDIAL]	[REDIAL]	[REDIAL]	[REDIAL]	Keyset
78	Save Number Redial	[Save]	[Save]	[Save]	[Save]	Keyset
79	Station Speed Dial Access	[SPEED] + XXX	[SPEED] + XXX	[SPEED] + XXX	[SPEED] + XXX	XXX: 000~099
80	System Speed Dial Access	[SPEED] + XXXX	[SPEED] + XXXX	[SPEED] + XXXX	[SPEED] + XXXX	XXXX: 2000~4999

Table 5-2 Basic Numbering Plan 5-9, Default Values

	Feature	Basic Numbering Plan					Remark
		5	6	7	8	9	
	Intercom Call	200-339	210-249	100-239	100-239	100 ~239	
1	Internal Page Zone	*101- *135	*301- *335	401- 429	*301- *335	301~335	
2	Internal All Call Page	#3	*543	43	*543	543	
3	Meet Me Page	##	*544	44	*544	544	
4	External Page Zone 1	#41	*545	45	*545	545	
5	External All Call Page	#5	*548	48	*548	548	
6	All Call Page (Internal/External)	#00	*549	49	*549	549	
7	SMDR Account Code Enter	50	*550		*550	550	SLT
8	Flash Command to CO Line	51	*551	51	*551	551	SLT
9	SLT Last Number Redial	52	*552	52	*552	552	SLT
10	Do Not Disturb (Toggle On/Off)	53	*553	53	*553	553	SLT
11	Call Forward	54	*554	54	*554	554	
12	Speed Dial Programming	55	*555	55	*555	555	SLT
13	Activate Message Wait/Callback	56	*556	56	*556	556	SLT
14	Message Wait/Callback Answer	57	*557	57	*557	557	SLT
15	SLT Speed Dial Access	58	*558	58	*558	558	SLT
16	DND/FWD Cancel	59	*559	59	*559	559	SLT
17	SLT CO System Hold	690	*560	*10	*560	560	SLT
18	SLT Program Mode Access	691	*561	50	*561	561	SLT
19	Attendant Unavailable	692	*562	*12	*562	562	
20	AME Feature	694	*564	*36	*564	564	
21	Alarm Reset	695	*565	*13	*565	565	
22	Group Call Pickup	**	*566	*14	*566	**	
23	Universal Night Answer	697	*567	*15	*567	567	
24	Account Code with bin	698	*568	*16	*568	568	
25	Walking COS	699	*569	*17	*569	569	
26	ACD agent On/Off Duty	671	*571	*20	*571	571	
27	ACD Supervisor Login	672	*572	*21	*572	572	
28	ACD Supervisor Logout	673	*573	*22	*573	573	
29	ACD Help Code	674	*574	*23	*574	574	
30	ACD Calls In Queue Display	675	*575	*24	*575	575	
31	ACD Supervisor Status	676	*576	*25	*576	576	
32	ACD Supervisor Monitor	677	*577	*26	*577	577	
33	ACD Reroute Queued Call Answer	678	*578	*27	*578	578	
34	ACD Reroute Queued Call No answer	679	*579	*28	*579	579	
35	Camp-On Answer	621	*621	*29	*621	*621	SLT
36	Call Park Locations	#601 – #619	#601 – #619	601 – 619	#601 – #619	#601~#619	
37	Station Group Pilot Number	720 – 759	*401 - *440	620 – 659	*401 - *440	620~659	

Table 5-2 Basic Numbering Plan 5-9, Default Values

	Feature	Basic Numbering Plan					Remark
		5	6	7	8	9	
38	Station User VSF Features Access	*66	66	*11	66	*66	
39	Call Coverage Ring	*76	*76	*30	*76	76	
40	Direct Call Pickup	*77	*77	7	*77	*77	
41	Access CO Group	89	89	89	#89	89	
42	Access Individual CO/IP Line	88	88	88	#88	88	
43	Access Held CO/IP	8*	8*	8*	#8*	8*	
44	Access Held Individual CO/IP	8#	8#	8#	#8#	8#	
45	Access CO in First CO Group	0	9	9	0	9	
46	Attendant Call	9	0	0	#9	0	
47	VM Message Wait Enabled	*8	*8	*8	*8	*8	
48	VM Message Wait cancel	*9	*9	*9	*9	*9	
49	Door Open (1st Door)	#*1	#*1	*31	#*1	#*1	
50	Door Open (2nd Door)	#*2	#*2	*32	#*2	#*2	
51	MCID Request	*0	*0	*35	*0	*0	(Except USA version)
52	Unsupervised conference time Extension code	*##	##	*37	##	##	
53	PTT Group Login/Logout	#*0	#0	*38	#0	#0	
54	ACD Agent primary login	681	*581	*40	*581	581	
55	ACD Agent primary logout	682	*582	*41	*582	582	
56	ACD Agent secondary login	683	*583	*42	*583	583	
57	ACD Agent secondary logout	684	*584	*43	*584	584	
58	Wrap-up end	685	*585	*44	*585	585	
59	T-NET CM Login/out	686	*586	*45	*586	586	
60	Enter Into Conf-Room	*59	*59	*46	*59	59	
61	Enter Into Conf-Group	*68	*68	*47	*68	*68	
62	Station ICR	687	*587	*48	*587	587	
63	Pick up Group Pick-Up	688	*588	*49	*588	588	
64	Emergency Page	689	*589	*50	*589	589	
65	Remote Mobile Extension Control	680	*580	**	580	580	
66	ACD Agent ON/OFF Duty-All group	68*	*58*	*5#	*58*	58*	
67	SLT ACNR	68#	*58#	*51	*58#	58#	
68	ACD Supervisor Ring Mode	67*	*570	*52	*570	570	
69	Company Directory Name	*21	*563	*53	*563	563	
70	ISDN Supplementary Hold	*22	*57*	*54	*57*	57*	
71	ISDN Supplementary Conf	*23	*57#	*55	*57#	57#	
72	Forced Channel Seize	*24	*56*	*56	*56*	56*	
73	Override DND/Forward	*25	*56#	*57	*56#	56#	

Table 5-2 Basic Numbering Plan 5-9, Default Values

	Feature	Basic Numbering Plan					Remark
		5	6	7	8	9	
74	Cancel Call Back			*58			
75	Transfer to VSF Number	*55	*55*	*59	*55*	55*	
76	CCR	#2	#2*		#2	#2	
77	Room Type Conf Group join	5*0	5*0	*61	5*0		
77	Last Number Redial (LNR)	[REDIAL]	[REDIAL]	[REDIAL]	[REDIAL]	[REDIAL]	Keyset
78	Save Number Redial	[Save]	[Save]	[Save]	[Save]	[Save]	Keyset
79	Station Speed Dial Access	[SPEED] + XXX	[SPEED] + XXX	[SPEED] + XXX	[SPEED] + XXX	[SPEED] + XXX	XXX: 000~099
80	System Speed Dial Access	[SPEED] + XXXX	[SPEED] + XXXX	[SPEED] + XXXX	[SPEED] + XXXX	[SPEED] + XXXX	XXXX: 2000~4999

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