



iPECS eMG80/100 & eMG800 & UCP

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	Apr, 2014	Initial Release
1.1	Jan, 2015	- Updated the minor errors in text
1.2	Jun, 2015	- Updated the flexible numbering plan
1.3	Aug., 2016	S/W version 2.1.x. - Make room dirty at 24:00 in PGM 300 - DND Room call to Attendant in PGM 301 - Check out Room COS in PGM 301
1.4	Aug., 2017	S/W version 2.2.x. - Updated TABLE OF CONTENTS
1.5	Jan., 2018	S/W version 3.0.x. - Updated the Mitel Interface
1.6	May.,2018	S/W version 3.1.x. - General Update (Text Style, Table.)
1.7	Mar., 2019	S/W version 3.5.x. - Update MAID Status
1.8	Nov., 2019	S/W version 3.6.x. - Added eMG100 System
1.9	Dec., 2019	S/W version 4.0.x. - Added Attendant Wake Up – 1 wake up - Added Attendant Wake Up – 5 wake up - Updated the 2.13 MAID Status - Updated the Room Type(302)
2.0	Sep., 2020	S/W version 4.1.x. - Applied S/W version 4.1.x
2.1	Mar., 2021	S/W version 5.0.x. - Applied S/W version 5.0.x - Added “Delete Voice Mail When Check Out” at Hotel Attributes
	May., 2021	- Added TCP Port at the RS232-C port (RS232-C → RS232-C/TCP)
2.2	Jan., 2022	S/W version 6.0.x. - Applied S/W version 6.0.x(General Update)

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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:

Use the Web admin.

- 1) Log in -> System ID & Numbering plan -> System Overview
- 2) System License overview: Hotel (Activated)

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

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		
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)		
		[5] MAID STATUS (Present)		
	[9] MISCELLANEOUS	[1] HOTEL NAME		
		[2] SET CALL FORWARD		
		[3] MOVE ROOM		
		[4] SET DND		
		[5] CLEAR DND		

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

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 LIP-8024D 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

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

- ✓ Any Guest Station can call Hotel Service Station, regardless of ICM Call Disable/Room to room call group.
- ✓ 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.**"
- ✓ Any Hotel Service Station can call Guest Station and other Hotel Service Station.
- ✓ 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.
- ✓ The COS of Hotel Service Station is 7 (Intercom Only) except for Sta **100(Front Desk)** whose COS is 1.
- ✓ 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

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	94	space	*1
C	23	O	63	0	00	:	*2
D	31	P	71	1	10	,	*3
E	32	Q	72	2	20	(	#1
F	33	R	73	3	30	)	#2
G	41	S	74	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) Press **[HOLD/SAVE]** button and then dialed Rooms are checked-in with default value. After that you can start Step 3).
 - Guest Name: Not Registered
 - Room Day & Night COS: 22
 - Wake-Up Time: Not Registered
 - ICM Disable (Default=ICM Enable in Italy/Denmark/NZ/Spain, Israel, Turkey, SWITZERLAND, THAILAND)
 - Room-to-Room Call Group: System Attendant Assigned No. if assigned or Not Assigned
 - Authorization Code: Not Registered
 - Prepaid Money: 0
 - Call Charge Rate: System Attendant Assigned No. if assigned or Not Assigned
 - If "Check in Language Info"(PGM300-F10) is ON

- Multi Language: 1
 - Wakeup Announcement: 00
- 5) 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)

- 6) Dial Check-In Type (1 - 8) and enter data successively.
- 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)
- 7) 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 + Room No... + [SPEED] +Check-In Type + [HOLD/SAVE]**

Condition

- ✓ When the 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.
- ✓ If System Attendant presses [HOLD/SAVE] button without any "Check-in type" programming, system checks in the rooms with default values.

- ✓ 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.
- ✓ When Check-In/Change Guest Status Process, Room Status is printed through RS232-C/TCP 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)

- ✓ When Check-In is in progress, SMDR and BAR record of the room is cleared.
- ✓ If System Attendant checks in a room without the Guest Authorization Code, then DISA cannot be accessed (refer to "Register/Change Authorization Code").
- ✓ If a station is registered as Service Station, System Attendant will receive a Single Error Tone when checking in the service station.
- ✓ The information of Guest Rooms will be protected.
- ✓ Block printing of Guest Room information using (Hotel Data ► Hotel Attributes ► Check In/Out On-line Print).
- ✓ Maximum check-In room count at the same time is 5.

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

- ✓ Character Set for Guest name program:

A	21	M	61	Y	93	.	13
B	22	N	62	Z	94	space	*1
C	23	O	63	0	00	:	*2
D	31	P	71	1	10	,	*3
E	32	Q	72	2	20	(	#1
F	33	R	73	3	30	)	#2
G	41	S	74	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		

- ✓ Guest name has no default value.
- ✓ For this feature, Guest Name Display Bit must be set in (Hotel Data ► Hotel Room Attributes ► Name Display).
- ✓ 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

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

- ✓ 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 /
- Long Distance Call Code

HOTEL DATA

- Room Class Rate
- Call Charge Rate

TABLES DATA

- Toll Exception Tables

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

- ✓ 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.

- ✓ Time (HH:MM) must be entered in Military Format (24 hr.).
- ✓ 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.
- ✓ If the 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-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		Register wake-up time (Hour and Minute)
2	YY/MM/DD	Alarm will be activated only one time in day specified by YY/MM/DD.
3	Mon - Fri	Alarm will be activated every day, from Monday to Friday.
4	Mon - Sat	Alarm will be activated every day, from Monday to Saturday.
5	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 + id(1-5) + Hour + Minute + Alarm Mode + Year + Month + 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) no wake-up alarm are set.

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

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

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

- 6) 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

- ✓ 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.
- ✓ When register wake-up time from a Digital station, it can use **[#]** button to scroll between wake-up types.
- ✓ 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.
- ✓ When erase wake-up time from Attendant Station, all wake-up information will be erased.
- ✓ 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.
- ✓ 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.
- ✓ 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.
- ✓ After finalizing wake-up call (with answer or not answered), a new wake-up time will be enabled, if it exist for current day.
- ✓ Any changes related with wake-up alarm, from Attendant Station, during wake-up call, will be effective only after finalizing wake-up call.
- ✓ Wake-up call functionality is similar with old wake-up feature.
- ✓ Wake-up year can be from 2000 to 2031.

- ✓ 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 then **"#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

- ✓ Guest stations can call Attendant Stations and Service Stations even though ICM call is disabled.
- ✓ 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).
- ✓ 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.

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

- ✓ Guest stations can call Attendant Stations and Service Stations even though the station may not belong to the same Room-to-Room Call Group.
- ✓ Default Room-to-Room Call Group is assigned by Room-to-Room Call Group ATD PGM feature.
- ✓ After Check-Out, Room-to-room call group expires and returns to the default.
- ✓ 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.

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.

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.

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.

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(Max 12 digits)+ **[SPEED]** + **[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

- ✓ 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.
- ✓ 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.
- ✓ 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.
- ✓ 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

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/PGM] + "#11" + Room No + [SPEED] + "7" + Prepaid Money + [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 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.

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

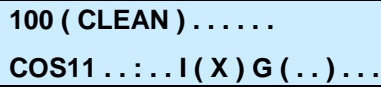
- **[TRANS/PGM] + #11 + Room No + [SPEED] + 8 + Call Charge Rate Bin No + [HOLD/SAVE]**
- 1) Press **[TRANS/PGM]** button and Dial **"#11"** for Check-in/Change Room Status.
 - 2) Dial Room No. or press the associated {DSS} button, and press the **[SPEED]** button; the LCD shows the current status of 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

- ✓ The number of supported bins is 6 (0 to 5).
- ✓ If Call Charge Rate is not assigned, SMDR call charge is applied.
- ✓ Only a registered bin no can be used; if an un-registered bin no is used, an error tone is provided.
- ✓ A default Call charge rate bin number is assigned to the room by Attendant feature code #61.
- ✓ 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

Hardware

2.4.10 Choose Language

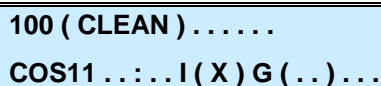
Description

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 (.) ...

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

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

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

Condition

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

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 (..) ...

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

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

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

Condition

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

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

- ✓ 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/TCP 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	00182343507951	0	0	Unanswered
12/27-13:30	01	00:01:23	00182343507951	3	1500	
12/28-21:22	02	00:10:18	00182343507953	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.

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/TCP 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/TCP 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]** + 0121 + [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	00182343507951	0	0	Unanswered
12/27-13:30	01	00:01:23	00182343507951	3	1500	
12/28-21:22	02	00:10:18	00182343507953	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	00182343507951	0	0	Unanswered
12/27-13:30	01	00:01:23	00182343507951	3	1500	
12/28-21:22	02	00:10:18	00182343507953	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	00182343507951	0	0	Unanswered
12/27-13:30	01	00:01:23	00182343507951	3	1500	
12/28-21:22	02	00:10:18	00182343507953	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

- ✓ In case of UCP system, Total number of SMDR Records = 30,000 entries, total number of BAR Records = 30,000 entries.
- ✓ In case of eMG system, Total number of SMDR Records = 10,000 entries, total number of BAR Records = 10,000 entries.
- ✓ If Available SMDR records <= 50 entries, then the System ATD will receive the SMDR Full Warning Tone.
- ✓ 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
- ✓ If Available BAR records are 200 entries, then System ATD receives BAR Full Warning Tone.
- ✓ Finally there is no available BAR record, then system cannot record further BAR information and registering bar item at service station is denied.
- ✓ SMDR and BAR Detailed Record and total Room Charge for the room is deleted prior to next guest's room check-in.
- ✓ After printing, the system sends a Form Feed.
- ✓ 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

2.7 Print Room Status through RS232-C/TCP

Description

This feature allows printing room status through RS232-C/TCP.

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

- ✓ Service Stations within Room Range are not printed.
- ✓ If Room is vacant, then only Maid Status is printed for the room.
- ✓ Room Status is printed through RS232-C/TCP 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

2.8 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

- ✓ Guest stations can call Attendant Stations and Service Stations even though ICM call is disabled.
- ✓ 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).
- ✓ 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.

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 + Group No.(00~99) + Room Range + [HOLD/SAVE]**

To erase Room-To-Room Call Group:

- **[TRANS/PGM] + #42 + Room Range + [HOLD/SAVE]**

Condition

- ✓ 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.
- ✓ Changing Room-to-Room call groups using this feature will not effect on rooms currently occupied, but will update following rooms' check-out.
- ✓ Guest station can call Attendant Stations and Service Stations whether or not station belongs to the Room-To-Room Call Group.
- ✓ 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.
- ✓ By default, Room-to-Room Call Group is not assigned.
- ✓ 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.

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-C/TCP.

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

- ✓ Charged station must be the Checked-In Room Station. (Calling station must be the checked-In room station or service station)
- ✓ At the end of the call, the Station can not access the Co Line.
- ✓ Calling Station's COS is changed to the Charged Station's COS temporarily

- ✓ Charged Station will pay for the call charge.
- ✓ 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	001034507950	3	500	R 0112

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

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

- ✓ Default LCD Language depends on Nation Code entered in Admin Programming.
- ✓ 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

- ✓ Allows the Attendant Station to change the LCD Display Language. For the Other stations, PGM 71 operates LCD Language Toggle Changing Feature (English/Domestic).
- ✓ On Check-Out, the room's LCD language defaults to the same language as the FRONT DESK LCD language.

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]**

Registration with SLT

- **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 + # 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-232-C/TCP.
 - 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

- **561** + 63 + Product Code + (Mini) Bar Cost

Other Phones with LCD

- **[TRANS/PGM]** + 63 + Product Code + (Mini) Bar Cost + **[HOLD/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

- **561** + 67 + Product Code + No of items

Other Phones with LCD

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

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

- **561** + 67 + Bar Announcement is played + Dial product Code.+ Product Code that guest press is played + Dial number of items + Number of items that guest press is played + Press # button for confirmation

Condition

- ✓ 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)
- ✓ The bar and mini-bar cost will be included as part of the total room charge.
- ✓ The unit of cost and fraction are the same as SMDR currency unit and SMDR fraction.
- ✓ 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

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-232-C/TCP. 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-232-C/TCP.
 - 3) In case of SLT ; PROGRAM MODE ACCESS CODE + 64

To register "Cleaned" Front Desk type station or Maid type station:

- **[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-232-C/TCP).

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-232-C/TCP.
- 3) In case of SLT ; PROGRAM MODE ACCESS CODE + 65

To register "Dirty (To Be Cleaned)" by Front Desk type station or Maid type station:

- **[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-232-C/TCP).

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-232-C/TCP.
- 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-232-C/TCP.

To register "Inspected" by Front Desk type station or Maid type station:

- **[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.
- 2) Dial Code #83; 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 'inspect', and confirmation tone is provided (changed maid status of room is printed through RS-232-C/TCP).

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

- [TRANS/PGM] + 68
- 1) Press **[TRANS/PGM]** button; the **[TRANS/PGM]** button flashes at approx. 60 ipm and the **[MON]** LED lights steady.

- 2) Dial **TRANS/PGM 68**; Confirmation Tone is received and changed maid status of the room is printed through RS-232-C/TCP.
- 3) In case of SLT ; PROGRAM MODE ACCESS CODE + 68

To register "Out Of Service" by Front Desk type station or Maid type station:

- **[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.
 - 2) Dial **Code #84**; 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 'OOSVC', and confirmation tone is provided (changed maid status of room is printed through RS-232-C/TCP).

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

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

To register "Present" by Front Desk type station or Maid type station:

- **[TRANS/PGM] + #85 + 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 #85**; 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 'OOSVC', and confirmation tone is provided (changed maid status of room is printed through RS-232-C/TCP).

Condition

- ✓ Maid status is automatically set to "Dirty (To be cleaned)" after check-out has been completed by the System Attendant.
- ✓ 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.
- ✓ Format of printed maid status of rooms through RS-232-C/TCP 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.
- ✓ The room status – "Present" is usually used in Mitel PMS connection.

2.14 MAID Status—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-232-C/TCP.

Room status will be one of the following:

- DIRTY / VACANT
- DIRTY / OCCUPIED
- CLEAN / VACANT
- CLEAN / OCCUPIED
- INSPECTED / VACANT
- INSPECTED / OCCUPIED
- OUT OF SERVICE / VACANT
- OUT OF SERVICE / OCCUPIED
- MAID ADDITIONAL STATUS 1
- 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

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

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

- ✓ 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.
- ✓ The Bath Alarm Call (Ring) cannot be forwarded as a normal call.
- ✓ 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.
- ✓ When the Bath Alarm occurs and is erased by the Attendant, the message with time of Alarm is printed through RS-232-C/TCP.

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-232-C/TCP (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]**
- 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 than 6 characters.
- 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 step3) for another Room Rate Assignment.

Programming

HOTEL DATA

- Room Class
- Room Class Rate

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 & 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.
- 6) 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

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

Programming

HOTEL DATA

- Call Charge Rate

SYSTEM DATA

- SMDR Attributes

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 guest'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 guest's room:

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

To operate baby listening feature at the other places:

- **OFF-HOOK** + Dial guest's own 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

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

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 Time Bins
.	.	.
.	.	.
GOLD	100\$	01, 03
.	.	.
.	.	.
.	.	.

Part Time Table (ADM PGM 308)

Bin	Part Time Range	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	00182343507951	1	0	Unanswered
12/27-13:30	01	00:01:23	00182343507951	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 : (rate 02 : GOLD)	80	8(10.00%)	88
(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

- ✓ Part time range and fee in the Part time table is programmed by ADM PGM 308.
- ✓ 32 bins are supported in the part time table (00 ~ 31).
- ✓ Fee for part time registered use is a percent of the full room cost (as applicable).
- ✓ Part Time table has no default value.
- ✓ Each room type may have up to 6 indexes for Part time table bin by ADM PGM 304.
- ✓ 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.
- ✓ Each room type has no default value for index for part time table bin.
- ✓ 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.
- ✓ Time for staying at hotel is defined as the time passed between check in and check out, rounded to the nearest hour.

- ✓ If a bin for part time fee is not registered then the full one-day charge is applied.
- ✓ If there is a related bin for a specific staying time range, that bin fee is applied as the room charge.
- ✓ 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

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

- ✓ Tax for the telephone and room charge will be charged using TAX 0 rate
- ✓ There are 5 programmable tax rates fields from field 0 to field 4 which are registered at the ADM PGM 307.
- ✓ Every tax rate has 00.00 % default value and may have a value from 00.00 % to 99.99%
- ✓ Each bar item may have only one tax rate index (0-4) for tax charge by registering at ADM PGM 306.
- ✓ The tax rate index registered for each bar item is assigned with Tax 0 as default.
- ✓ Tax charge for each item is an integral part of the result that is calculated by the following equation,
- ✓ $(\text{Charge} * \text{tax rate} * 100 / 10000)$

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

- ✓ This feature will be active from the time of seizing an ISDN line to hearing a ring back tone.
- ✓ The feature will only be available when ISDN is used for outgoing calls.
- ✓ There will be no charge to stations for any unanswered calls.
- ✓ This feature is applied to the SMDR record.

NOTE:

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

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:

Manually

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

To insert,

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

To delete,

- **[TRANS/PGM]** + 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,

- **[TRANS/PGM]** + 74 + dial "name" + **[HOLD/SAVE]**

To delete,

- **[TRANS/PGM]** + 74 + **[HOLD/SAVE]**

Automatically

- 1) 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.
- 2) 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.
- 3) When Attendant performs the check-out procedure using command #12, the Guest Name will be deleted in the Internal Speed Directory.
- 4) 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

- ✓ This feature is available with Digital LCD display keyset.
- ✓ Registered name size is supported up to 12 characters
- ✓ 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.
- ✓ The internal directory can be displayed when the station is idle, when it has answered a call, and when it is transferring a call.

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

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

Programming

SYSTEM DATA

- Attendant Assignment

HOTEL DATA

- Room Type

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

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

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-C/TCP 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/PGM]** + 5* + **[HOLD/SAVE]**

Condition

- ✓ Only Front-Desk is capable to program a Form Feed button.
- ✓ Form Feeding programmed using PGM 174 – uses COM port's F3(P-Break) to turn ON

- ✓ If PGM 112 – F6 is disabled, this button will not be deleted, and will not move occupy another empty flex button location.
- ✓ This is only programmable for a flex button, and not able to be added to the PGM menu.

Programming

SYSTEM DATA

- RS-232-C/TCP Port Settings

Hardware

2.26 FIDELIO Interface.

Description

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

Operation

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

Condition

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

Support Feature List

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

● Wake-Up.

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	
	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 Characters Room Name	OFF	

Hardware

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

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

- 1) 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

- 2) 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

- 1) Master number Display in caller
- 2) Members are ringing with delay of Call Coverage.
- 3) 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

- ✓ Check In / Check Out are allowed only master station number.
- ✓ Bar Charge / Mini Bar Charge / Room Maid Status are allowed only master station number.
- ✓ Most of features such as Station Name Display / SMDR / Message Wait / VM Message are provided with master station number (Representative number).
- ✓ Wake-Up ring is followed by only master station's wake-up value.
- ✓ If any member answer wake-up ring, then all wake-up ring is disappeared.
- ✓ If Master station is checked in, all other member station's wake-up value is set to NULL.
- ✓ 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.
- ✓ If a user calls to suite room master station from suite room member station, baby listening feature is not working.
- ✓ 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

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

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

< Favorite PGM
Move Room
✕

Enter Station Number : Load Save

Station Number 101

Order <small>1</small>	Attribute	Value
1	Room Number To Move	<input style="width: 100%;" type="text"/>

2.29 Check Out SMS

Description

When the guests check-out, the 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.

Programming

Attribute	Value
Name Display	OFF
Bath Alarm	OFF
Wake-Up Announce (00-70, 00:default annnc)	0
Use Manager Code	OFF
Preserve User Greeting	OFF
Check Out Notify Station 1	
Check Out Notify Station 2	
Preserve Previous Room To Room Call Option	OFF

2.30 Attendant Wake Up – 1 wake up

Description

The standard Wake-up Alarm feature allows you or an Attendant to set a Wake-up alarm or desired time to be alerted.

When the time is reached, the system will signal your station with an audible and, for iPECS IP and LDP Phones, a visual signal is provided in the LCD.

A System Announcement can be assigned to play as a Wake-Up announcement when you lift the handset in response to the alarm signal.

Each station can be assigned a different Wake-Up announcement, which is recorded by the Attendant.

Operation

From Attendant Station, perform the following

To register a Wake-Up Alarm

- 1) Press the **[TRANS/PGM]** button and Dial "044", the Attendant Set Wake Up code.
- 2) Dial "044", the Attendant Set Wake-Up(Station Range) code.

- 3) Dial "049", the Attendant Set Wake-Up(Call Group Number) code.
- 4) In case of 044, Dial the station range, for a single station, enter an "*" in place of the second station number.
- 5) In case of 049, Dial the call group number(00 - 99).
- 6) Dial the 2-digit hour and 2-digit minute for alerting.
- 7) For a daily (repeating alarm), dial "#".
- 8) Press the **[HOLD/SAVE]** button.

To erase Wake-Up

- 1) Press the **[TRANS/PGM]** button and Dial "045", the Attendant Erase Wake-up code.
- 2) Dial "045", the Attendant Reset Wake-Up(Station Range) code.
- 3) Dial "040", the Attendant Reset Wake-Up(Call Group Number) code.
- 4) In case of 045, Dial the desired station range, for a single station, enter an "*" in place of the second station number.
- 5) In case of 040, Dial the call group number(00 - 99).
- 6) Press the **[HOLD/SAVE]** button.

Condition

- ✓ In cases where a remote device is installed, the time display in the remote terminal is adjusted by the Device Zone assignment. Thus, the Wake-up alarm time is based on the time displayed on the phone and not the system time.
- ✓ When receiving a Wake up signal, lifting the handset will return MOH.
- ✓ The Wake-Up alarm signal is the station ring signal with a 30 seconds On and 90 seconds Off cycle 3 times. If no action is taken by you to terminate the alarm, the Attendant is notified with a display of the station number that did not respond.
- ✓ Time must be entered in the Military 24-hour format (hh:mm).
- ✓ The daily alarm will reset and repeat each day until erased (cancelled). The One-time alarm will reset and cancel automatically.
- ✓ A System announcement can be recorded and assigned to play when the user responds to the wake up alarm.
- ✓ The Call Group Number means Hotel Data – Call Group of Room.

Programming

Keyset Admin.

STATION

- Wake Up Announcement (PGM 114-Button 24-6)

Web Admin.

STATION DATA

- VM Attributes ►Wake-Up Announcement

SYSTEM DATA

- New 5 Wake Up Usage: OFF

Related Features

- Enhanced Wake-up Alarm

2.31 Attendant Wake Up – 5 wake up

Description

If permitted in the system database(System Data – New 5 Wake Up Usage), you can set up to five (5) Wake-up or alerting time. When a time is reached, the system will signal your station with an audible and visual signal. The alerting for each of the 5 Wake-up alarms will repeat based on the type selected when you assign the alarm.

The alarms will repeat as follows:

Repeat Type	Repeating
1	Alarm activates one time at the assigned date and time
2	Alarm repeats daily Monday through Friday
3	Alarm will repeat daily, Monday through Saturday
4	Alarm will repeat daily

A System Announcement can be assigned to play as a Wake-Up announcement when user lifts the handset in response to the alarm signal. Each station can be assigned a different Wake-Up announcement, which is recorded by the Attendant.

Operation

From Attendant Station, perform the following

To register a Wake-Up alarm

- 1) Press the **[TRANS/PGM]** button.
- 2) Dial "044", the Attendant Set Wake-Up(Station Range) code.
- 3) Dial "049", the Attendant Set Wake-Up(Call Group Number) code.
- 4) In case of 044, Dial the station range to be alerted. If a single station is to receive the alarm, enter "*" as the second station number.
- 5) In case of 049, Dial the call group number(00 - 99).
- 6) Dial the desired 2-digit hour (24-hour mode), then 2-digit minute for alerting.
- 7) Enter Repeating type, "1" to "4".
- 8) For the one-time alarm (repeating type 1), enter the date for the alarm as 2 digits for year, month and day of the month.
- 9) Press the **[HOLD/SAVE]** button.

To erase Wake-Up

- 1) Press the **[TRANS/PGM]** button.
- 2) Dial "045", the Attendant Reset Wake-Up(Station Range) code.
- 3) Dial "040", the Attendant Reset Wake-Up(Call Group Number) code.

- 4) In case of 045, Dial the desired station range, for a single station, enter an “*” as the second station number.
- 5) In case of 040, Dial the call group number(00 - 99).
- 6) Press the **[HOLD/SAVE]** button.

Condition

- ✓ When registering or erasing an Alarm, iPECS IP and LDP phones can use the **[VOL UP]/[VOL DOWN]** buttons to scroll between the Wake-up alarms and “#” can be used to scroll through the repeating types.
- ✓ The iPECS IP and LDP phones will display an asterisk near the time to indicate a Wake-up alarm is set for the current day.
- ✓ If you have all five Wake-up Alarms set, the Attendant cannot set a Wake-up alarm for you. When the Attendant sets an alarm you it is assigned to the lowest Wake-up Alarm index number (1-5) available for the station. If no Alarm index is available, the Attendant setting is ignored.
- ✓ When the Attendant erases the Wake-up alarm, all five alarm indices are erased.
- ✓ Changing the Wake-up alarms from standard to enhanced, will cancel and erase all active Wake-up alarms.
- ✓ For the one time alarm, the year can be set from 2000 to 2031.
- ✓ The Call Group Number means Hotel Data – Call Group of Room.

Programming

Keyset Admin.

STATION

- Wake Up Announcement (PGM 114-Button 24-6)

SYSTEM

- Enhanced Wake-Up Usage (PGM 161-Button 24-23)

Web Admin.

STATION DATA

- VM Attributes ►Wake-Up Announcement

SYSTEM DATA

- New 5 Wake Up Usage: ON

Related Features

- Wake-up Alarm, Standard

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-C/TCP or TCP/IP 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:

- ✓ A command Line consists of a character string and new line character; a Command line cannot exceed 128 characters.
- ✓ Spaces and tabs in a command line are ignored by the MS System.
- ✓ Comment Line (response from MS system) starts with "//".
- ✓ Character Set in MS system is case sensitive.
- ✓ TCP/IP connection can be set to use any port number agreed between PMS provider and PBX installer. The default port is 5003, but this may be used for other system administration purposes. The behaviour of the connection is the same whether it is connected with RS232-C/TCP port.

COMMANDS

Command format is divided two types: 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 \$01 0103 MR*BROWN System response: //Room 103 (Name - MR BROWN).
<ul style="list-style-type: none"> command format: \$01 xxxxxxxx cc..c xxxxxxxx: 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)
-
- 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)

- 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).
-
- command format: \$03 xxxxxxxx gg
xxxxxxx: 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)

- 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).
-
- command format: **\$04 xxxxxxxx f**
xxxxxxx: 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)
--

- 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: 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.

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**
xxxxxxx: 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**
xxxx: fixed 4 digits, logical room number.
- example: Check-Out room no. 103
\$10 0103
- System response:
Room Charge Printed Out

- command format: **\$10 xxxxxxxx**
xxxxxxxx: fixed 8 digits, logical room number.
- example: Check-Out room no. 1234103
\$10 01234103
- System response:
Room Charge Printed Out

CHECK- OUT COMMAND with method of payment

- command format: **\$10 xxxx d**
xxxx: fixed 4 digits, logical room number.
d: fixed 1 digit, bin no of payment method
- example: Check-Out room no. 103
\$10 0103 1
- System response:
Room Charge Printed Out

- command format: **\$10 xxxxxxxx d**
xxxxxxxx: fixed 8 digits, logical room number.
d: fixed 1 digit, bin no of payment method
- example: Check-Out room no. 1234103
\$10 01234103 1
- 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**
xxxxxxxx: fixed 8 digits, logical room number.
yyyyyyyy: 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**
xxxxxxxx: fixed 8 digits, logical room number.
yyyyyyyy: 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**
xxxxxxxx: fixed 8 digits, logical room number.
yyyyyyyy: 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**
xxxxxxxx , yyyyyyyy: 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
xxxxxxx yyyyyyy: 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
\$18 0111 0103
 - System response:
//1-time CO call at SVC 111 Charged 103.
-
- 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

- 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.
-
- command format: \$19 xxxxxxxx yyyyyyyy d
xxxxxxx, yyyyyyy: 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
xxxxxxxx yyyyyyyy: 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**
xxxxxxx: 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**
xxxxxxxx: fixed 8 digits logical room number.
yyyyyyyy: 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**
xxxxxxxx, yyyyyyyy: 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
xxxxxxxx, yyyyyyyy: 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**
xxxxxxx: 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**
xxxxxxx: start – fixed 8 digits, logical room number.
yyyyyyy: 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

- 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:** 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.
- 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**
xxxxxxxx: 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**
xxxxxxx: 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.
gg: wake-up announcement number (00-70).
 - example: Register wake-up announcement number 01 to room no.103
 \$41 0103 01
 - System response:
 //Room 103(Rm. Wakeup annnc-1)
-
- command format: **\$41 xxxxxxxx gg**
xxxxxxx: fixed 8 digits, logical room number.
gg: wake-up announcement number (00-70).
 - example: Register wake-up announcement number 01 to room no.1234103
 \$41 01234103 01
 - System response:
 //Room 1234103(Rm. Wakeup annnc-1)

Move Room

- command format: **\$42 xxxx yyyy**
xxxx : fixed 4 digits, logical room number.
yyyy : fixed 4 digits, logical room number.
 - example: Room move from 7017 to 7018
 \$42 7017 7018
 - System response:
 //Room 7017: Moved in Room 7018
-
- command format: **\$42 xxxxxxxx yyyyyyyy**
xxxxxxx: fixed 8 digits, logical room number.
yyyyyyyy: fixed 8 digits, logical room number.
 - 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-AAAAAAAAAAAAAAAAAA)

- 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 AAAAAAAAAAAAAAAAAA.
\$44 01237017 AAAAAAAAAAAAAAAAAA
- System response:
// Room 1237017(Main Addr-AAAAAAAAAAAAAAAAAA)

Register/Change Guest Sub Address (Zip code & State(City))

- 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 BBBBBBBBBB.
\$45 7017 BBBBBBBBBB

- System response:
//Room 7017(Sub Addr- BBBB BBBB)

- command format: **\$45 xxxxxxxx cccc....cc**
xxxxxxx: 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**
xxxxxxx: 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**
xxxxxxx : fixed 8 digits, logical room number for personal group range.
yyyyyyy : 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.

Order	Attribute	Value	Range
1	Bath Alarm Timer (sec)	5	01-20
2	Base Time In Room Rate	12	00-23
3	Check In/Out On-line Print	ON	
4	Echo Mode	ON	
5	Toll Charge To Room	OFF	
6	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
7	Fidelio Interface	OFF	
8	Fidelio Server Address		
9	Fidelio Server Port	65535	
10	Check In Language Info	OFF	
11	Display 20 Character Room Name	OFF	
12	Fidelio Use Smdr C Type	ON	
13	Fidelio Use Minibar C Type	ON	
14	MiniBar Announcement	0	0 - 200 (0 : Unused)
15	IPATD PMS Connection	ON	
16	Call To ATD From Check Out Room	OFF	
17	Make Room Dirty at 24:00	OFF	

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

ATTRIBUTE	DESCRIPTION	DEFAULT
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 RS232-C/TCP port according to this option.	ON
Echo Mode	In Echo Mode, processing result printed out RS232-C/TCP 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 RS232-C/TCP.	
Fidelio Interface	This field is a select to use a Fidelio interface.	OFF
Fidelio Server Address/Port	With this field, operator can configure 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 "Multi 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
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.	00-200 (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't 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 higher priority.	ON

ATTRIBUTE	DESCRIPTION	DEFAULT
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
Make Room Dirty at 24:00	If this option is set to ON, all check-in room status are changed to Dirty at 24:00.	OFF
Mitel PMS Usage	Specify whether to use Mitel PMS features. If a system has not enough license for third party PMS client expansion, this attribute can't be enable	OFF
Mitel PMS Address	Set IP address of Mitel PMS service provider for connection	0.0.0.0
Mitel PMS Support AYT	Specify whether Mitel PMS service provider support AYT(AREYOUTHERE) message. This message is sent by the PMS to ensure that the system is still responsive when the PMS is equipped to send out AYT messages. The user must check Mitel PMS service provider support AYT message before setting this attribute.	OFF
Mitel SMDR Usage	Specify whether to use Mitel PMS SMDR features. If a system has not enough license for third party PMS client expansion, this attribute can't be enable	OFF
Mitel SMDR Address	Set IP address of Mitel PMS SMDR service provider for connection	0.0.0.0
Delete Voice Mail When Check Out	Delete VSF VM message when check out if this option is ON. Otherwise delete VSF VM message when next guest check in	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 4.2.1.

Order	Check All	Attribute	Value
1	<input type="checkbox"/>	Name Display	OFF
2	<input type="checkbox"/>	Bath Alarm	OFF
3	<input type="checkbox"/>	Wake-Up Announcement (00-70, 00:default annnc)	0
4	<input type="checkbox"/>	Use Manager Code	OFF
5	<input type="checkbox"/>	Preserve User Greeting	OFF
6	<input type="checkbox"/>	Check Out Notify Station 1	
7	<input type="checkbox"/>	Check Out Notify Station 2	
8	<input type="checkbox"/>	Preserve Previous Room To Room Call Option	OFF
9	<input type="checkbox"/>	DND Room Call To Attendant	OFF
10	<input type="checkbox"/>	Check Out Room COS	7

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 lifts 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

ATTRIBUTE	DESCRIPTION	DEFAULT
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
DND Room Call to Attendant	If this option is set to ON, DND room call is routed to attendant.	OFF
Check Out Room COS	When a guest is Checked Out, the room COS can be assigned.	7

4.3 Room Type (302)

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

The screenshot shows the 'Hotel Data' configuration interface. On the left, a sidebar lists various attributes, with 'Room Type(302)' selected. The main area displays the configuration for 'Station Range 1005'. A table with columns 'Attribute' and 'Value' is shown. The 'Station Type' attribute is set to 'Office Type' from a dropdown menu. Other attributes like 'Station Name' are also listed. The interface includes navigation buttons like 'Check All', 'Save', and 'Cancel'.

Table 4.3.1 Room Type

ATTRIBUTE	DESCRIPTION	DEFAULT
Station Type	There are 5 room types – Office / Hotel Room / Hotel Service / Hotel Front / Hotel Maid Type.	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 checks out.

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

The screenshot shows the 'Hotel Data' configuration window. On the left, a tree view under 'Hotel Data' has 'Room Class(303)' selected. The main panel displays a table with two columns: 'Attribute' and 'Value'. The 'Attribute' column contains 'Room Class'. The 'Value' column has a dropdown menu open, showing a list of values from 00 to 19. Above the table, there is a text input field for 'Enter Station Range' and a 'Station Range 1002-1005' label. At the top right, there are navigation buttons: '<', 'Attenda...', 'Room T...', 'HOTEL...', 'HOTEL...', 'Room ...', and '>'. There are also 'Log' and 'Save' buttons.

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							

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 number.	

4.6 Call Charge Rate (305)

This feature allows the operator to assign a call charge rate to an individual room when a guest checks 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.

The screenshot shows the 'Call Charge Rate (305)' input entry page. On the left is a sidebar titled 'Hotel Data' 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) (highlighted), MiniBar List(306), Tax Rate(307), Part Time(308), Room Charge Preview, ICM Call Of Room, and Call Group of Room Overview. The main area has a breadcrumb trail: < HOTEL At... x HOTEL R... x Room Cla... x Room Cla... x. Below the breadcrumb is a 'Call Char...' button with a refresh icon. To the right of the breadcrumb is a 'Save' button. Below the breadcrumb is a table with the following data:

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

Table 4.6.1 Call Charge Rate

ATTRIBUTE	DESCRIPTION	DEFAULT
Bin No	Call charge rate table bin number.	
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

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			

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	DEFAULT
Master Station	CC usage.	ON
	CC on busy usage.	ON
	CC ICM 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) x Part Time(300) x Personal G... x Personal G... x **Personal ...** x

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.

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. Input single room number (ex : 100) Input multiple room number (ex : 100, 101, 105) 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 >

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... x ICM Call... x Call Gro... x Call Gr... x One-Tim... x >

Enter Station Range : ? Load Save

Station Range 1000-1020

Attribute	Value	Range
Call Group	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 page in the iPECS software. On the left, a 'Hotel Data' sidebar lists various attributes, with 'One-Time CO Call' highlighted. The main content area features a breadcrumb trail at the top: '< Room C... ICM Call... Call Gro... Call Gro... One-Ti...'. Below this, there is an 'Enter Station Number' field with a 'Load' button and a 'Save' button. The 'Station Number' is set to 1002. A table with two columns, 'Attribute' and 'Value', is shown. The first row is 'Charged Room Number' with a value of '1000'. The second row is 'One-Time CO Call' with a value of 'ON' and a dropdown arrow.

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.

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	Wake-Up Announce
1000	C/V																	
1001																		
1002	D/O	09/10-18	AAAA	2,2	00								Yes	123	1	-123	Prompt1	0
1003	C/V																	
1004	C/V																	
1005																		
1006	C/V																	
1007	C/V																	
1008	C/V																	
1009	D/O	09/10-18	QQQQ	1,1	00								No	0		551	Prompt1	0

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 4.15.1 or Figure 4.15.2.

Attribute	Value	Remark
Guest Name	AAAA	Max 20 Characters
COS	Day: 2 Night: 2	
Wake-Up	hh: mm: One-Time	This Attribute is Available when New 5 Wake Up Usage is OFF
Wake-Up 1	hh: mm: Disable YY: MM: DD:	This Attribute is Available when New 5 Wake Up Usage is ON
Wake-Up 2	hh: mm: Disable YY: MM: DD:	This Attribute is Available when New 5 Wake Up Usage is ON
Wake-Up 3	hh: mm: Disable YY: MM: DD:	This Attribute is Available when New 5 Wake Up Usage is ON
Wake-Up 4	hh: mm: Disable YY: MM: DD:	This Attribute is Available when New 5 Wake Up Usage is ON
Wake-Up 5	hh: mm: Disable YY: MM: DD:	This Attribute is Available when New 5 Wake Up Usage is ON
ICM Call	Yes	
Group	00	00 - 99
Auth Code	1	
Pre-paid	123	0 - 999999
Call Charge Rate	1	0 - 5
Multi Language	Prompt1	
Wake-Up Announce	0	00 - 70 (00 : Default)
Company Name	BBBB	Max 30 Characters
Street Address	CCCC	Max 70 Characters
Zip code & State(City)	DDDD	Max 50 Characters

Figure 4.15.2 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).	

ATTRIBUTE	DESCRIPTION	DEFAULT
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.

Hotel Data

Zone Data

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**

Call Group... Call Group... One-Time ... Check In/... Check In

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

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 | Check In/Out Ov... | Check In | Check Out | **Hotel Info**

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.

The screenshot displays the 'Hotel Data' sidebar on the left, which includes a list of features such as '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' (highlighted in blue). The main area on the right shows a navigation bar with tabs for 'One-Ti...', 'Check L...', 'Check In', 'Check Out', and 'Hotel Info'. Below the navigation bar, there is a section for 'Enter Station Number : [input field] [Load] [Save]'. The 'Station Number 1002' is displayed. A table with two columns, 'Attribute' and 'Value', is shown. The table contains one row: 'Room Number To Move' with the value '1005' in an input field.

Attribute	Value
Room Number To Move	1005

Figure 4.17.1 Move Room

5 Flexible Numbering Plan

Please refer to the A&P manual Appendix B.

Thanks for purchasing iPECS System

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