

UNIVERGE SV9500

FP95-115 V5

Data Programming Manual - Hotel

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UNIVERGE SV9500 HOTEL - FEATURE LIST (1 / 6)

LEGEND * - There are some restrictions. X - Applicable — - Not Applicable N - Not Available A - Administration Station for Hotel System G - Guest Station for Hotel System XX - Feature developed by NEC Corporation of America Countries - Asia, Latin America, Middle East, Russia SP Controlled Std.SIP - Connection test is required in advance. SIP Handler-Controlled Std.SIP (Single/Multi Line) - Connection test is required in advance. SIP Handler-Controlled Std.SIP (Multi Line) - North America ONLY																									
INDEX	FEATURE NAME	PIR/ Peripheral Box	MARKET INFORMATION				Analog			Dterm / DT				PHS	PCS	Vo WLAN	SP Controlled Std.SIP	SIP Handler-Controlled Std.SIP (Single Line)	SIP Handler-Controlled Std.SIP (Multi Line)	CCIS	CCIS (Hotel)	FCCS	Location Diversity	SR-MGC(E)	REMARKS
			North America	Australia	Countries	EMEA	PIR	UG50	MC	Digital Terminal	UG50	IP Terminal *1	Soft Phone												
[A-10/ A-27]	Automatic Wake-Up	PIR VS32	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G*1	G*1	-	X	X	X*	X	*: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node. *1: Only answering a wake-up call is available.
[A-25/ A-47]	Attendant Console with Hotel Functions	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	N	N	N	
[A-26]	Audit Reports		X	X	X	-	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	-	N	-	Requires Input/Output Controller circuit card (IOC).
[A-48]	Automatic Message Waiting Lamp Off	PIR*	X	X	X	X	-	X	X	X	X	X	A	-	-	N	N	X*1	X*1	-	-	-	N	X	*: Requires PIR when using ATTCN for igniting MWL *1: Depends on terminal
[A-57]	Alert Service	PIR VS32	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	-	N	X*	X	Feature setting is available from any terminal by dialing the ACC *: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[A-58]	Automatic Wake-Up - Hotel Attendant	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	X	X*	N	*: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[A-73]	Automatic Multiple Attendant Recall	PIR	XX	N	N	N	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	N	
[A-74]	Answering Camp-On/Call Hold Calls by Switchhook Flash		XX	N	N	N	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	-	N	X	
[A-75]	Automated Guest Station Voice Mail Retrieval		XX	N	N	N	X	X	X	X	X	X	A	-	-	N	N	X	X	-	-	-	N	X	
[A-141]	Announcement Service - Guest Station	PIR	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	X	-	G*	X	*: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[B-26]	Busy Status - Hotel Attendant	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	X	N	N	
[B-31]	Billing Start Notification		X	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	-	
[C-19]	Calendar Display	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	-	N	N	

UNIVERGE SV9500 HOTEL - FEATURE LIST (2 / 6)

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			North America	Australia	Countries	EMEA	PIR	UG50	MC	Digital Terminal	UG50	IP Terminal *1	Soft Phone												
[C-23]	Check-In/Checkout	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X*	X	G*2	N	*: Available from Console/Dterm with Hospitality functions. *2: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[C-32]	Calling Station Number Display		X	X	X	X	-	-	-	X*	X*	X*	A*	-	-	N	N	-	-	-	X	X	N	X	*: LCD is required.
[C-71]	Called Number Display - Hotel Attendant Console	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	X	N	N	
[C-72]	Connecting Room Service		X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	-	N	G*	N	*: Guest room information is controlled per Node.
[C-147]	Call Information Display		X	X	X	X	-	-	-	G	G	G	-	-	-	N	N	-	-	-	-	N	N	X	
[C-200]	Calling/Called Party Number Protection		X	X	X	X	N	N	N	X	X	X	A	-	-	N	N	N	N	-	-	X	G	X	
[D-11]	Do Not Disturb	PIR VS32	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	X*	X	X*2	X	*: The call is transferred to the destination assigned in each office. *2: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[D-15]	Day/Night Class of Service	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	X*	N	*: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[D-25]	Direct Service Set/Reset	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	X	N	N	
[D-26]	Direct Station Selection	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	-	N	N	
[D-88]	Directory Assistance Interface	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	N	Requires PMS for this feature.
[D-89]	Direct Selection - Outside	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	-	N	N	
[D-105D]	Hotel Functions -D		X	X	X	X	-	-	-	A	A	A	A	-	-	N	N	-	-	-	X	X	A*	-	*: Recommends setting up Key Data and Name Display by AUPDN command.
[D-107]	Direct Data Entry - Station		X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	-	N	G*	-	*: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[D-150]	Double Suite Room		X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	-	N	G*	-	*: Service cannot be provided during backup.
[D-151]	DND/MW Lamp Control		X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X*1	X*1	-	-	X	N	-	*1: Depends on terminal
[E-21]	Emergency Call Monitor - Attendant	PIR	X	N	N	N	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	N	

UNIVERGE SV9500 HOTEL - FEATURE LIST (3 / 6)

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			North America	Australia	Countries	EMEA	PIR	UG50	MC	Digital Terminal	UG50	IP Terminal *1	Soft Phone												*1: This list does not include availability of the cradle type of SIP Multiple Line terminal. Features available on the cradle type of SIP Multiple Line terminal differ depending on the application installed in it.	
[E-31]	Emergency Call through PMS	PIR	N	N	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	-	X	X*	-	Requires PMS for this feature. *: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.	
[G-1]	Guest/Administrative Service		X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	X	X	G*	-	*: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.	
[G-4]	Group Service through PMS	PIR VS32	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	X*2	X	N	N	Requires PMS for this feature. *: Available from Console/Dterm with Hospitality functions.	
[G-5]	Guest Name Display Through PMS	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	X	N	-	Requires PMS for this feature.	
[G-6D]	Guest Name Display -D		X	X	X	X	-	-	-	A*	A*	A*	A*	-	-	N	N	A*3*4	A*3*4	-	X	X	A*2	-	*: LCD is required. *2: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node. *3: Depends on terminal *4: Only the Guest Name can be displayed when a call arrives.	
[G-8]	Guest Information Display - Hotel Attendant Console	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	N		
[G-9]	Guest Information Display - PMS Terminal		X	X	X	X	-	-	-	A	A	A	A	-	-	N	N	-	-	-	-	N	N	N	Requires PMS for this feature.	
[G-11]	Guest Room Calling - Hotel Attendant	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	X	N	N		
[G-21]	Group Restriction	PIR	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	N	N	N	N		
[G-24D]	Guest Station -D		X	X	X	X	-	-	-	G	G	G*2	-	N	N	N	N	-	-	-	X	X	G*	X	*: Recommends setting up Key Data and Name Display by AUPDN command. *2: DT750 with a hotel key kit attached can be used as a guest station.	
[G-25]	Guest Name Display - PS		N	N	X	X	-	-	-	-	-	-	-	X	N	N	N	-	-	-	N	X	A*	X	*: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.	
[G-26]	Guest Room Dial-In (Rotating Indial)		N	X	X	N	X	X	X	X	X	X	N	-	-	N	N	X	X	-	N	X	G*	X	Requires PMS for this feature. *: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.	

UNIVERGE SV9500 HOTEL - FEATURE LIST (4 / 6)

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			North America	Australia	Countries	EMEA	PIR	UG50	MC	Digital Terminal	UG50	IP Terminal *1	Soft Phone												
[G-27]	Guest Station Call Record Automatic Clear		X	X	X	X	N	N	X	X	X	X*	N	N	N	N	N	X*3	X*3	-	-	X	G*2	N	*: Call history data of Call History [C-195] (both System side and Terminal side) cannot be cleared by this feature. However, when you use DT700 series with firmware versions earlier than 2.1.0.0, only Terminal Call History data can be cleared. *2: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node. *3: Depends on terminal
[G-28]	Guest Route Restriction Class Change Through PMS		X	X	X	X	G	G	G	G	G	G	-	G	G	G	G	G	G	X	-	X	N	N	
[H-8]	House Phone/Hot Line	PIR*	X	X	X	X	X	X	X	X	N	X	A	-	-	N	N	N	N	-	-	-	N	N	*: ATTCON is available for House phone call termination
[H-22]	Hotel Feature Transparency Over CCIS		X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	X	X	-	A	N	
[H-25]	Hotel PC Attendant Console through PMS	PIR	N	N	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	N	X	N	-	Requires PMS for this feature.
[I-23]	Inter-Position Transfer 2	PIR	X	N	N	N	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	-	
[I-52]	ISDN Call Rate Display to Hotel Terminal		N	N	N	X	X*	-	X*	X	-	X	A	-	-	N	N	X	X	-	-	-	X	-	*: LCD for analog station is required.
[L-27]	Language Service	PIR*	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	-	X	N	N	*: Requires PIR when using ATTCON / LCD is required.
[M-6]	Message Waiting	PIR*	X	X	X	X	-	X	X	X	X	X	A	-	-	N	N	X*3	X*3	-	X	-	G*2	-	*: Requires PIR when using ATTCON for igniting MWL *2: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node. *3: Depends on terminal
[M-22]	Maid Status	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	X	X	X*2	-	*: Requires PIR when using ATTCON for this feature. *2: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.
[M-51]	Manual Switching of Central Office Incoming Call Destination	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	N	
[M-68]	Maid Status - Answerback	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	X	N	N	N	*: Requires PIR when using ATTCON for this feature.

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			North America	Australia	Countries	EMEA	PIR	UG50	MC	Digital Terminal	UG50	IP Terminal *1	Soft Phone													
[M-121]	Multiple-Party Conference (VS32) for Hotel	VS32	X	X	X	X	X*1	X*1	X*1	X*1	X*1	X*1	X*1	X*1	X*1	X*1	X*1	X*1	X	X	X*2	N	N	*1: Administration stations (ADM) and guest stations (GST) cannot coexist in the same conference call group. Stations participating in a conference must be all ADMs or GSTs, regardless of being set for the Conference Leader port or a Conferee port. *2: Not applicable for FCCS Networking via IP (by IPTRK)		
[O-6]	Off-hook Alarm	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	N	N	-	-	X	G	N	*: Requires PIR when using ATTCON for this feature.	
[O-9]	Overtime Call	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	N	X	G*2	N	*: Requires PIR when using ATTCON for this feature. *2: Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.	
[P-29]	PMS Interface	PIR*	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	X	X	N	X	Requires Input/Output Controller circuit card (IOC) when using RS-232C connection	
[P-34]	Paging Console	PIR*	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	-	N	N	*: Requires PIR when using ATTCON for this feature.	
[P-85]	Phonebook for Hotel		X	X	X	X	-	-	-	X	X*1	X*2	N	-	-	-	-	N	N	-	-	-	X	N	*1: This feature is available only for DT300 series equipped with Soft key. *2: Available only for IP terminal (SIP)	
[R-9]	Room Cutoff	PIR*	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	X	X	X*2	-	*: Requires PIR when using ATTCON for this feature. *2: Guest room information is controlled per Node. Requires External equipment such as PMS, Attendant Console, etc. in Backup Node.	
[R-10]	Room Status	PIR*	X	X	X	X	-	-	-	A	A	A	A	-	-	N	N	-	-	-	X	X	A	-	*: Requires PIR when using ATTCON for this feature / LCD is required.	
[R-17]	Room Numbering		X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	-	-	-	X	-	N	-		
[S-17]	Split Access to Outgoing	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	X	X	X	X	-	*: Requires PIR when using ATTCON for this feature.	
[S-32]	Screening	PIR	X	X	X	X	-	-	-	-	-	-	-	-	-	N	N	-	-	-	-	N	N	-		
[S-49]	Service Call Routing	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	X	X	X	X	X	*: Requires PIR when using ATTCON for this feature.	

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[S-74]	Secretarial Service - Guest Station	PIR	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	-	N	G*	-	*1: This list does not include availability of the cradle type of SIP Multiple Line terminal. Features available on the cradle type of SIP Multiple Line terminal differ depending on the application installed in it.	
[S-75]	Suite Room Service		X	X	X	X	G	G	G	G	G	G	-	-	-	X*1	X*2	G	G	-	-	N	G*3	N	*1: MH Terminal is to be as slave station. *2: SIP-BOX is required. Available only as slave station. Conformance test is necessary in advance. *3: Service cannot be provided during backup.	
[S-128]	2nd Wake-up Call - Same Guest Station	PIR	X	X	X	X	G	G	G	G	G	G	-	-	-	N	N	G	G	-	X	X	N	X		
[S-156]	Speed Calling - Guest Station		X	X	X	X	N	N	N	X	X	X	A	N	N	N	N	-	-	-	-	X	X*	X	*: Recommends setting up Key Data and Name Display by AUPDN command.	
[T-13]	Toll Terminal Access	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	-	X	N	-	*: Requires PIR when using ATTCN for this feature.	
[T-21]	Timing Start For Hotel	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	X	-	X	X	X	*: Requires PIR when using ATTCN for this feature.	
[W-2]	Wake-up Announcement - Headstart	PIR*	X	X	X	X	X	X	X	X	X	X	A	-	-	N	N	X	X	-	X	N	N	N	*: Requires PIR when using ATTCN for this feature.	

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CHAPTER 1

INTRODUCTION

1. General

UNIVERGE SV9500 is full-featured system that supports advanced networking and IP Telephony on both the trunk side and the station side. From the small hotel requiring basic service to the medium-sized hotel or hospital, the system offers the most sophisticated and enhanced features to satisfy the most demanding-five star expectations by a single system. This manual explains these Hotel Service Features of the system, which provides built-in facility management and guest services such as Automatic Wake Up and Do Not Disturb functions.

2. How to Follow the Manual

This manual explains data assignment for Hotel Service Features of Telephony Server under the following headings.

Chapter 1 Introduction:	Explains the configuration of this manual.
Chapter 2 System Configuration:	Explains the network configuration and main functions.
Chapter 3 Data Assignment Procedure for Hotel System:	Explains the commands to be assigned for the Hotel System and the data assignment procedure.
Chapter 4 Numbering Plan:	Explains the numbering plan and related commands in the Hotel System.
Chapter 5 Description of Hotel Service Features:	Explains details on each Hotel Service Feature.

3. Reference Manuals

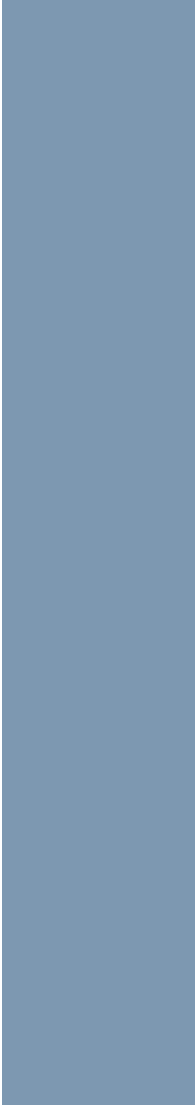
This manual is designed for data assignment of Hotel Service Features only. For other information, refer to the following reference manuals.

Command Manual:	This manual contains information primary for Business systems. However, this manual does have valuable information that is specific to Hotel Systems.
Data Programming Manual - Business/CCIS:	This manual contains Business and CCIS feature descriptions. This manual also explains how to program each Business and CCIS feature.



CHAPTER 2

SYSTEM CONFIGURATION



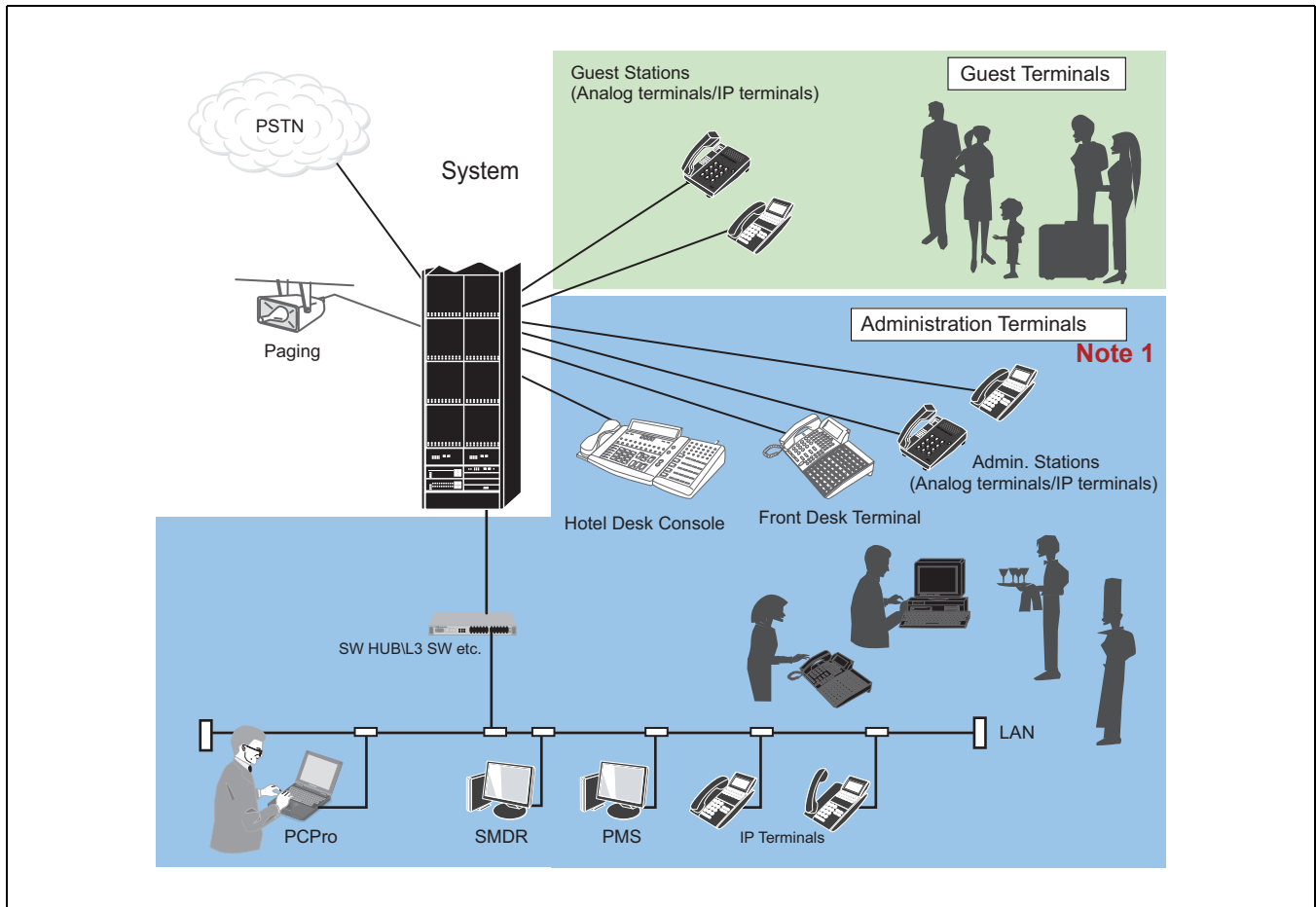
1. Concept of Hotel System

This chapter explains the System Configuration of Hotel features. Hotel System consists of Business features and Hotel features. For the Business features, refer to the Data Programming Manual - Business. For the unique features of Hotel System, refer to “Main Functions of Hotel Feature” in this chapter, and also refer to CHAPTER 5 of this manual.

2. System Configuration of Hotel System

Using various equipment, SV9500 Hotel System provides regular business features, call handling capability and hotel functions. The following is an example of the system configuration of hotel system.

System Configuration of Hotel System



Note 1: When using the Special Administration station, assign SFI=45 to the station by the ASFC command.
The Special Administration station indicates a Hotel Console or a station that is available to set the hotel features (such as ALERT SERVICE [A-57], AUTOMATIC WAKE-UP [A-10/A-27], and GUEST NAME DISPLAY [G-6D]).

3. Main Functions of Hotel Feature

The main functions of Hotel Service Features are as follows:

SERVICE	DESCRIPTION
Check - In/Out	This service manages Vacant/Occupied status of each Guest room, and automatically restricts/cancels the restriction for such services as C.O. outgoing call, Automatic Wake-Up, etc. according to the present status of each Guest room.
Room Cut Off	This feature allows the Console, PMS terminal, or Front Desk Terminal to temporarily restrict outgoing C.O. calls from Guest room telephones while the Guests are away.
Language Service	The function provides the announcement in the guest's language and the language information display in some services is activated.
Guest Information	The function enables guest information to display on the Special Administration station and the SN716 Desk Console.
Automatic Wake-Up	The function enables system to be programmed to automatically call guest rooms at specified times.
Message Waiting	This function enables some terminals to illuminate a lamp on an individual station to notify that a message is waiting.
Do Not Disturb	This function enables terminals to block incoming calls.
Maid Status	This function enables stations to update the status of guest room conditions, which are stored in Hotel Processor (HP) and are forwarded to the PMS computer.
Service Call Routing	This function enables several extensions to be assigned the same number, which sets up service stations having the same number at several places in the hotel.
Timing Start	This function enables single-digit and multi-digit stations to use the same numbering plan levels.

Note: For the details of those features, see CHAPTER 5, "DESCRIPTION OF SERVICE FEATURES," in this manual.



CHAPTER 3

DATA ASSIGNMENT PROCEDURE FOR THE HOTEL SYSTEM

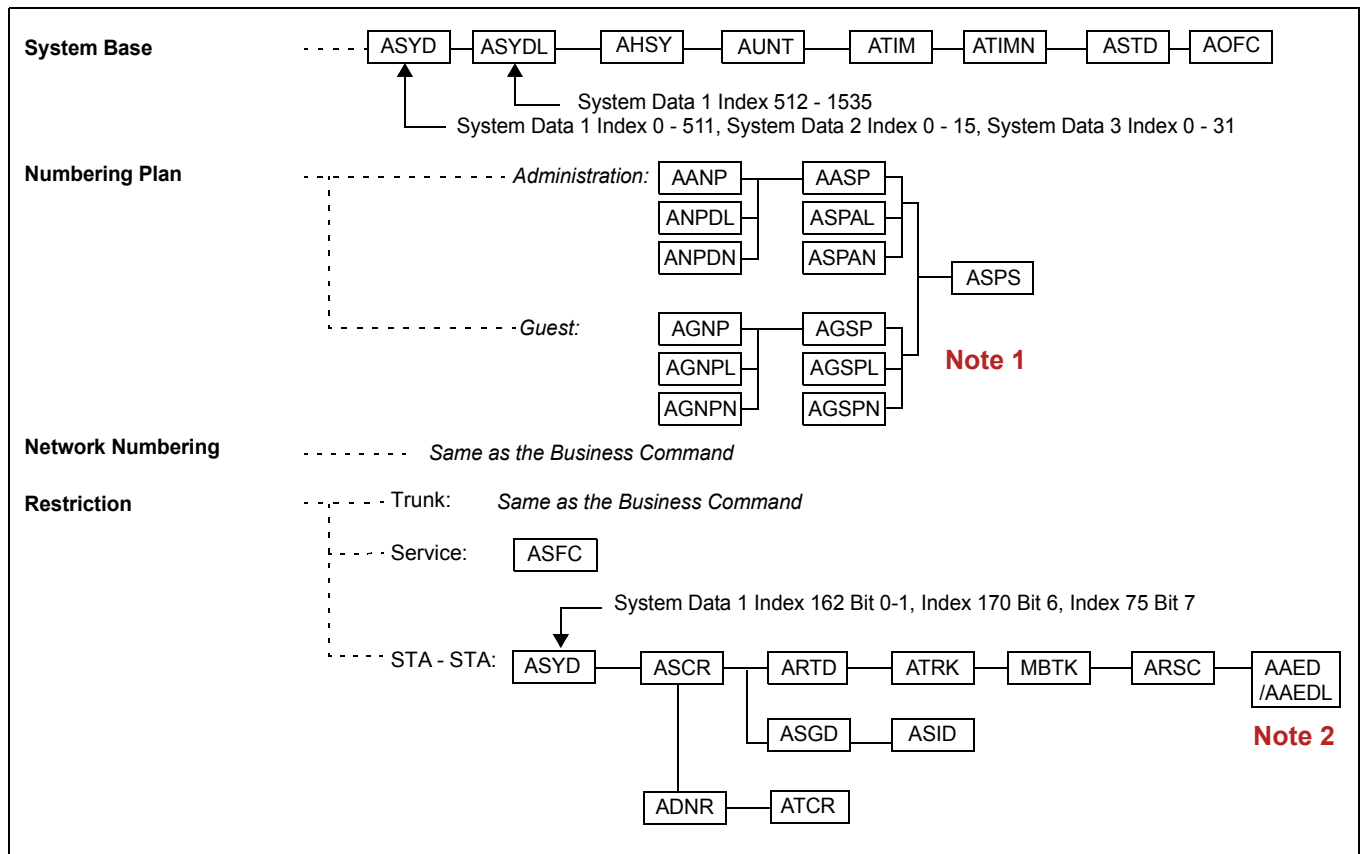
1. General

This chapter explains the commands to be assigned for the Hotel System and the data assignment procedure.

2. Hotel Command

The following flowchart shows how to assign the Hotel command data.

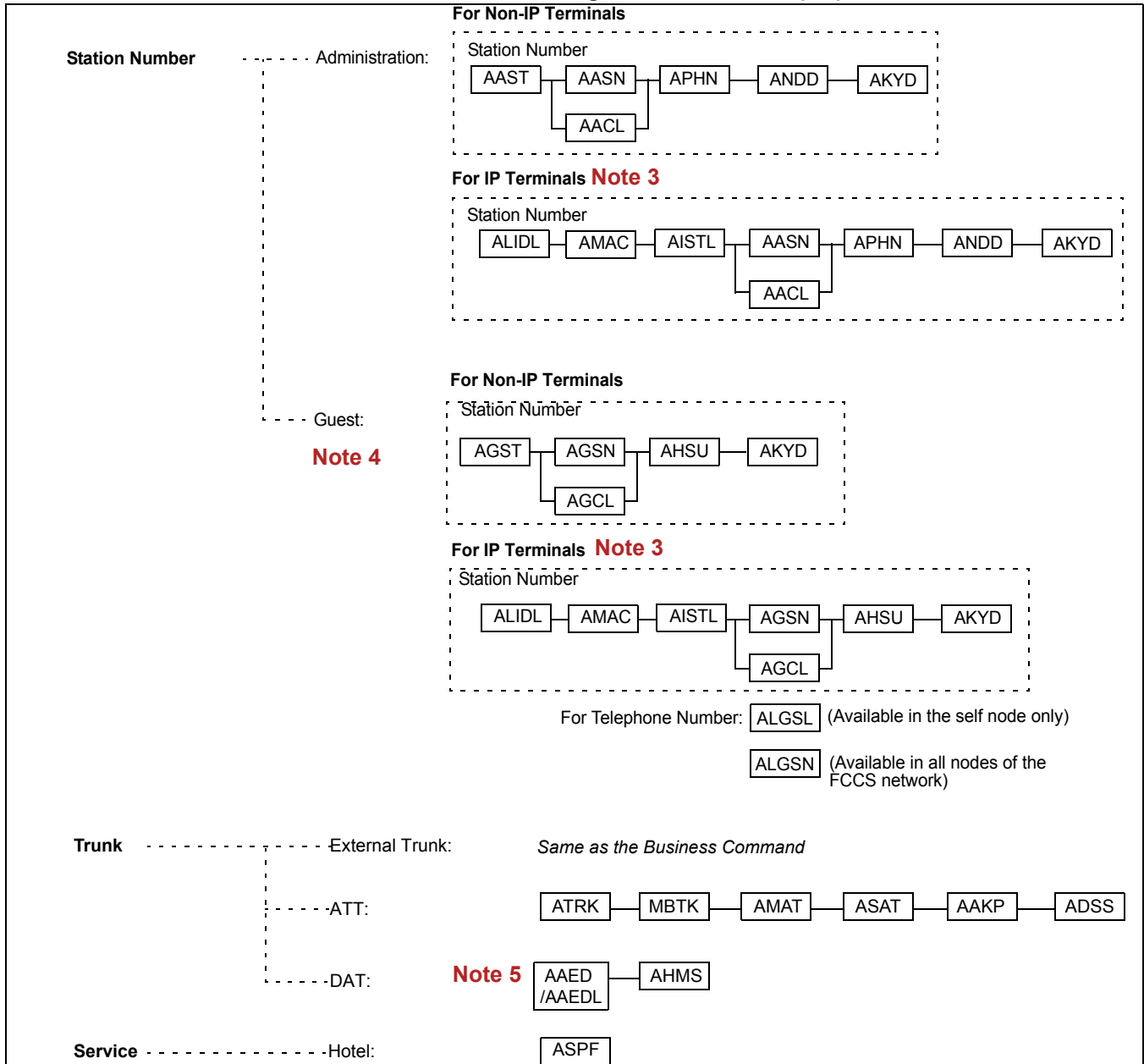
Hotel Command Data Assignment Flow Chart (1/2)



Note 1: When using common guest/administration numbering plan (ASYD, SYS1, Index 160, Bit 6=1), only use the administration numbering plan commands.

Note 2: AAEDL needs to be used to be used when VS32 is used.

Hotel Command Data Assignment Flow Chart (2/2)



Note 3: When you use Softphones in the Hotel system, you can use them only as Administrative Stations under the following conditions.

- For Soft Client SP350, version 5 or later software is required.
- For DtermSP30, version 18 (18.5.0.0) or later software is required (Proprietary Protocol only).
- To use Call History function of Softphone, some settings for the Hotel system are required on the Softphone side. For details on the settings, refer to the UNIVERGE Soft Client SP350 Operations and Maintenance Manual.

Note 4: Do not assign the guest stations to Group 0 of Unit 0 in Module Group 0 (G=00, U=0, MG=00).

Note 5: AAEDL needs to be used when VS32 is used.

3. Data Assignment Procedure for Hotel System

This section explains command assignment procedure. **Note 1**

Note 1: When using Hotel Service Features, the Tenant Number (TN) of the Hotel tenant must be assigned as "1".

STEP 1: ASYD SYS1

Index	10	Bit 0~Bit 2: PMS IO Port Number for Note 2 Bit 6~Bit 7: Hotel Text Queue to PMS Note 2
	11	Bit 0~Bit 2: IO Port Number for hotel printer Bit 6~Bit 7: Hotel Text Queue to hotel printer
	160	Bit 0=1: Hotel Application is available Bit 1=1: Hotel Service (Fixed "1") Bit 2=1: Room Status Memory - 24 bytes Bit 5=1: Guest Name Services is available Bit 6=0/1: Numbering Plan Data Table of guest station and administration stations Separate/Common
	176	Bit 6=0: PMS Interface Text Output (All Event Printout)

STEP 2: AHSY

Index	1~32:	The Type of Language Information Display Note 3
	100	Bit 2: The number of characters in Language Information Display
	150	Bit 0~Bit 2: PMS Interface Type Model 60/90/120
	399	Bit 0~Bit 2: The number of concurrent calls per unit. Note 4, Note 5

Bit 2	Bit 1	Bit 0	
0	0	0	: 8Lines
0	0	1	: 1Line
0	1	0	: 2Lines
0	1	1	: 3Lines
1	0	0	: 4Lines
1	0	1	: 5Lines
1	1	0	: 6Lines
1	1	1	: 7Lines

Bit 3: Restrictions of the number of concurrent calls per unit. 0/1=No/Yes

Note 2: When using an RS-232C connection for PMS, assign the corresponding data.

Note 3: The following seven languages are default.

1. Japanese
2. English
3. Germany
4. French
5. Spanish
6. Chinese
7. Russian

Refer to Data Programming Manual - Business for more details.

Note 4: The number of concurrent calls by AUTOMATIC WAKEUP [A-10/A-27], 2nd WAKE-UP CALL-SAME GUEST STATION [S-128] only AUTOMATIC WAKEUP [A-10/A-27] and GROUP WAKEUP ANNOUNCEMENT can be controlled per unit. It prevents the delay of ringing when the maximum number of terminals enabling concurrent calls has been exceeded due to the congestion of calls made to one circuit card, Analog MC, or IPG Analog. For information on the maximum number of terminals enabling concurrent calls, refer to each LC card section of Circuit Card Description and "Conditions" of Peripheral Equipment Description (IP Devices). There is no restrictions to Analog MC and GUEST STATION-D [G-24D].

Note 5: This data is valid for Index 399 Bit 3=1.

Note: Note that this is only valid for the Analog stations accommodated in LC card/Analog MC/IPG Analog.

4. Data Assignment Procedure for Hotel System in an FCCS Network

4.1 Data Assignment Procedure for Station

STEP 1: Basis Data

ASYD

SYS1

Index	4	Bit 2~Bit 3: Assign Releasing Method for Station to Station Calling Service.															
		<table border="0"> <tr> <td>Bit 3</td> <td>Bit 2</td> <td></td> </tr> <tr> <td>0</td> <td>0</td> <td>= Calling Party release</td> </tr> <tr> <td>1</td> <td>0</td> <td>= First Party release</td> </tr> <tr> <td>0</td> <td>1</td> <td>= Called Party release</td> </tr> <tr> <td>1</td> <td>1</td> <td>= Both Party release</td> </tr> </table>	Bit 3	Bit 2		0	0	= Calling Party release	1	0	= First Party release	0	1	= Called Party release	1	1	= Both Party release
Bit 3	Bit 2																
0	0	= Calling Party release															
1	0	= First Party release															
0	1	= Called Party release															
1	1	= Both Party release															

Index	16	Bit 0~Bit 5: Assign the number level on station number composition.
		Bit 0: 1-digit station number Bit 1: 2-digit station number Bit 2: 3-digit station number Bit 3: 4-digit station number Bit 4: 5-digit station number Bit 5: 6-digit station number

SYS3

Index	1	Timer Value for Ringer used for Station Calls (Ringer Pattern 1)
		Normally, this Index is assigned data 42 Hex. (2 sec.=ON, 4 sec.=OFF)

STEP 2: Numbering Plan

For administration station

ANPDN (or ANPDL) Assign the 1st DC of the station numbers.

For guest station **Note 1**

AGNPN (or AGNPL) Assign the 1stDC of the station numbers.

STEP 3: Numbering Plan for Access Code

For administration station

ASPDN (or ASPAL) Assign "TELN: Telephone Number" for station number access.

For guest station **Note 1**

AGSPN (or AGSPL) Assign "TELN" for station number access.

STEP 4: Station Data **Note 2**

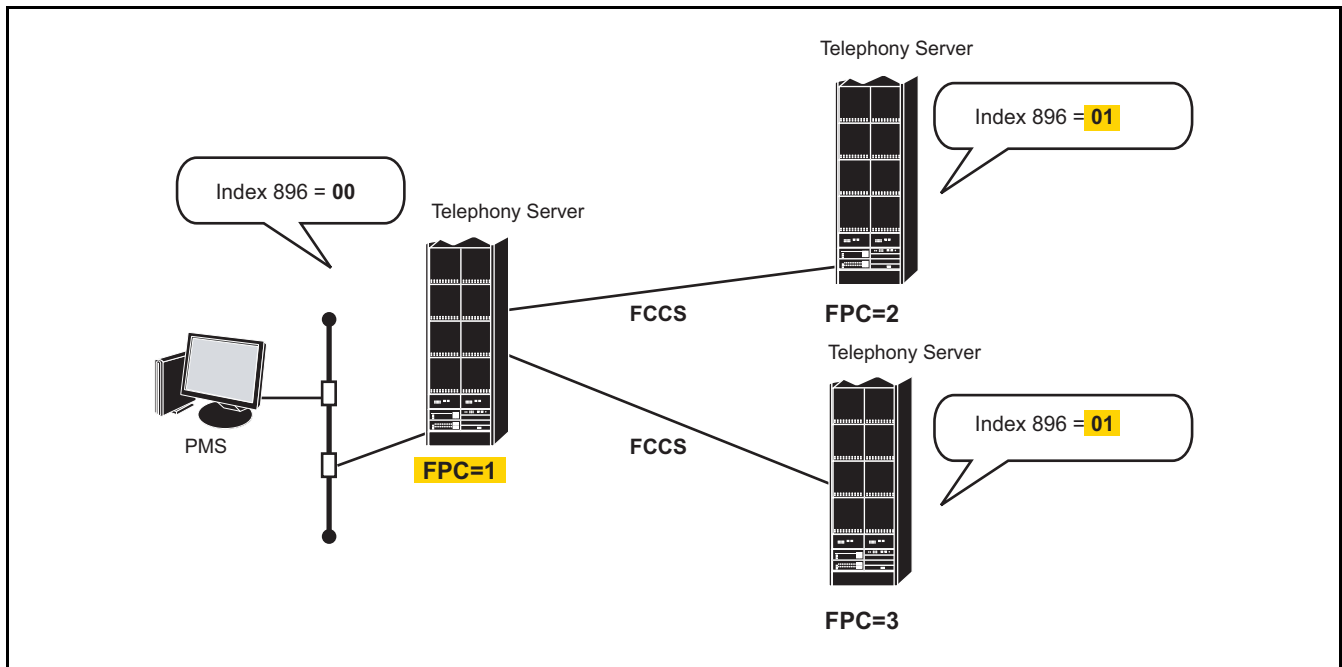
For administration/guest station

ALGSN (or ALGSL) Assign Telephone Number to the destination station number.

Note 1: These commands are not necessary when guest/administration numbering plans are common.

Note 2: Telephone Number (Logical Number) must be the same as station number (Physical station number).

4.2 Data Assignment for Guest Room Information Using PMS/Hotel Printer with FCCS network



4.2.1 Data Assignment Procedure

STEP 1: ASYDL SYS 1

Index 896 Bit 0~Bit 7: Fusion Point Code (FPC) of the node providing PMS.

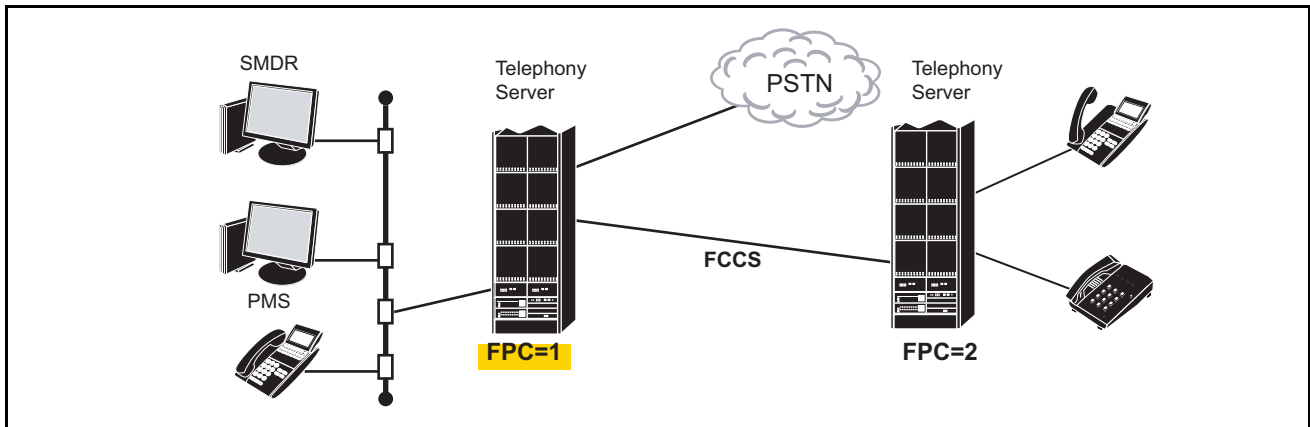
STEP 2: AHSY

Index 441 Bit 0=1: Audit output readout by Telephone Number is in service.

4.2.2 Service Conditions

1. Only one PMS can be located on an FCCS Network.
2. Hotel Printer must be located at the same node of PMS.

4.3 Data Assignment for Billing Data Using SMDR with FCCS network



4.3.1 Data Assignment Procedure

For SMDR data assignment procedure, refer to STATION MESSAGE DETAIL RECORDING (SMDR) [S-10] in Data Programming Manual - Business.

4.3.2 Service Conditions

1. PMS and SMDR must be located at the same node.

4.4 Data Assignment for FCCS Cluster

FCCS Cluster is available for the Hotel System.

4.4.1 Data Assignment Procedure

STEP 1: To activate FCCS Cluster in the Hotel System, first, fulfill the following conditions: **Note 1**

- FCCS data programming must be pre-assigned and activated.
For details, refer to Chapter 5, “DATA PROGRAMMING,” in Data Programming Manual - FCCS.
- FCCS data programming for the Hotel System must be pre-assigned and activated.
Refer to “Data Assignment Procedure for Hotel System in an FCCS Network” earlier in this chapter for details.

Note 1: Refer to Location Diversity [L-55] in Data Programming Manual–Business for details on FCCS Cluster.

STEP 2: **AUPDN** - Assign the following parameters unique to the Hotel System.

Administration station/Guest station (ADM/GST)

ADM= Administration station

GST= Guest station

Room Class (ROOM CLASS)

Data range differs by station type: Administration station (ADM) or guest station (GST).

- For administration station (ADM)
 - 0= Administration station/Guest Service Telephone (Digital terminal, IP terminal)
 - 1–5= Not used
 - 6= Guest Service Telephone (IP terminal and External Equipment)
 - 7–15= Not used
- For guest station (GST) **Note 2**
 - 0–14= Not used
 - 15= Guest station

Type of Building (ANNEX)

0= Main Building

1= Annex 1

2= Annex 2

3= Annex 3

Ground/Underground (GROUND)

0= Ground

1= Underground

Floor number (FLOOR)

Enter from 1st to 127th floor.

Note 2: When using an Analog terminal DP/PB (TEC=3/7) for guest station, ROOM CLASS is not fixed to "15 (guest station)."

Example:

0=Single Room

1=Suite Room

4.4.2 Service Conditions

1. To use this feature, Hotel System must be assigned to both Primary Node and Backup Node. It is recommended that the data assignment for both nodes be identical.
2. For both administration stations and guest stations, this feature performs backup per terminal.
3. Guest room information is managed per node. In case of Changeover or Switchback, guest room information is not transferred between nodes.
4. Backup is not provided for external equipment such as PMS or Hotel Desk Console.
5. Backup Node monitors the terminals placed under its control.
6. Terminals placed under control of the Backup Node cannot be registered as a group. When attempt is made for group registration, registration data text is acknowledged as an error. Check-In procedure and Data Change procedure will not be performed either.
7. AUTOMATIC WAKE-UP [A-10/A-27] only activates when the terminal is registered to the node where it was programmed. If the terminal is registered to a different node and the predetermined time for AUTOMATIC WAKE-UP [A-10/A-27] arrives, the original node will handle it as an unanswered Wake-Up attempt.
8. To find out the availability for each feature, refer to the UNIVERGE SV9500 HOTEL - FEATURE LIST.

[Reference] Hotel Printer, PMS Data Assignment Example

The following shows an example data assignment for Hotel Printer and PMS regarding ASYD, ASYDL and AIOC commands. This data is sample data. Therefore the data may require some modifications depending on your system configuration.

-Hotel Printer

[ASYD]

IOC Port Number: Index 11, Bit 0-2 (I/O Port Designation)

[AIOC]

TERMINAL=8

PROTOCOL=0 (Free wheeling)

SPEED=3 (1200 bps)

PARITY BIT=0 (Non Parity)

STOP BIT=0 (2 bits)

CHARACTER BIT=0 (8 bits)

-PMS**<When using RS-232C>**

[ASYD]

PMS Interface: Index 897, Bit 0=0 (RS-232C)

[ASYD]

IOC Port Number: Index 10, Bit 0-2 (I/O Port Designation)

[AIOC]

TERMINAL=7

PROTOCOL=3 (Level 2A)

SPEED=0 (4800 bps)

PARITY BIT=2 (Even Parity)

STOP BIT=0 (2 bits)

SYNC=0 (ST1)

CHARACTER BIT=1 (7 bits)

SYNC CHARACTER:SYSTEM MESSAGE SCAN=0 (Bi-sync)

BUSY SIGNAL=0 (+)

PB SIGNAL=0 (No PB Signal)

ENH: EXTENDED BLOCK PARAMETER=0 (Invalid)

<When using LAN>

[ASYDL]

PMS Interface: Index 897, Bit 0=1 (LAN)



CHAPTER 4

NUMBERING PLAN

1. General

This chapter explains the numbering plan, and commands related to the numbering plan in the Hotel System. In Hotel Service Features, guest room terminals and administration terminals can be assigned in different numbering plan tables (normally, guest room terminals and administration terminals use a common numbering plan). Therefore, different services can be used by the same numbering plan. **Note 1**

Access codes for various Hotel Service Features are determined according to the dial access numbering plan.

Note 1: The same number cannot be assigned as both a guest and an administration terminal within the same tenant.

2. Dial Access Numbers

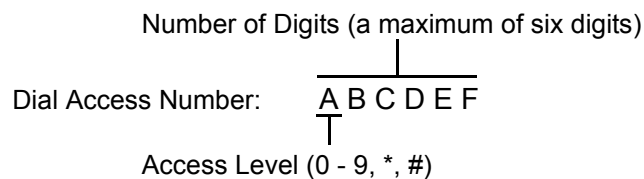
The following are the three types of dial access numbers.

- Station Access Numbers
- Special Service Access Numbers
- Trunk Access Numbers

This section explains the procedure for determining these dial access numbers and precautions.

3. Basic Knowledge of Dial Access Numbers

- (a) A dial access number consists of an access level and a number of digits as shown below:



- (b) For the Hotel System, the service to be performed is determined according to the specific dial access number.
- (c) For the Hotel System, the following numbering plan development tables are available with the system data assignment of ASYD, SYS1, Index 160, Bit 6.
- Bit 6 = 0 (Numbering plan development tables are provided separately for administration and guest)
 - Bit 6 = 1 (Common guest/administration numbering plan development table is provided)

Note: It is recommended to use common guest/administration numbering plan (ASYD SYS1, Index160, Bit 6 = 1).

The Hotel System can have two numbering plan development tables with the system data assignment of ASY-DL, SYS1, Index 160, Bit 6 = 0 (Numbering plan development table is provided separately for administration and guest). One is for administration stations and the other for guest stations. The dial access number for administration stations and the dial access number for guest stations can be provided independently. See the tables below for examples.

Note: To allow guest stations to use Call Forwarding features, assigning the Call Forwarding destination on the both of numbering plan development tables is required. If not, Call Forwarding features do not work.

Examples:

- Dial Access Numbers for administration stations

DIAL ACCESS NUMBER	ACCESS TO
"0"	Split Access (Operator Call)
"10"	Speed Calling – System
"12"	Call Hold
"2XXXX"	Guest station (four or five digits) of Main Building
"3XXXX"	Guest station (four or five digits) of Annex
"4XXX"	Administration station (four digits)
"5XXX"	Special Administration (four digits)
"8X"	Two-Digits Trunk
"9"	Central Office Trunk
"6" and "7"	Vacant Level

- Dial Access Number for guest stations **Note 1**

DIAL ACCESS NUMBER	ACCESS TO
"0"	Split Access (Special Administration station (Station 5000) call)
"13"	Automatic Wake Up; Set
"14"	Automatic Wake Up; Cancel
"2XXXX"	Guest station (four or five digits) of Main Building
"3XXXX"	Guest station (four or five digits) of Annex
"7"	Service Call Routing
"9"	Central Office Trunk
"4", "5", "6", and "8"	Vacant Level

Note 1: For the access level (1st digit of the dial access numbers) different numbers are assigned for station access numbers, special service access numbers, and trunk access numbers.

4. Station Access Numbers

- One-six digit station numbers are supported.
- The Hotel System can provide timing start service. The timing start service allows single-digit and multi-digit stations to use the same access levels. See the following example.

Examples:

- 2101: Guest station number of Room #1 on the first floor of the main building.
 21001: Guest station number of Room #1 on the tenth floor of the main building.
 3101: Guest station number of Room #1 on the first floor of the annex.
 31001: Guest station number of Room #1 on the tenth floor of the annex.

- (c) The same station number cannot be assigned twice within the same system, even if it is assigned to different tenants or to an administration station and a guest station.

5. Special Service Access Numbers

- (a) Special service access numbers of one-six digits can be assigned for each access level. One to three digits are usually used.
- (b) The Hotel System can provide same number access (split access) service. Same number access service can provide both administration and guest stations with the different Hotel Service Features by the same number. It can also provide the same or different Hotel Service Features by the same number according to Tenant Class, Route Restriction Class (RSC) and Service Feature Restriction Class (SFC). See the table below.

Examples:

DIAL CODE	HOTEL SERVICE FEATURE FOR ADMINISTRATION STATION	HOTEL SERVICE FEATURE FOR GUEST STATION
"0"	Operation call	Special Administration station call

- (c) The Hotel System can provide the floor service. The floor service is a service function to call the room service station on each floor by the same access code. See the following example.

Examples:

- Guest station on the first floor of the main building
 Dial "7" → calling room service station (Station 4801) on the first floor
 Guest station on the second floor of the main building
 Dial "7" → calling room service station (Station 4802) on the second floor
 Guest station on the third floor of the main building
 Dial "7" → calling room service station (Station 4803) on the third floor

- (d) Special Services Requiring Access Numbers shows a listing of special services that require access numbers.

Note 1

Note 1: In a case where both Entry and Cancel are specified for the same special service, different access numbers must be assigned for entry and for cancel.

6. Trunk Access Numbers

- (a) Trunk access numbers ranging from one-six digits may be assigned on an individual basis. One to three digits are usually used.

Special Services Requiring Access Numbers

NAME OF SPECIAL SERVICE	REMARKS	NAME OF SPECIAL SERVICE	REMARKS
Account Code Dial		Executive Right-of Way	
Attendant Manual Override		Faulty Trunk Report	
Authorization Code/Forced Account Code Dial		Flash Signal Sending (CAS Main Station)	
Automatic Wake Up – Set		Group Announcement – Entry	
Automatic Wake Up – Cancel		Group Announcement – Cancel	
Busy Out – Entry		Guest/Administration Service	
Busy Out – Cancel		Individual Speed Calling: Entry	
Call Back – Entry		Individual Speed Calling: Access	
Call Back – Cancel		Individual Trunk Access	
C.F. – All Calls – Entry		Line Load Control: Entry	
C.F. – All Calls – Cancel		Line Load Control: Cancel	
C.F. – Busy Line – Entry		Message Reminder	
C.F. – Busy Line – Cancel		Priority Call 1	
C.F. – Don't Answer – Entry		Priority Call 2	
C.F. – Don't Answer – Cancel		Priority Call 3	
Call Hold		Priority Paging	
Call Park Access Code		Service Call Routing	
Call Park Local Retrieval Code		Speed Calling Access	
Call Park Remote Retrieve Code		Same Number Access	
Call Pickup		TAS Answer	
Call Pickup – Direct		Trunk Queuing: Entry	
Call Waiting		Trunk Queuing: Cancel	
Data Privacy – Entry		Voice Call	
Data Privacy – Cancel			
Dial Access to Attendant			

- (b) Trunk access numbers are required on an individual route basis.
- (c) When Least Cost Routing (LCR) is used, LCR access is regarded as access to an individual route (an access number must be assigned).

- (d) If answer service is provided for speaker and/or radio paging, a paging answer code must be assigned. Examples of dial access numbering plans are shown in and .

Dial Access Numbering Plan for Administration Station

Access Number	Function	Remarks
0	Same Number Access (Dial Access to Attendant)	Operation Call
10	Call Hold	
11	Call Back (Entry)	Cancel Number is “19”
12	Executive Right-of-Way	
13	Speed Calling System	
14	Vacant Numbers	
15		
16		
17		
18		
19	Call Back (Cancel)	Entry Number is “11”
2000 – 2018	Four-digit administration station number	
3000 – 3011	Four-digit guest station number	
4	Vacant Numbers	
5		
6		
7		
80	Vacant Numbers	
81	Access to Area A	Route Number: 2
82	Access to Area B	Route Number: 3
83	Access to Area C	Route Number: 4
84	Access to Area D	Route Number: 5
85	Access to Area E	Route Number: 6
86	Vacant Numbers	
87		
88	Access to paging equipment	Route Number: 10
89	Vacant Numbers	
9	Access to Central Office	Route Number: 1

Dial Access Numbering Plan for Guest Station

Access Number	Function	Remarks
0	Same Number Access (Special Administration station call)	Special Administration station number “2000”
10	Vacant Numbers	
11		
12		
13		
14		
14	Automatic Wake-Up (Entry)	Cancel Number is “15”
15	Automatic Wake-Up (Cancel)	Entry Number is “14”
16	Vacant Numbers	
17		
18		
19		
2	Vacant Level	
3000 – 3011	Four-digit guest station number	
4	Vacant Level	
5		
6		
7	Floor Service	First Floor: Station 2001 Call Second Floor: Station 2002 Call
8	Vacant Level	
9	Access to Central Office	Route Number: 1

7. Commands Related to the Numbering Plan

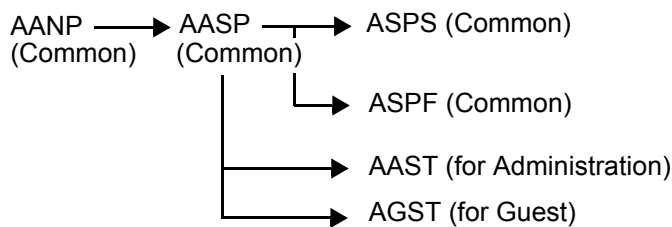
This section explains the commands related to the numbering plan and also explains command assignment procedure. For details of a specific command, refer to the Data Programming Manual - Business.

1. ASYD (Assignment of System Data)

The system data pertaining whether the numbering plan development table is to be provided in common or separately for administration and guest stations. The commands to be used vary with the value assigned to the data as follows. **Note 1**

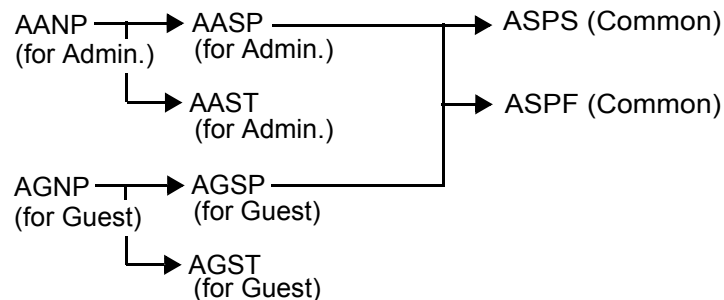
- (a) When the table is to be provided in common for administration and guest stations.

ASYD SYS 1, Index 160, Bit 6 = 1



- (b) When the table is to be provided separately for administration and guest stations.

ASYD SYS 1, Index 160, Bit 6 = 0



Note 1: Administration stations can call guest stations, but calls from guest stations to administration stations are restricted. A call from a guest station to a predetermined administration station is allowed via same number access (Split Access) service.

- SYS1 Index 161, Bit 6, Bit 7
 Bit 6: “#” code is used in Timing Start Service.
 (0/1 = Ineffective/Effective)
 Bit 7: “*” code is used in Timing Start Service.
 (0/1 = Ineffective/Effective)

When Timing Start is used, the system can have the following numbering:

Examples:

<u>Floor</u>	<u>Room Number</u>	<u>Station Number</u>
1st	11	8111
11th	11	81111

In this case, if a five-digit station number is dialed, the call is immediately connected to the called station. However, if a four-digit station number is dialed, the call is connected to the called station with a certain delay. This is because the necessary digit of the access level assigned by the AANP/AGNP command is set to the largest digit of station number. Thus, when a station number of smaller digit is dialed, the call is not connected to the called station until the register inter-digit timer in the system is timed out.

In order that a call by dialing a station number of smaller digit can be immediately connected to the called station, assignment of these system data is necessary. If use of “#” code is made effective, a call to a station of smaller digit is connected immediately to the called station with “#” code dialed after the station number.

2. AANP/AGNP (Assignment of Administration Numbering Plan/Assignment of Guest Numbering Plan)
These commands are used to assign the minimum required number of digits to be used for determining the required service according to the first digit received. **Note 2**

Note 2: When the Timing start service is used, the minimum required number of digits is assigned to the station number of larger digit.

For example, when station number 200 and station number 2000 exist, Number of Necessary Digits (NND) =4 is to be assigned with respect to the 1st Digit (1stDC) = 2.

A dummy number (SID36, STATE63) is necessary when the system has stations “200” and “2100” assigned. In this case, assign a dummy number for “210” with NND = 2.

3. AASP/AGSP (Assignment of Administration Special Access Code/Assignment of Guest Special Access Code)
These commands are used to specify the kind of service to be executed or the route to be accessed when a special access code or trunk access code is dialed. This data pertains to administration stations.
4. ASPS (Assignment of Special Access Code for Same Number Access)
When split access (same number access) is required, these commands are used to specify the kind of service to be executed or the route to be accessed when a special access code or trunk access code is dialed.
5. ASPF (Assignment of Special Access Code for Floor Service)
This command is to assign the calls from guest stations on each floor, and can be terminated to a service, on the same floor as the guest Station.
6. AAST/AGST (Assignment of Administration Station Data/Assignment of Guest Station Data)
These commands are used to assign station data. When the system provides the floor service, these commands are used to assign floor service data with respect to guest room service station.

8. Examples of Numbering Plan Data Assignments

Note: This section explains examples when the numbering plan development tables are provided separately for administration and guest.

Examples of numbering plan data assignments are shown below. The procedures for data assignment are explained in the subsequent pages.

Example:

1. Dial Access Number
 - For Administration

<u>Access Code</u>	<u>Access To</u>
"0"	Operation call
"100" ~ "1000"	Guest station on first floor
"200" ~ "2000"	Guest station on second floor
"3000" ~ "3500"	Administration station number
"4000"	Special Administration station
"5000"	Room service station for first floor
"5001"	Room service station for second floor
"9"	Central Office Trunk
 - For Guest

<u>Access Code</u>	<u>Access To</u>
"0"	Special Administration station call
"100" ~ "1000"	Guest station on first floor
"200" ~ "2000"	Guest station on second floor
"8"	Floor service
"9"	Central Office Trunk
2. Others
 - Numbering plan development table is provided separately for administration and guest.
 - Use of "#" code in the timing start service is made effective.

See the following for the Entry Procedure:

START

ASYD

SYS1

Index 160, Bit 6 = 0

Numbering plan development table is provided separately for administration and guest.

Index 161, Bit 6 = 1

Use of “#” code in the Timing Start Service is made effective.

Index 165, Bit 7 = 1

Floor Service is provided.

AANP

With respect to the 1st digit code (1ST DC), assign Number of Necessary Digits (NND) as follows.

<u>1ST DC</u>	<u>NND</u>
0	1
1	4
2	4
3	4
4	4
5	4
9	1

AGNP

With respect to the 1st digit code (1ST DC), assign Number of Necessary Digits (NND) as follows.

<u>1ST DC</u>	<u>NND</u>
0	1
1	4
2	4
8	1
9	1

AASP

With respect to the Access Code (ACC) assign service features as follows.

<u>ACC</u>	<u>SRV</u>	<u>SID</u>	<u>No.</u>	<u>KIND</u>
0	SSC	57	0	0

<u>ACC</u>	<u>SRV</u>	<u>RT</u>
9	OGC	1

A

A

AGSP

With respect to the Access Code (ACC) assign Hotel Service Features as follows.

<u>ACC</u>	<u>SRV</u>	<u>SID</u>	<u>No.</u>	<u>KIND</u>
0	SSC	57	0	0
8	SSC	56	0	–

<u>ACC</u>	<u>SRV</u>	<u>SID</u>
9	OGC	1

ASPS

With respect to the data assigned by AASP, assign Hotel Service Features as follows.

<u>No.</u>	<u>F</u>	<u>SRV</u>	<u>SID</u>	<u>STN</u>
0	0	SSC	2	–
0	1	STN	–	4000

AAST

With respect to the data assigned by AASP, assign Hotel Service Features as follows.

<u>STN</u>	<u>ROOM CLASS</u>
“3000” ~ “3500”	0
“4000”	0
“5000”	1 – 7
“5001”	1 – 7

AGST

Assign the station data of guest stations.
(Station “100” – “1000”, Station “200” – “2000”)

ASPF

With respect to the data assigned by AASP, assign Hotel Service Features as follows.

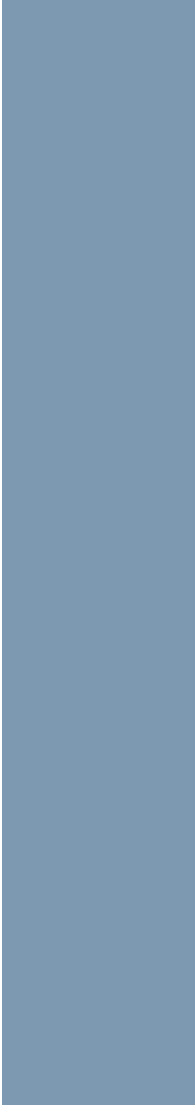
<u>No.</u>	<u>ANX</u>	<u>G</u>	<u>FLR</u>	<u>DC</u>
0	0	0	1	5000
0	0	0	2	5001

END



CHAPTER 5

DESCRIPTION OF SERVICE FEATURES



Hotel Service Features

This section explains each Hotel Service Feature by the following items.

- General Description
- Operating Procedure
- Service Conditions
- Assignment Procedure

General Description

This item explains a general description of the Hotel Service Feature.

Operating Procedure

This item explains the procedure to be followed for using a specific Hotel Service Feature. When testing a Hotel Service Feature, complete installation test steps by referring to this item.

Service Conditions

These items explain the functional outline of a specific Hotel Service Feature and cautions (hardware requirements, etc.) related to the performance of a specific Hotel Service Feature. It is recommended that these items be referred to for more extensive knowledge of the Hotel Service Feature.

References to “Console” or “Attendant Console” imply a Hotel Console. Most features described in this manual require a Hotel Console. However, some features (including A-57, A-73, I-23, and P-34) can also be performed using a Business Console.

Assignment Procedure

This item explains the procedure for assigning various kinds of data required for performance of a specific Hotel Service Feature. When recording necessary data into Data Sheets, make data entry by referring to this item.

Minimum firmware may be required for feature activation. Contact NEC Engineering for additional information.

A-10/A-27

Automatic Wake-Up

General Description

This service feature allows Telephony Server to be programmed to automatically call guest rooms at specified times. Upon answering, the guest is connected to a recorded announcement or music source. A printout of unanswered, blocked, or busy Wake-Up attempts for guest rooms is provided at the PMS. This feature can be activated from the guest room stations including guest room Desktop terminals, administration stations, console, PMS terminal, Special Administration station.

Operating Procedure

To set Automatic Wake-Up from a guest room

With separate set and cancel codes (24-hour time only)

1. Lift the handset. Receive Dial Tone.
2. Dial Wake-Up code. Hear Special Dial Tone.
3. Dial desired time of Automatic Wake-Up. Hear Service Set Tone.
4. Hang up.

When set and cancel codes are the same

1. Lift the handset. Receive Dial Tone.
2. Dial Wake-Up code. Hear Special Dial Tone.
3. Dial desired time of Automatic Wake-Up. Hear Service Set Tone.
4. Hang up.

To cancel Automatic Wake-Up from guest room

With separate set and cancel codes (24-hour time only)

1. Lift the handset. Receive Dial Tone.
2. Dial cancel Automatic Wake-Up code. Hear Service Dial Tone.
3. Hang up.

When set and cancel codes are the same

1. Lift the handset. Receive Dial Tone.
2. Dial Wake-Up code. Hear Special Dial Tone.
3. Dial the digit "3". Hear Service Set Tone.
4. Hang up.

To set Automatic Wake-Up from a regular administration station

Only separate set and cancel codes will operate from a regular administration station

1. Lift the handset. Receive Dial Tone.
2. Dial set Wake-Up code. Hear Special Dial Tone.
3. Dial desired time of Automatic Wake-Up. Hear Service Set Tone.
4. Hang up.

To cancel Automatic Wake-Up from a regular administration station

Only separate set and cancel codes will operate from a regular administration station

1. Lift the handset. Receive Dial Tone.
2. Dial cancel Wake-Up code. Hear Service Set Tone.
3. Hang up.

To set Automatic Wake-Up from the Special Administration station

Only separate set and cancel codes will operate from the Special Administration station

1. Lift the handset. Receive Dial Tone.
2. Dial set Wake-Up code. Hear Special Dial Tone.
3. Dial desired time of Automatic Wake-Up, then dial the guest room number. Hear Service Set Tone.
4. Hang up.

To cancel Automatic Wake-Up from the Special Administration station

1. Lift the handset. Receive Dial Tone.
2. Dial cancel Wake-Up code and guest room number. Hear Service Set Tone.
3. Hang up.

To set Automatic Wake-Up from the front desk terminal or Console using the WUS/WUR (Wake-Up Set/ Wake-Up Reset) key

When guest calls to request a Wake-Up Call (see Direct Service Set/Reset [D-25])

1. Press the WUS key while still connected with the guest room.
2. Dial the Wake-Up time requested (use of 12-hour or 24-hour time is set in system data).

If the Wake-Up time is entered after the guest line is released

1. Press WUS key. The associated lamp lights.
2. Dial Wake-Up time. The console displays the entered time.
3. Dial the guest station number. The console displays the station number.
4. Press the ENTER key. The lamp flashes to confirm that Automatic Wake-Up has been set.
5. Press the EXIT key. The lamp and station display are extinguished.

To cancel Automatic Wake-Up from the front desk terminal or console using the WUS/WUR (Wake-Up Set/ Wake-Up Reset) key

When guest calls to cancel a Wake-Up Call (see Direct Service Set/Reset [D-25])

Press the WUR key while still connected with the guest room.

If the Wake-Up cancel is input after the guest line is released

1. Press WUR key. The associated lamp lights.
2. Dial guest station number. The console displays the station number and the Automatic Wake-Up time set.
3. Press the ENTER key. The lamp flashes to confirm the cancellation of the Wake-Up call.
4. Press the EXIT key. The lamp and station display are extinguished.

To call the guest station that does not answer the Wake-Up call, from the console

1. The guest does not answer the Wake-Up call. The call is routed to the attendant and terminates on the WU key.

- Press the WU key or ANSWER key. The following is displayed.

PETER HARRISON		
2000	NANS	JPN
Station	WK Time	Lang

- Press the START key. The guest station is rung.
- If the guest does not answer, release the call by pressing the CANCL key. The guest number is given to the front desk clerk and a visit is made to the room.

<The following procedures are applied for Desktop terminal only.>

To set Automatic Wake-Up from a guest room Desktop terminal (24-hour time only)

With separate set and cancel codes

- Lift the handset or press the SPEAKER key. Receive Dial Tone.
- Dial Wake-Up code. Hear Special Dial Tone. The LCD displays the following.

WAKE UP	SET
(Time and Date)	>>>

- Dial desired time of Automatic Wake-Up. Hear Service Set Tone. The LCD displays the following.

XX:XX SET	>>>
(Time and Date)	

- Hang up. If the Automatic Wake-Up time steady display is available by system data, the following will display.

XX:XX	>>>
(Time and Date)	

When set and cancel codes are the same

- Lift the handset or press the SPEAKER key. Receive Dial Tone.
- Dial Wake-Up code. Hear Special Dial Tone.

WAKE UP	SET
(Time and Date)	>>>

- Dial desired time of Automatic Wake-Up. Hear Service Set Tone. The LCD displays the following.

XX:XX SET	>>>
(Time and Date)	

4. Hang up. If the Automatic Wake-Up time steady display is available by system data, the following will display.

XX:XX (Time and Date) >>>

To cancel Automatic Wake-Up from a guest room Desktop terminal (24-hour time only)

With separate set and cancel codes

1. Lift the handset or press the SPEAKER key. Receive Dial Tone.
2. Dial cancel automatic Wake-Up code. Hear Service Set Tone. The LCD displays the following.

WAKE UP (Time and Date) >>>	CNCL

3. Hang up.

When set and cancel codes are the same

1. Lift the handset or press the SPEAKER key. Receive Dial Tone.
2. Dial Wake-Up code. Hear Special Dial Tone.
3. Dial the digit “3”. Hear Service Set Tone. The LCD displays the following.

WAKE UP (Time and Date) >>>	CNCL

4. Hang up.

Service Conditions

1. From the front desk terminal or console, set Automatic Wake-Up using either 24-hour time, or 12-hour time. When using 12-hour time, time is entered by dialing a special code (includes either a # or * before entering the time to indicate p.m.). For example, when dialing the desired time, dial “#1030” for 10:30 p.m. The choice of # or * is assigned in system data.
2. The maximum number of stations that can set the same Wake-Up time can be assigned as 64, 128, 256, or 512 stations per LP (Local Processor, or Local Partition for Desktop terminals) depending on system data programming. If the number of stations reaches the assigned maximum stations, the next attempt to set an Automatic Wake-Up call at the same Wake-Up time is automatically set 5 minutes earlier than the specified time.

Note: The ability to process this expanded number of calls is based on traffic and station distribution in the system.

Note: Variable timing can be assigned in system data. The timing must be a multiple of five minutes (such as 5, 10, or 15 minutes) earlier.

3. All Automatic Wake-Up times are to be set at five-minute intervals in either 12- or 24-hour time. See the following example.

7:50 a.m. = 0750
 7:55 a.m. = 0755
 8:00 a.m. = 0800
 3:00 p.m. = 1500
 3:55 p.m. = 1555

Note: Wake-Up time to be set from a station/console will be rounded to the nearest multiple of five.

TIME TO BE SET BY KEYPAD OPERATION	TIME TO BE SET BY SYSTEM
xx: x1 - xx: x4	xx: x0
xx: x6 - xx: x9	xx: x5

4. If Wake-Up announcement is used, this feature requires one of the following hardware alternatives.
 - a.) Central Office Trunk (COT) or 2W E&M Trunk and an announcement machine.
 - b.) Digital Announcement Trunk (DAT).
5. This feature provides three additional Automatic Wake-Up attempts at fixed three-minute intervals. If the called party is not reached (i.e., no answer, busy, blocked, or locked-out) after a total of four attempts, the results will be automatically sent to the PMS. The number of retries for a no-answer condition is determined by system data, up to a maximum of three retries. The number of retries for a busy condition is flexible, up to a maximum of three retries.
6. Ringing duration for Automatic Wake-Up can be 15 seconds, 30 seconds, 45 seconds, or 60 seconds. The choice of ring duration is made through programming in system data. If both bits (ASYD, System Data 1, Index 179, Bit 0 and 1) are assigned as Data "0," ringing duration is determined by ASYD, System Data 1, Index 139.
7. Automatic Wake-Up overrides Do Not Disturb [D-11].
8. Automatic Wake-Up messages can be arranged for headstart operation. Refer to the Wake-up Announcement - Headstart [W-2] feature description for details.
9. If Wake-Up Announcement - Headstart [W-2] is not required, announcements can be arranged either as continuous recordings (last party disconnects) or to automatically disconnect after 30 seconds. An engineering traffic study is required to determine the number of interface trunks needed to accommodate each recording channel.
10. Automatic Wake-Up for a guest station can be set from the console, Special Administration stations, front desk terminal, or the actual guest phone. Automatic Wake-Up for an administration station can only be set from the actual administration phone.

Note: Any administration station that is assigned as a special administration terminal may not set Wake-Up for itself or for any station other than a guest station.

11. If PMS Language Selection is used, Automatic Wake-Up announcements can be provided according to a guest's language.
12. If all announcement trunks are busy, music will be provided for Automatic Wake-Up. Music is provided by the system Music-on-Hold [M-1] source.
13. For guest stations, a confirmation announcement can be provided instead of Service Set Tone for Automatic Wake-Up Set (EQP=16) and Cancel (EQP=18) operations.
14. Automatic Wake-Up entry and result information is reported, as required, to the PMS and hotel printer for continuous update.

15. A maximum of six digits can be used for the identification code. Use of an ID code is not mandatory, and is left to the customer's discretion.
16. It is possible to use the same access code for both Automatic Wake-Up set and cancel. For example, *1 may be assigned the Automatic Wake-Up set and cancel access code. Telephony Server will recognize *1 and wait for the next digit. If *, #, 0, 1, or 2 is dialed, then a time is being set. If 3 is dialed, this is an Automatic Wake-Up cancel. See the following example.

*1	*0300	3:00 p.m. Wake-Up set	(12-hour clock)
*1	#0300	3:00 p.m. Wake-Up set	(12-hour clock)
*1	0800	8:00 a.m. Wake-Up set	(12/24-hour clock)
*1	1000	10:00 a.m. Wake-Up set	(12/24-hour clock)
*1	2100	9:00 p.m. Wake-Up set	(24-hour clock)
*1	3	Wake-Up cancel	
17. As a system option, once Automatic Wake-Up has been set from a guest station, only that guest station is allowed to cancel or change the Wake-Up service. This option is determined by system data (wake-up guest station priority service).
18. These same conditions are applicable to Wake-Up Announcement-Headstart [W-2].
19. Setting and canceling Wake-Up services may be restricted, depending on service class, from administration stations, the PMS terminal, a front desk terminal, or predetermined Special Administration stations.
20. When Automatic Wake-Up for a guest station is set from the Console, the PMS Terminal, a front desk terminal, or predetermined Special Administration stations, that guest station is allowed to set/cancel the WAKE-UP service.
21. When Automatic Wake-Up has been executed, setting/canceling of another Automatic Wake-Up service is allowed from the console, the PMS Terminal, a front desk terminal, or predetermined Special Administration stations.
22. Automatic Wake-Up [A-10/A-27] and Wake-Up Announcement-Headstart [W-2] procedures remain the same.
23. The maximum number of stations per LP that can be set for a single Automatic Wake-Up time is determined by the system data.
24. Telephony Server can be programmed so that once a day, the system will generate and print a Wake-Up report listing all Wake-Ups that are currently set. The time of the output is decided by the customer and assigned in the AHSY Command.
25. If no end time is specified in AHSY, pending Wake-Up calls after 9:55 a.m. will not be sent.
26. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

<The following conditions are applied for Desktop terminals only.>

1. From the guest room Desktop terminal, set Automatic Wake-Up using 24-hour time only.
2. When Automatic Wake-Up is executed, the LCD displays the following.

WAKE UP (Time and Date) >>>

3. When the Desktop terminal answers the Wake-Up call, "WAKE UP" display will remain.

4. When Automatic Wake-Up is set from the administration station, front desk terminal, or console, the LED for Automatic Wake-Up on the guest room Desktop terminal lights. If the Automatic Wake-Up time steady display is available, the following will display

XX:XX	(Time and Date)	>>>

5. For distinctive ringing of Automatic Wake-Up, central office line incoming connection is used.
6. When several services are set at the same time, services are displayed according to the following order of priority.

Automatic Wake-Up	[A-10/A-27]
2nd Wake-Up Call - Same Guest station	[S-128]
Message Waiting	[M-6]
Do Not Disturb	[D-11]
Room Cutoff	[R-9]

7. Automatic Wake-Up is not activated for the guest station which has been set as Do Not Disturb by using the DD key of a Desktop terminal. See the following example.

- a.) When setting Do Not Disturb only.

DD	(Time and Date)	>>>

Lamp A

Lamp B
Lit

Lamp C

Lamp D

- b.) When setting Do Not Disturb and Automatic Wake-Up:
Wake-Up Time

XX:XX DD	(Time and Date)	>>>

Lamp A

Lamp B
Lit

Lamp C

Lamp D
Lit

- c.) When setting Do Not Disturb, Automatic Wake-Up and Message Waiting.
Wake-Up Time

XX:XX DD	(Time and Date)	MW
		>>>

Lamp A
Lit

Lamp B
Lit

Lamp C

Lamp D
Lit

- d.) When setting Do Not Disturb, Automatic Wake-Up, Message Waiting and 2nd Wake-Up Call - Same guest station (Message Waiting Lamp lights).

Wake-Up Time Second Wake-Up Time

XX:XX YY:YY	(Time and Date)	MW
		>>>

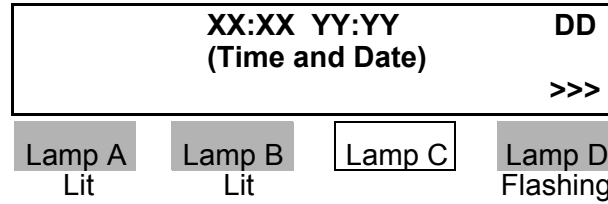
Lamp A
Lit

Lamp B
Lit

Lamp C

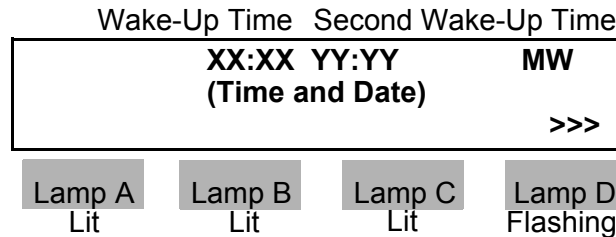
Lamp D
Flashing

In case of the Message Waiting lower display (Message Waiting Lamp) lights.

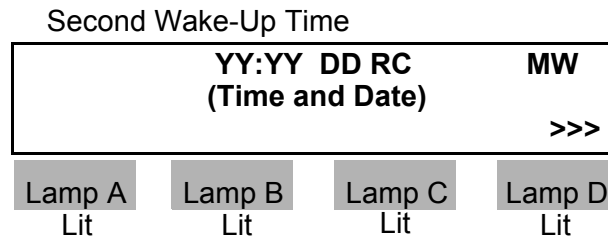


Note: On the upper LCD, Automatic Wake-Up, 2nd Wake-Up Call - Same Guest station, Do Not Disturb, and Room Cutoff are displayed in order of priority.

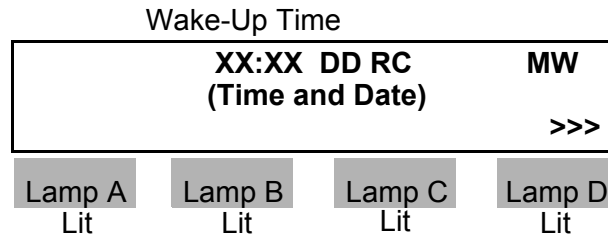
- e.) When setting Do Not Disturb, Automatic Wake-Up, Message Waiting, 2nd Wake-Up Call - Same Guest station and Room Cutoff (the Message Waiting Lamp lights).



- f.) When going on-hook at the status of “e” after Automatic Wake-Up is activated (the Message Waiting Lamp lights).



- g.) When canceling 2nd Wake-Up Call - Same Guest station at the status “e” (the Message Waiting Lamp lights).



Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on console 0/1 = Out/In service
		Bit 1	Message Waiting Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	DSS (Direct Station Section) Key on console 0/1 = Ineffective/Effective
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective
2	System Data 1 ASYD Index 162	Bit 0	Destination of connection when a connection between guest stations is restricted. Bit 1 Bit 0

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION
3	System Data 1 ASYD Index 163	Bit 0	Overtime Call timer.
		Bit 1	Bit 1 Bit 0 0 0 = 30 min. 0 1 = 60 min. Bit 1 Bit 0 1 0 = 90 min. 1 1 = 120 min.
		Bit 2	Overtime Call 0/1 = Out/In service
		Bit 3	Overtime Call indication 0/1 = On console/hotel printer
		Bit 4	Step Call from guest station is allowed 0/1 = Out/In service
		Bit 5	Tone type for Maid Dialing
		Bit 6	Bit 6 Bit 5 0 0 = SST 0 1 = Announcement Bit 6 Bit 5 1 0 = Music-on-Hold 1 1 = Music-on-Hold Note: Guest station is available. Administration station receives only Service Set Tone.
		Bit 7	Start time of Automatic Wake-Up call 0/1: On time/five minutes before
4	System Data 1 ASYD Index 164	Bit 0	Number of digits of all hotel ID code
		Bit 1	Bit 2 Bit 1 Bit 0 0 0 0 = Not used 0 0 1 = 1 digit 0 1 0 = 2 digits 0 1 1 = 3 digits Bit 2 Bit 1 Bit 0 1 0 0 = 4 digits 1 0 1 = 5 digits 1 1 0 = 6 digits 1 1 1 = Not used
		Bit 2	
		Bit 3	ID code for setting/cancelling Maid Status 0/1 = Not required/Required
		Bit 4	Number of digits of group code (PMS option)
		Bit 5	Bit 6 Bit 5 Bit 4 0 0 0 = Not used 0 0 1 = 1 digit 0 1 0 = 2 digits 0 1 1 = 3 digits Bit 6 Bit 5 Bit 4 1 0 0 = 4 digits 1 0 1 = 5 digits 1 1 0 = 6 digits 1 1 1 = Not used
		Bit 6	
		Bit 7	ID code to be entered when setting or canceling Automatic Wake-Up call from the Special Administration station 0/1 = Not required/Required

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION
5	System Data 1 ASYD Index 165	Bit 0	Port number of connecting the hotel printer command service
		Bit 1	Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
		Bit 2	0 0 0 = Port 0 0 1 1 = Port 3
			0 0 1 = Port 1 1 0 0 = Port 4
			0 1 0 = Port 2 1 0 1 = Port 5
			1 1 0 = Port 6
			1 1 1 = Port 7
		Bit 3	Hotel printer command service 0/1 = Not required/Required
6	System Data 1 ASYD Index 169	Bit 3	Automatic Wake-Up - Hotel Attendant Assistant 0/1 = Out/In service
		Bit 4	Wake-Up guest station priority service 0/1 = Not provided/Provided
		Bit 5	Wake-Up information (time, station number, etc.) printout 0/1 = Out/In service
		Bit 6	Floor Service 0/1 = Out/In service
		Bit 7	Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 Hexadecimal to F Hexadecimal (0 - 15)
		Bit 8	Announcement trunk release timer to reset the announcement. Available only with single connection. Two seconds × MTC (If MTC = 0 Hexadecimal: 30 seconds)
		Bit 9	Assign data specifying how many minutes earlier the Wake-Up time for the overflowed stations (more than 500/LP). Five minutes × N Hexadecimal.
		Bit 10	
7	System Data 1 ASYD Index 171 (Note 1)	Bit 0	This data designates how many times retry is allowed when Room Data image transfer fails
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	Fixed "0"

Note 1: No more than 500 stations per LP can be set for a single Automatic Wake-Up period. If the 500 station maximum is exceeded, the system will automatically set the Automatic Wake-Up time five minutes earlier for the stations subsequent to the 500th.

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION	
8	System Data ASYD Index 176	Bit 0	Not Used	
		Bit 1		
		Bit 2		
		Bit 3		
		Bit 4	If Automatic Wake-Up Set/Cancel is failed:	
		Bit 5	Bit 5 Bit 4	Bit 5 Bit 4
			0 0 = ROT	1 0 = Announcement
			0 1 = ATT	1 1 = -
	Bit 6	0/1 = PMS Interface Text output (all event printout) Not provided/Provided		
	Bit 7	Not Used		
9	System Data 1 ASYD Index 179	Bit 0	Ringing duration for Automatic Wake-Up	
		Bit 1	Bit 1 Bit 0	
			0 0 = 30 seconds	
			1 0 = 45 seconds	
			0 1 = 15 seconds	
		1 1 = 60 seconds		
		Note 2: If both bits are assigned as data “0”, ringing duration is determined by ASYD, System data 1, Index 139.		
		Note: This data is available when Busy Lamp Field - Flexible (BLF display) service is enabled with ASYD, System data 2, Index 7, Bit 0 = 1.		
		Bit 2	Automatic Message Waiting Lamp Off 0/1 = Out/In service	
Bit 3	Not Used			
Bit 4	ATT Monitor Function 0/1 = Out/In service			
Bit 5	Not Used			
Bit 6				
Bit 7				
10	AHSY Index 77 (Note 3)	Bit 0	LCD indication of Wake-Up time on the Desktop terminal 0/1 = -/Remains lit	
		Bit 1	LCD indication of Do Not Disturb (DD) on the Desktop terminal 0/1 = -/Remains lit	
		Bit 2	LCD indication of Room Cutoff (RC) on the Desktop terminal 0/1 = -/Remains lit	
		Bit 3	LCD indication of 2nd Wake-Up time on the Desktop terminal 0/1 = -/Remains lit	
		Bit 4	Not used	
		Bit 5		
		Bit 6		
		Bit 7		

Note 3: This step is applied for Desktop terminals only.

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION
11	AHSY Index 100 (Note 4)	Bit 0	Number of times of Wake-Up answer retry
		Bit 1 Bit 0	0 0 = No answer retry 0 time 0 1 = No answer retry 1 time 1 0 = No answer retry 2 times 1 1 = No answer retry 3 times
		Bit 2	Number of characters of language information display 0/1 = 4 characters/2 characters
		Bit 3	Restriction for hooking when a guest station has originated an outgoing central office line call. 0/1 = Required/Not required
		Bit 4	Type of station for Overtime Call <Overtime Call Indication of console (ASYD, SYS1, Index 163, Bit 3 = 0)> Bit 5 Bit 4
		Bit 5	0 0 = - 0 1 = Guest station only 1 0 = Administration station only 1 1 = Both (administration and guest station) <Overtime Call Indication on hotel printer (ASYD, SYS1, Index 163, Bit 3 = 1)> Bit 5 Bit 4 0 0 = Both (administration and guest station) 0 1 = Guest station only 1 0 = Administration station only 1 1 = Both (administration and guest station)
		Bit 6	Overtime Call when a station user places a central office trunk call 0 = Administration and guest go to console 1 = Guest only goes to console
		Bit 7	Key that means the P.M. in a case where Wake-Up time is set by the 12-hour system (for Automatic Wake-Up service). 0/1 = *Key/#Key

Note 4: This entry will be the number of times the Wake-Up call is attempted before AHSY, Index 142 takes effect.

12	AHSY Index 105	Bit 0	Not used
		Bit 1	
		Bit 2	Maid Dial service from console 0/1 = Not required/Required
		Bit 3	Not used
		Bit 4	Wake-Up time indication on hotel console 0/1 = 24-hour/12-hour system
		Bit 5	Not used
		Bit 6	
		Bit 7	Guest Name Display on console 0/1 = Interface Type Model 60, 90, 120/Model 90, 120

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION
13	AHSY Index 142	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Wake-Up call “Busy” condition/transfer to console 0/1 = Out/In service
		Bit 5	Wake-Up call “Do Not Answer” condition/transfer to console 0/1 = Out/In service
		Bit 6	Wake-Up call “Block” condition/transfer to console 0/1 = Out/In service
		Bit 7	Wake-Up call for VIP Busy/Block condition/transfer to console 0/1 = Out/In service
14	AHSY Index 163	Bit 0	2nd Wake-Up Call service 0/1 = Out/In service
		Bit 1	2nd Wake-Up Call time indication on console 0/1 = Out/In service
		Bit 2	2nd Wake-Up Call Cancel while console is connected to the target station 0/1 = Out/In service
		Bit 3	Not used
		Bit 4	The number of calls that Automatic Wake-Up at the same time (per LP) Bit 5 Bit 4 Bit 5 Bit 4
		Bit 5	
		Bit 6	The number of Retries when a Wake-Up Call encounters busy status. Bit 7 Bit 6 Bit 7 Bit 6
		Bit 7	
15	AHSY Index 400		Daily Printout Hour “Hour” data is assigned using a decimal number (military time). Example: 2:00 a.m. - This data is entered as “02”. Example: 2:30 p.m. - This data is entered as “14”.
16	AHSY Index 401		Daily Printout Minute “Minute” data is assigned using a decimal number (military time). Example: 2:00 a.m. - This data is entered as “00”. Example: 2:30 p.m. - This data is entered as “30”.

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION
17	AHSY Index 402	Bit 0	Not used
		Bit 1	Wake-Up Result (answer) Printout 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
18	AHSY Index 406		Specific end time, when the system will stop scanning rooms for pending Wake-Up information. Hour data is assigned using a decimal number (military time). Example: 8:00 a.m. - Data entered is 08 Example: 8:30 p.m. - Data entered is 30
19	AHSY Index 407		Specific end time, when the system will stop scanning rooms for pending Wake-Up information. Minute data is assigned using a decimal number (military time). Example: 8:00 a.m. - Data entered is 00 Example: 8:30 p.m. - Data entered is 30
20	AANP or AGNP		Assign the Number of Necessary Digits for the first numeral of the Automatic Wake-Up service access code.
21	AASP or AGSP		Assign the Automatic Wake-Up Service access code. When setting and cancelling are made by each individual access code. - For Setting: CI = N, SRV = SSC, SID = 48 - For Cancelling: CI = N, SRV = SSC, SID = 49 When setting and cancelling are made by the same one access code (for a 12-hour system): CI = N, SRV = SSC, SID = 36, STATE = 33 Assign the 2nd Wake-Up service access if required. - For Setting: CI = N, SRV = SSC, SID = 36, STATE = 48 - For Canceling: CI = N, SRV = SSC, SID = 36, STATE = 50 Note: 2nd Wake-Up service can be set and/or canceled from a console only.
22	AKYD (Note 5)		If necessary, assign the following key data on the Desktop terminal Line/Feature key Wake-Up Set (WUS) [87]

Note 5: This step is applied for Desktop terminals only.

23	ASFC		Allow SFI = 41 for the SFC of the stations that receive Automatic Wake-Up service (for SFI = 41, RES = 1).

Note: Steps after ASFC are necessary only when the destination of the tone of Automatic Wake-Up call is designated as Announcement Machine (See ASYD, Index 162).

A-10/A-27 Automatic Wake-Up

STEP	CMND	BIT	EXPLANATION
24	ARTD		Assign route data of the trunk that interfaces with the announcement unit. (OSGS = 2, TCL = 4) Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
25	ATRK		Assign the trunk interfacing with the announcement unit.
26	MBTK		Release the make-busy of the trunk assigned in ATRK.
27	ARSC		Release the call restrictions between the RSC of the station accessing the announcement unit and the route of the trunk assigned in ATRK. (RRI = 2.3)
28	AAED /AAEDL Note 6 Note 7		Assign the data to the announcement unit number and the route data, etc. assigned in ATRK. Assign the information with respect to the following: EQP = 16:Automatic Wake-Up set EQP = 18:Automatic Wake-Up cancel EQP = 22:Automatic Wake-Up answer Note 6: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command. Note 7: When hearing the announcement with VoWLAN terminal, assign R = 1: No RBT transmission on AAED command.

Note: AAKP can be assigned to designate a visual assignment for Wake-Up calls to terminate on the Attendant Console.

A-25/A-47 Attendant Console with Hotel Functions

General Description

Telephony Server console provides regular business call handling and processing capabilities, as well as hospitality features. The console provides for the following special hospitality services:

1. Individual keys to set and reset:

Automatic Wake-Up	[A-10/A-27]
Message Waiting	[M-6]
Check-In/Checkout	[C-23]
Do Not Disturb	[D-11]
Secretarial Service - Guest Station	[S-74]
Room Status	[R-10]
Manual Switching of Central Office Incoming Call Destination	[M-51]
Room Cutoff	[R-9]
Audit Report	[A-26] (requires a hotel printer)
2. Special keys for Incoming Call Identification
 - ADM - Incoming administrative calls
 - DND - Incoming calls to stations in Do Not Disturb [D-11] mode
 - EMG - Off Hook Alarm [O-6] - Emergency calls (option)
 - GST - Incoming guest station calls
 - GST2 - Incoming foreign guest station calls (option)
 - HP - House Phone/Hot Line [H-8]
 - OT - Overtime Calls (option)
 - WU - Wake-Up calls (option) [Morning Call (MC)]
3. Direct key access to frequently called administration or service stations (i.e., room service, restaurant, maid, or central office number). These numbers are assigned via the PCPro. Ten keys are provided for this feature.

4. The console provides the following displays

Calendar (date and time)

Call Waiting (number of calls)

Class of Service

Name Display - System (for administration stations)

Room Status:

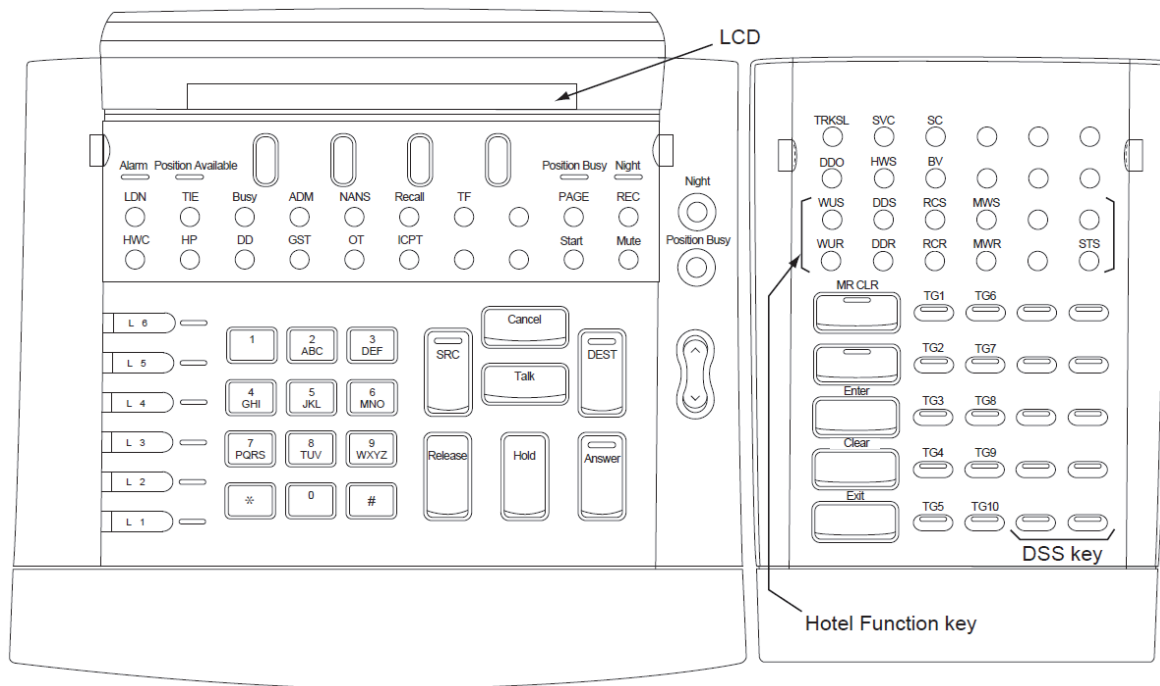
- Automatic Wake-Up [A-10/A-27]
- Do Not Disturb [D-11]
- Guest Name Display through PMS[G-5]
- Language (PMS option)
- Message Waiting [M-6]
- Optional Data Display (Refer to Service Condition 3.)
- Room Class
- Room Cutoff [R-9]
- Room Occupied
- Station Number
- VIP (PMS option)

Station/Trunk

Tenant Number

Note: If the Desk Console is used instead of the System Hotel Attendant Console, the basic key allocations are different from the previous ones. The following illustration shows the Desk Console key positions and indications used in hotel system. The operating procedures for each service are the same as the System Hotel Attendant Console.

Key Allocations of Desk Console



Note: Please see office data specification if a Call Park key is used using Pattern 2, 3 or 4. Call Park key is assigned via ASYD SYS1, Index 6 (Pattern 2, 3, or 4) and switch settings on the ATI card such as CH-CS00 (SW12-2 and SW12-3) and PA-CS33-C/PA-CS33 (SW17-3 and SW17-4). The key overwrites the Trunk Select (TRKSL) key, and also the TRKSL key overwrites the Talk key.

The different key indications of the Attendant Console and the Desk Console are shown below.

HOTEL ATTENDANT CONSOLE	DESK CONSOLE
WKUP (Set)	WUS
WKUP (Reset)	WUR
DND (Set)	DDS
DND (Reset)	DDR
RC (Set)	RCS
RC (Reset)	RCR
MW (Set)	MWS
MW (Reset)	MWR

HOTEL ATTENDANT CONSOLE	DESK CONSOLE
TKSL	TRKSL
SRLC	SC
DND OVER	DDO
PG	PAGE
RCL	Recall
OT	OT

Operating Procedure

Refer to How to Operate Attendant Console.

Service Conditions

1. The distance limit between Telephony Server and the console is 1000 feet (304 meters) using 25-pair, 24 AWG Cable.
2. A maximum of four consoles per PIR are allowed.
3. A three-character and a five-character display can be used in conjunction with PMS to display additional guest information instead of language and room class. For example, company name, complementary code, etc. may be displayed.
4. The OAI name of the administration station is displayed on the character display (guest name display area) when Name Display Service via OAI is available in Telephony Server. When there is no name assigned for the administration station, "ADM STATION" is displayed.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 9		Number of consoles Maximum of four consoles per PIR.
2	System Data 1 ASYD Index 43	Bit 0	For remote access to system, is Forced Account (F/A) code dialing required upon receiving Ringback Tone? 0/1 = Required/Not required
		Bit 1	Not used
		Bit 2	Send Service Set Tone after ACC code dialing for authorization code or F/A code is dialed using LCR access 0/1 = Out/In service
		Bit 3	Not used
		Bit 4	Console re-enters loop on serial call 0/1 = Restriction/Allowed
		Bit 5	Send Dial Tone to the distant office upon receiving terminated office code (tandem) 0/1 = Not required/Required
		Bit 6	Not used
		Bit 7	Restriction for dialing more than the maximum of necessary digits (as assigned by AMND) 0/1 = Not required/Required Note: If a calling party dials more than the maximum necessary digits, the calling party receives a Reorder Tone.

STEP	CMND	BIT	EXPLANATION							
3	System Data 1 ASYD Index 64	Bit 0	μ law/A law for TDSW 0 = μ law (Japan, North America, Canada, and Hong Kong) 1 = A law (Europe, other nations)							
		Bit 1	Display of Call Waiting Lamp (on console) service							
		Bit 2	Bit 2 Bit 1 0 0 = When PA Lamp lights 0 1 = When Busy Lamp Field is not displayed 1 0 = Always 1 1 = -							
			Bit 3	Howler Tone Sending service						
			Bit 4	Bit 4 Bit 3 0 0 = Out of service 0 1 = Send one time only 1 0 = Repeat every 30 seconds 1 1 = - Note: The sending timer may be changed to a value other than 30 seconds via System Data 1, Index 146.						
				Bit 5	Not used					
		Bit 6	Type of Attendant Camp-On 0/1 = Semi-Auto/Automatic (Normally Assign “0”)							
		Bit 7	Music-on-Hold service 0/1 = Out/In service							
4	System Data 1 ASYD Index 68	Bit 0	Operating method for busy station service (Call Back, Executive Right-of-Way, etc.) 0/1 = SHF + Access Code/Last Digit + Access Code							
		Bit 1	Operating method for individual trunk access (console) service 0 = Route Number + Trunk Number 1 = Central office code (as assigned via ACOC)							
		Bit 2	Ringling signal type for TAS indicator 0/1 = Interval/Continuous							
		Bit 3	Outgoing trunk queuing (on-hook) automatic cancel 0/1 = Out/In service							
		Bit 4	TKSL key on the console (for individual trunk access service) 0/1 = Not used/Used							
		Bit 5	Not used							
		Bit 6	Ground Button (GB) used for SHF 0/1 = Not required/Required							
		Bit 7	Outgoing call operation <table><tr><td> Bit 7 -</td><td>via Console</td><td>Direct Dial Access</td></tr><tr><td>0</td><td>Off-Hook</td><td>Off-Hook with pressing GB</td></tr><tr><td>1</td><td>Off-Hook with pressing GB</td><td>Off-Hook</td></tr></table>	Bit 7 -	via Console	Direct Dial Access	0	Off-Hook	Off-Hook with pressing GB	1
Bit 7 -	via Console	Direct Dial Access								
0	Off-Hook	Off-Hook with pressing GB								
1	Off-Hook with pressing GB	Off-Hook								

A-25/A-47 Attendant Console with Hotel Functions

STEP	CMND	BIT	EXPLANATION
5	System Data 1 ASYD Index 77	Bit 0	Day/night mode change via the console Night key 0/1 = Not required/Required
		Bit 1	Not used
		Bit 2	Message Waiting Refresh 0/1 = Required/Not required Note: When the Message Waiting Lamp is provided, this data should be assigned “0”.
		Bit 3	Service Module Interface 0/1 = Required/Not required
		Bit 4	Module in that PFT card is mounted
		Bit 5	PIM (always assign “11”.)
		Bit 6-7	Not used
6	System Data 1 ASYD Index 160	Bit 0	Hotel feature required (fixed data)
		Bit 1	Hotel service kind (fixed data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of key arrangement on console (refer to Key Arrangement for Hotel Attendant Console) (usually, “00”)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering plan data table of guest and administration stations 0/1 = Separate/Common Note: If the data is assigned as “1”, only use commands AANP and AASP to assign administration and guest numbering plans. If Data “0” is assigned, use AANP and AASP for administration numbering plan, and AGNP and AGSP for guest numbering plan
Bit 7	Fixed “0”		
7	System Data 1 ASYD Index 161	Bit 0	Do not Disturb Override key on console 0/1 = Out/In service
		Bit 1	Message Waiting service 0/1 = Out/In service
		Bit 2	Language service 0/1 = Out/In service
		Bit 3	Split Hold service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Direct Station Selection (DSS) key on console 0/1 = Ineffective/Effective
		Bit 6	Timing Start using “#” code Note 1 0/1 = Ineffective/Effective
Bit 7	Timing Start using “*” code Note 1 0/1 = Ineffective/Effective		
Note 1: Do not assign “*” or “#” as the last digit of the feature access code. Do not use “*” or “#” as part of station numbers in the numbering plan.			

A-25/A-47 Attendant Console with Hotel Functions

STEP	CMND	BIT	EXPLANATION																																										
8	System Data 1 ASYD Index 257	Bit 0	DLKC circuit card for console 0/1 = Not exist in system/Exist in system (Only for a system with more than 4-IMGs, not applicable in SV9500)																																										
		Bit 1	Not used																																										
		Bit 2																																											
		Bit 3																																											
		Bit 4																																											
		Bit 5																																											
		Bit 6																																											
		Bit 7																																											
9	System Data 2 ASYD Index 0	Bit 0	Restriction data of station busy services can be designated as the table below. <table><tr><td></td><td></td><td>CALL BACK</td><td>EXECUTIVE RIGHT-OF-WAY</td><td>CALL WAITING-ORIGINATING</td><td>VOICE CALL (Desktop terminal)</td><td>MESSAGE REMINDER (Desktop terminal))</td></tr><tr><td>Bit 1</td><td>Bit 0</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>0</td><td>0</td><td>R</td><td>R</td><td>R</td><td>R</td><td>R</td></tr><tr><td>0</td><td>1</td><td>A</td><td>R</td><td>A</td><td>A</td><td>A</td></tr><tr><td>1</td><td>0</td><td>R</td><td>A</td><td>A</td><td>A</td><td>A</td></tr><tr><td>1</td><td>1</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td></tr></table> R: RestrictedA: Allowed			CALL BACK	EXECUTIVE RIGHT-OF-WAY	CALL WAITING-ORIGINATING	VOICE CALL (Desktop terminal)	MESSAGE REMINDER (Desktop terminal))	Bit 1	Bit 0						0	0	R	R	R	R	R	0	1	A	R	A	A	A	1	0	R	A	A	A	A	1	1	A	A	A	A	A
				CALL BACK	EXECUTIVE RIGHT-OF-WAY	CALL WAITING-ORIGINATING	VOICE CALL (Desktop terminal)	MESSAGE REMINDER (Desktop terminal))																																					
		Bit 1	Bit 0																																										
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		1	0	R	A	A	A	A																																					
		1	1	A	A	A	A	A																																					
		Bit 1	<table><tr><td>0</td><td>0</td><td>R</td><td>R</td><td>R</td><td>R</td><td>R</td></tr><tr><td>0</td><td>1</td><td>A</td><td>R</td><td>A</td><td>A</td><td>A</td></tr><tr><td>1</td><td>0</td><td>R</td><td>A</td><td>A</td><td>A</td><td>A</td></tr><tr><td>1</td><td>1</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td></tr></table> R: RestrictedA: Allowed	0	0	R	R	R	R	R	0	1	A	R	A	A	A	1	0	R	A	A	A	A	1	1	A	A	A	A	A														
		0	0	R	R	R	R	R																																					
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		1	0	R	A	A	A	A																																					
		1	1	A	A	A	A	A																																					
Bit 2	Not used																																												
Bit 3	Attendant Override service 0/1 = Out/In service																																												
Bit 4	Busy Verification (Console) service 0/1 = Out/In service																																												
Bit 5	Not used																																												
Bit 6																																													
Bit 7																																													

STEP	CMND	BIT	EXPLANATION
10	System Data 2 ASYD Index 2	Bit 0	Sender Signal to DP/PB Route (Station) 0/1 = DP/PB
		Bit 1	Sender Signal to DP/PB Route (Console) 0/1 = DP/PB
		Bit 2	Console day/night mode change Bit 3 Bit 2 0 0 = Not required (External Switch effective) 0 1 = Primary Console 1 0 = All Consoles 1 1 = -
		Bit 3	
		Bit 4	Not used
		Bit 5	Attendant Loop Release service 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	Kind of DP sender (when Bit 0 = 0) 0/1 = 10 PPS/20 PPS
11	System Data 2 ASYD Index 6	Bit 0	Message Center Interface service when terminating to a UCD group 0/1 = Out/In service
		Bit 1	Not used
		Bit 2	
		Bit 3	
		Bit 4	Call origination restriction of station upon setting Call Forwarding - All Calls 0/1 = Required/Not required
		Bit 5	Inter-Position Transfer service 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	Call Forwarding - Do Not Answer service (at console) 0/1 = Out service (recall to console)/In service
12	System Data 2 ASYD Index 7	Bit 0	Busy Lamp Field 0/1 = Out/In service
		Bit 1	Message Center Interface service when terminating console 0/1 = Out/In service
		Bit 2	Serial Call service 0/1 = Out/In service
		Bit 3	Supervisory Call service 0/1 = Out/In service
		Bit 4	First digit of phantom station number for Privacy Expansion
		Bit 5	
		Bit 6	
		Bit 7	

STEP	CMND	BIT	EXPLANATION
13	System Data 2 ASYD Indexes 8 and 9		Call Waiting Display on console
14	System Data 2 ASYD Index 14	Bit 0	Call Waiting Lamp on Console-threshold Call Waiting Lamp flashes when the number of calls waiting is greater than or equal to this data.
		Bit 1	Bit 3 Bit 2 Bit 1 Bit 0Bit 3 Bit 2 Bit 1 Bit 0 0 0 0 0 =No Flash1 0 0 0 = 8 Calls 0 0 0 1 =1 Call1 0 0 1 = 9 Calls 0 0 1 0 =2 Calls1 0 1 0 = 10 Calls 0 0 1 1 =3 Calls1 0 1 1 = 11 Calls 0 1 0 0 =4 Calls1 1 0 0 = 12 Calls 0 1 0 1 =5 Calls1 1 0 1 = 13 Calls 0 1 1 0 =6 Calls1 1 1 0 = 14 Calls 0 1 1 1 =7 Calls1 1 1 1 = 15 Calls
		Bit 2	
		Bit 3	
		Bit 4	Calls that activate Call Waiting Lamp flash 0/1 = All calls/Only the types of calls specified in System Data 2, Indexes 8 and 9
		Bit 5	
		Bit 6	Not used
		Bit 7	
		15	AHSY Index 105
Bit 1	Not used		
Bit 2	Maid Dial service from console 0/1 = Not required/Required		
Bit 3	Not used		
Bit 4	Wake-Up time indication on hotel console 0/1 = 24-hour/12-hour system		
Bit 5			
Bit 6	Not used		
Bit 7	Guest Name Display on console 0/1 = Interface type Model 60, 90, 120/Model 90, 120		
16	AHSY Indexes 101 and 102		When an incoming call terminates to the hotel/motel console from a guest station of the language category corresponding to each bit. The key that the call terminates to: 0: GST1 Key 1: GST2 Key Language data is assigned on each guest station as per the information from the PMS.
17	AHSY Index 109	Bit 5	Busy status display - console 0/1 = Out/In service Note: Other bits are not to be assigned for this service, but may be set for other services.

A-25/A-47 Attendant Console with Hotel Functions

STEP	CMND	BIT	EXPLANATION
18	AHSY Index 183	Bit 0	Setting of hotel/motel console that sets Alert Service 0 Hex: Service can be set from any of the consoles 1-F Hex: Service can be set only from the console of the designated console number
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Classifying the call termination indicating keys on the basis of the language category of the guest at the time an incoming call from a guest station has terminated to the hotel/motel console. 0/1 = Not required/Required
		Bit 5	Not used
		Bit 6	In the case of “All Event No Printout”, the hotel printer prints out only the information pertaining to outgoing calls. 0/1 = Out/In service (The outgoing call data is assigned by Indexes 360-367.)
		Bit 7	Not used
STEP	CMND	EXPLANATION	
19	AANP or AGNP	Assign 1st digit for console access code. (CI = N and H, NND = ☐ , BLF = 0)	
20	AASP or AGSP	Assign console access code. (CI = N and H, SRV = SSC, SID = 2)	
21	ATNR	Release the connection restriction between the tenants.	
22	ATRK	Assign the LENS data for the console. (RT = 901, RSC = 0, SFC = 0)	
23	MBTK	Release the trunk for console make-busy.	
24	ARSC	Release the route restriction (RSC = 0) for the console.	
25	AAKP	Function 6 = GST2 (foreign guest) Function 7 = ATT - Assist Wake-Up Function 8 = Inter-Position Transfer	

Key Arrangement for Hotel Attendant Console

Data		KEY ARRANGEMENT						REMARKS
Bit 4	Bit 3							
0	0	WUS	DDS	MWS	RCS		AUD	WUS: Wake-Up Set WUR: Wake-Up Reset DDS: Do Not Disturb Set DDR: Do Not Disturb Reset MWS: Message Waiting Set MWR: Message Waiting Reset RCS: Room Cutoff Set RCR: Room Cutoff Reset AUD: Audit Report STS: Status Check C/I: Check-In C/O: Checkout SCS: Boss-Secretary Set SCR: Boss-Secretary Reset COC: Manual Switching of central office Incoming Call
		WUR	DDR	MWR	RCR		STS	
0	1	WUS	DDS	MWS	RCS		COC	
		WUR	DDR	MWR	RCR		STS	
1	0	WUS	DDS	MWS	RCS	C/I	AUD	
		WUR	DDR	MWR	RCR	C/O	STS	
1	1	WUS	DDS	MWS	RCS	SCS	AUD	
		WUR	DDR	MWR	RCR	SCR	STS	

A-26

Audit Reports

General Description

The Telephony Server provides Audit Report printout of all rooms assigned specific room status conditions. For example, an audit of all stations in Do Not Disturb [D-11] mode may be ordered. These reports are generated by key operation and function codes entered from the hotel console. Audit Reports available from the printer are as follows.

Function		Printout Information
Code	Definition	
0	All Status	All Status
1	Maid Status	To be Cleaned
2		Cleaned
3		Ready to sell
4		Out of Service
5		Repair Needed
6		Vacant
7	Room Condition	Occupied
8		Message Waiting set [M-6]
9		Automatic Wake-Up [A-10/A-27] (<i>Room & Time</i>)
10		VIP Room (<i>see service condition, PMS option</i>)
11		Do Not Disturb [D-11]
12		Room Cutoff [R-9]
*	Room Class	All Class Audit
21		Room Class 1
22		Room Class 2
23		Room Class 3
24		Room Class 4
25		Room Class 5
26		Room Class 6
27		Room Class 7
28		Room Class 8
29		Room Class 9
20		Room Class 10
2*		Room Class 11
2#		Room Class 12

Operating Procedure

To order Audit Reports printouts from the console or front desk terminal.

1. Press the AUD key. The associated lamp lights.
2. Press the STS key. Dial the desired function code.
3. The function code is displayed. Press the ENTER key.
4. All displayed information is cleared and lamps are extinguished. Printout begins.

Service Conditions

1. VIP classification must be entered via PMS.
2. Room classifications are assigned via PCPro.
3. Guest name and optional data (language, etc.) are displayed on the console, but are not included in the printout.
4. A hotel printer is necessary for this service feature.
5. Only one audit may be run at a time.
6. Status information is automatically printed out when the following services are performed:
 - Maid Status [M22] (from guest room only).
 - Automatic Wake-Up [A-10/A-27] (unanswered, blocked calls).
7. When AHSY, Index 71, Bit 3=1 (PB Tone sending from PC Attendant Console is in service), this feature cannot be used from Attendant Consoles.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 11	Bit 0	I/O Port designation to hotel printer (Model 60/90/120 PMS)
		Bit 1	Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
		Bit 2	0 0 0 = Port 0 0 1 1 = Port 3
			0 0 1 = Port 1 1 0 0 = Port 4
			0 1 0 = Port 2 1 0 1 = Port 5
			1 1 0 = Port 6
			1 1 1 = Port 7
		Bit 3	Not Used
		Bit 4	
		Bit 5	
		Bit 6	Transmission Protocol between Telephony Server and hotel printer
		Bit 7 Bit 6	Bit 7 Bit 6
			0 0 = Out of Service 1 0 = - 0 1 = In Service 1 1 = -

A-26 Audit Reports

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 168	Bit 0	Group Announcement Service (for hotel system) 0/1 = Out/In service
		Bit 1	1: Audit Report in service
		Bit 2	Not used
		Bit 3	
		Bit 4	Off-hook Alarm (service) 0/1 = Out/In service
		Bit 5	Destination for Off-hook Alarm termination 0/1 = Console/Station
		Bit 6	Destination for priority call termination 0/1 = Console/Station
		Bit 7	Not used
STEP	CMND	EXPLANATION	
3	AIOC	Assign printer port to match System data 1, ASYD, Index 11, in Step 1 above.	
4	AGST	Assign room class	

A-48 Automatic Message Waiting Lamp Off

General Description

This feature provides for guest station Message Waiting [M-6] Lamps to automatically turn off after guests have called administration stations (i.e. message center) to retrieve messages.

Operating Procedure

When a guest calls the administration station to retrieve a message, the Message Waiting [M-6] Lamp on the associated guest telephone is automatically extinguished and the Message Waiting [M-6] data is cleared.

Service Conditions

1. This service is available regardless of which terminal (PMS terminal, ATTCON, Front Desk) the Message Waiting [M-6] has been set on. The data assignment (AHSY, Index 252, Bit 4 = 1) is required.
2. This feature is not available when calling the console.
3. Message Waiting Lamps set by Message Center Interface will not be canceled by Automatic Message Waiting Lamp Off [A-48].
4. Refer to Message Waiting [M-6] for more information.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Direct Station Section (DSS) key on console 0/1 = Ineffective/Effective
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective

A-48 Automatic Message Waiting Lamp Off

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 172	Bit 0	Message Waiting
		Bit 1	Message Registration
		Bit 2	Do Not Disturb, Room Cutoff
		Bit 3	Room Status
		Bit 4	Automatic Wake-Up, Group Announcement
		Bit 5	Room Change, Room Swap
		Bit 6	Room Data Change
		Bit 7	Not used
3	System Data 1 ASYD Index 179	Bit 0	Ringling Duration for Automatic Wake-Up
		Bit 1	Bit 1 Bit 0 0 0 = 30 seconds 0 1 = 15 seconds Bit 1 Bit 0 1 0 = 45 seconds 1 1 = 60 seconds
		Bit 2	Automatic Message Waiting Lamp Off 0/1 = Out/In service
		Bit 3	Not used
		Bit 4	ATT Monitor Service 0/1 = Out/In service
		Bit 5	Not used
		Bit 6	
		Bit 7	
4	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	Message Waiting Lamp indication of “Do Not Disturb” 0/1 = Lights steadily/Flashes
		Bit 3	Message Waiting Lamp indication of “Do Not Disturb” 0/1 = Not required/Required
		Bit 4	Message Waiting Lamp indication of “Message Waiting” 0/1 = Lights steadily/Flashes
		Bit 5	Message Waiting Lamp indication of “Message Waiting” 0/1 = Required/Not required
		Bit 6	2-line Guest Name Display on a Desktop terminal 0/1 = Out/In service
		Bit 7	Not used

A-48 Automatic Message Waiting Lamp Off

STEP	CMND	BIT	EXPLANATION
5	AHSY Index 252	Bit 0	Room Key Information 0/1 = Key rack type/Card rack type
		Bit 1	Not used
		Bit 2	
		Bit 3	
		Bit 4	When the guest calls to retrieve messages from the Message Center, the Message Waiting Lamps can be automatically extinguished regardless of which terminal the Message Waiting has been set on. 0/1 = Invalid/Valid
		Bit 5	Not used
		Bit 6	
		Bit 7	
STEP	CMND	EXPLANATION	
6	ASFC	Release the restriction of SFI = 69 for the SFC of the stations that receives Automatic Message Waiting Lamp-Off.	

A-57

Alert Service

General Description

In an emergency situation, the console or Special Administration station may initiate the Alert Service. All guest stations and Special Administration stations are called, using a distinctive ringing pattern, and connected to an emergency announcement. At this time, if Desktop terminals are used for guest stations, the LCDs will indicate emergency.

Operating Procedure

To set Alert Service from console

1. Press the Loop key.
2. Dial the access code for Alert Service setting.
 - a.) Receive Service Set Tone.
 - b.) All the guest stations and all the special administration are rung.
3. Press the RELEASE key.

To cancel Alert Service from console

1. Press the Loop key.
2. Dial the access code for Alert Service cancel. Receive Service Set Tone.
3. Press the RELEASE key.

To set Alert Service from Special Administration station

1. Lift the handset. Receive Dial Tone.
2. Dial the access code for Alert Service setting.
 - a.) Receive Service Set Tone.
 - b.) All the guest stations and all the Special Administration stations are rung.
3. Replace the handset.

To cancel Alert Service from Special Administration station

1. Lift the handset. Receive Dial Tone.
2. Dial the access code for Alert Service cancel. Receive Service Set Tone.
3. Replace the handset.

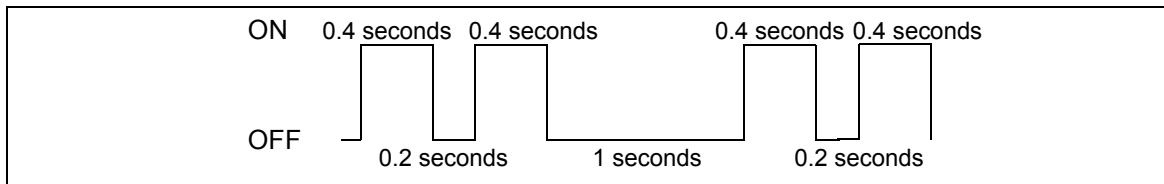
To answer

1. The Stations rung by the Alert Service lift the handset. Announcement is heard from the Announcement Machine. **Note 1**
2. Replace the handset.

Note 1: On answering, the station is automatically connected to an announcement machine. If Language Service has been specified by PMS, the guest will receive the announcement in their own language.

Service Conditions

1. A guest station is called every two seconds, to a maximum of 24 stations per module group ringing simultaneously. The stations are called in ascending order, based on Line Equipment Numbers (LENS) per Module Group (MG). After all stations in a Port Interface Rack (PIR) have been called, the process is repeated in an attempt to reach stations that did not answer, were busy, or were blocked. Unreachable stations will be tried three times by Telephony Server.
2. Stations will be retried if the guest does not answer, the line is busy, or the line is in Line Lockout [L-3]. Stations in the make-busy condition are not called. The unanswered guest information is printed out on the hotel printer. Note that the information is also printed out when the called station is a Guest Room -D.
3. Alert Service overrides Do Not Disturb [D-11].
4. Special Administration stations are also called.
5. The ringing pattern used with Alert Service is shown below. This pattern may not be changed.



6. If a printout of responses (i.e., answered, blocked, busy) is required, the hotel printer must support a minimum of 220 characters per second (CPS).
7. PS cannot be called by this feature. Since the system calls terminals on a PIR basis, PS terminals, which are accommodated in virtual PIR cannot be called.
8. When announcement trunks for Alert Service in different languages are provided, the guest receives the announcement in their own language. In this case, the guests are connected to the announcement trunk in multiple connection, and if the guest does not go on hook after hearing the announcement, the call is disconnected automatically after 30 seconds.
9. While guest stations are ringing, the LCDs on the guest room Desktop terminals (if used) will display the following.

EMERGENCY CALL
(Time and Date)

>>>

10. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Direct Station Section (DSS) key on console 0/1 = Ineffective/Effective
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective
2	AHSY Index 182	Bit 0	Not used
		Bit 1	Called # printout (Alert Service) 0/1: No/Yes
		Bit 2	When a guest station has been called out by Alert Service, if that guest station is Busy, Locked Out, or under make-busy status, that information is printed out. 0/1 = Not required/Required
		Bit 3	When a guest station answers Alert Service, that information is printed out. 0/1= Not required/Required
		Bit 4	When a guest station has been called out by Alert Service, if that guest station does not answer, the information is printed out. 0/1 = Not required/Required
		Bit 5	Not used
		Bit 6	
		Bit 7	
3	AHSY Index 183	Bit 0	Designation of the hotel/motel console that sets Alert Service 0: Service can be set from any of the consoles 1 - 15:Service can be set only from the console of the designated console number
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Classifying the call termination indicating keys on the basis of the language category of the guest at the time an incoming call from a guest station has terminated to the hotel/motel console. 0/1 = Not required/Required
		Bit 5	Not used
		Bit 6	In the case of “All Event No Printout”, the hotel printer prints out only the information pertaining to outgoing calls. 0/1 = Out/In service (The outgoing call data is assigned by Indexes 360-367.)
		Bit 7	Not used

A-57 Alert Service

STEP	CMND	EXPLANATION
4	AANP	Assign minimum necessary numbers of digits for the first number of the Alert Service access code.
5	AASP	Assign access code for Alert Service. • To set (hotel console): SID = 36, STATE = 40 • To cancel (hotel console): SID = 36, STATE = 41 • To set (special administration): SID = 36, STATE = 45 • To cancel (console): SID = 36, STATE = 46
6	ARTD	Assign the route data of the trunk that interfaces with the announcement unit. (LSG = 5). Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
7	ATRK	Assign the trunk interfacing with the announcement unit.
8	MBTK	Release the make-busy of the trunk assigned in ATRK.
9	AAED / AAEDL Note 2	Assign the announcement machine to announce occurrence of an emergency. EQP = 15, LANG = 0 Note: If Language Service is required, LANG parameter in AAED/AAEDL must be programmed to match guest language. Note 2: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.
10	ASFC	Release the restriction of Special Administration station (Hotel System) [SFI 45] for the Service Feature Restriction Class of the Special Administration station.

A-58 Automatic Wake-Up - Hotel Attendant

General Description

When Automatic Wake-Up [A-10/A-27] is set to the guest station with VIP status and it is time for the guest to be awakened, the call will ring the console. When answered, the call is extended to the guest. The guest will be greeted by the attendant rather than a recorded announcement.

Operating Procedure

To operate from the console

1. On the hotel console, the Wake-Up (WU) Lamp flashes and the bell rings at a set time.
2. Press the WU key or ANSWER key. **Note 1** The status of guest station to be called appears on the display of the console. **Note 2**
3. Press the START key. Receive Ringback Tone. The station is rung. If a Desktop terminal is used for a guest station, the LCD will display as follows.

WAKE UP (Time and Date) >>>

4. Guest station lifts the handset. Hotel attendant informs Wake-Up time. If a Desktop terminal is used for a guest station, "WAKE-UP" display goes out.
5. Press the RELEASE key.

Note 1: If the guest station concerned goes off-hook while a call termination is being indicated at the WU key, this is processed as an answer to Automatic Wake-Up [A-10/A-27], and Automatic Wake-Up - Hotel Attendant is canceled.

Note 2: If the guest station concerned goes off-hook after the hotel attendant presses the WU or ANSWER key, but before pressing of the START key, the hotel attendant and the guest station are connected.

Note: VIP status is set via PMS at the time of Check-In/Checkout [C-23] or when room data is changed.

Service Conditions

1. The Service Conditions for setting and resetting Automatic Wake-Up [A-10/A-27] also apply to Automatic Wake-Up - Hotel Attendant.
2. Attendant Console with Hotel Functions [A-25/A-47] and Automatic Wake-Up [A-10/A-27] must be provided.
3. If Wake-Up is set to a primary station of a Suite Room Service [S-75], the status is displayed on the Direct Station Selection (DSS) keys. The attendant may initiate ringing to all the phones in a suite by pressing the START key, or to a specific phone by pressing the corresponding DSS key.
4. If the guest station goes off-hook after the attendant presses the WKUP key, but before the attendant presses the START key, the guest and attendant will be connected.
5. Telephony Server reports the Wake-Up call as "called" at the time it rings in at the WKUP Key.

6. An incoming Wake-Up call to the console that is not answered will not time out. Telephony Server will not divert unanswered Wake-Up calls to Automatic Wake-Up [A-10/A-27]. Automatic Wake-Up [A-10/A-27], Automatic Wake-Up - Hotel Attendant [A-58], and VIP Wake-Up are mutually exclusive.
7. System audit shows “Attendant-called” when the console rings for a Wake-Up call, and shows “Attendant-answered” when the Attendant answers the call. Wake-Up result is sent to PMS.
8. The console displays “ATC”, and no other result is sent to PMS when the attendant answers the call.
9. Setting and canceling Wake-Up services are restricted from administration stations, the console, the PMS terminal, a front desk terminal, or Special Administration station if the feature was set by the guest room station. These restrictions are programmable in system data.
10. Automatic Wake-Up [A-10/A-27] and Wake-Up Announcement - Head Start [W-2] execution remain the same.
11. VIP Wake-Up Variation - Guest stations are given the VIP status via the PMS computer. When Automatic Wake-Up [A-10/A-27] is set to the VIP guest station and it is time for the guest to be awakened, the call will ring the console. When answered, the call is extended by the attendant to the guest. The guest will be greeted by the attendant rather than a recorded announcement.
 - a.) An incoming VIP Wake-Up call to the console will ring up to three minutes. If the attendant does not answer after three minutes, Telephony Server will divert the VIP Wake-Up to Automatic Wake-Up [A-10/A-27]. The service conditions of Automatic Wake-Up [A-10/A-27] will apply.
 - b.) VIP Wake-Up processing can be cancelled by the console.
 - c.) When the VIP Wake-Up is attempted for a guest station, a station check at the console for that station will display CLD while the console rings. The console displays “ANSWER” when the attendant is called.
 - d.) If the attendant detects an overload of incoming Hotel Attendant Assistance Wake-Up calls, processing of the calls can be altered. The attendant seizes a loop and dials the Hotel Attendant Assistance Wake-Up cancel code. The calls will be handled as Automatic Wake-Up [A-10/A-27] calls. This ensures that the guests are awakened in a timely manner. When the overload is determined to be over, the attendant seizes an idle loop and dials the Hotel Attendant Assistance Wake-Up reactivate code.
12. Automatic Wake-Up hotel attendant assistance overrides Do Not Disturb.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 165	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Automatic Wake-Up - Hotel Attendant Assistant 0/1 = Out/In service
		Bit 5	Setting the priority for guest station in Automatic Wake-Up 0/1 = Out/In service
		Bit 6	Wake-Up information (time, station number, etc.) printout 0/1 = Out/In service
		Bit 7	Floor service 0/1 = Out/In service

A-58 Automatic Wake-Up - Hotel Attendant

STEP	CMND	BIT	EXPLANATION												
2	AHSY Index 184	Bit 0	Not used												
		Bit 1													
		Bit 2													
		Bit 3													
		Bit 4													
		Bit 5													
		Bit 6	Processing for “No Answer” at the console in the case where Automatic Wake-Up Hotel Attendant - Assistance service is provided. Bit 7 Bit 6 <table><tr><td>0</td><td>0</td><td>Changeover to Automatic Wake-Up</td></tr><tr><td>0</td><td>1</td><td>No processing for “No Answer”</td></tr><tr><td>1</td><td>0</td><td>Call termination to console is canceled</td></tr><tr><td>1</td><td>1</td><td>All Wake-Up calls are terminated to the console (including Automatic Wake-Up call)</td></tr></table> Note: This data is effective when the hotel console operator does not answer within three minutes after a call termination is indicated by the WU Lamp on the hotel console.	0	0	Changeover to Automatic Wake-Up	0	1	No processing for “No Answer”	1	0	Call termination to console is canceled	1	1	All Wake-Up calls are terminated to the console (including Automatic Wake-Up call)
		0		0	Changeover to Automatic Wake-Up										
0	1	No processing for “No Answer”													
1	0	Call termination to console is canceled													
1	1	All Wake-Up calls are terminated to the console (including Automatic Wake-Up call)													
Bit 7															

STEP	CMND	EXPLANATION
3	AANP	Assign minimum necessary numbers of digits for the first number of the Automatic Wake-Up service access code.
4	AASP	Assign Wake-Up call changeover access code. - Automatic Wake-Up → Automatic Wake-Up - Hotel Attendant Assistance stop SID = 36, STATE = 38 - Automatic Wake-Up - Hotel Attendant Assistance → Automatic Wake-Up - Hotel Attendant Assistance stop cancel SID = 36, STATE = 39
5	AAKP	Assign the WU (Wake-Up) key (FUNC = 7).

A-73 Automatic Multiple Attendant Recall

General Description

This feature is a variation of the Automatic Recall feature of Telephony Server. When the attendant answers an incoming trunk call, dials the station, and presses the RELEASE key, the automatic-recall timer is activated. The dialed station rings, but if it is unanswered within the customer-defined recall time, the call is directed to all active attendants as an incoming call on the NANS (no answer) ICI Key - the dialed station stops ringing at this point. If there is no available attendant, the call is directed to the attendant who originally handled the call, and the dialed station begins ringing again. It continues ringing until the incoming trunk is released.

Note: This feature is only available in North America.

Operating Procedure

1. The attendant presses the Incoming Trunk Call Identification key or the ANSWER key when the call waiting Lamp is lit.
2. The attendant dials the station number, then presses the RELEASE key.
 - a.) The automatic recall timer is activated.
 - b.) The caller hears Ringback Tone while the called station rings, and the call remains in the attendant loop (the attendant that answered the call can retrieve the call before the station answers or before the recall time elapses).
3. If the station does not answer within the recall time, Telephony Server releases the station. Any attendant can press the NANS key and talk to the caller. The call rings on all active attendants as a NANS (no answer) call, and can be answered by any of the attendants.

Note: If the Attendant Loop Release [A-6] is activated, the recall timer is fixed at 30 seconds.

4. If Called Number Display - Attendant [C-59] is activated, the unanswered station number is displayed as the destination, and the DEST Lamp lights.
5. If the attendant presses the SRC key, the calling trunk number is displayed and the SRC Lamp lights. The DEST Lamp goes off.

Service Conditions

1. This feature is not available on a tenant basis, only on a system basis.
2. This feature only works on incoming trunk calls. Internal calls recall to the original Attendant.
3. This feature only applies when the automatic-recall timer elapses while timing a call to a ringing, unanswered station. It does not apply to stations with Attendant Camp-On with Tone Indication [A-1] or Call Hold [C-6].
4. Automatic Multiple Attendant Recall can be used in conjunction with Attendant Loop Release [A-6]. When the programmable timer runs out, the call is directed to all attendants without recalling on a specific attendant loop.
5. This feature is not available for Incoming Central Office Call to TIE-Line Connection [I-3].
6. This feature applies to both guest and administration stations.
7. ATT peg count is increased by one when the call is redirected to the attendants.
8. A call record is not sent to SMDR until the call is answered by one of the attendants.

A-73 Automatic Multiple Attendant Recall

9. Call Forwarding - Don't Answer [C-3] supersedes this feature.
10. This feature can be used in conjunction with Called number Display - Attendant [C-59]. If Called number Display - Attendant [C-59] is activated, the called station number is displayed on the console when the attendant answers (the called number is displayed not only by Automatic Multiple Attendant Recall, but also by call forwarding to attendant).
11. The called number displayed is the number of the station that is ringing when the attendant presses the RELEASE key. If the call has been forwarded, this number is not the same as the dialed number.
12. Automatic Multiple Attendant Recall is not available for calls transferred to stations over CCIS.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION	
1	System Data 1 ASYD Index 177	Bit 0	Not used	
		Bit 1		
		Bit 2		
		Bit 3		
		Bit 4		
		Bit 5		
		Bit 6	Guest answers camped-on call by switchhook flash 0/1 = Restricted/Allowed	
		Bit 7	Console multiple recall 0/1 = Out/In service	
2	System Data 1 ASYD Index 145	Bit 0	Console automatic recall timer:	This timer assigns the duration that a call being transferred to a station from the attendant will ring at the station before being recalled. Timer value setting is MTC × TC seconds. Note: When this data is 00 Hexadecimal, default data is automatically set to 30 seconds.
		Bit 1	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 Hexadecimal to F Hexadecimal (1 - 15).	
		Bit 2		
		Bit 3		
		Bit 4	Timer Class (TC) must be assigned as “001” TC = 001 means eight seconds	
		Bit 5		
		Bit 6		
		Bit 7	Console automatic recall timer value 0/1 = Ineffective/Effective	

A-74 Answering Camp-On/Call Hold Calls by Switchhook Flash

General Description

This feature allows a busy guest station to answer a Camp-On or Call Hold call automatically by using switchhook flash.

Note: This feature is only available in North America.

Operating Procedure

To answer a Camp-On call

1. The attendant executes Attendant Camp-On with Tone Indication [A-1]. A busy guest station user hears a Camp-On Tone indication.
2. If the camped-on station becomes idle, it is automatically rung and connected to the waiting trunk when the user answers. An alternative is for camped on station to perform a switchhook flash.
3. When this feature has been enabled and the camped-on station performs a switchhook flash, the call in progress is placed in a Call Hold [C-6] state and the camped-on station is connected to the camp-on call. The station can then alternate between the two parties by repeating the switchhook flash.
4. When this feature has been restricted, Call Hold [C-6] can be used to answer the camp-on call.

To answer a Call Hold call

1. A station uses Call Hold [C-6]. The call is placed on hold.
2. The station initiates another call.
3. When the station becomes idle, it is automatically rung and the user is connected to the call on hold upon answer. The station may also perform a switchhook flash to reconnect with the held call.
4. When this feature is enabled and the station performs a switchhook flash, the call in progress is automatically placed in a Call Hold [C-6] state and the original call is reconnected. The station can then alternate between the two parties by repeating the switchhook flash.
5. When this feature is restricted, Call Hold [C-6] can be used to place the second call on hold and return to the original call.

Service Conditions

1. This feature may be used to answer Camp-On calls by administration stations when Flash Button -D [F-3D] has been allowed. However, Call Waiting - Answer -D [C-27D] is the preferred way for administration stations to answer Camp-On calls.
2. This feature may be used to answer Call Hold calls by administration stations when Flash Button -D [F-3D] has been allowed. However, Call Hold [C-6] may be used as an alternative.
3. The operating procedure for Call Hold [C-6] is replaced by this feature when System data 1, Index 177, Bit 6 is enabled.
4. The operating procedure for Call Hold [C-6] using Flash Button -D [F-3D] is replaced by this feature when enabled in system data.
5. The function of the TRANSFER key on the Desktop terminal does not change when this feature is enabled.
6. The limitations for Attendant Camp-On with Tone Indication [A-1] and for Call Hold [C-6] apply to this feature.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION							
1	System Data 1 ASYD Index 177	Bit 0	Not used							
		Bit 1								
		Bit 2								
		Bit 3								
		Bit 4								
		Bit 5								
		Bit 6	Guest answers camped-on call by switchhook flash 0/1 = Restricted/Allowed							
	Bit 7	Attendant Multiple Recall 0/1 = Out/In service								
2	System Data 2 ASYD Index 0	Bit 0	Restriction data of station busy services can be designated as the table below.							
		Bit 1	Bit 1	Bit 0	CALL BACK	EXECUTIVE RIGHT-OF-WAY	CALL WAITING-ORIGINATING	VOICE CALL (Desktop terminal)	MESSAGE REMINDER (Desktop terminal)	
			0	0	R	R	R	R	R	
			0	1	A	R	A	A	A	
			1	0	R	A	A	A	A	
			1	1	A	A	A	A	A	
		R: Restricted A: Allowed								
		Bit 2	Not used							
		Bit 3	Attendant Override service 0/1 = Out/In service							
		Bit 4	Busy Verification (console) 0/1 = Out/In service							
		Bit 5	Not used							
		Bit 6								
		Bit 7								
STEP	CMND	EXPLANATION								
3	ASFC	Call Hold [SFI 10] (RES = 1) Data Line Privacy/Attendant Camp-On [SFI 11] (RES = 1)								

A-75 Automated Guest Station Voice Mail Retrieval

General Description

Automated Guest Station Voice Mail Retrieval (VMR) is a feature that makes it easy for guest stations to retrieve voice mail. Guest stations dial a Voice Mail Retrieval (VMR) access code and a station password for immediate message retrieval. The feature is customer-programmable to allow it to conform to the needs of any voice mail system.

Note: This feature is only available in North America.

Operating Procedure

The voice mail facility must be set up as an administrative station.

Operating the guest station:

1. The guest sees that the Message Waiting Lamp on the guest station is lit.
2. The guest lifts the handset and dials the VMR access code. The Voice Mail System (VMS) answers, and prompts the guest for his password (if required).
3. The guest enters the password. The VMS plays the messages.

Note: A guest station can be provided with normal voice mail operating procedures or Automated Guest Station Voice Mail Retrieval at the discretion of Telephony Server operator.

Service Conditions

1. This feature is not available when the guest station has a party on hold. If a party is on hold, normal operating procedures for voice mail access will be required. This procedure usually requires the dialing of the station number and password, but read the appropriate voice mail manual for complete instructions.
2. Normal operating procedure should be used by the console and the administration stations.
3. If a guest does not listen to the messages before checking out, the messages must be removed by the Voice Mail administrative terminal.
4. Access to voice mail is established by dialing a VMR access code, and internal dialing by Telephony Server of a function code (limited to two digits plus a pause) and the station number (maximum of five digits). The order will be dependent on the voice mail system.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION	
1	System Data 1 ASYD Index 252	Bit 0 - Bit 7	First set of digits	“0-9”, “A-E”, with “0” denotes end of data, “E” denotes calling station. A= 0 B = * C = # D = 1-second delay
2	System Data 1 ASYD Index 253	Bit 0 - Bit 7	Second set of digits	
3	System Data 1 ASYD Index 254	Bit 0 - Bit 7	Third set of digits	
4	System Data 1 ASYD Index 255	Bit 0 - Bit 7	Fourth set of digits	
STEP	CMND	EXPLANATION		
5	ASFC	0-15 SFI - 110 RES = 1		

A-141 Announcement Service - Guest Station

General Description

This service feature allows a station user to hear a prerecorded announcement for following services.

Alert Service	[A-57]
Automatic Wake-Up	[A-10/A-27]
Confirmation announcement (See Automatic Wake-Up)	[A-10/A-27]
Do Not Disturb	[D-11] mode setting
Group Service Through PMS	[G-4]
Hotel information	
Intercept announcement when a vacant level is dialed	
Language selection (Property Management System (PMS) option)	
Restricted call attempts (Room Cutoff)	[R-9]
Tourist group information (tour group schedule & agenda)	

Operating Procedure

To access:

1. Lift the handset or press the SPEAKER key. Receive dial tone.
2. Dial the associated announcement service access code. The system responds with an announcement.
3. Listen to the announcement and hang up.

Service Conditions

1. This feature requires one of the following hardware alternatives.
 - a.) Central Office Trunk (COT) or 2W E&M Trunk and an announcement machine.
 - b.) Digital Announcement Trunk (DAT).
2. Announcements can be arranged as continuous recordings (last-party disconnect) or to automatically disconnect after 30 seconds. An engineering traffic study is required to determine the number of interface trunks needed to accommodate each recording channel.
3. If PMS Language Selection is utilized, Announcement Service can be provided according to guest's language.
4. The following connections are available:
 - a.) Multi-connection - many station users can connect to one announcement trunk at the same time.
 - b.) Single connection - only one station user can connect to one announcement trunk at a time
5. This feature is also available for the Tie Line trunk access to announcement trunk.
6. The system can be programmed to return Ring Back Tone before connection to the announcement machine is made.
7. When this feature is activated from a Tie Line, the system can be programmed to return answer supervision to far-end Telephony Server.
8. If PMS Language Selection is used, Announcement Service can be provided according to the guest's language.
9. Checked out guest stations cannot use this feature, except for Room Cutoff Announcement.

Assignment Procedure

STEP	CMND	EXPLANATION
1	AANP or AGNP	Assign minimum necessary number of digits for the first number of the Announcement Service access code.
2	AASP or AGSP	Assign the access code to the announcement unit number. CI = N&H, SRV = ANNC, EQP = ☐ EQP: Announcement unit number
3	ARTD	Assign the route data of the trunk which interfaces with the announcement unit. (LSG = 5, TCL = 4) Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
4	ARTD	Assign the trunk interfacing with the announcement unit.
5	MBTK	Release the make-busy of the trunk assigned in ATRK.
6	ARSC	Release the Call restrictions between the RSC of the station accessing the announcement unit and the route of the trunk assigned in ATRK. (at RRI = 2, 3)
7	AAED/ AAEDL Note 3	Assign the Data to the announcement unit number and the route data, etc., assigned in ATRK.. EQP = ☐, LANG = ☐ (Note 1) C = ☐, R = ☐, A = ☐ (0/1 = Out/In service) M = ☐, RT = ☐, TK = ☐ (Note 2) C = connection time: disconnected in 30 seconds/connected until caller releases the station. (= 0/1) R = RBT transmission: Ringback Tone transmission/No Ringback Tone transmission. (= 0/1) A = Send Answer Signal 0 = No answer signal is sent to the Incoming TRK 1 = Answer signal is sent to the Incoming TRK M = Multiple Connection: single connection/multiple connection. (= 0/1) Note 1: This parameter appears when Language service is provided by ASYD1, Index 161, Bit 2. Note 2: This parameter appears when M is 1. Note 3: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.

B-26 Busy Status - Hotel Attendant

General Description

When the hotel attendant calls a guest station that is busy, this feature causes the current status of the called guest station to display in detail on the console LCD.

The following illustrations show the displays for each status.

1. When the called station receives Dial Tone (off-hook status), the following will display.

STA BUSY
XXXX → BUSY

2. When the called station is in make-busy status, the following will display.

STA BUSY
XXXX → MAKE BUSY

3. When the called station is in LINE LOCK OUT [L-3] status, the following will display.

STA BUSY
XXXX → LOCK OUT

4. When the called station is dialing, the following will display.

STA BUSY
XXXX → DIALING

5. When the called station is being accessed from another station, the following will display.

STA BUSY
XXXX → RINGING

6. When the called station is talking to the administration station, the following will display.

STA BUSY
XXXX → ADM:XXXX

7. When the called station is talking to another guest station, the following will display.

STA BUSY
XXXX → GST:XXXX

8. When the called station is engaged in a central office line call and when central office code (1-4 digits) is assigned, the following will display.

STA BUSY
XXXX → COC:X

9. When the called station is engaged in a central office line call and when central office code is not assigned, the following will display, the following will display.

STA BUSY
XXXX → RT:XX

10. When the called station is engaged in a call with a hotel attendant, and specified attendant number (one to six digits) is assigned, the following will display.

STA BUSY
XXXX → ATN:XXX

11. When the called station is engaged in call with a hotel attendant, and specified attendant number is not assigned, the following will display.

STA BUSY
XXXX → ATN:X

12. For other status conditions, the following will display.

STA BUSY
XXXX → BUSY

Operating Procedure

To operate from the hotel console

1. The attendant dials a station number individually, or while holding a station/trunk. Receives Busy Tone or Reorder Tone according to the status of the called station.
2. The attendant presses the STS key. The current status of the called station displays on the LCD.
3. The attendant presses the EXT key. The LCD returns to the previous display.
4. From the status described in either Step 2 or 3, the attendant presses the CANCL key.
 - a.) The attendant is connected to the original party.
 - b.) The LCD returns to the initial display.

Service Conditions

1. Busy Status - Hotel Attendant is available only for the hotel console.
2. This feature is available only when the called party is a guest station.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 109	Bit 0	Not used
		Bit 1	Charging Method of ATT (If CCIS service is provided, "1" must be assigned) 0 = "9" + "Trunk Number" 1 = Specific Attendant Number
		Bit 2	When administration or guest stations dial the unused number or the dead level number 0/1 = -/The call is transferred to the console automatically
		Bit 3	Not used
		Bit 4	
		Bit 5	Busy Status Display - Hotel Attendant 0/1 = Out/In service
		Bit 6	Front Desk Terminal (FDT) Keys 0/1 = Fixed/Flexible Note: This bit is currently not used.
		Bit 7	Not used

B-31 Billing Start Notification

General Description

This feature allows the system to send the notification of start billing to PMS when starting a call with a trunk. The following information is notified through this feature.

- Station Number
- Seized Route/Trunk
- Called Party Number
- Starting time of the billing
- Call Type

Operating Procedure

No manual operation is required.

Service Conditions

<Important Notices>

1. This feature is available through PMS Interface [P-29].
2. This feature is available only when a station makes a call to a trunk. This feature is not available for station-to-station calls, incoming call billing and tandem calls. This feature is also not available when stopping a call transfer in progress, answering a call through Call Transfer – Attendant [C-10] or retrieving a call by Exclusive Hold - D [E-4D].
3. The time for the sending of notification of start billing may not synchronize with the actual operation.
4. Through the setting of AHSY, Index 535, Bit 5, you can select either “the time a billing beings” or “the time an operation targeted for billing is performed” as the starting time of the billing to be included in the notification. When you select “the time an operation targeted for billing is performed”, the following information is notified.

When starting a trunk call	: The time a call is established.
When answering a call on hold	: The time a call with a held party is established.
When transferring a call	: The time a call between transfer operating party and destination party is established.

Note: When multiple nodes exist in a system such as a FCCS network, the settings of the node which makes the billing information are applied. To avoid confusion, the identical settings should be applied among the nodes.

<Interactions with Other Features>

1. When a secondary station in a suit room makes a call to a trunk, the notification of start billing includes the station number of the secondary station. Assign “1” to the AHSY, Index 111, Bit 3 and “0” to the Bit 4 to process the billing for suit room on a telephone basis.

<Hardware/Software>

None.

<Interactions with Networks>

1. When multiple nodes have its own PMS in a FCCS network, the notification of start billing is sent to a PMS of the node where the target station is accommodated. When an Attendant Console is the object of billing, the notification is sent to a node (FPC) where the Attendant Console specified by the ASYDL, SYS1, Index 640 is accommodated.

<Conditions Specific to This Feature>

1. When a station is engaged in a call with its sub line, the notified billing information includes the station number of My Line not Sub Line.
2. When a station transfers a trunk call, a notification with station number of the transfer destination is sent to PMS again. In that case, the PMS needs to use Route/Trunk Number on the billing notification to perform display control for the transfer operating party because the station number of the operating party is not notified to the PMS.
3. When a station answers a call on hold, the billing information with the station number of the operating station is resent.
4. The table below shows the output conditions of SMDR billing text and notification of start billing. When the calling party is changed to another party due to call transfer, etc., Route/Trunk number on the notification needs to be changed on the PMS side.

Status	Notification of Start Billing	Billing Text	
		Split Billing	Total Billing
When a call with a trunk is started	x	-	-
When a call is placed on hold	-	-	-
When a held call is retrieved	x	x	-
When a call is transferred	x	x	-
When a call is released	-	x	x

<Other Conditions>

None

Assignment Procedure

Only the data assignments for this feature are described below. In addition to the data assignments below, you need to assign the data for SMDR and PMS. For details, see Station Message Detail Recording (SMDR) [S-10] in Data Programming Manual – Business and PMS Interface [P-29].

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 111	Bit 0	Fixed Data
		Bit 1	
		Bit 2	Not used
		Bit 3	Setting of message registration (Billing) data to be sent out to the PMS (effective when Index 111, Bit 6=1)
		Bit 4	Bit 4 Bit 3 0 1 = The station number of each station within the room is sent out.
		Bit 5	Not used
		Bit 6	Connecting room PMS interface 0/1=Primary Room and Secondary Room/Primary Room only
		Bit 7	Connecting room 0/1 = Out/In service
2	AHSY Index 535	Bit 0	Not used.
		Bit 1	
		Bit 2	Restriction on FAX Line Message Waiting Lamp in Suite Room 0/1 = Invalid/Valid Note: Release the restriction of SFI = 48 for the SFC of the FAX lines on which Message Waiting is restricted.
		Bit 3	Not used.
		Bit 4	Notification of Start Billing is sent to PMS 0/1 = Out/In service * Assign “1” to use this feature.
		Bit 5	Description of Starting Time of the billing on the notification of start billing to be sent to PMS 0 = The time a billing begins 1 = The time an operation targeted for billing is perform.
		Bit 6	Not used.
		Bit 7	

C-19

Calendar Display

General Description

A digital display indicating month, day, hour, and minute is provided on the console.

Operating Procedure

Hour and minute information is constantly displayed. Month and day information is displayed only while key operations pertaining to hospitality services are not being performed.

Service Conditions

1. Hour and minute display - (constant).

Note: The Attendant Console clock reads 00:00 a.m. at midnight and 00:00 p.m. at noon.
The Desk Console clock reads 00:00 a.m. at midnight and 12:00 p.m. at noon.

2. Month and day are displayed as shown below.

- a.) On the Attendant Console:

MONTH XX DAY DAY OF WEEK NAME

- b.) On the Desk Console:

HH:MM AM/PM MONTH XX DAY DAY OF WEEK NAME

3. The time indication can be corrected by use of the PCPro command ATIM.

Assignment Procedure

None.

C-23

Check-In/Checkout

General Description

This service manages vacant/occupied status of each guest room, and automatically restricts/cancels the restriction for such services as central office outgoing call, Automatic Wake-Up, etc. according to the present status of each guest room. When Check-In/Checkout service is activated from the PMS terminal, the console, or the front desk terminal, the following operations occur.

Check-In:	The services available at the guest station are dependent upon the guest station Class of Service (as defined by the Class of Service - Individual [C-15]).	
Checkout:	Do Not Disturb	[D-11] - Reset
	Room Cutoff	[R-9] - Set
	Message Waiting	[M-6] - Reset
	Automatic Wake-Up	[A-10/A-27] - Clear
	Guest Name Display -D	[G-6D] - Clear
	Group Service through PMS	[G-4] - Reset

Note: Features may be cleared from the PMS terminal depending on data assignment when PMS Model 60 is used. All data is cleared when the console is used. Features may be cleared from the PMS terminal depending on code sent to Telephony Server when PMS Model 90 or 120 is used.

Operating Procedure

Check-In from the console or front desk terminal

1. Press the CHK IN key. The associated lamp lights.
2. Dial the guest room number. The guest room number is displayed.
3. Press the ENTER key. The lamp flashes to confirm Check-In.
4. Press the EXIT key. The lamp and guest room number are extinguished.

Checkout from the console or front desk terminal

1. Press the CHK OUT Key. The associated lamp lights.
2. Dial the guest room number. The guest room number is displayed.
3. Press the ENTER key. The lamp flashes to confirm Checkout.
4. Press the EXIT key. The lamp and guest room number are extinguished.

Note: If an error is made in the course of key operations, press the CLEAR key and continue from Step 2 (station dialing).

Note: When performing Check-In/Checkout for two or more guests at the same time, follow Steps 1-3 for the first guest. Follow Steps 2 and Step 3 only for the remaining guests, then Step 4 to exit from the Check-In/Checkout mode.

Service Conditions

1. When the PMS feature is in operation, the CHK IN/CHK OUT Key does not function from the console. Check-In/Checkout is activated by the PMS computer unless AHSY, Index 139, Bit 0 = 1.

2. The CHK IN/CHK OUT key at the front desk terminal is always operational. The front desk terminal CHK IN/CHK OUT key can be used to allow or restrict the guest's phones prior to Check-In/Out from the PMS terminals as a temporary Check-In/Out when the PMS terminals are overloaded.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Console (Refer to Key Arrangement for Hotel Attendant Console) (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest station and administration station 0/1 = Separate/Common
		Bit 7	Fixed "0"
2	AHSY Index 403	Bit 0	Processing when Checkout result (Feature Code = 16, Function Code = 2) has been received from PMS. 0: Out status memory in guest memory is cleared 1: All guest memory is cleared
		Bit 1-7	Not used
3	AHSY Index 520	Bit 0-5	Not used
		Bit 6	When C/I → C/I, RC bits are cleared/not cleared. 0/1 = Cleared/Not cleared (Assign "1".)
		Bit 7	Not used

C-32 Calling Station Number Display

General Description

This feature provides hospitality service stations (restaurant, valet, room service, etc.) and guest stations with a display of incoming calling number (guest, administration, outgoing, or incoming trunk). This display flashes while the call is ringing, then appears steadily when the call is answered. Desktop terminals may be used for service stations.

Operating Procedure

1. An incoming call to the Prime Line automatically activates the Calling Station Number Display.
2. If a call terminates to another line appearing on the Desktop terminal, press the ringing line button. The hospitality service station LCD will display the following.

(Time and Date)	RMO XXXX
	>>>

- OR -

(Time and Date)	RMS XXXX
	>>>

- OR -

(Time and Date)	ADM XXXX
	>>>

- OR -

HH:MM DDD	
(Time and Date)	
	>>>

HH:MM indicates lapsed time,
DDD indicates trunk type (1-3 digits)

The guest room station LCD will display

(Time and Date)	ADM XXXX
	>>>

- OR -

(Time and Date)	OPR
	>>>

- OR -

(Time and Date)	DDD X
	>>>

- OR -

HH:MM FX (Time and Date)	X
	>>>

- OR -

HH:MM WATS (Time and Date)	X
	>>>

- OR -

HH:MM TIE (Time and Date)	X
	>>>

- OR -

HH:MM CCSA (Time and Date)	X
	>>>

3. Lift handset and answer the call. The display stops flashing.

Service Conditions

1. When a call terminates to a line other than the prime line, the LCD displays the incoming station as determined by Line Preselection -D [L-9D].
2. Line Preselection -D [L-9D] is governed by a timer. After the timer times out, the display returns to Time Display -D [T-18D].
3. The display will show either RMO (Room Out) and the station number, or RMS (Room Stay) and the station number when connected to a guest station, depending on the data sent from PMS. The display will show Administration (ADM) when connected to any station other than a guest station.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 78	Bit 0	Calling and intermediate station number indication (Desktop terminal and console) 0/1 = Out/In service (always assign "1".)
		Bit 1	Kind of service class indication (Desktop terminal) 0/1 = Out/In service (always assign "1".)
		Bit 2	Not used
		Bit 3	
		Bit 4	Fixed "0"
		Bit 5	Name Display Service 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	

<When using more than two nodes for Hotel System>

STEP	CMND	EXPLANATION
2	ARTD	Route Class data of Hotel Services in CCIS H/M (CDN: 17)=1 Note: This data must be assigned to "1" to show the RMO, RMS, and ADM displays when calling between two nodes of CCIS network for Hotel system. Note: To change the data for existing route (RT), initialize the circuit card.

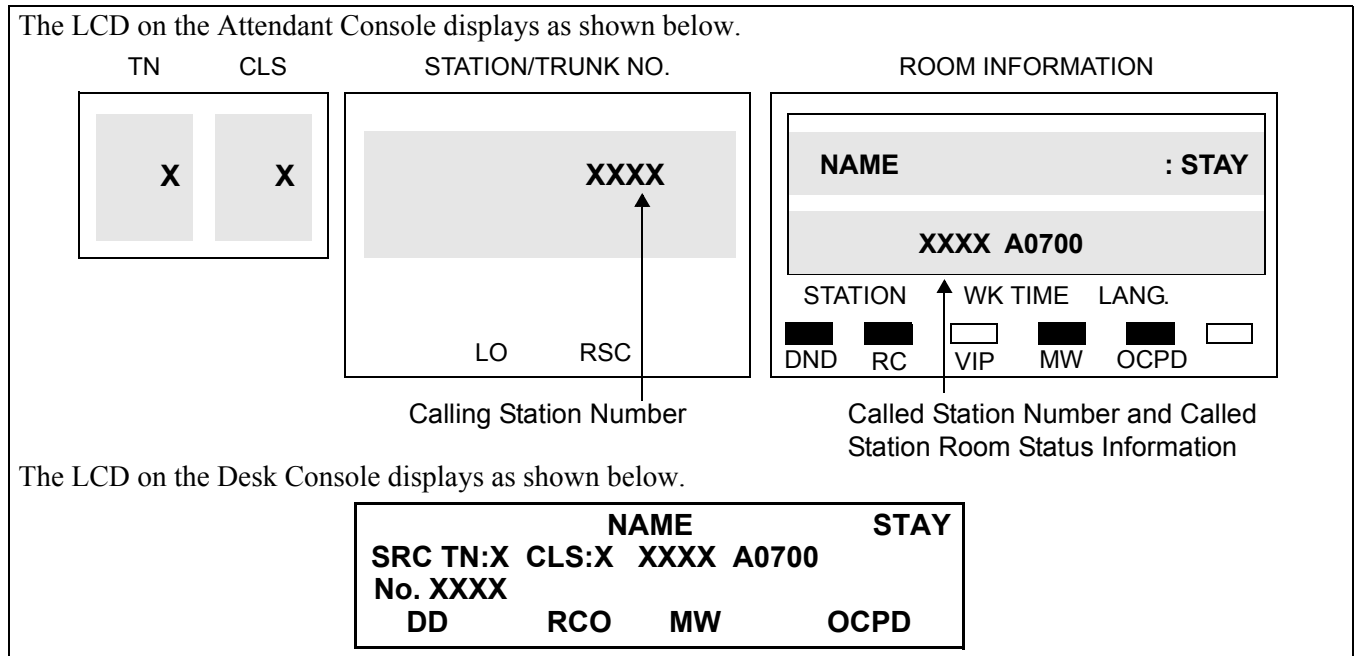
C-71

Called Number Display - Hotel Attendant Console

General Description

If a call is transferred to the console as a result of Do Not Disturb [D-11], Call Forwarding - All Calls [C-5], Call Forwarding - Busy Line [C-2], Call Forwarding - Don't Answer [C-3], and Call Forwarding - Intercept/Announcement [C-25], information pertaining to that station is displayed on the console. The attendant and Desk Console displays are shown below.

Display Area of Attendant Console and Desk Console



Operating Procedure

1. The attendant answers an incoming call. The DEST Lamp lights, and the called station number is displayed.
2. The attendant presses the SRC key. The DEST Lamp goes off, and the SRC Lamp lights. Either the calling party's station number or the route/trunk number is displayed.

Service Conditions

1. This feature is effective when a station-to-station call or a DID call has been routed to an console as a result of Do Not Disturb [D-11], Call Forwarding - All Calls [C-5], Call Forwarding - Busy Line [C-2], Call Forwarding - Don't Answer [C-3], or Call Forwarding - Intercept/Announcement [C-25], and is answered by the Attendant.
2. If the attendant presses the SRC key while the called station number is displayed, the display changes to the number of the calling party. The called station number cannot be displayed again.

C-71 Called Number Display - Hotel Attendant Console

3. While the called station number is displayed, the attendant can transfer the call to a desired station by keying the destination number on the keypad. In this case, the called station number of that call cannot be displayed again.
4. While the called station number is displayed, the attendant can place the call on hold by pressing the HOLD key.
5. While the called station number is displayed, the attendant can set CALL PARK [C-29] service. The called station number cannot be displayed again.
6. The attendant can override the busy guest station by pressing the associated Loop key or TKSL key. The called number and the associated station/route number are displayed on the console.

CONNECTION	OVERRIDDEN PARTY	CONSOLE KEY USED	CONSOLE DISPLAY	
			STATION TRUNK NUMBER AREA	ROOM INFORMATION AREA
Station A - Station B	Station A	LOOP	Station B Number	Station A Name and Information
Station A - Trunk A	Station A	LOOP	Trunk A Number	Station A Name and Information
Station A - Trunk A	Trunk A	TKSL	Trunk A Number	Station A Name and Information

Note: This service is activated, depending on the hotel system parameters.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 70	Bit 0	Called Number Display when Call Forwarding to console 0/1 = Out/In service
		Bit 1	Flashing display of line lockout on Console BLF 0/1 = In/Out of service
		Bit 2	Route number display on console
		Bit 3	Bit 3 0 Bit 2 0: TNRTTRK Bit 3 0 Bit 2 1: RTTRK
		Bit 4	One digit dialing instead of SHF (DP TEL only) 0/1 = Not required/Required Note: For hooking, dial any number while talking on the phone. However, 1 is recommended.
		Bit 5	Priority order for answering via ANSWER key 0 = Priority according to type of call 1 = Priority according to the order call termination
		Bit 6	Announcement trunks used for Delay Announcement - UCD service 0/1 = Common/Per UCD group
		Bit 7	Send Warning Tone to interrupted parties when Executive Right-of-Way service in operation. 0/1 = Required/Not required

C-71 Called Number Display - Hotel Attendant Console

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 78	Bit 0	Calling and intermediate station number indication (Desktop terminal and console) 0/1 = Out/In service (always assign “1”).
		Bit 1	Kind of service class indication (Desktop terminal) 0/1 = Out/In service (always assign “1”).
		Bit 2	Not used
		Bit 3	
		Bit 4	Fixed “0”
		Bit 5	Name Display Service 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	
3	AHSY Index 110	Bit 0	Room key interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Hotel - ATT Guest Information Service 0/1 = Not required/Required
		Bit 2	Not used
		Bit 3	Called Number Display on the Hotel Console 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D/PMS Terminal 0/1 = Out/In service

C-72 Connecting Room Service

General Description

This feature allows the PMS to connect two rooms on a temporary basis to act as one room. One room will act as the primary room and the other to act as a secondary room. If suite rooms are to be connected, the primary station in the suite room arrangement is used for connecting room purposes.

Operating Procedure

Connecting Room Service assignment is made through the PMS terminal.

Service Conditions

1. Dialing the primary room phone number rings both primary and secondary room phones. Dialing the secondary room phone number rings the secondary phone only.
2. The primary station can originate a call when the secondary station is in use, and vice versa.
3. Only two rooms may be connected. If Suite Rooms are connected, then up to eight stations may be connected.
4. When Suite Rooms or Double Suite Rooms are connected, ringing can be set to be sent to only two stations per suite room. Refer to Suite Room Service [S-75] for the detail.
5. Primary suite room numbers are assigned when suite rooms are connected. The status of all eight stations appears on the DSS Lamps when the console calls the connected suite rooms, if such status indicators are assigned through system data.
6. This feature essentially provides for suite room service on a temporary basis for answering incoming calls. Check-In/Checkout [C-23], Maid Status [M-22], Message Waiting [M-6], Automatic Wake-Up [A-10/A-27] **Note 1**, Do Not Disturb [D-11] and Room Cutoff [R-9] must be set or reset independently for each room. **Note 2**

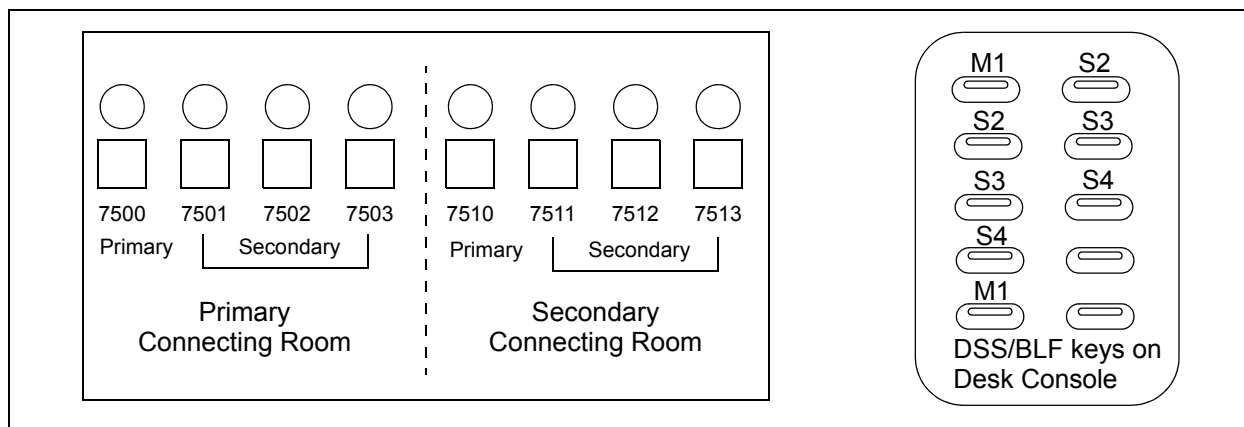
Note 1: Automatic Wake-Up [A-10/A-27] cannot be set through PMS for secondary room.

Note 2: When AHSY, Index 111, Bit 6=1, the above features can be set or reset for primary room only.

7. PMS message registration (billing) must be done separately for connecting rooms.
8. When Connecting Room Service is cancelled by the PMS terminal, the other hospitality statuses remain unchanged. Connecting Room Service is automatically cancelled when PMS declares the status of these rooms as either vacant or out of order.
9. Connecting Room Service is also cancelled when Maid Status [M-22] sets the room or primary rooms ready to sell or out of order. It is also cancelled when primary room or both rooms are checked out (Check-In/Checkout [C-23]).
10. The CALLING STATION NUMBER DISPLAY [C-32] will display at either the primary or secondary connecting room. In the case of connecting suite rooms, the display will be either the primary suite room or the secondary suite room, depending on number dialed. For Connecting Room Service, the station number dialed will display regardless of the answering station.
11. There is no limit to the number of connecting room arrangements within Telephony Server.

12. Three processing alternatives are available if the primary station in the connecting room is busy.
 - a.) The caller hears Busy Tone.
 - b.) The call is transferred to the console.
 - c.) The call rings an idle station.
13. When the DND override feature is used for a secondary room, room status displays secondary room information with the primary room number.
14. When the console dials the primary station, the DSS keys and Lamps are used in the operation. The status of the connecting room phones appear on the DSS Lamps. Ringing is generated at the connecting room phones when the first DSS key is pressed or the START key is pressed. If a secondary phone DSS key is pressed, only the corresponding secondary phone will ring. The DSS Lamp on a busy connecting room station will flash. The DSS Lamp on an idle connecting room phone will show solid.

Console Lamps Used for Connecting Suites



15. Ringing cycles are controlled by the LC card. If suite rooms are not serviced by a common LC card, ring will not be synchronized.
16. If digital remote units are used for connecting stations, ringing will be random and will not be synchronized.
17. A guest station in another node may not be assigned as Connecting Room for this service.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	ASYD System Data 1 Index 161	Bit 0	Do Not Disturb Override key on console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	DSS (Direct Station Section) keys on console 0/1 = Ineffective/Effective
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective
2	AHSY Index 111	Bit 0	Fixed Data
		Bit 1	
		Bit 2	Not used
		Bit 3	Setting of message registration (Billing) data to be sent out to the PMS (effective when Index 111, Bit 6=1)
		Bit 4	Bit 4 Bit 3 0 0 =The pilot number is sent out in the case of Suite Room. The main room station number is sent out in the case of connecting room. 0 1 =The station number of each station within the room is sent out.
		Bit 5	Not used
		Bit 6	Connecting room PMS interface 0/1=Primary Room and Secondary room/Primary room only
		Bit 7	Connecting room 0/1 = Out/In service
3	AHSY Index 185	Bit 0	Not used
		Bit 1	Suite room/Connecting room status display 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	

C-72 Connecting Room Service

STEP	CMND	BIT	EXPLANATION
4	AHSY Index 188	Bit 0	Processing for suite room station/connecting room station busy Bit 1 Bit 0 0 0 =Busy Tone 0 1 =An idle station within the room is called 1 0 =The call is transferred to the console if the caller is not the console operator.
		Bit 1	
		Bit 2	
		Bit 3	Fixed Data
		Bit 4	Not used
		Bit 5	When a call terminates to the Double Suite Room 0 = All stations ring simultaneously 1 = Alternately between Primary Suite and Secondary Suite
		Bit 6	Fixed Data
		Bit 7	Suite Room in service 0/1 = Out/In service
5	AHSY Index 189	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Suite Room individual station calling 0 = A Suite room individual station can be called from a guest station, administration station, and console. 1 = A Suite Room individual station can be called from the Special Administration station and Console.
		Bit 6	Ringling at time of general calling in the connecting room or suite room stations 0 = Ringling all stations 1 = Ringling the station in the main room for the connecting room. Ringling the primary station for a Suite Room Note 3 Note 3: Only available when all the secondary stations are analog terminals. When secondary stations include a Desktop terminal, assign AHSY, Index 68, Bit 4=0 to allow only the primary station to ring in a suite room.
		Bit 7	Number to be dialed for a general calling of the stations in the suite room 0 = Primary station number or pilot (phantom) number 1 = Only pilot (phantom) number

C-147

Call Information Display

General Description

This feature allows the following information to be displayed on the guest room Desktop terminals. Desktop terminals may be used for guest stations.

Calling/Called Station	
Automatic Wake-Up	[A-10/A-27]
Alert Service	[A-57]
Do Not Disturb -D	[D-11D]
Direct Data Entry - Station	[D-107]
Message Waiting	[M-6]
Maid Status	[M-22]
Room Cutoff	[R-9]
2nd Wake-Up Call - Same Guest Station	[S-128]

Operating Procedure

Calling/called station display

- a.) During a call with another guest station in progress

(Time and Date)	XXXX >>>

- b.) During a call with administration station in progress

(Time and Date)	ADM XXXX >>>

A 6 digit station displays as AMXXXXXX

- c.) During a call with the Console in progress

(Time and Date)	OPR >>>

- d.) During a call through Central Office in progress

HH:MM DDD (Time and Date)	X >>>

HH:MM indicates lapsed time,
X indicates trunk type (1-3 digits)

- OR -

HH:MM FX (Time and Date)	X >>>

- OR -

HH:MM WATS (Time and Date)	X >>>

e.) During a call through Tie line in progress

HH:MM TIE (Time and Date)	X >>>

- OR -

HH:MM CCSA (Time and Date)	X >>>

For other display services, see each hotel service feature description.

Service Conditions

1. When the guest name two-line display is provided by the system parameters, the time display (lower line) disappears during a call.
2. When originating a call using the ISDN terminal, the charging information is not displayed.

Assignment Procedure

STEP	CMND	EXPLANATION
1	AGST	Assign guest station data (hotel system) TEC = 12/18, Room Class = 15 (guest station)
2	AHSY Index 77	Assign Hotel System Parameters
		Bit 0 LCD indication of Wake Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 1 LCD indication of Do Not Disturb (DD) on the Desktop terminal 0/1 = -/Remains lit
		Bit 2 LCD indication of Room Cutoff (RC) on the Desktop terminal 0/1 = -/Remains lit
		Bit 3 LCD indication of 2nd Wake-Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 4 Bit 7 Not used.
STEP	CMND	EXPLANATION
3	AKYD	Assign Desktop terminal Key data Feature key Wake-Up Set [87] Feature key Room Cutoff Set [91] Feature key Do Not Disturb Set [89] Feature key Message Waiting Set [93]

Related Commands: AGCL, AGSL

C-200 Calling/Called Party Number Protection

General Description

This service allows the system to eliminate the calling party number for the incoming call to the guest station, the incoming call history on the guest station, and the destination number for the outgoing call from the guest station. This service enables occupation on hotel service to protect privacy.

Note: In the former system, calling party number is displayed on the Desktop terminal LCD when a call is terminated. For Desktop terminal equipped with the function of incoming call history display (such as Dterm Series *i*), calling party number remains in the call history. LCD also displays destination number when originating a call from the Desktop terminal.

Operating Procedure

None

Service Conditions

1. This service is available only when Digital terminals, IP terminals, SIP Multiple Line terminals are used as the guest station.
2. This service is available only for Station-to-Station Calling [S-11] connection.
3. Outgoing call history and redialed number will not be eliminated by this service. However, they will be eliminated when Guest Station Call Record Automatic Clear [G-27] is activated.
4. Station number is not displayed when Name Display - System [N-28] is activated.
5. This service is not activated for the guest station to which Call History [C-195] is set.
6. This service and Call History [C-195] cannot be used on the guest station at the same time.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 532	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Calling/Called Party Number Protection 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	

D-11

Do Not Disturb

General Description

This feature allows the console, PMS terminal, front desk terminal, Special Administration station, guest station or guest room Desktop terminal to temporarily place individual stations into a mode that blocks incoming calls. Outgoing calls may still be placed from stations in Do Not Disturb (DND) mode.

Operating Procedure

To set Do Not Disturb from the console or front desk terminal

1. Press the DND (set) key. The associated lamp lights.
2. Dial the station number. The console displays the station number.
3. Press the ENTER key. The lamp flashes to confirm that DND is set.
4. Press the EXIT key. The lamp and station display are extinguished.

To cancel Do Not Disturb from the Console or front desk terminal

1. Press the DND (reset) Key. The associated lamp lights.
2. Dial the station number. The console displays the station number.
3. Press the ENTER key. The lamp flashes to confirm that DND cancellation.
4. Press the EXIT key. The lamp and station display are extinguished.

To set Do Not Disturb from Special Administration station

1. Lift handset or press the SPEAKER key. Receive Dial Tone.
2. Dial enhanced Do Not Disturb access code (if ID code is required, dial ID code upon receiving Second Dial Tone). Receive Special Tone.
3. Dial the station number. Receive Service Set Tone.
4. Repeat Step 3 for as many guest rooms as required.

To cancel Do Not Disturb from Special Administration station

1. Lift handset or press the SPEAKER key. Receive Dial Tone.
2. Dial enhanced Do Not Disturb cancel code (if ID code is required, dial ID code upon receiving Second Dial Tone). Receive Special Dial Tone.
3. Dial the station number. Receive Confirmation Tone.

To set Do Not Disturb from guest stations

1. Lift handset. Receive Dial Tone.
2. Dial the DND set code. Receive Service Set Tone.
3. Hang up.

To cancel Do Not Disturb from guest stations

1. Lift handset. Receive Dial Tone.
2. Dial the DND cancel code. Receive Service Set Tone.
3. Hang up.

Note: To obtain a printout of stations in the Do Not Disturb state, refer to the Audit Reports [A-26] feature description.

Note: When using a console or front desk terminal, if an error is made in the course of key operations, press the CLEAR key and continue from Step 2 (station dialing). When setting or canceling Do Not Disturb for two or more stations at the same time, follow the above operating procedure for the first station. Perform Steps 2 and 3 for the remaining stations, then Step 4 to exit from the service mode.
Direct Service Set/Reset [D-25] is also available for this feature.

<The following procedures are applied for Desktop terminals only.>

To set Do Not Disturb from guest room Desktop terminal

1. Lift handset or press the SPEAKER key. Receive Dial Tone.
2. Dial the DND set code. Receive Service Set Tone. The LCD displays the following.

DD SET (Time and Date) >>>

3. Hang up. If the Do Not Disturb steady display is available by system data, the following will be displayed.

DD (Time and Date) >>>

To cancel Do Not Disturb from guest room Desktop terminal

1. Lift handset or press the SPEAKER key. Receive Dial Tone.
2. Dial the DND cancel code. Receive Service Set Tone. The LCD displays the following.

DD CNCL (Time and Date) >>>

3. Hang up.

Note: To get a printout of stations in Do Not Disturb state, refer to the Audit Reports [A-26] feature description.

Service Conditions

1. Setting and canceling of Do Not Disturb is performed by key operations at the Console, PMS terminal, guest station, Special Administration station, front desk terminal or guest room Desktop terminal.
2. An incoming call to a station in Do Not Disturb mode is routed to a Reorder Tone connection, a “Do Not Disturb” announcement, or the Console, depending on the system data.
3. After the guest has checked out (Check-In/Checkout [C-23]), Do Not Disturb information is automatically cleared.
4. A station in Do Not Disturb mode will be rung for Automatic Wake-Up [A-10/A-27] service or for Alert Service [A-57].
5. If a call to a station in Do Not Disturb mode is routed to the Console, the Attendant may be able to connect both stations for temporary service cancellation by pressing the DND OVER key. This aspect of the Do Not Disturb feature is programmable into system data.
6. Do Not Disturb is provided for guest room stations only.
7. When a station in a suite sets Do Not Disturb, all stations in that suite are placed in the DND mode.

D-11 Do Not Disturb

8. Station in DND mode can receive calls from specific trunk routes or stations through system data assignment.
9. Guest “Boss” and “Secretary” rooms override DND mode for calls between assigned stations.
10. When setting Do Not Disturb from the Special Administration station, no check is made to see if dialed station is in Do Not Disturb mode or not. Subsequent Do Not Disturb set/cancel is accepted.
11. Do Not Disturb set by the Special Administration station can be canceled by guest station, and vice versa.
12. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

<The following conditions are applied for Desktop terminals only.>

1. This feature and Do Not Disturb -D in Business Feature are activated respectively. Do Not Disturb -D in Business feature cannot provide DND Override Feature.
2. For the conditions of the LCD display when several services are set at the same time, see Service Conditions of Automatic Wake-Up [A-10/A-27].

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel feature required (fixed data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Attendant Console (Refer to Key Arrangement for Hotel Attendant Console) (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest and administration stations 0/1 = Separate/Common
		Bit 7	Fixed “0”
2	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Direct Station Section (DSS) key on console 0/1 = Ineffective/Effective
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective

D-11 Do Not Disturb

STEP	CMND	BIT	EXPLANATION								
3	System Data 1 ASYD Index 162	Bit 0	Destination of connection when a connection between guest stations is restricted. Bit 1 Bit 0 Bit 1 Bit 0								
		Bit 1	0 0 = ROT 1 0 = Announcement 0 1 = ATT 1 1 = -								
		Bit 2	Destination of connection when Room Cutoff is assigned.								
		Bit 3	Bit 3 Bit 2 Bit 3 Bit 2 0 0 = ROT 1 0 = Announcement 0 1 = ATT 1 1 = -								
		Bit 4	Assignment of destination for Do Not Disturb.								
		Bit 5	Bit 5 Bit 4 Bit 5 Bit 4 0 0 = ROT 1 0 = Announcement 0 1 = ATT 1 1 = -								
		Bit 6	Tone to be given when a Wake-Up call is answered.								
		Bit 7	Bit 7 Bit 6 Bit 7 Bit 6 0 0 = Music-on-Hold 1 0 = - 0 1 = Announcement 1 1 = -								
4	System Data 1 ASYD Index 170	Bit 0	Room status data (Bit 2, Bit 1, Bit 0) to be set at the time of Checkout Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0 0 0 0 = - 0 1 0 =Cleaned 0 0 1 = To be Cleaned 0 1 1 = Ready for Occupancy								
		Bit 1									
		Bit 2	Note: Do not assign other data.								
		Bit 3	Assignment of restriction method in Do Not Disturb Status 0/1 = Restricted/Restriction method according to RSC Note: If unconditional restriction is set as per the outgoing restriction and incoming restriction information, or if outgoing restriction and incoming restriction are set to guest stations, the present Route Restriction Class is temporarily replaced with RSC 13-15, and whether restriction is executed or not is selected from the Restriction Table. <table><tr><th>ROUTE RESTRICTION CLASS (RSC)</th><th>CONDITION</th></tr><tr><td>13</td><td>Room Cutoff</td></tr><tr><td>14</td><td>Do Not Disturb</td></tr><tr><td>15</td><td>Room Cutoff and Do Not Disturb</td></tr></table>	ROUTE RESTRICTION CLASS (RSC)	CONDITION	13	Room Cutoff	14	Do Not Disturb	15	Room Cutoff and Do Not Disturb
		ROUTE RESTRICTION CLASS (RSC)	CONDITION								
		13	Room Cutoff								
		14	Do Not Disturb								
		15	Room Cutoff and Do Not Disturb								
		Bit 4	Timing Start 0/1 = Not required/Required								
Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (Goes to ATTCN)										
Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change Table (ADNR) 1 = By the Night key of the ATT										
Bit 7	Message Registration from Hotel Processor 0/1 = Yes/No										

D-11 Do Not Disturb

STEP	CMND	BIT	EXPLANATION
5	System Data 1 ASYD Index 172	Bit 0	Message Waiting
		Bit 1	Message Registration
		Bit 2	Do Not Disturb, Room Cutoff
		Bit 3	Room Status
		Bit 4	Automatic Wake-Up, Group Announcement
		Bit 5	Room Change, Room Swap
		Bit 6	Room Data Change
		Bit 7	Not used
6	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	Message Waiting Lamp indication of “Do Not Disturb” 0/1 = Lights steadily/Flashes
		Bit 3	Message Waiting Lamp indication of “Do Not Disturb” 0/1 = Not required/Required Note: This bit must be flagged for DND to be displayed on the station's LCD.
		Bit 4	Message Waiting Lamp indication of “Message Waiting” 0/1 = Lights steadily/Flashes
		Bit 5	Message Waiting Lamp indication of “Message Waiting” 0/1 = Required/Not required
		Bit 6	2-Line Guest Name Display on a Desktop terminal 0/1 = Out/In service
		Bit 7	Not Used
7	AHSY Index 266	Bit 0	Not Used
		Bit 1	
		Bit 2	Room Cutoff and Do Not Disturb (Feature Code = 15, Function Code = 2)
		Bit 3	Not Used
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
8	AHSY Index 77 (Note 1)	Bit 0	LCD indication of Wake-Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 1	LCD indication of Do Not Disturb (DD) on the Desktop terminal 0/1 = -/Remains lit
		Bit 2	LCD indication of Room Cutoff (RC) on the Desktop terminal 0/1 = -/Remains lit
		Bit 3	LCD indication of 2nd Wake-Up time on the Desktop terminal
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	

D-11 Do Not Disturb

STEP	CMND	BIT	EXPLANATION	
9	AHSY Index 266 (Note 1)	Bit 0	Not used	
		Bit 1		
		Bit 2	Room Cutoff and Do Not Disturb (Feature Code = 15, Function Code = 2)	
		Bit 3	Not used	
		Bit 4		
		Bit 5		
		Bit 6		
		Bit 7		
Note 1: This step is only applied for Desktop terminals.				
10	AHSY Index 376	Bit 0	Not used	Text sent to PMS printout 0/1 = Not required/Required
		Bit 1	Maid Status - Guest (Feature Code = 11)	
		Bit 2	Maid Status - Administration (Feature Code = 12)	If “1” is assigned to the corresponding bit, the text is output to the hotel printer. Note: When a failure has occurred to a data link between Tele- phony Server and the PMS, the pertaining error information is printed out.
		Bit 3	Message Waiting Lamp (Feature Code = 13)	
		Bit 4	Not used	
		Bit 5	Room Cutoff and Do Not Disturb (Feature Code = 15)	
		Bit 6	Check-In/Checkout (Feature Code = 16)	
		Bit 7	Room Data Image (Feature Code = 17)	

D-11 Do Not Disturb

STEP	CMND	EXPLANATION
11	AANP or AGNP	Assigns minimum necessary number of digits for the first number of the Do Not Disturb access code.
12	AASP or AGSP	Assigns the Do Not Disturb access code For Setting: CI = N, SRV = SSC, SID = 52 For Cancelling: CI = N, SRV = SSC, SID = 53
13	ARSC	When "1" has been assigned by System data 1, Index 170, Bit 3, assign restriction data to RSC 14 and 15.
Note: Steps after ARSC are necessary only when the destination of the tone of Do Not Disturb call is designated as announcement machine.		
14	ARTD	Assign the route data of the trunk which interfaces with the announcement unit (OSGS = 2, TCL = 4 should be set). Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
15	ATRK	Assign the trunk interfacing with the announcement unit.
16	MBTK	Release the make-busy of the trunk assigned in ATRK.
17	ARSC	Release the call restrictions between the RSC of the station accessing the announcement unit and the route of the trunk assigned in ATRK (at RRI = 2, 3).
18	AAED /AAEDL Note 3	Assign the data to the announcement unit number and the route data, etc. assigned in ATRK. EQP = 21, C = ☐, R = ☐, A = ☐ M = ☐, RT = ☐, TK = ☐ Note 2 C = connection time: disconnected in 30 seconds/connected until caller releases the station. (= 0/1) R = RBT transmission: RBT transmission/No RBT transmission. (= 0/1) A = Call is answered directly/call is extended to an answering device. (= 0/1) M = Multiple Connection: single connection/multiple connection. (= 0/1) Note 2: Assign the TK, only when M = 1. Note 3: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.
19	AKYD	For FDT FKY = 89: Do Not Disturb Set (DDS) FKY = 90: Do Not Disturb Reset (DDR) Note: For more information on FDT, refer to Hotel Functions -D [D-105D].
20	ASCR	Assign RSC restriction for calling phones to called phones. Note: ASCR programming only required when ASYD, System Data 1, Index 170, Bit 3 is assigned.

D-15 Day/Night Class of Service

General Description

This feature permits all stations within a tenant to alternate between two different Class of Service - Individual [C-15] options, one for day mode and another for night mode. System data can be programmed so that once the Attendant Console [A-3] has entered the Night Connection [N-1, 2] mode, a station's Class of Service - Individual [C-15] will be automatically changed as required. Class may be upgraded or downgraded, and trunk groups normally controlled by the Console in Day mode may be opened to station control in Night mode.

For hotel software, day/night Route Restriction Class change may be controlled using Time Of Day programming via PCPro. The Console will operate in Day mode, but stations will operate under Night mode restriction tables.

Operating Procedure

1. This feature is controlled via the Attendant Console [A-3]. Pressing the Night key or removing the handset enters the tenant/system into night mode and changes service class. Releasing the Night key or replacing the handset restores normal Class of Service - Individual [C-15].
2. If the Time Of Day change is used once programming is set via PCPro, no further operation is required.

Service Conditions

1. Day/Night Class of Service can be assigned on a per Tenant Service [T-12] and per station basis.
2. Day/Night Class of Service can be assigned to different trunk restriction and service restriction.
3. Refer to Class of Service - Individual [C-15] in Data Programming Manual - Business for further details.
4. Night mode restriction class can be set at any time by entering the related command on PCPro.
5. When Tenant Service [T-12] is provided with Multiple Console Operation [M-4], the system can be programmed for either "all Attendant Consoles" or "Primary Attendant Console" to control activation of Day/Night Class of Service.
6. For service and tenant restriction class changes, the Console must be placed into the night mode.
7. This service feature allows transfer of an incoming call to a different destination during either day or night. Transfer and connection to the different destination is determined by the business hours of the respective guest service station and the special number assigned to the group number in the night function.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION																									
1	System Data 1 ASYD Index 75	Bit 0	Route restriction class data (ARSC/ARSCN command) 0/1 = Common/Separate																									
		Bit 1	Service feature restriction class data (ASFC/ASFCN command) 0/1 = Common/Separate																									
		Bit 2	Tenant restriction data (ATNR command) 0/1 = Common/Separate																									
		Bit 3	Toll Code restriction data (ATDP/ATDPL/ATDPN command) 0/1 = Common/Separate																									
		Bit 4	EPN facility restriction data (AEFR/AFERN command)																									
		Bit 5	Change digit code for dial In service Data (ACDD/ACDDN command) 0/1 = Common/Separate																									
		Bit 6	Special access code for floor data (ASPF command) (for Hotel System) 0/1 = Common/Separate																									
		Bit 7	Station-to-Station connection restriction data (ASCR and ATCR commands (for Hotel System) 0/1 = Common/Separate																									
			Table development: common or separate day/night data tables. Note: When data table are designated as “Common”, the Day mode designation must be used in the respective commands.																									
2	System Data 1 ASYD Index 170	Bit 0	Room status data (Bit 2, Bit 1, Bit 0) to be set at the time of Checkout																									
		Bit 1																										
		Bit 2																										
		<table><tr><td>Bit 2</td><td>Bit 1</td><td>Bit 0</td><td></td><td>Bit 2</td><td>Bit 1</td><td>Bit 0</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>0</td><td>1</td><td>0</td><td>=Cleaned</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= To be Cleaned</td><td>0</td><td>1</td><td>1</td><td>=Ready for</td></tr></table> Note: Do not assign other data.			Bit 2	Bit 1	Bit 0		Bit 2	Bit 1	Bit 0		0	0	0	= -	0	1	0	=Cleaned	0	0	1	= To be Cleaned	0	1	1	=Ready for
		Bit 2	Bit 1	Bit 0		Bit 2	Bit 1	Bit 0																				
		0	0	0	= -	0	1	0	=Cleaned																			
		0	0	1	= To be Cleaned	0	1	1	=Ready for																			
		Bit 3	Restriction at the time of Do Not Disturb and Room Cutoff 0/1 = Room Status Memory/Change of RSC Note: Room Cutoff (RSC 13) Do Not Disturb (RSC 14) Room Cutoff and Do Not Disturb (RSC 15)																									
		Bit 4	Timing Start 0/1 = Not required/Required																									
Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (goes to ATTCON)																											
Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change table (ADNR) 1 = By Night key of the ATT																											
Bit 7	Message Registration from Hotel Processor 0/1: Yes/No																											

Table development:
common or separate day/
night data tables.

Note: When data table
are designated as
"Common", the
Day mode design-
ation must be
used in the respec-
tive commands.

D-15 Day/Night Class of Service

STEP	CMND	EXPLANATION
3	ARSC/ ARSCN	Assign day/night data.
4	ASFC/ ASFCN	Assign day/night data.
5	ATDP/ ATDPN	Assign day/night data.
6	ATNR	Assign day/night data.
7	AEFR/ AEFRN	Assign day/night data.
8	ASPF	Assign day/night data.
9	ASCR	Assign day/night data.
10	ATCR	Assign day/night data. ATCR will override ASCR on restriction.
11	ADNR	Assign the Time for day mode and night mode, if automatic change of Route Restriction Class (RSC) is necessary.

D-25

Direct Service Set/Reset

General Description

When the Attendant responds to guest calls via the GST or ANSWER key on the Console, or when a call is answered at the front desk terminal, Direct Service is established by pressing the associated set/reset key. Station number dialing, enter and exit operations are not required. Direct Service Set/Reset is available for the following:

Automatic Wake-Up	[A-10/A-27]
Do Not Disturb	[D-11]
Message Waiting	[M-6]
Room Cutoff	[R-9]
Room Status	[R-10]

Operating Procedure

The Attendant answers an incoming guest call via the GST or ANSWER key, or the call is answered at the front desk terminal (guest information is displayed). The guest hangs up after specifying the desired services.

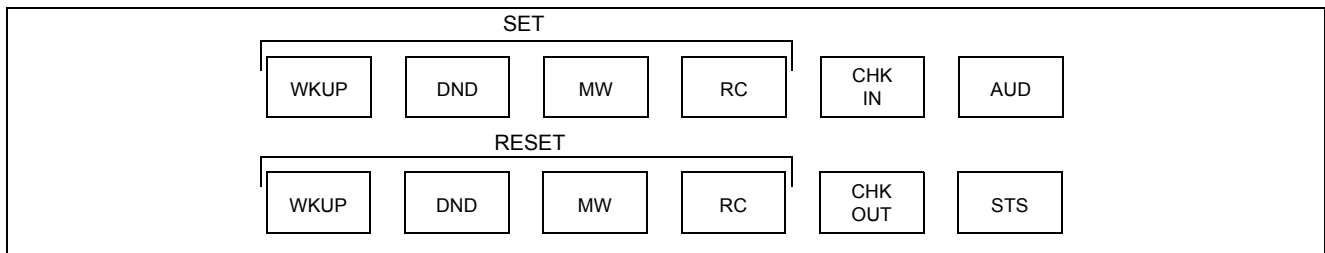
1. The attendant presses the desired Set/Reset Feature key. The associated lamp lights. **Note 1**
2. Press the CANCEL key. The connection is terminated.

Note 1: For Automatic Wake-Up [A-10/A-27], dial required time after Step 1 and press ENTER.

Service Conditions

1. SET/RESET can be established for one or all of these services simultaneously (any combination), prior to pressing the CANCEL key.
 - a.) The keys on the Attendant Console are shown in Key Pattern on the Attendant Console.

Key Pattern on the Attendant Console



- b.) The keys on the Desk Console (with hotel/motel add-on module) are shown in Key Pattern on the Desk Console.

Key Pattern on the Desk Console

WUS	DDS	RCS	MWS	CKIN	AUD
☐	☐	☐	☐	☐	☐
WUR	DDR	RCR	MWR	CKOUT	STS
☐	☐	☐	☐	☐	☐

2. Direct Service Set/Reset is available after a guest station calls the Attendant or the front desk terminal, and until the attendant presses the CANCL key. The guest station is not required to remain connected for the service to be initiated.

Assignment Procedure

Refer to “Assignment Procedure” for Do Not Disturb [D-11], Message Waiting [M-6], Automatic Wake-Up [A-10/A-27], or Room Cutoff [R-9].

D-26

Direct Station Selection

General Description

Ten Direct Station Selection (DSS) keys are provided on the Console for direct access to frequently called Administration or service stations such as restaurant, valet, maid, etc.

Operating Procedure

Press the loop and the desired DSS key to originate a call.

Service Conditions

1. A maximum of ten keys are provided for Direct Station Selection on each console.
2. DSS stations are assigned via PCPro for each console individually.
3. DSS keys cannot be used in setting Message Waiting [M-6], Do Not Disturb [D-11], Automatic Wake-Up [A-10/A-27], or similar services.
4. A maximum of 14 digits can be assigned per DSS key.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Direct Station Select (DSS) key on the console 0/1 = Out/In service
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective
STEP	CMND	EXPLANATION	
2	ADSS	Assign called station data and console key number data for each hotel console.	

D-88 Directory Assistance Interface

General Description

This feature allows the console operator to search for the station number of a guest via the PMS terminal. The console must have a PMS terminal dedicated to directory assistance. The guest's name, station number, and other information normally exchanged between the PMS and Telephony Server are entered into the PMS database at Check-In. The PMS will inform Telephony Server of the guest's station number and that number is displayed at the console. The attendant may now call that guest.

Operating Procedure

Originating calls

1. The attendant presses the Loop key.
2. The attendant enters the called party's name into the PMS terminal. The PMS terminal becomes menu-driven, executing its own programs.
3. The PMS searches its database and sends the station number to Telephony Server. Room status display comes up on the console.
4. The attendant presses the START key.

Terminating calls

1. An incoming call terminates at the console. The calling party requests to speak with a guest or administrative personnel.
2. The attendant enters the called party's name into the PMS terminal. The PMS terminal becomes menu-driven, executing its own programs.
3. The PMS searches its database and sends the station number to Telephony Server. Room status display comes up on the console.
4. The attendant presses the START key.
5. The attendant presses the RELEASE key. The calling party is connected to the called party.

Service Conditions

1. The Direct Assistance Interface (DAI) feature requires a dedicated PMS port. The PMS port used for normal text messages (Message Waiting, Check-In/Out, etc.) cannot be used for this feature. The port dedicated for DAI may also be used for the Guest Information Display feature.
2. One Direct Assistance Interface PMS port is required for up to four Consoles. Two Direct Assistance Interface PMS ports are required for five or more Consoles.
3. Each directory assistance terminal must be dedicated to a Console. This information is programmed into the PMS external computer. The ability to reassign directory assistance terminals to different Consoles is a function of the PMS Directory Assistance Program.
4. If the attendant presses the keypad, the directory assistance request is invalid.
5. The data transfer between the PMS and Telephony Server is BISYNC Protocol at only 4800 or 9600 bps. The station number must be sent to Telephony Server within 1.5 seconds of the request.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 190	Bit 0	I/O = Port designation to Host Computer Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0 0 0 0 = Port 0 0 1 1 = Port 3 0 0 1 = Port 1 1 0 0 = Port 4 0 1 0 = Port 2 1 0 1 = Port 5 1 1 0 = Port 6 1 1 1 = Port 7
		Bit 1	
		Bit 2	
		Bit 3	Not Used
		Bit 4	
		Bit 5	
		Bit 6	Transmission Protocol between Telephony Server and Host Computer Bit 7 Bit 6 Bit 7 Bit 6 0 0 = Out of Service 1 0 = BSC 0 1 = Level 2A 1 1 = Free Wheel
		Bit 7	
2	System Data 1 ASYD Index 191 Note 1	Bit 0	I/O = Port designation to Host Computer Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0 0 0 0 = Port 0 0 1 1 = Port 3 0 0 1 = Port 1 1 0 0 = Port 4 0 1 0 = Port 2 1 0 1 = Port 5 1 1 0 = Port 6 1 1 1 = Port 7
		Bit 1	
		Bit 2	
		Bit 3	Not used
		Bit 4	
		Bit 5	
		Bit 6	Transmission Protocol between Telephony Server and Host Computer Bit 7 Bit 6 Bit 7 Bit 6 0 0 = Out of Service 1 0 = BSC 0 1 = Level 2A 1 1 = Free Wheel
		Bit 7	
3	AHSY Index 110	Bit 0	Room Key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Hotel - ATT Guest Information service 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	Called Number Display on the Hotel Attendant Console 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D/PMS Terminal 0/1 = Out/In service

Note 1: Assign Index 191 when five or more PMS terminals are used and even/odd is determined by the last digit of the console number.

D-89

Direct Selection - Outside

General Description

Ten Direct Station Selection (DSS) [D-26] keys are provided on the Console for direct access to frequently called outside numbers or to emergency numbers such as fire, police, or ambulance.

Operating Procedure

To originate a call, press Loop key and the desired DSS key.

Service Conditions

1. A maximum of ten keys are provided for Direct Station Selection [D-26] on each console.
2. DSS outside numbers are assigned via PCPro for each console individually.
3. DSS keys cannot be used in setting Message Waiting [M-6], Do Not Disturb [D-11], Automatic Wake-Up [A-10/A-27], or similar services.
4. A maximum of 14 digits can be assigned per key.
5. Direct Station Selection [D-26] services remain intact.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key (DDO) on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Direct Station Section (DSS) keys 0/1 = Out/In service
		Bit 6	Timing Start using “#” code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” code 0/1 = Ineffective/Effective
STEP	CMND	EXPLANATION	
2	ADSS	Assign the called-side party to be accommodated to each DSS key. DC: Called Number = 1 - 14 digits When assigning an external line party, the Trunk access code should be included in the called number to be assigned.	

D-105D

Hotel Functions -D

General Description

This feature allows the users of 16-button or 24-button Desktop terminal to control the following services by operating programmable Line/Feature keys in the same manner as the keys of the hotel console. Fifteen programmable Line/Feature Keys are assigned to the front desk terminal to provide full hospitality functionality.

Automatic Wake-Up	[A-10/A-27] Set/Reset (WUS/WUR)
Do Not Disturb	[D-11] Set/Reset (DDS/DDR)
Room Cutoff	[R-9] Set/Reset (RCS/RCR)
Message Waiting	[M-6] Set/Reset (MWS/MWR)
Check-In/Checkout	[C-23] (C/I/C/O)
Room Status	[R-10] Display (STS)
Audit Reports	[A-26] (AUD)

The ENT (Enter), CE (Clear), and END (Exit) Feature keys are also required.

Note: The RECALL key will function as an END key.

Operating Procedure

Note: The front desk terminal may be operated either in the idle condition or connected to the guest station.

For Do Not Disturb [D-11], Room Cutoff [R-9], Check-In/Checkout [C-23]

Idle Condition

1. Press the specific feature's Set or Reset key. The LCD shows the feature abbreviation.
2. Enter the guest station number.
3. Press the ENT key.
4. Press the END key.
5. Press the CE key to clear an entry such as a wrong station number.

Connected to a guest station (Direct Service Set/Reset [D-25])

1. Press the specific feature's Set or Reset key. The LCD shows the feature abbreviation.
2. Press the ENT key.
3. Press the END key.

For Automatic Wake-Up [A-10/A-27]

Idle Condition

1. Press the WUS or WUR key. The LCD shows the feature abbreviation.
2. Enter the Wake-Up time in 24-hour time. (See Automatic Wake-Up [A-10/A-27] for enhanced 12-hour time entry.)
3. Enter the guest station number.
4. Press the ENT key.
5. Press the END key.
6. Press the CE key to clear an entry such as a wrong station number.

Connected to a guest station

1. Press the WUS or WUR key. The LCD shows the feature abbreviation.
2. Enter the Wake-Up time in 24-hour time. (See Automatic Wake-Up [A-10/A-27] for enhanced 12-hour time entry).
3. Press the ENT key.
4. Press the END key.
5. Press the CE key to clear an entry such as a wrong station number.

For Room Status [R-10]

Idle Condition

1. Press the STS key. The LCD shows the feature abbreviation.
2. Enter the guest station number.
3. Press the ENT key. The Message Waiting [M-6] set, Check-In/Checkout [C-23] set, Do Not Disturb [D-11] set, Room Cutoff [R-9] set LEDs will light if these services have been set to the guest station. If Wake-Up has been set, the time will appear on the LCD. The display shows a.m. or p.m. as either an "A" or a "P" before the time.

Connected to a guest station

1. Press the STS key. The LCD shows the feature abbreviation.
2. Press the ENT key. The Message Waiting [M-6] set, Check-In/Checkout [C-23] set, Do Not Disturb [D-11] set, Room Cutoff [R-9] set LEDs light if these services have been set for the guest station. If Wake-Up has been set, the time appears on the LCD. The display shows a.m. or p.m. as either an "A" or a "P" before the time. ("STATUS" is always displayed when any service is set.)

For Audit Reports [A-26]

Idle Condition only

1. Press the AUD key. The LCD shows the feature abbreviation.
2. Press the STS key.
3. Dial the desired audit code. See Audit Reports [A-26].
4. Press the ENT key. The Audit Report will be printed out on the hotel printer.

Example of 16-Button Dterm on a Front Desk Console

STY HHMM (Time and Date) XXXX >>>			
WUS	WUR	DDS	DDR
☐	☐	☐	☐
RCS	RCR	MWS	MWR
☐	☐	☐	☐
My Line	C/I	C/O	STS
☐	☐	☐	☐
AUD	ENT	CE	END
☐	☐	☐	☐

Service Conditions

1. A maximum of 32 front desk terminals per Module Group (MG) may be assigned.
2. 16-button or 24-button Desktop terminals will be used as a front desk terminal.
3. Only Special Administration stations may be front desk terminals.
4. Message Waiting [M-6] set from a front desk terminal can only be reset from:
 - Front desk terminal, PMS Terminal, or Console (Model 60 PMS).
 - Front desk terminal or PMS Terminal (Model 90, 120 PMS).
5. During hospitality feature activation, performing any of the following actions will result in the release of hospitality service setting:
 - a.) Using Speed Calling - One Touch [S-26D].
 - b.) Pressing the RECALL key.
 - c.) Pressing the TRANSFER key.
 - d.) Pressing the SPEAKER key.
 - e.) Pressing the HOLD key.
 - f.) Pressing a Multi-line Appearance key.
 - g.) Lifting the handset off-hook, if it is in idle mode.
6. The service feature abbreviations shown on the 16-button or 24-button Desktop terminal LCD are shown in the following table:

Standard Service Abbreviations on Desktop terminal

Feature	Set/Activate	Reset
Audit Reports [A-26]	AUD	-
Automatic Wake-Up [A-10/A-27]	WUS	WUR
Check-In/Checkout [C-23]	C/I	C/O
Do Not Disturb [D-11]	DDS	DDR
Message Waiting [M-6]	MWS	MWR
Room Cutoff [R-9]	RCS	RCR
Room Status [R-10]	STS	-

Note: Expanded Multi Line Operation is not supported with Hotel related services.

Assignment Procedure

STEP	CMND	EXPLANATION		
1	AAST	Assigns Special Administration station. TEC = 12		
2	ASFC	Assigns SFC of Special Administration station. [SFI 45]		
3	AKYD	Assigns key data of Desktop terminal		
		Key	Description	FKY No.
		WUS	Wake up Set	87
		WUR	Wake up Reset	88
		DDS	Do Not Disturb Set	89
		DDR	Do Not Disturb Reset	90
		RCS	Room Cutoff Set	91
		RCR	Room Cutoff Reset	92
		MWS	Message Waiting Set	93
		MWR	Message Waiting Reset	94
		C/I	Check-In	95
		C/O	Checkout	96
		STS	Status	97
		AUD	Audit	98
		ENT	Enter	99
		CE	Clear Enter	100
		END	End	101
		Assignment of key data of ENT, CE, and END keys is mandatory.		
		Note: The RECALL key will also function as an END key.		

D-107

Direct Data Entry - Station

General Description

This feature allows a maid or other hotel personnel to enter numeric data to the Property Management System (PMS) computer, using the guest room station for entry through dial operation.

Operating Procedure

1. Lift handset or press the SPEAKER key. Hear Dial Tone.
2. Dial the Direct Data Entry access code. Hear Special Dial Tone.
3. Dial input data to the PMS computer. If another data entry is required, repeat this step. Hear Service Set Tone. **Note 1**
4. Replace the handset.

Note 1: If a Desktop terminal is used for a guest station, the LCD displays as shown below.

SET (Time and Date) >>>

Service Conditions

1. This feature is activated only through dial operation from a guest room telephone in an idle condition.
2. A maximum of 30 digits can be entered simultaneously to the PMS computer. Only the first 30 digits will be recorded.
3. If the numeric data to be sent is less than 30 digits, “#” (pound) can be used to end the digit string. (the “#” is not sent to the PMS computer.)
4. The digits 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9 can be used for the data.
5. Reorder Tone will be heard instead of Service Set Tone if the PMS does not respond within 30 seconds or sends a negative answer to Telephony Server.
6. This feature requires a Model 90 or Model 120 PMS.

Assignment Procedure

STEP	CMND	EXPLANATION
1	AANP or AGNP	Assign minimum necessary number of digits for the first number of the Direct Data Entry - Station access code.
2	AASP or AGSP	Assign the Direct Data Entry - Station access code. (SRV = SSC, SID = 36, STATE = 44)

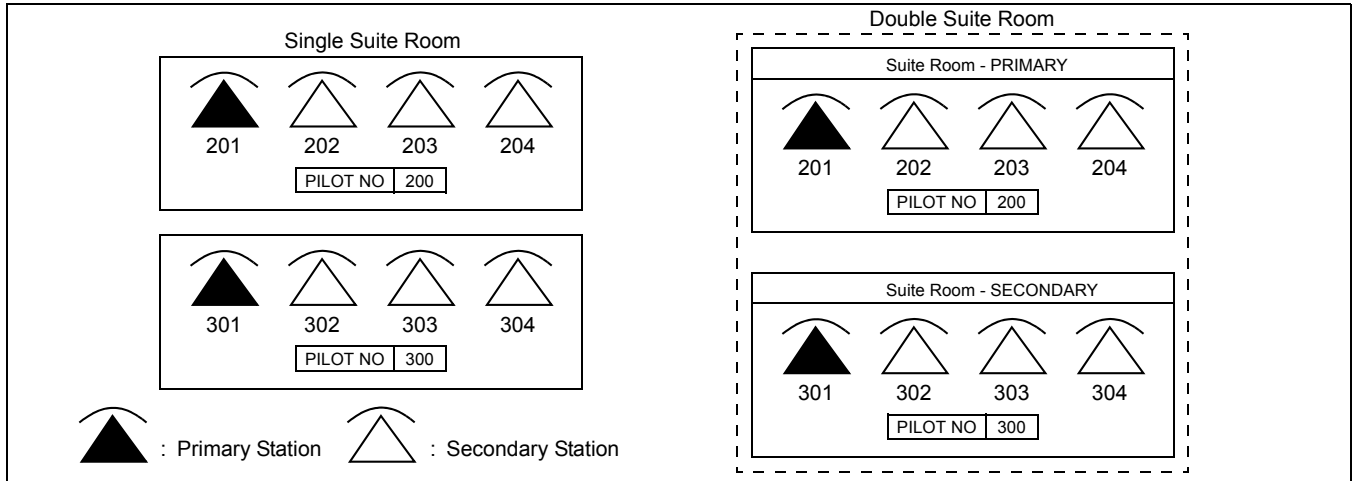
D-150

Double Suite Room

General Description

This service allows two suite rooms (single suite rooms) to be connected as a Double Suite Room. Maximum eight stations can be called simultaneously.

Example of Single/Double Suite Room



Operating Procedure

To call a double suite room

1. Lift the handset or press the SPEAKER key. Receive Dial Tone.
2. Dial the primary station number of the double suite room. The call is connected to the telephone that answers first.

Service Conditions

1. The single suite rooms must be assigned prior to activating this service.
2. The telephone numbers assigned for the single suite room are used continuously in the double suite room. The primary station numbers of the single suite rooms will be the primary station number of the primary/secondary single suite room respectively. The primary phantom number can be assigned for both the primary/secondary single suite rooms, but the number of the primary single suite room will be the primary number of the double suite room.
3. The ways of ringing the telephones of the double suite room can be selected by the system parameters. See the following information.
 - a.) When the primary station of the primary single suite room is called, all the telephones in the double suite room ring simultaneously.
 - b.) When the primary station of the primary single suite room is called, all the telephones in the primary suite room ring simultaneously, and when the primary station of the secondary single suite room is called, all the telephones in the secondary single suite room ring simultaneously. When the called party does not answer or is busy, the other primary station (primary or secondary) will be called.
 - c.) When the individual telephone number of the double suite room is called, only that telephone rings.

4. When all the telephones of the double suite room are rung simultaneously, the call is connected to the first telephone that answers. When the call is answered, other telephones stop ringing.
5. Each of the telephones in the double suite room can originate the call independently.
6. When the stations that belong to the double suite room are accommodated in the same line circuit, the ringers ring simultaneously.
7. The message waiting lamps of the eight stations are controlled simultaneously.

Note: The message waiting lamps can be set to be restricted only on FAX lines in a suite room. Refer to Message Waiting [M-6] for the detail.

8. The number displayed on the console is the primary station number of the primary suite room, and if the phantom number is assigned, the phantom number will be displayed.
9. The interface to PMS is controlled by the primary station of the double suite room. However, the billing text will be sent for each telephone number.
10. Connecting Room Service [C-72] is not available when this service is activated.
11. When a Desktop terminal is used in the double suite room. the following conditions must be met.
 - a.) The Desktop terminal must have the my line.
 - b.) Multiple Line Operation -D [M-20D] service is available.
 - c.) The Desktop terminal should be designated as the primary station of the double suite room.
 - d.) The primary station number of the double suite room must be assigned as the my line number of the Desktop terminal.
12. When a few Desktop terminals and a few analog telephones (up to eight) are used in the double suite room and virtual lines are assigned to the Desktop terminals, following interactions apply.
 - a.) An incoming call cannot be answered by using the virtual stations (sub lines) of the double suite room.
 - b.) The maximum number of telephone circuits that can be accommodated in a double suite room is eight circuits.
 - c.) The Service Conditions of Suite Room Service [S-75] also apply to Double Suite Room.
13. When AHSY, Index188, Bit 5 is 1, Wake-up Call is effective for stations in the primary suite room. In this case, stations in the secondary suite room do not ring.
14. If the pilot number is dialed when any station in the suite room is busy, one of the following will result depending on system data. **Note 1**
 - a.) Idle stations in the secondary suite room is called.
 - b.) Calling party hears Busy Tone.
 - c.) Transferred to Attendant Console.

Note 1: Line lockout or make-busy stations are not included to the above definition of busy status. For example, if any line is line lockout, the calling party simply hears Busy Tone regardless of system data.

Assignment Procedure

See Suite Room Service [S-75] for initial programming.

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 111	Bit 0	Fixed Data
		Bit 1	
		Bit 2	Restriction for hooking when an outgoing central office line call has originated from a suite room 0/1 = Restriction/No Restriction
		Bit 3	Setting of message registration data to be sent out to the PMS Bit 4 Bit 3 0 0 =The pilot number is sent out for the Suite Room; the Main Room station number is sent out for the Connecting Room. 0 1 =The station number of each station within the room is sent.
		Bit 4	
		Bit 5	Fixed Data
		Bit 6	
		Bit 7	Connecting Room 0/1 = Out/In service
2	AHSY Index 186	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	Double Suite Room service 0/1 = Out/In service
3	AHSY Index 188	Bit 0	Processing for Suite Room Station/Connecting Room Station Busy Bit 1 Bit 0 0 0 = Busy Tone 0 1 = An idle station within the room is called 1 0 = The call is transferred to the Console if the caller is not the console operator.
		Bit 1	
		Bit 2	Fixed Data
		Bit 3	
		Bit 4	Not used
		Bit 5	When the call terminates to the Double Suite Room 0 = All stations ring simultaneously 1 = Alternately between Primary Suite and Secondary Suite
		Bit 6	Fixed Data
		Bit 7	Suite Room in service 0/1 = Out/In service

D-150 Double Suite Room

STEP	CMND	BIT	EXPLANATION
4	AHSY Index 189	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Calling an individual suite room station calling 0: An individual Suite Room Station can be called from a guest station, administration station, and console. 1: An individual Suite Room Station can be called from the Special Administration station and console.
		Bit 6	Ringing at the time of general calling in the Connecting Room or Suite Room Stations 0: Ringing all stations 1: Ringing the station in the main room for the Connecting Room; ringing the Primary station for a Suite Room. Note 2 Note 2: Only available when all the secondary stations are analog terminals. When secondary stations include a Desktop terminal, assign AHSY, Index 68, Bit 4=0 to allow only the primary station to ring in a suite room.
		Bit 7	Number to be dialed for general calling of the stations in the Suite Room 0: Primary station number or Pilot (Phantom) Number 1: Only Pilot (Phantom) Number
STEP	CMND	EXPLANATION	
5	AGST	Assign guest stations.	
6	AHSU	Assign the guest stations as the Suite Room Station. Parameters TN: Tenant TYPE: Suite Room Type: S = Single D = Double PHANTOM: Phantom Number M1: Primary guest station Number S2-S4: Secondary guest station Number Note: AHSU is also used to delete suite room programming.	

D-151

DND/MW Lamp Control

General Description

This service allows the Message Waiting Lamp to be controlled by setting/cancelling Do Not Disturb [D-11] service. The Message Waiting Lamp will either light or flash to distinguish which of the services (Message Waiting [M-6] or Do Not Disturb [D-11]) is being activated.

Operating Procedure

Refer to the operating procedures of Message Waiting [M-6] and Do Not Disturb [D-11].

Service Conditions

- Whether to control the Message Waiting Lamp by Do Not Disturb [D-11] or Message Waiting [M-6] service can be selected in the system.
- The Message Waiting Lamp may be controlled to light or flash for Do Not Disturb [D-11] service.
- The Message Waiting Lamp may be controlled to light or flash for Message Waiting [M-6] service.
- When the Message Waiting Lamp is controlled by both Do Not Disturb [D-11] AND Message Waiting [M-6] service, control by Message Waiting [M-6] service has priority.
- The Message Waiting Lamp control is not available during predetermined Do Not Disturb mode.
- The Message Waiting Lamp requires a PA-16LC circuit card.
- This service is available for analog stations only. For Desktop terminals, use the DD indicator instead.

Assignment Procedure

For initial programming, see Do Not Disturb [D-11] and Message Waiting [M6].

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	Message Waiting Lamp indication of "Do Not Disturb" 0/1 = Lights steadily/Flashes
		Bit 3	Message Waiting Lamp indication of "Do Not Disturb" 0/1 = Not required/Required
		Bit 4	Message Waiting Lamp indication of "Message Waiting" 0/1 = Lights steadily/Flashes
		Bit 5	Message Waiting Lamp indication of "Message Waiting" 0/1 = Required/Not required
		Bit 6	2-line guest name display on a Desktop terminal 0/1 = Out/In service
		Bit 7	Not used

E-21 Emergency Call Monitor - Attendant

General Description

Emergency Call Monitor - Attendant alerts the hospitality console operator that a guest has placed a call to an emergency service such as 911. The name and room number of the guest display on the console.

Note: This feature is only available in North America.

Operating Procedure

1. Guest dials 911. The emergency call trunk LED (Trunk Group Busy Lamp) lights.
2. The console operator presses either the Loop or TKSL key.
3. The operator dials either the trunk route and identification (TKSL key pressed), or station number (Loop key pressed) of the call to be interrupted. Console operator hears Busy Tone.
4. Console operator presses the BV key. A Two-burst Tone is sent to the interrupted parties, and the operator enters into a three-way conference with the parties. The table below shows the various information that displays on the console at this time.

WHEN THE CONSOLE OPERATOR:			THE CONSOLE DISPLAYS	
PRESS	DIALS	PRESSES	NUMBER	CHARACTER
LOOP	Station	BV	Trunk ID	Guest Name
TKSL	Trunk	BV	Trunk ID	Guest Name

5. To terminate the conference call, the console operator presses the RELEASE key.

Service Conditions

1. An external bell or buzzer can be connected to the emergency trunk through a relay to provide an audible tone to the console operator when the trunk is seized.
2. Service conditions for Attendant Override [A-7] and Busy Verification [B-3] also apply for Emergency Call Monitor - Attendant. (For details on [A-7] and [B-3] refer to the Feature Programming Manual.)
3. The system can be programmed so the hospitality console operator only needs to dial a specific code after pressing the TKSL key, instead of the trunk route and identification.
4. On outgoing trunk calls, the information on Special Service numbers may be printed (for assistance with billing). The printout shows route and trunk, the called number, the time the call originated, and the duration of the call. This feature can also be used to print out a list of 911 calls. For these calls to print on the hotel printer, Station Message Detail Recording (SMDR) [S-10] must be enabled.

Assignment Procedure

STEP	CMND	EXPLANATION
1	System Data 1 ASYD Index 9	Number of Consoles Maximum of four per PIM

E-21 Emergency Call Monitor - Attendant

STEP	CMND	BIT	EXPLANATION							
2	System Data 1 ASYD Index 15	Bit 0	Number of Trunk Group (TG) Busy Lamps on Console 0 = Out of Service 1-F = Number of Trunk Groups (1 - 10)							
		Bit 1								
		Bit 2								
		Bit 3								
		Bit 4	Not used							
		Bit 5								
		Bit 6								
		Bit 7								
3	System Data 1 ASYD Index 68	Bit 0	Operating method for busy station service (Call back, Executive Right of Way, etc.) 0/1 = SHF + access code/Last Digit + access code							
		Bit 1	Operating method for individual trunk access (ATT) service 0 = Route Number + Trunk Number 1 = central office Code (as assigned via command “ACOC”)							
		Bit 2	Ringing Signal type for TAS indicator 0/1 = Interval/Continuous							
		Bit 3	Outgoing trunk queuing (On-Hook) Automatic Cancel 0/1 = Out/In service							
		Bit 4	TKSL key on the Console (for individual trunk access service) 0/1 = Not in service/In service							
		Bit 5	Not used							
		Bit 6	Ground Button (GB) used for SHF 0/1 = Not required/Required							
		Bit 7	Outgoing call operation <table><tr><td> Bit 7 \ - </td><td>VIA CONSOLE</td><td>DIRECT DIAL ACCESS</td></tr><tr><td>0</td><td>Off-Hook</td><td>Off-Hook with pressing GB</td></tr><tr><td>1</td><td>Off-Hook with pressing GB</td><td>Off-Hook</td></tr></table>	Bit 7 \ -	VIA CONSOLE	DIRECT DIAL ACCESS	0	Off-Hook	Off-Hook with pressing GB	1
Bit 7 \ -	VIA CONSOLE	DIRECT DIAL ACCESS								
0	Off-Hook	Off-Hook with pressing GB								
1	Off-Hook with pressing GB	Off-Hook								

E-21 Emergency Call Monitor - Attendant

STEP	CMND	BIT	EXPLANATION																																			
4	System Data 2 ASYD Index 0	Bit 0	Restriction Data of Station Busy Services can be designated as indicated below:																																			
		Bit 1	<table><tr><th>Bit 1</th><th>Bit 0</th><th>CALL BACK</th><th>EXECUTIVE RIGHT-OF-WAY</th><th>CALL WAITING-ORIGINATING</th><th>VOICE CALL (Desktop terminal)</th><th>MESSAGE REMINDER (Desktop terminal)</th></tr><tr><td>0</td><td>0</td><td>R</td><td>R</td><td>R</td><td>R</td><td>R</td></tr><tr><td>0</td><td>1</td><td>A</td><td>R</td><td>A</td><td>A</td><td>A</td></tr><tr><td>1</td><td>0</td><td>R</td><td>A</td><td>A</td><td>A</td><td>A</td></tr><tr><td>1</td><td>1</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td></tr></table>	Bit 1	Bit 0	CALL BACK	EXECUTIVE RIGHT-OF-WAY	CALL WAITING-ORIGINATING	VOICE CALL (Desktop terminal)	MESSAGE REMINDER (Desktop terminal)	0	0	R	R	R	R	R	0	1	A	R	A	A	A	1	0	R	A	A	A	A	1	1	A	A	A	A	A
			Bit 1	Bit 0	CALL BACK	EXECUTIVE RIGHT-OF-WAY	CALL WAITING-ORIGINATING	VOICE CALL (Desktop terminal)	MESSAGE REMINDER (Desktop terminal)																													
			0	0	R	R	R	R	R																													
			0	1	A	R	A	A	A																													
			1	0	R	A	A	A	A																													
		1	1	A	A	A	A	A																														
		R: Restricted A: Allowed																																				
		Bit 2	Not used																																			
		Bit 3	Attendant Override service 0/1 = Out/In service																																			
Bit 4	Busy Verification (Console) service 0/1 = Out/In service																																					
Bit 5	Not used																																					
Bit 6																																						
Bit 7																																						
5	ASYD System Data 1 Index 172	Bit 1	Message registration (SMDR) information sent to/from PMS. 0/1 = No/Yes Note 1																																			
6	AHSY Index 109	Bit 0	Not used																																			
		Bit 1	Charging Method of Console (If No.7 CCIS service is provided, “1” must be assigned) 0 = “9” + “Trunk Number” 1 = Specific Attendant Number																																			
		Bit 2	When administration or guest station dials the unused number or the dead level number 0/1 = -/Call is automatically transferred to console																																			
		Bit 3	Not used																																			
		Bit 4	Emergency Call Monitor 0/1 = Out/In service																																			
		Bit 5	Busy Status Display - Console 0/1 = Out/In service																																			
		Bit 6	Front Desk Terminal (FDT) Function keys 0/1 = Fixed/Flexible Note: This bit is not currently used.																																			
		Bit 7	Not used																																			
7	AHSY Index 183	Bit 6	Enable special number message registration 0/1 = No/Yes Note 1																																			

E-21 Emergency Call Monitor - Attendant

STEP	CMND	BIT	EXPLANATION
8	AHSY 360	Bit 0	Special Number Message Registration Entry
		Bit 1	Block 1
		Bit 2	
		Bit 3	First Digit = 1-0 (1h - Ah) Note 2
		Bit 4	Special Number Message Registration Entry
		Bit 5	Block 1
		Bit 6	
		Bit 7	Second Digit = 1-0 (1h - Ah) Note 1, Note 2
9	AHSY 361	Bit 0	Special Number Message Registration Entry
		Bit 1	Block 1
		Bit 2	
		Bit 3	Third Digit = 1-0 (1h - Ah) Note 2
		Bit 4	Special Number Message Registration Entry
		Bit 5	Block 1
		Bit 6	
		Bit 7	Fourth Digit = 1-0 (1h - Ah) Note 1, Note 2
STEP	CMND	EXPLANATION	
10	ATGL	Assign the trunk group to an LED on the console.	
11	ASFC	Executive override (SFI4) and Attendant Camp-On (SFI11) must be allowed for guest room's SFC.	

Note 1: These steps are not required if the call to 911 service does not print to the hotel printer.

Note 2: The number entered will automatically print on the hotel printer when the call is completed. (Trunk is released and SMDR is output.) This works in conjunction with AHSY, Index 183, Bit 6. SMDR must be in service.

E-31 Emergency Call through PMS

General Description

This feature provides Emergency Call through PMS. If called station is busy, you can disconnect the call and send the announcement.

You can also report the result of Emergency Call to PMS and output.

Operating Procedure

Refer to the manual for PMS.

Service Conditions

1. This feature is available for Guest Room/administration station and PS for business.
2. This feature calls Guest Room/administration station one after another (500 msec intervals).
3. If the called station is busy, you can choose whether to disconnect the call or not (AHSY, Index 251, Bit 5). When you choose no disconnection, PMS calls another station.
When you choose disconnection, PMS disconnect the station which is busy/originating/calling, and then send the Emergency Call message.
4. Although you choose disconnection, disconnection is not performed with following conditions:
While connecting to more than three parties such as another station, another trunk or Attendant Console.
(For example, Conference Call, Consultation Hold [C-17] and Splitting Dterm [S4-D])
While holding the line connected to another station, trunk or Attendant Console.
While incoming call from station holding a call or Attendant Console.
5. When the call is disconnected and then connected to Announcement Trunk, the result is "Answer".
6. When you choose no disconnection, assign Number/Time of Retry for Emergency Call (AHSY, Index 251, Bit 0-3).
7. While Emergency Call through PMS is performed, Desktop terminal LCD displays "EMERGENCY CALL".
8. Print the result of Emergency Call (ANS/NANS/BLOCK/BUSY) is assigned by AHSY command (Index 403, Bit 4-7).
9. Emergency Calling span is 1 minute (Fixed).

Assignment Procedure

STEP	CMND	BIT	EXPLANATION	
1	AHSY Index 147	Bit 0	Not used.	
		Bit 1		
		Bit 2		
		Bit 3		
		Bit 4	Emergency Call through PMS Service Bit 4=1 (Fixed)	
		Bit 5	Not used.	
		Bit 6		
		Bit 7		
2	AHSY Index 251	Bit 0	Number of retry for Emergency Call through PMS Service	
			Bit 1 Bit 0	Bit 1 Bit 0
		Bit 1	0 0 = No Retry	1 0 = Twice
			0 1 = Once	1 1 = Three Times
		Bit 2	Retry Time for Emergency Call through PMS Service	
			Bit 3 Bit 2	Bit 3 Bit 2
		Bit 3	0 0 = 3 minutes	1 0 = 2 minutes
			0 1 = 1 minute	1 1 = 3 minutes
Bit 4	Not used.			
Bit 5	Disconnect the speech by Emergency Call through PMS Service 0/1=Out/In service			
Bit 6	Not used.			
Bit 7				
3	AHSY Index 403	Bit 0	Processing of Checkout Result (Feature Code=16, Function Code=2) when received from PMS 0:Out status memory in guest memory is cleared. 1:All guest memory is cleared.	
		Bit 1	Not used.	
		Bit 2		
		Bit 3		
		Bit 4	Print the result of Emergency Call	Bit 4: Answer
		Bit 5	through PMS Service	Bit 5: No Answer
		Bit 6	0/1=Out/In service	Bit 6: Busy
		Bit 7	Print the Start and End of Emergency Call through PMS Service 0/1=Out/In service	

E-31 Emergency Call through PMS

STEP	CMND	EXPLANATION
4	ARTD	Route Class data of announcement trunk for Emergency Call ONSG (CDN: 2)=2 PB, 60msec interval Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
5	ATRK	Trunk data for announcement trunk
6	MBTK	Make busy for announcement trunk
7	AAED /AAEDL Note 1	Announcement Equipment data EQP=108 Emergency Call Announcement Note 1: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.
8	ARSC	Cancel the restriction of route and station for announcement trunk. PRI=3 RES=1 (Allowed)

G-1 Guest/Administrative Service

General Description

This feature enables stations to be classified as guest stations and administration stations, and to use the respective numbering plan. This allows a guest station to call an administration station by using a feature access code.

Operating Procedure

No manual operation is required.

Service Conditions

1. Calls between two administration stations can be performed using the same procedure as for an ordinary station-to-station call.
2. A call between an administration and a guest station is allowed by editing the received number on the basis of digit addition and/or deletion information, which is registered in the system for the corresponding access code. A maximum of 15 editing patterns can be registered in system data.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (fixed data)
		Bit 1	Hotel Service kind (fixed data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on console (Refer to) (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest and administration stations 0/1 = Separate/Common Note: If the data is assigned as 1, only use commands AANP and AASP to assign administration and guest numbering plan. If data 0 is assigned, use AANP & AASP for administration numbering plan, and AGNP and AGSP for guest numbering plan.
		Bit 7	Fixed "0"
STEP	CMND	EXPLANATION	
2	AGNP or AANP	Assign minimum necessary number of digits for the first number of the guest/administrative service.	

G-1 Guest/Administrative Service

STEP	CMND	EXPLANATION
3	AGSP or AASP	Assign the guest/administrative service access code. (SRV = SSCA, SIDA = 56, PNO, ADM/GST = 0/1) Note: When a guest station calls an administration station, assign data "0" at ADM/GST. Note: SID: 36, STATE: 32 can be used to allow guest stations to call administration stations when a split numbering plan is used. If this is set, it is not necessary to program AOSP.
4	AOSP	Skip the access code of AGSP SIDA = 56.

G-4 Group Service through PMS

General Description

Group service information is entered via the PMS and forwarded to Telephony Server for storage. This enables the Console, or predetermined Special Administration stations, to activate various Announcement Service [A-141] on a group basis. Ten different types of announcements can be provided for group service. The following are system limitations.

2048	Groups standard
10	Announcement types maximum
1	Digit maximum for announcement-type code (0-9)
6	Digits maximum for group code

If PMS Language Service is used, announcements can be provided according to a group's language. The language information is entered from the PMS terminal.

Operating Procedure

To set Group Service through PMS from a predetermined Special Administration station

1. Lift the handset. Receive Dial Tone.
2. Dial the Group Announcement code. Hear Special Dial Tone.
3. Dial time (24-hour time). Hear Second Dial Tone.
4. Dial ID code (if used). Hear Special Dial Tone.
5. Dial group code and Group Announcement type code. Receive Service Set Tone.
6. Hang up.

Note: If ID codes are not used, special dial tone will be heard after Step 3.

To cancel Group Service through PMS from a predetermined Special Administration station

1. Lift the handset. Receive Dial Tone.
2. Dial the cancel code for Group Announcement. Hear Second Dial Tone.
3. Dial the ID code (if used). Hear Special Dial Tone.
4. Dial the group code. Receive Service Set Tone.
5. Hang up.

Note: If ID codes are not used, special dial tone is heard after Step 2.

To set from the Console

1. Press the WKUP key (set). The associated lamp lights.
2. Dial the time. The console displays the time using a 12-hour clock.
3. Dial the Group Announcement set code.
4. Press the ENTER key.
5. Dial the group code plus Group Announcement type code. The console displays the information.
6. Press the ENTER key.
7. Press the EXIT key. The lamp and display are extinguished.

To cancel from the Console

1. Press the WKUP key (reset). The associated lamp lights.
2. Dial the Group Announcement cancel code.
3. Press the ENTER key. The associated lamp lights.
4. Dial the group code. The console displays the information.
5. Press the ENTER key.
6. Press the EXIT key. The lamp and display are extinguished.

Service Conditions

1. The PMS must be able to supply Telephony Server with group service information. This information is entered from the PMS terminal and forwarded to Telephony Server.
2. This feature requires a Digital Announcement Trunk (DAT) package.
3. All announcement times are to be set per group at five-minute intervals in 24-hour time.

7:50 AM = 0750

7:55 AM = 0755

8:00 AM = 0800

1:00 PM = 1300

4. Ringing duration can vary between 15, 30, 60, and 120 seconds, depending on data assignment.
5. Ten types of Group Announcement services can be provided.
6. A maximum of six digits can be used for the identification code. Use of ID codes is optional and is left to the customer's discretion.
7. Group Announcements can be arranged either as continuous recordings (last-party disconnects), or as an option, to automatically disconnect after 30 seconds. If the 30-second timing is used, an engineering traffic study is required to determine the number of interface trunks needed to accommodate each recording channel. (This arrangement requires more than one interface trunk per announcement channel.)
8. Group Wake-Up Announcements can be arranged as Automatic Wake-Up [A-10/A-27] or Wake-Up Announcement-Head Start [W-2]. When Group Wake-Up Announcements are executed and answered, if the Desktop terminals are used for the guest stations in a group, the LCDs display as below (only when announcement type code is 0):

WAKE UP (Time and Date) >>>

9. When Group Announcement Service is activated, and not answered, the announcement is not activated again.
10. When this feature call is not answered by the destination party (i.e. no answer, busy, or locked-out), the system automatically retries to call up to a maximum of three times, under the following conditions:
 - When the called party does not answer the call:
The system automatically retries to call the number of times predetermined by system data (AHSY, Index 65, Bit 1 & 2). If the destination party does not answer after all retries, "NO ANSWER" is indicated on the console.
If the called party is placed in the busy state while being retried, the retry count is not reset.

- When the called party is busy or locked out:
The system automatically retries to call the number of times predetermined by system data (AHSY, Index 65, Bit 3 & 4). If the destination party is still busy or locked out after all retries, “BUSY BLOCK” is indicated on the console.
If the called party releases the busy state while being retried, the retry count is reset to 0.
11. The retry timer for this service can be set by system data (1 to 7 minutes).
 12. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.
 13. This service may not be provided for guest rooms not checked in.
 14. The maximum number of groups which may be registered is 2048.

Note:

- The maximum number of groups available for registration is 2048. Group registration will be ineffective when more than this number of groups are registered. In such cases, errors will not be indicated or notified; instead, the following operations will be performed by the texts used for each group registration.

TEXT	ACTION
[16-B] Check In	Only Check in service is carried out. Group registration will not be carried out.
[21-2] Group Connection	No process is carried out.
[56-1] Check In	Only Check in service is carried out. Group registration will not be carried out.
[57-1] Room Recovery Data Notification	Only Check in service is carried out. Group registration will not be carried out.
[61-1] Change of Room Data	Only Data modification service is carried out. Group registration will not be carried out.

- In FCCS network, the maximum number of groups available for registration is 2048 per each PMS node.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Console (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest station and administration station 0/1 = Separate/Common
		Bit 7	Fixed "0"
2	System Data 1 ASYD Index 164	Bit 0	Number of Digits of all Hotel ID code (This data is effective when Bit 7 = 1.) Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
		Bit 1	0 0 0 = Not used 1 0 0 = 4 digits
		Bit 2	0 0 1 = 1 digit 1 0 1 = 5 digits
			0 1 0 = 2 digits 1 1 0 = 6 digits
		Bit 2	0 1 1 = 3 digits 1 1 1 = Not used
		Bit 3	ID code for setting/cancelling Maid Status 0/1 = Not required/Required
		Bit 4	Number of Digits of Group Code (PMS option) Bit 6 Bit 5 Bit 4 Bit 6 Bit 5 Bit 4
		Bit 5	0 0 0 = Not used 1 0 0 = 4 digits
		Bit 6	0 0 1 = 1 digit 1 0 1 = 5 digits
			0 1 0 = 2 digits 1 1 0 = 6 digits
		Bit 7	0 1 1 = 3 digits 1 1 1 = Not used
		Bit 7	ID code for setting/canceling Automatic Wake Up or Group Announcement from the Special Administration station 0/1 = Not required/Required

G-4 Group Service through PMS

STEP	CMND	BIT	EXPLANATION
3	System Data 1 ASYD Index 168	Bit 0	Group Announcement Service through PMS 0/1 = Out/In service
		Bit 1	Audit Reports (for Hotel system) 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	Off-Hook Alarm (service) 0/1 = Out/In service
		Bit 5	Destination for Off-Hook Alarm Termination 0/1 = Console/Station
		Bit 6	Destination for Priority Call Termination 0/1 = Console/Station
		Bit 7	Not used
4	AHSY Index 65	Bit 0	PMS Interface Dial Digits 0/1 = 16 digits/32 digits
		Bit 1	Number of retries for No Answer condition Bit 2 Bit 1 0 0 = 0 time 0 1 = 1 time 1 0 = 2 times 0 1 = 3 times
		Bit 2	
		Bit 3	Number of retries for Busy condition Bit 4 Bit 3 0 0 = 3 times 0 1 = 2 times 1 0 = 1 time 1 1 = 0 time
		Bit 4	
		Bit 5	Retry timer for Announcement Service Bit 7 Bit 6 Bit 5 0 0 0 = 3 minutes (Default) 0 0 1 = 1 minute 0 1 0 = 2 minutes 0 1 1 = 3 minutes 1 0 0 = 4 minutes 1 0 1 = 5 minutes 1 1 0 = 6 minutes 1 1 1 = 7 minutes
		Bit 6	
		Bit 7	

G-4 Group Service through PMS

STEP	CMND	EXPLANATION
5	AANP	Assigns minimum necessary number of digits for the first number of the Group Service access code.
6	AASP	Assigns the Group Service access code. - To Set: SRV = SSC, SID =50 - To Cancel: SRV = SSC, SID = 51
7	ASFC	SFI 42: Allow for Stations in Group
8	ARTD	Assign the route data of the trunk that interfaces with the announcement unit (LSG = 5). Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
9	ATRK	Assign the trunk interfacing with the announcement unit.
10	MBTK	Release the make-busy of the trunk assigned in ATRK.
11	AAED /AAEDL Note 1 Note 2	Assign the announcement equipment data to each group. Note: The relationship of parameter "EQP" and the group is as follows: EQP = 22: Group 0 (for Automatic Wake-Up) EQP = 23: Group 1 EQP = 24: Group 2 EQP = 25: Group 3 EQP = 26: Group 4 EQP = 27: Group 5 EQP = 28: Group 6 EQP = 29: Group 7 EQP = 30: Group 8 EQP = 31: Group 9 Note 1: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command. Note 2: When hearing the announcement with VoWLAN terminal, assign R = 1: No RBT transmission on AAED command.

Note: Group assignment and Group Code assignment are executed at PMS terminal.

G-5 Guest Name Display Through PMS

General Description

As part of the Room Status [R-10] Display on the console, a 16-character digital display is provided for visual indication of the associated guest's name. This information is generated from the PMS computer.

Operating Procedure

To display guest name from console

1. Press the STS key. The associated lamp lights.
2. Dial the station number. The console displays the station number.
3. Press Enter. Status is displayed and the lamp flashes.
4. Press the CLEAR key and continue from Step 2 (station dialing) for as many stations as required.
5. Press the EXIT key to release from the service mode.

Note: If an error is made in the course of key operations, press CLEAR and continue from Step 2 (station dialing).

Service Conditions

1. The PMS must be able to supply Telephony Server with the guest name. This information is entered from the PMS host computer only.
2. Display of guest's name and status information will appear when the Attendant responds to guest calls or activates the STATUS function.
3. A 16-character guest name is used with Model 90 or 120 PMS interface.
4. This feature is not available for remote guest stations in a CCIS network.
5. An optional 3- or 5-character data field can be used by the PMS system to show additional information such as how the room was paid for, or a guest's award level (in a hotel awards program). The actual use is decided by the customer. (No additional programming is required for this data. The 3- and 5- character optional data are entered through the PMS terminal.)

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Console (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of Guest and administration stations 0/1 = Separate/Common
		Bit 7	Fixed "0"

G-6D

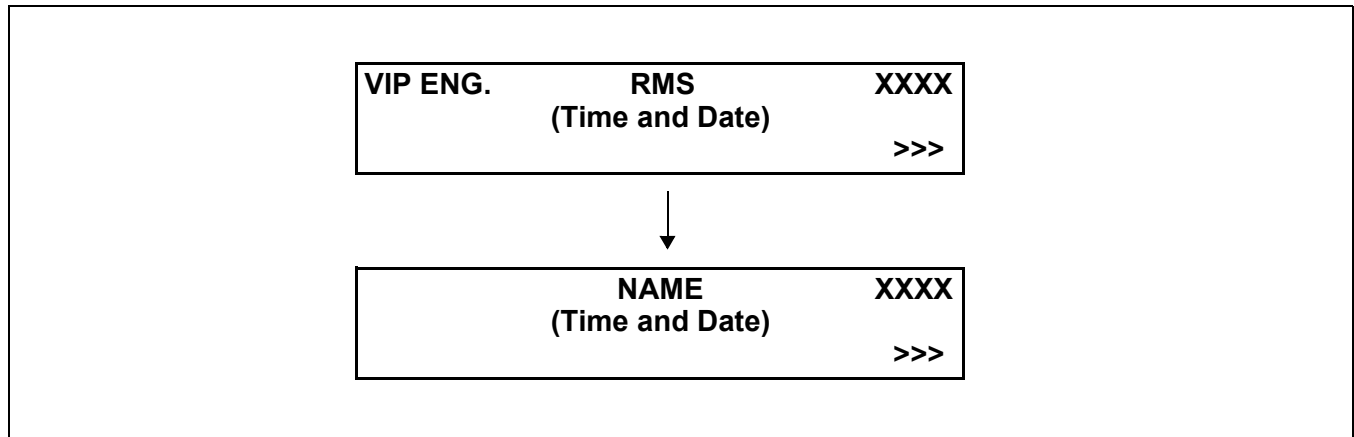
Guest Name Display -D

General Description

This feature allows the Special Administration station Desktop terminal to display the name of the guest when connected to a guest station.

When the Special Administration station calls a guest station, the following is displayed on the LCD. (The information is displayed in the same manner when a guest station calls the Special Administration station.)

LCD display on Special Administration station Desktop terminal



The LCD displays name and extension, as well as the following:

- a.) Room Status (3 characters)
 - ADM Administration station
 - RMO Guest out of room
 - RMS Guest in room (room stay)
- b.) VIP information, if set (3 characters)
- c.) Language information, if set, or other optional data (5 characters)

ENG	English	SP	Spanish
JPN	Japanese	CHI	Chinese
GER	German	RUS	Russian
FR	French		

Note: This feature is not available for SIP Handler Controlled SIP terminal/SP Controlled SIP terminal.

Operating Procedure

This feature is assigned by Hotel System Parameter (AHSY, Index 107). For two-line display, there is only one display pattern (AHSY, Index 139, Bit 6 = 1). Each display pattern is explained below.

Call Origination from Desktop terminal (Special Administration station) [One-line Guest Name Display]

1. Special Administration station dials the desired guest station number.
2. The assigned call origination pattern (AHSY, Index 107, Bit 2/3) is displayed. The following are the display patterns.

[Pattern 1] Optional data “A” and “B” or “VIP/Language Information”, Room Status and station number are displayed. The display changes to the name and station number of the called guest when the Display Change Timer’s time is up (AHSY, Index 108, Bit 4 - 7). **Note 1**

[Pattern 2] Guest name is displayed. The display changes to Optional data “A” and “B” or “VIP/Language Information,” Room Status and station number of the called guest when the Display Change Timer’s time is up (AHSY, Index 108, Bit 4 - 7). **Note 1**

[Pattern 3] Name and station number of the called guest are displayed.

Call Origination from Desktop terminal (Special Administration station)

[Two-line Guest Name Display]

1. Special Administration station dials the desired guest station number.
2. Optional data “A” and “B” or “VIP/Language Information”, Room Status, station number and guest name are displayed. **Note 1**

Call Termination to Desktop terminal (Special Administration station)

[One-line Guest Name Display]

1. Special Administration station is rung (a call has terminated from guest station).
2. The assigned call termination pattern (AHSY, Index 107, Bit 0/1) is displayed. The following are the display patterns.

[Pattern 1] Name and station number of the calling guest are displayed.

[Pattern 2] Optional data “A” and “B” or “VIP/Language Information,” Room Status and station number of the calling guest are displayed.

[Pattern 3] Guest name is displayed.

3. Special Administration station answers by lifting the handset or pressing the SPEAKER key.
4. The assigned call answering pattern (AHSY, Index 107, Bit 4/5) is displayed. The following are the display patterns.

[Pattern 1] Name and station number of the calling guest are displayed.

[Pattern 2] Guest name is displayed. The display changes to the name and station number of the calling guest when the Display Change Timer’s time is up (AHSY, Index 108, Bit 0 - 3).

[Pattern 3] Optional data “A” and “B” or “VIP/Language Information,” Room Status and station number of the calling guest when the Display Change Timer’s time is up (AHSY, Index 108, Bit 0 - 3).

Call Termination to Desktop terminal (Special Administration station Desktop terminal) [Two-line Guest Name Display]

1. The Special Administration station is rung (a call has terminated guest station).
2. Optional data “A” and “B” or “VIP/Language Information”, Room Status, station number and guest name are displayed. **Note 1**
3. The Special Administration station answers by lifting the handset or pressing the SPEAKER key (display pattern above continues).

Note 1: User may choose the display pattern between Optional data “A” and “B” or “VIP/Language Information” by assigning (AHSY, Index 107, Bit 7). For more details, refer to page 151.

Service Conditions

1. A Desktop terminal must be used as a guest station.
2. Guest Name Display -D is automatic for the prime line of the Special Administration station. This feature will also operate in conjunction with Line Preselection -D [L-9D], when the subline preselected is programmed as the Special Administration station.
3. This feature is available only for Special Administration stations. Special Administration station status is designated via Service Feature Restriction Class (SFC).
 - The maximum number of guest name characters is 16 (PMS Model 90/120 Interface). When guest room number is displayed simultaneously, the maximum number of guest name characters will be 11.
 - This feature can be provided for a maximum of 128 stations per Local Partition (LP).
 - It is possible to use the guest name display area for other purposes (mainly to display the type of call transfer used).
 - Display Change Timer (timer used for answering/originating a call) may be set between 1 to 15 seconds.
4. Guest Name Display through PMS [G-4] must be provided first.
5. Whether to display Optional data “A” and “B” or “VIP/Language Information” in the upper line of LCD is selected in the system parameters on a system basis.
6. This feature is not available for remote guest stations in a CCIS network.
7. Guest Name Display on Desktop terminals can be provided with a two-line display. Optional data “A” and “B” or “VIP/Language Information,” along with room number, appear on the top line of the Desktop terminal LCD. Guest name appears on the second line.
8. This feature is not available when calling stations over a CCIS network.
9. An optional 3 or 5-character data field can be used by the PMS system to show additional information such as how the room was paid for, or a guest’s award level (in a hotel awards program). The actual use is decided by the customer. (No additional programming is required for this data. The 3 or 5-character optional data are entered through the PMS terminal.)
10. If Name Display - System [N-28] is set, it will have priority over this feature.
11. When Phonebook for Hotel [P-85] is in service (AHSY, Index 534, Bit 6=1) and both of this feature and Name Display - System [N-28] are set, the guest name is displayed preferentially.

12. The user may choose the display pattern between Optional data “A” and “B” or “VIP/Language Information” by assigning AHSY, Index 107, Bit 7.

Note: When the Cordless Terminal (DT330 (12BT)) is connected, the Bluetooth Handset does not display “VIP/Language Information” and Optional data “A”. Besides, Optional data “B” is only displayed in 4 digits.

13. This feature has been supported by Expanded Multiple Line Operation -D [E-26D]. The following are the conditions for using this feature.
- a.) To make this feature available, assign AHSY, Index 532, Bit 7 = 1.
 - b.) Data assignment for Expanded Multiple Line Operation is also necessary in addition to data assignment for this feature. For more details, refer to EXPANDED MULTIPLE LINE OPERATION -D [E-26D] from Data Programming Manual - Business.
 - c.) This feature is available only for Desktop terminals registered as Special Administration station.
14. This feature supports Legacy Dterm and Dterm IP (proprietary protocol/SIP).
15. This feature supports Call History [C-195]. The following shows conditions when Call History [C-195] is activated.
- When a call terminates from the guest station to the administration station which activates Call History [C-195], only Guest Name is displayed as a call history, and option data “A” and “B” or VIP and language, along with room number are not displayed.
 - If Guest Name or Name Display data is assigned to the calling party when ASYD, System data 1, Index 390, Bit 0=0 (Calling Name has priority) is assigned, different data type for call history can be specified to administrative station and guest station by AHSY, Index 534, Bit 2. The following shows the data type displayed as call history according to AHSY, Index 534, Bit 2 data assignment.

When AHSY, Index 534, Bit 2 = 0 is assigned:

		Called Party Side	
		Administration Station	Guest Station
Calling Party Side	Administration Station	Name Display data	Name Display data
	Guest Station	Name Display data or Guest Name Note 2	Name Display data

When AHSY, Index 534, Bit 2 = 1 is assigned:

		Called Party Side	
		Administration Station	Guest Station
Calling Party Side	Administration Station	Station number	Name Display data
	Guest Station	Station number	Name Display data

Note 2: When both of Guest Name and Name Display data have been assigned to the calling party side guest station, Name Display data takes priority over Guest Name.

16. When Caller ID Display - Sub Line [C-204] is in service, a guest name of the call arrived to Sub Line can be displayed. For the details of this feature, refer to Caller ID Display - Sub Line [C-204] in Data Programming Manual - Business.
17. A SIP Handler Controlled SIP terminal can be used for this feature under the following conditions:
 - a.) Guest Name Display is available when the SIP Handler Controlled SIP terminal is used as the Special Administration station.
 - b.) When a call arrives at the SIP Handler Controlled SIP terminal, only the Guest Name can be displayed. Optional data, VIP/Language Information, Room Status, and station number are not available. When a call is made from the SIP Handler Controlled SIP terminal, Guest Name cannot be displayed.
 - c.) To notify Guest Name information, you need to assign the Name Display parameter with the AUACL/AUACN command.
 - d.) Guest Name is displayed within 16 characters regardless of the setting of the hotel system parameter (AHSY, Index 139, Bit 6 and AHSY, Index 107, Bits 0-6).
 - e.) When a connected party is changed due to Call Transfer, or after a three-way call changes into a two-way call due to one party release of the call, the destination name and the number of the new party cannot be displayed.
 - f.) Only symbols and alphanumeric characters can be notified as Name Display information. Other than those characters are replaced with spaces.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	ASYD System Data 1 Index 160	Bit 0	1: Hotel feature is available
		Bit 1	1: Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Attendant Console (Refer to Table “Key Arrangement for Hotel ATT”, Table “Key Arrangements for Hotel Add-On Console”)
		Bit 4	(Usually, 00)
		Bit 5	Guest Name Service 0/1 = Out of service/In service
		Bit 6	Numbering Plan Data Table of guest station and administration stations 0/1 = Separate/Common
		Bit 7	Fixed to “0”.

G-6D Guest Name Display -D

STEP	CMND	BIT	EXPLANATION
2	ASYD System Data 1 Index 390	Bit 0	Caller ID display pattern on the LCD (Top line) 0/1 = Calling Name/Calling Number has priority. Note: Specify "0 (Calling Name)" to enable Call History [C-195] in this feature.
		Bit 1	Displayed information on the Top line of the LCD of the Desktop terminal 0/1 = Caller ID/Call type or sub address
		Bit 2	Caller ID display on the bottom line of Desktop terminal LCD 0/1 = Out of service/In service Note: Assign this data when setting Caller ID Display/Representation Name/Name Display on Desktop terminal Multi-Line. If the data is not assigned, the Caller ID Display/Representation Name/Name Display on Desktop terminal Multi-Line does not work normally.
		Bit 3	Display of Soft key pressed when the station is Idle or is in Dial Tone connection. Bit 4 Bit 3 0 0 = Blink 0 1 = Steady-lights 1 0 = Displays the assigned code on first column (*1) 1 1 = No Indication
		Bit 4	
		Bit 5	Display of Soft key to be pressed when the station is in communication. Bit 6 Bit 5 0 0 = Blink 0 1 = - 1 0 = Displays the assigned code on First column (*1) 1 1 = No Indication
		Bit 6	
3	AHSY Index 107	Bit 7	Not used
		Bit 0	Display Pattern for terminating (Note 3) Bit 1 Bit 0 Bit 1 Bit 0 0 0 = Pattern 1 1 0 Bit 1 0 1 = Pattern 2 1 1] = Pattern 3 0 1 1 1
		Bit 1	
		Bit 2	Display Pattern for originating (Note 3) Bit 3 Bit 2 Bit 3 Bit 2 0 0 0 1 = Pattern 5 Bit 3 1 0 = Pattern 6 1 1 1 1] = Pattern 4
		Bit 3	
		Bit 4	Display Pattern for answering a call, or the caller answers a call originated by Desktop terminal (Note 3) Bit 5 Bit 4 Bit 5 Bit 4 0 0 0 1 = Pattern 8 Bit 5 1 1 = Pattern 9 1 0 1 1] = Pattern 7
		Bit 5	
		Bit 6	Tenant of Desktop terminal that displays Guest Name 0/1 = All Tenants/Only Tenant No. 1
		Bit 7	Guest Name Display on Desktop terminal (Note 4) 1: Display pattern is determined as per the contents of b ₀ through b ₆ Option A and B 0: VIP and LANG

G-6D Guest Name Display -D

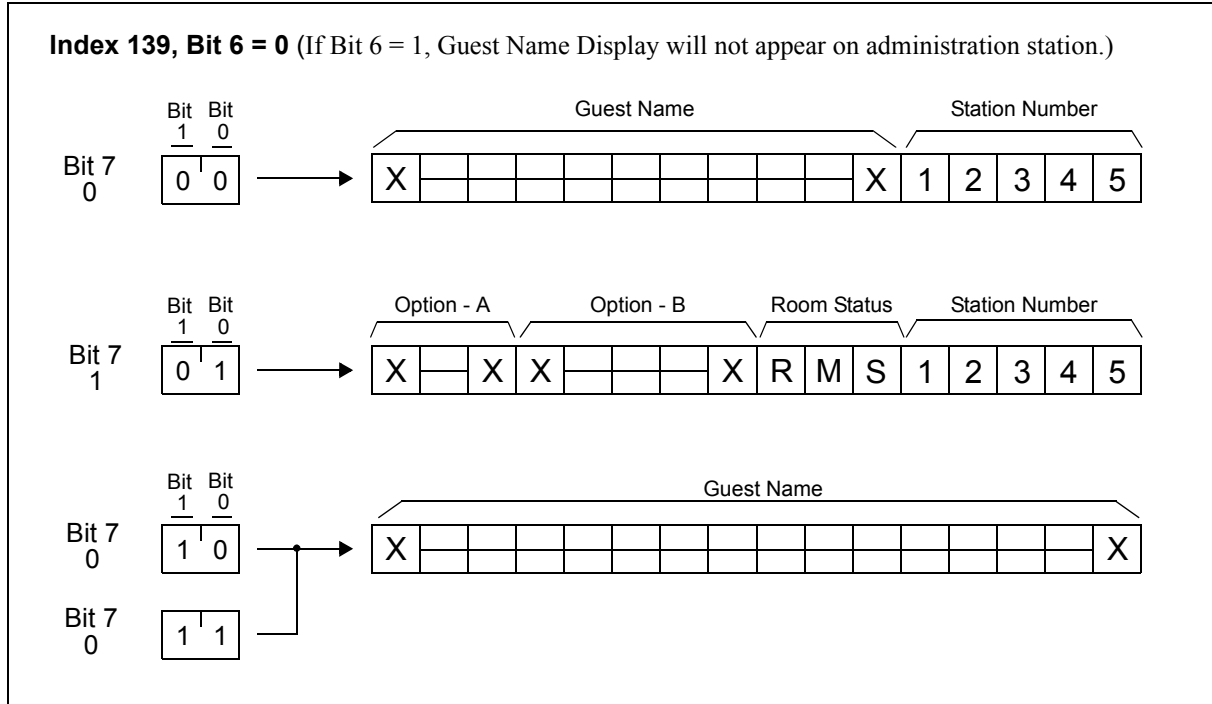
STEP	CMND	BIT	EXPLANATION
4	AHSY Index 108	Bit 0	Display Change Timer of Display Pattern for Answering (assigned Index 107, Bit 4 and Bit 5) 0 Hex: Standard Timer Value = 8 to 10 seconds 1 Hex ~ F Hex: Timer Value = (1 - 15) × 1 seconds
		Bit 1	
		Bit 2	
		Bit 3	Display Change Timer of Display Pattern for Originating (assigned Index 107, Bit 3 and Bit 2) 0 Hex: Standard Timer Value = 2 - 4 seconds 1 Hex ~ F Hex: Timer Value = (1 - 15) × 1 seconds
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
5	AHSY Index 110	Bit 0	Room key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Hotel-ATT Guest Information Service 0/1 = Not required/Required
		Bit 2	Not used
		Bit 3	Called Number Display on the Hotel ATTCON 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display-D, Guest Information Display-D/PMS Terminal 0/1 = Out/In service
6	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	MW Lamp Indication of “Do Not Disturb” 0/1 = Lights Steadily/Flashes
		Bit 3	MW Lamp Indication of “Do Not Disturb” 0/1 = Not Required/Required
		Bit 4	MW Lamp Indication of “Message Waiting” 0/1 = Lights Steadily/Flashes
		Bit 5	MW Lamp Indication of “Message Waiting” 0/1 = Required/Not Required
		Bit 6	2-Line Guest Name Display on a Desktop terminal 0/1 = Out of service/In service
		Bit 7	Not used

G-6D Guest Name Display -D

STEP	CMND	BIT	EXPLANATION
7	AHSY Index 532	Bit 0	Not used
		Bit 1	Guest Station -D Help key display 0/1 = Out of service/In service
		Bit 2	Always-Enabled Microphone of Guest Station -D 0/1 = Out of service/In service
		Bit 3	Always-Enabled ANSWER key of Guest Station -D 0/1 = Out of service/In service
		Bit 4	AHSPL/AHSPN Command Day/Night Table Development 0/1 = Common/Separate
		Bit 5	Calling/Called Party Number Protection 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	Guest Name Display in Expanded Multiple Line Operation 0/1 = Not Available/Available
8	AHSY Index 534	Bit 0	Not used
		Bit 1	
		Bit 2	Caller ID display on administration station (called party side) 0/1 = Calling Name is displayed/Calling Number is displayed (This data is valid when ASYD, SYS1, Index 390, Bit 0 = 0) Note: Specify "0 (Calling Name)" to enable Call History [C-195] in this feature.
		Bit 3	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
		Bit 4	Priority reading out of Split Access DM Selection of whether to preferentially read out the DM when Split Access data is configured in an FCCS network system where both station number and Split Access data with the same special access code coexist. 0/1 = Returns to the conventional order of DM reading out/Reads out the DM where Split Access data is configured preferentially
		Bit 5	Not used
		Bit 6	Phonebook for Hotel 0/1 = Out of service/In service
		Bit 7	Not used
9	AAST	Assigns Special Administration station TEC = 12	
10	ASFC	Assigns SFC of the Special Administration station (SFI 45).	

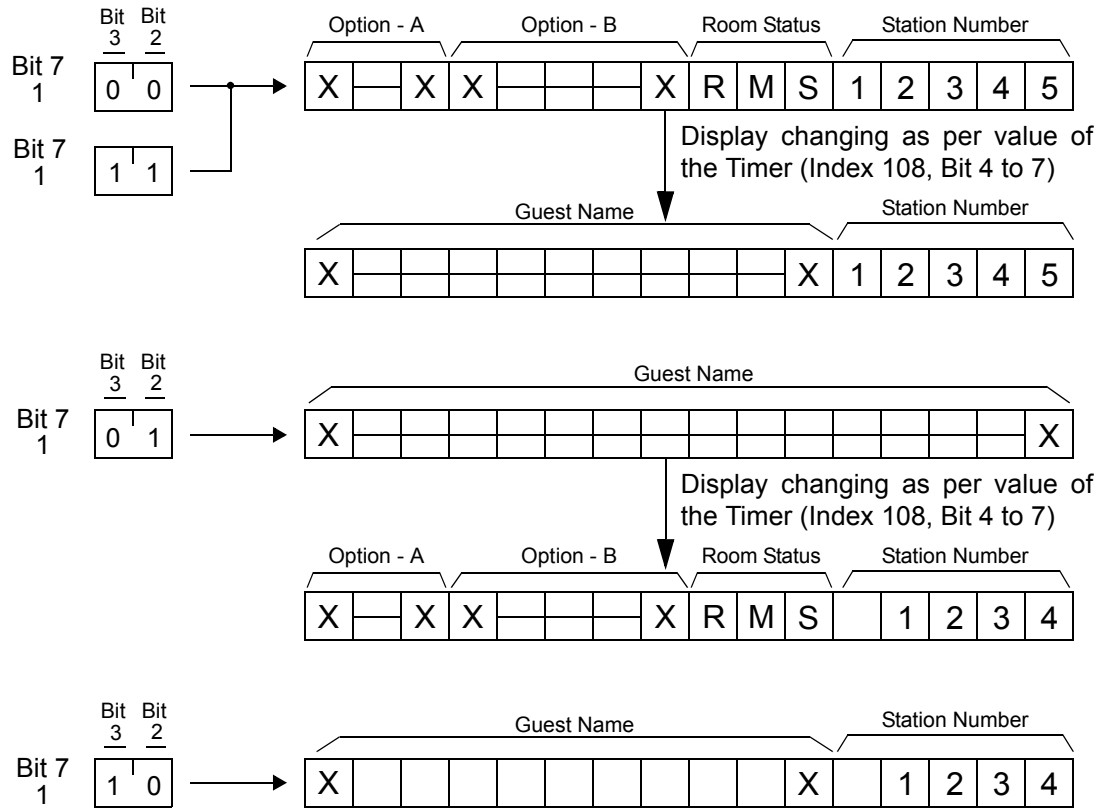
Note 3: Display for Call Termination/Call Origination/Call Answer:
 Display pattern depends on the assignment for 2-Line Guest Name Display on Desktop terminal (AHSY, Index 139, Bit 6). The display pattern when 2-Line Guest Name Display is Out of Service is shown in (1). The display pattern when 2-Line Guest Name Display is In Service is shown in (2).
 (1) When 2-Line Guest Name Display on a Desktop terminal is out of service, display patterns change according to Call Termination/Call Origination/Call Answer Status.

a) Index 107, Bit 0/1: Display for Call Termination (Guest Station to Administration Station)

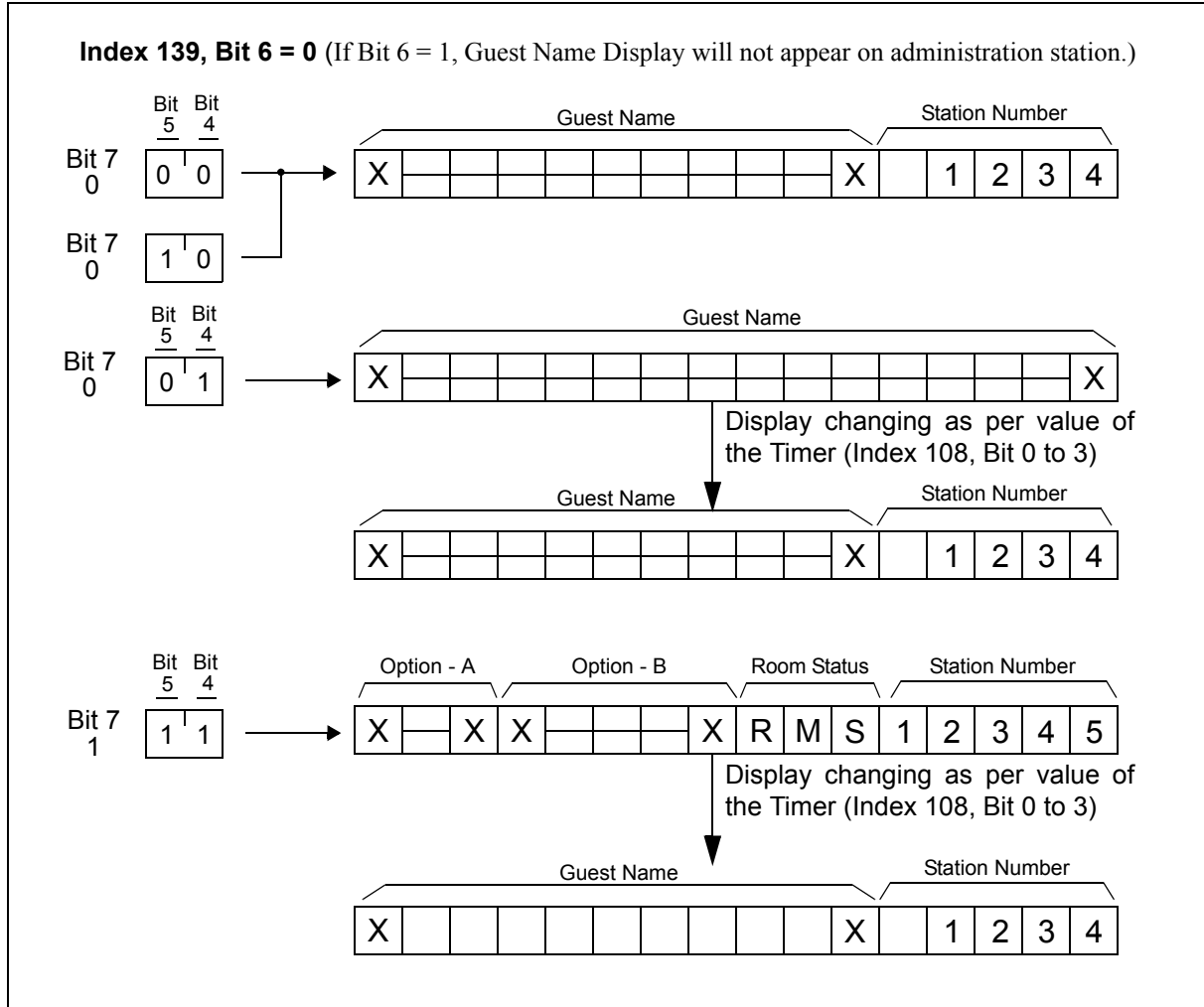


b) Index 107, Bit 2/3: Display for Call Origination (Administration Station to Guest Station)

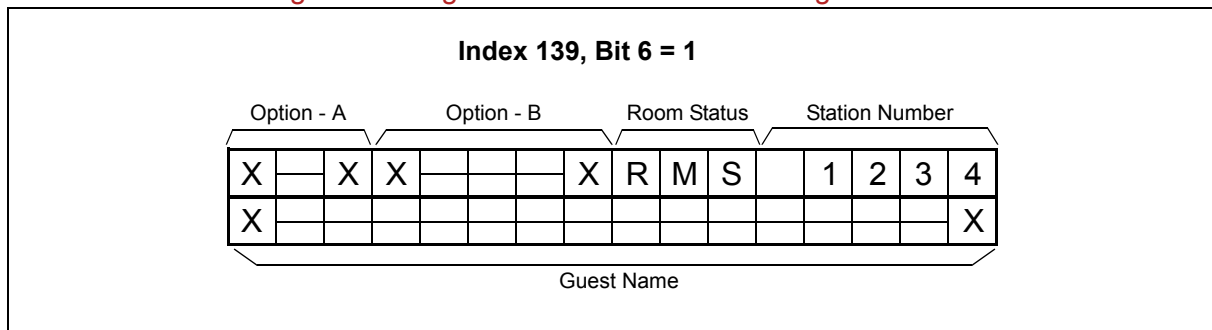
Index 139, Bit 6 = 0 (If Bit 6 = 1, Guest Name Display will not appear on administration station.)



c) Index 107, Bit 4/5: Display for Call Answer

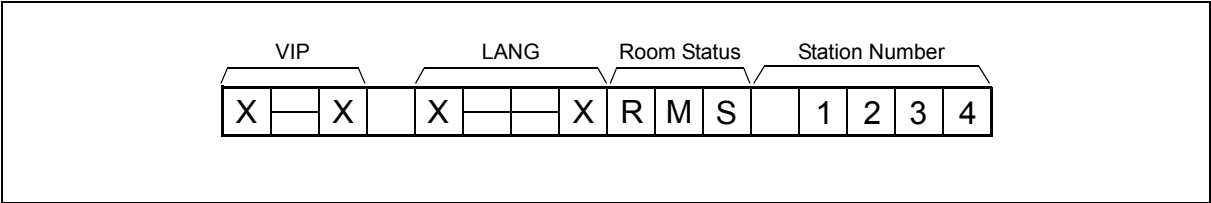


(2) When 2-Line Guest Name Display on a Desktop terminal is in service, the display pattern does not change according to Call Termination/Call Origination/Call Answer Status.

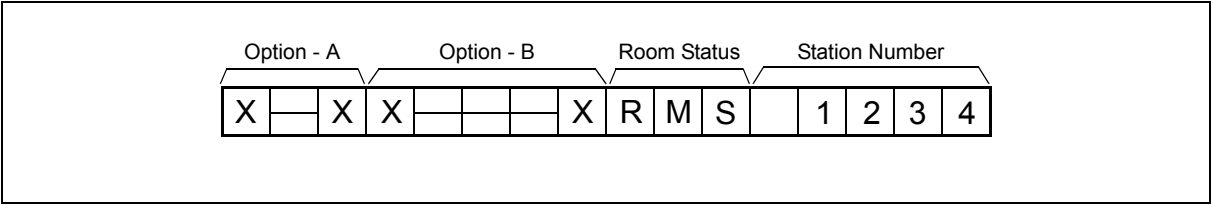


Note 4: Guest Name Display on Desktop terminal

1) VIP and LANG (Index 107, Bit 7 = 0).



2) Display pattern is determined by Option A and B (Index 107, Bit 7 = 1)



G-8 Guest Information Display - Hotel Attendant Console

General Description

This feature allows guest information to be displayed on a PMS terminal corresponding to the Console in the following cases:

- When the Console receives a call from a guest station
- When the Console originates a call to a guest station

Operating Procedure

Termination from guest station

1. A call from the guest station terminates to the console. The guest information is displayed on the PMS terminal corresponding to the console.
2. The console releases the call. The guest information disappears.

Call origination to guest station

1. Dial the guest station number. The guest information is displayed on the PMS terminal corresponding to the console.
2. The console releases the call. The guest information disappears.

Service Conditions

1. To provide this feature, a PMS computer is required with dedicated PMS interface port(s), in addition to the general PMS port. The number of dedicated PMS interface ports needed for this service depends on the number of PMS terminals displaying the guest information in accordance with the following conditions:

Number of PMS terminals	Number of PMS interface ports displaying guest information dedicated to this service
4 or less	1 port
5 or more	2 ports

2. To provide this feature simultaneously with Direct Assistance Interface [D-88], the PMS interface port or ports dedicated to this service are shared with the ports for these two features.
3. Transfer of the guest information from PMS to Telephony Server shall be done within two seconds.
4. The PMS terminal for this service is not shared by multiple Consoles.
5. Recommended data transfer speed on the PMS interface is BISYNC 4800 bps (1 IMG system), and 4800 or 9600 bps (4 IMG system). ASYNC 1200 bps may be used, depending on the PMS traffic.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
CRT Control Even Group Queue (Note 1)			
1	System Data 1 ASYD Index 190	Bit 0	I/O = Port designation to Host Computer Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0 0 0 0 = Port 0 0 1 1 = Port 3 0 0 1 = Port 1 1 0 0 = Port 4 0 1 0 = Port 2 1 0 1 = Port 5

G-8 Guest Information Display - Hotel Attendant Console

STEP	CMND	BIT	EXPLANATION
4	AHSY Index 110	Bit 0	Room key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Hotel - ATT Guest Information Service 0/1 = Not required/Required
		Bit 2	Not used
		Bit 3	Called Number Display on the Hotel Console 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D/PMS Terminal 0/1 Out/In service

Note 1: Assign Index 191 when five or more PMS terminals are used and Even/Odd is determined by the last digit of the Console Number.

G-9 Guest Information Display - PMS Terminal

General Description

This feature allows guest information to be displayed on the Special Administration station using a PMS port in the following cases:

- When the Special Administration station receives a call from a guest station.
- When the Special Administration station originates a call to a guest station.

Operating Procedure

Call termination from guest station

1. A call is terminated from a guest station to the Special Administration station. The guest information is displayed on the PMS terminal corresponding to the Special Administration station.
2. Replace the handset. The guest information disappears.

Call origination from Special Administration station to guest station

1. Lift the handset and dial the desired guest station number. The guest information is displayed on the monitor of the PMS terminal corresponding to the Special Administration station.
2. Replace the handset. The guest information disappears.

Service Conditions

1. Transfer of the guest information from PMS to Telephony Server shall be done within a maximum of 2 seconds.
2. To provide this service, a PMS computer is required.
3. To provide this service, a PMS interface port (or ports) dedicated to this service is required, in addition to general PMS interface ports. The required number of PMS interface ports dedicated to this service depends on the number of PMS terminals needed to display the guest information:

Number of PMS terminals	Number of PMS interface ports displaying guest information dedicated to this service
4 or less	1 port
5 or more	2 ports

4. The PMS interface port or ports used for guest information may be shared with GUEST INFORMATION DISPLAY - HOTEL Attendant Console [G-8] and Direct Assistance Interface [D-88].
5. The recommended data transfer speed on the PMS interface-BISYNC is 4800 (IMG (1 IMG system), 4800 bps or 9600 bps (4 IMG system). ASYNC 1200 bps may be used, depending on the PMS traffic.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 110	Bit 0	Room key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Hotel - ATT Guest Information Service 0/1 = Not required/Required
		Bit 2	Not used
		Bit 3	Called Number Display on the Hotel Console 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D/PMS Terminal 0/1 Out/In service

STEP	CMND	BIT	EXPLANATION
CRT Control Even Group Queue (Note 1)			
1	System Data 1 ASYD Index 190	Bit 0	I/O = Port designation to Host Computer Bit 2 Bit 1 Bit 0Bit 2 Bit 1 Bit 0 0 0 0 = Port 00 1 1 = Port 3
		Bit 1	0 0 1 = Port 11 0 0 = Port 4 0 1 0 = Port 21 0 1 = Port 5
		Bit 2	1 1 0 = Port 61 1 1 = Port 7
		Bit 3	Not used
		Bit 4	
		Bit 5	
		Bit 6	Transmission Protocol between Telephony Server and Host Computer Bit 7 Bit 6Bit 7 Bit 6
		Bit 7	0 0 = Out of Service1 0 = BSC 0 1 = Level 2A1 1 = Free Wheel

G-9 Guest Information Display - PMS Terminal

STEP	CMND	BIT	EXPLANATION
CRT Control Odd Group Queue (Note 1)			
2	System Data 1 ASYD Index 191	Bit 0	I/O = Port designation to Host Computer Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0 0 0 0 = Port 0 0 1 1 = Port 3 0 0 1 = Port 1 1 0 0 = Port 4 0 1 0 = Port 2 1 0 1 = Port 5

Note 1: Assign Index 191 when five or more PMS terminals are used.

Note: Depending on the last digit of the station number, Even Group Queue or Odd Group Queue is determined if five or more PMS terminals are used.

G-11 Guest Room Calling - Hotel Attendant

General Description

This feature allows the Console operator to display guest room information before calling a guest room.

Operating Procedure

1. The attendant answers an incoming call.
2. The attendant dials the guest's room number. The guest room information is displayed on the console. Guest station status is indicated on the Direct Station Selection (DSS) Lamp.
3. The attendant presses the START key or DSS key. The guest room rings.

Service Conditions

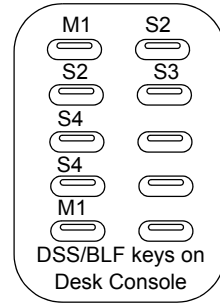
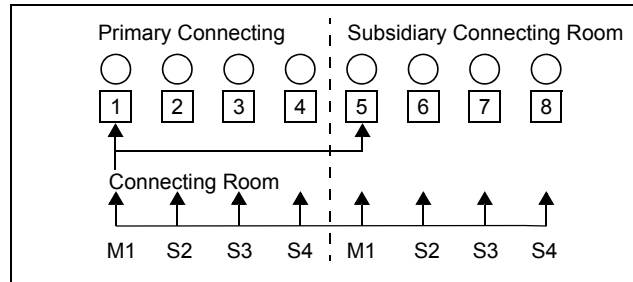
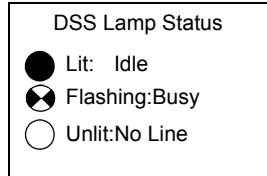
1. This feature is not effective when calling an administration station. When an administration station is called, the station is rung immediately after the dialing is completed by the Console.
2. The guest station status indication on the DSS lamp is the status at the time when the guest station number is dialed. This status display is not updated.
3. The correspondence between **DSS keys** and suite station numbers is shown below:
 - a.) When a guest station is called, the **START key** is used for an ordinary guest room; whereas in the case of a suite, the **START key** is used to call all stations, and a **DSS key** for an individual station.
 - b.) **DSS key**/station correspondence and lamp indications are shown on the following page.

DSS Key/Station Correspondence and Lamp Indications

- Suite Room and Single Room Display
- Connecting Room Display

When the Console dials a primary station, the DSS Keys and lamps are used. The status of the connecting room phones appear on the DSS lamps. Ringing is generated at the connecting room phones when the first DSS key or the START key is pressed. If a subsidiary phone DSS Key is pressed, only the corresponding subsidiary phone will ring. A busy connecting room station will show flashing on the DSS lamp and an idle connecting room phone will show solid.

If two ordinary rooms are connected, DSS Key #1 will display the status of the primary room, and DSS Key #05 will display the status of the subsidiary connecting room.



4. If DSS status display is not set in system data, the guest room rings immediately after being dialed.
5. When the secondary room of the Suite Room Service [S-75] is called by the DSS key, TIMING START For Hotel [T-21] is not effective.
6. This feature is not available for remote guest stations when Centralized Attendant is used in a CCIS network.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	ASYD System Data 1 Index 70	Bit 0	Called Number Display when Call Forwarding to Console 0/1 = Out/In service
		Bit 1	Flashing display of Line Lockout on Console BLF 0/1 = In/Out Service
		Bit 2	Route No. Display on Console Bit 3 Bit 2 0 0: TN RT TRK Bit 3 Bit 2 0 1: RT TRK
		Bit 3	
		Bit 4	One digit dialing instead of SHF (DP TEL only) 0/1 = Not required/Required Note: For hooking, dial any number while talking on the DP phone. However, 1 is recommended.
		Bit 5	Priority order for answering via ANSWER key 0 = Priority according to Type of Call 1 = Priority according to the order call termination
		Bit 6	Announcement Trunks used for Delay Announcement - UCD service 0/1 = Common/per UCD group
		Bit 7	Send Warning Tone to interrupted parties when Executive Right of Way service in operation 0/1 = Required/Not required

G-11 Guest Room Calling - Hotel Attendant

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 78	Bit 0	Calling and Intermediate Station Number Indication (Desktop terminal and Console) 0/1 = Out/In service (always assign “1”).
		Bit 1	Kind of Service Class indication (Desktop terminal) 0/1 = Out/In service (always assign “1”).
		Bit 2	Not used
		Bit 3	Station Number with Name Display 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	Name Display Service 0/1 = Out/In service
		Bit 6	Not used
		Bit 7	
3	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	DSS (Direct Station Section) keys 0/1 = Out/In service
		Bit 6	Timing Start using “#” Code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” Code 0/1 = Ineffective/Effective
4	AHSY Index 185	Bit 0	Not used
		Bit 1	Suite Room/Connecting Room Status Display 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	

G-11 Guest Room Calling - Hotel Attendant

STEP	CMND	BIT	EXPLANATION
5	AHSY Index 188	Bit 0	Processing for Suite Room Station/Connecting Room Station Busy Bit 1 Bit 0 0 0 = Busy Tone 0 1 = An idle station within the room is called 1 0 = The call is transferred to the Console if the caller is not the console operator.
		Bit 1	
		Bit 2	Fixed Data
		Bit 3	
		Bit 4	Not used
		Bit 5	When a call terminates to the Double Room Suite 0 = All stations ring simultaneously 1 = Alternately between Primary Suite and Secondary Suite
		Bit 6	Fixed Data
		Bit 7	Suite Room in Service 0/1 = Out/In service

G-21

Group Restriction

General Description

This feature allows the guest stations in a group to be restricted per the following conditions.

1. GROUP RESTRICTION is categorized as follows:

Category	Description
Outgoing Call Restriction	Guest stations in a group are restricted from originating a call.
Outgoing Station Call Restriction	Guest stations in a group are restricted from making a call to stations in the other groups.
Outgoing central office Call Restriction	Guest stations in a group are restricted from making a call to outside parties.
Incoming Call Restriction	Incoming calls to the guest stations in a group are restricted.
Incoming Station Call Restriction	Incoming calls from guest stations in the other groups are restricted.
Incoming central office Call Restriction	Incoming calls from Central Office are restricted
Outgoing and Incoming Call Restriction	Outgoing calls from guest stations in a group and incoming calls to the stations in a group are restricted.

2. Replacement of RSC:
RSC may be replaced while GROUP RESTRICTION is established, which allows selecting to restrict or not according to RSC (in case of station calls) at each route (in case of central office calls).
3. All others:
 - a.) All restrictions clear
The entry of GROUP RESTRICTION/Group to Group Connection is cleared by one operation.
 - b.) Restriction check
The status of GROUP RESTRICTION is checked at the Console.

Operating Procedure

To set Group Restriction from the Console

1. Press the GRS key. GRS Lamp lights and the console displays the title.
2. Enter the select number for the required restriction. The console displays its title according to the select number.

Key No.	Display	Feature
1	OUTGOING ENT	Outgoing Call Restriction
2	OG TO STA ENT	Outgoing Station Call Restriction
3	OG TO CO ENT	Outgoing Central Office Call Restriction
4	INCOMING ENT	Incoming Call Restriction

Key No.	Display	Feature
5	IC FROM STA ENT	Incoming Station Call Restriction
6	IC FROM CO ENT	Incoming Central Office Call Restriction
7	OG AND IC ENT	Outgoing and Incoming Call Restriction

3. Enter the group number.
4. Press the ENT key. "OK" and the restriction status are displayed.

To cancel GROUP RESTRICTION from the Console

1. Press the GRR key. The GRR Lamp lights and the console displays the title.
2. Enter the select number for the required restriction. The console displays its title according to the select number.

Key No.	Display	Feature
1	OUTGOING CLR	Outgoing Call Restriction
2	OG TO STA CLR	Outgoing Station Call Restriction
3	OG TO CO CLR	Outgoing Central Office Call Restriction
4	INCOMING CLR	Incoming Call Restriction
5	IC FROM STA CLR	Incoming Station Call Restriction
6	IC FROM CO CLR	Incoming Central Office Call Restriction
7	OG AND IC CLR	Outgoing and Incoming Call Restriction
*	ALL RESTRICTION CLR	All Restrictions Clear
#	RESTRICTION CHECK	Restriction Check

3. Enter the group number.
4. Press the ENT key. "OK" and the restriction status are displayed.

To operate from the PMS terminal, follow the operating procedure for the PMS terminal.**To set/cancel GROUP RESTRICTION**

ORSC:Outgoing restriction service class

0 = to cancel Outgoing Call Restriction

1 = to set Outgoing Station Call Restriction and cancel Outgoing central office Call Restriction

2 = to cancel Outgoing Station Call Restriction and set Outgoing central office Call Restriction

3 = to set Outgoing Call Restriction

IRSC:Incoming restriction service class

0 = to cancel Incoming Call Restriction

1 = to set Incoming Station Call Restriction and cancel Incoming central office Call Restriction

2 = to cancel Incoming Station Call Restriction and set Incoming central office Call Restriction

3 = to set Incoming Call Restriction

Service Conditions

1. This service may not be provided for guest rooms not checked in.
2. The maximum number of groups which may be registered to GROUP RESTRICTION is 2048.
3. Set/cancellation for GROUP RESTRICTION is available from the Console or according to texts from a PMS terminal.
4. When a guest in a group checks out, the room comes out of GROUP RESTRICTION. When all guests in a group checkout, GROUP RESTRICTION on this group is cleared.
5. A room added to the group after the entry of GROUP RESTRICTION is also restricted.
6. Station calls between rooms in the same group are permitted.
7. When both restrictions of Outgoing Station Call Restriction and Outgoing central office Call Restriction are set, Outgoing Call Restriction is established. When Incoming Station Call Restriction and Incoming central office Call Restriction are set, Incoming Call Restriction is established. Setting both restrictions of Outgoing Call Restriction and Incoming Call Restriction is the same as setting Outgoing and Incoming Call Restriction.
8. In case a group uses replacement of RSC service, it must set an RSC for GROUP RESTRICTION (1 ~ 15). In case replacement of RSC is not needed, "0" must be set.
9. When a call terminates to a guest station in a group with GROUP RESTRICTION, whether to restrict it or not is decided according to the originating party as follows.
 - When replacement of RSC is not assigned.

Originating Party	Connection
Guest station	Restricted without condition.
ADM/Console	Allowed without condition.
Outside	Restricted without condition.
Another group	Allowed if Group to Group Connection is entered.

- When replacement of RSC is assigned.

Originating Party	Connection
Guest station	Restricted according to restrictions of the replaced RSC.
ADM/Console	Restricted according to restrictions of the replaced RSC.
Outside	Restricted according to restrictions of the replaced RSC. If there is a restriction on the dummy route when the LCR service is used, any routes for outgoing calls are restricted.
Another group	Allowed if Group to Group Connection is entered. If not, according to restrictions of the replaced RSC. When another group is also set GROUP RESTRICTION, according to restrictions of the replaced RSC between groups.

10. The following are significations of restriction status displayed on the Hotel Console. However, setting status of Group to Group Connection is not displayed.

No display	No entry
"SO"	An entry of Outgoing Station Call Restriction exists
"CO"	An entry of Outgoing central office Call Restriction exists

“OG”	An entry of Outgoing Call Restriction exists
“SI”	An entry of Incoming Station Call Restriction exists
“CI”	An entry of Incoming central office Call Restriction exists
“IC”	An entry of Incoming Call Restriction exists

11. When incoming calls from the Console are restricted with GROUP RESTRICTION, the operator can call by pressing the **DDC** key.
12. If the entry of GROUP RESTRICTION cannot be read out from HP, the group is operated as if it is not restricted.
13. When a call is transferred to the Console by GROUP RESTRICTION, its destination is the **ICPT** key.
14. Even if the call diversion is set by GROUP RESTRICTION, the transferred call and so on is not connected to the diverted station. At this time, ROT is sent. In case of DIT from the Central Office, the current restriction operation is performed. (The call terminates to the Console.)
15. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

Interactions

1. GROUP RESTRICTION is not available when Do Not Disturb [D-11D] or RESTRICTION FROM OUTGOING CALLS [R-4] service is provided.
 - a.) When Do Not Disturb is set to a station in the group restricted with Incoming Call Restriction of GROUP RESTRICTIONS, the station is restricted with Do Not Disturb.
 - b.) When RESTRICTION FROM OUTGOING CALLS is set to a station in the group restricted with Outgoing Call Restriction of GROUP RESTRICTION, the station is restricted with RESTRICTION FROM OUTGOING CALLS.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
Assign GRS, GRR Key			
1	AHSY Index 114	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Console key designation 0/1 = Depending on System data 1, Index 160, Bit 3, Bit 4 (ASYD)/Index 115 to 126 (AHSY)
		Bit 6	Not used
		Bit 7	Consecutive Dialing from Console 0/1 = Not required/Required If data “1” is assigned, switch settings for the ATI card are necessary. (PA-CS33 SW17 element 2 = ON for no DTFM)

G-21 Group Restriction

STEP	CMND	BIT	EXPLANATION		
2	AHSY Index 115~126		Hotel Attendant Console Key Data 7 8 9 10 11 12 Operation Key Index 121 122 123 124 125 126 1 2 3 4 5 6 Operation Key Index 115 116 117 118 119 120 ENT CE END 81H - WU SET 92H - CHECKOUT 82H - WU RESET 93H - 83H - MW SET 94H - 84H - MW RESET 95H - central office CHANGE 85H - DD SET 96H - BOSS/SET ENT 86H - DD RESET 97H - BOSS/SEC RESET 87H - RC SET 98H - 88H - RC RESET 99H - 89H - STATUS 9AH - 8AH - AUDIT 9BH - 8BH - 9CH - 8CH - 9DH - 8DH - 9EH - 8EH - 9FH - GRP IND. RESET 8FH - A0H - GRP RESTRICTION SET 90H - A1H - GRP RESTRICTION RESET 91H - CHECK-IN AFH - GRSC SET		
		Assign Replacement Connection of RSC While the Restriction			
		3	AHSY Index 243	Bit 0	SO: Outgoing Station Call Restriction
				Bit 1	
				Bit 2	
				Bit 3	SI: Incoming Station Call Restriction
				Bit 4	
				Bit 5	
				Bit 6	
		Bit 7			

G-21 Group Restriction

STEP	CMND	BIT	EXPLANATION
4	AHSY Index 244	Bit 0	SOI: Outgoing/Incoming Station Call Restriction
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	OG: Outgoing Call Restriction
		Bit 5	
		Bit 6	IC: Incoming Call Restriction Bit 7 Bit 6 0 0 ROT 0 1 ATT 1 0 Announcement 1 1 Specified Station Call
		Bit 7	
5	AHSY Index 246	Bit 0	CO: Outgoing central office Call Restriction
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	CI: Incoming central office Call Restriction
		Bit 5	
		Bit 6	
		Bit 7	
6	AHSY Index 247	Bit 0	COI: Outgoing/Incoming central office Call Restriction
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	SV: 0/1 = Service Out/In
7	Assign Station Call Restriction for the replacement of RSC Yes/No = Go to Step 8/Go to Step 7N		

G-21 Group Restriction

STEP	CMND	EXPLANATION
7N	ASCR	Assign Mutual Outgoing Station Call Restriction Assign optional restriction data with the combination of the following station calls: - Outgoing Station Call Restriction - Incoming Station Call Restriction - Outgoing/Incoming Station Call Restriction END
8		Assign central office Restriction for the Replacement of RSC "0" Yes/No = Go to Step 9/Go to Step 8N.
8N	ARSC	Assign Route Restriction Class. Assign optional restriction data with the combination of the following station calls: - Outgoing central office Call Restriction - Incoming central office Call Restriction - Outgoing/Incoming central office Call Restriction END
9		Assign Restriction Connection to Specified Station Call Yes/No = Go to Step 9Y Through 10/Go To Step 11.
9Y	ASGD	Assign equipment group information to specified incoming call F = 1: Incoming Restriction F = 2: Outgoing Restriction
10	ASID	Assign equipment information to specified incoming call F = 1: Incoming Restriction F = 2: Outgoing Restriction END
11		Assign Restriction Connection to Announcement. Yes/No = Go To Step 11Y Through 16/The Procedure Ends Here.
11Y	ARTD	Assign Route Class Data Assign trunk Route Data connecting with announcement machine Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
12	ATRK	Assign Trunk Data Assign Trunk Data connecting with announcement machine
13	MBTK	Assign Make-Busy Data Release Make-Busy for announcement trunk
14	ARSC	Release Station and Announcement trunk restriction
15	ARRC	Assign Alternative Route Restriction Release incoming trunk and announcement trunk restriction
16	AAED /AAEDL Note 1	Assign Announcement Machine Data Assign Group Restriction Data EQP = 123: Group Outgoing Restriction EQP = 122: Group Incoming Restriction

Note: It is necessary to assign data to the corresponding console keys when AHSY, Index 114, Bit 5 is assigned.

Note: If the Desk Console is used, the key indications and Indexes are different from Telephony Server Attendant Console. Refer to the figure below.

Note 1: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.

G-21 Group Restriction

							Operation Key
Index	121	122	124	123	125	126	
							Operation Key
Index	115	116	118	117	119	120	

G-24D

Guest Station -D

General Description

This feature allows the Desktop terminal to be used as a guest station in the Hotel system. Various useful features such as HANDS FREE ANSWER BACK -D [H-4D] and Multiple Line Operation -D [M-20D] have become available for guest room stations.

In addition to time display, The Desktop terminal LCD is used for the following Hotel services:

Automatic Wake-Up	[A-10/A-27]
Calling Station Number Display	[C-32]
2ND WAKE UP CALL	[S-128]
Do Not Disturb	[D-11]
Room Cutoff	[R-9]
Message Waiting	[M-6]

The guest name and the room number of the calling/called party can be displayed on the Desktop terminal used as a guest station. Refer to the Guest Name Display -D [G-6D].

Note: This feature is not available for SIP Handler Controlled SIP terminal/SP Controlled SIP terminal.

Operating Procedure

To display applications on the XML browser of a terminal with a Hotel Button Unit Installed

To use applications on the XML browser of DT700 Series: DT750, press the following keys to start applications.

Menu Key: Accesses the URL assigned as “Home URL” in the configuration menu, and displays it on the XML browser.

Conf Key: Accesses the URL assigned as “Conf Key URL” in the configuration menu, and displays it on the XML browser.

For other operations, refer to the associated pages with regard to the operation of each service.

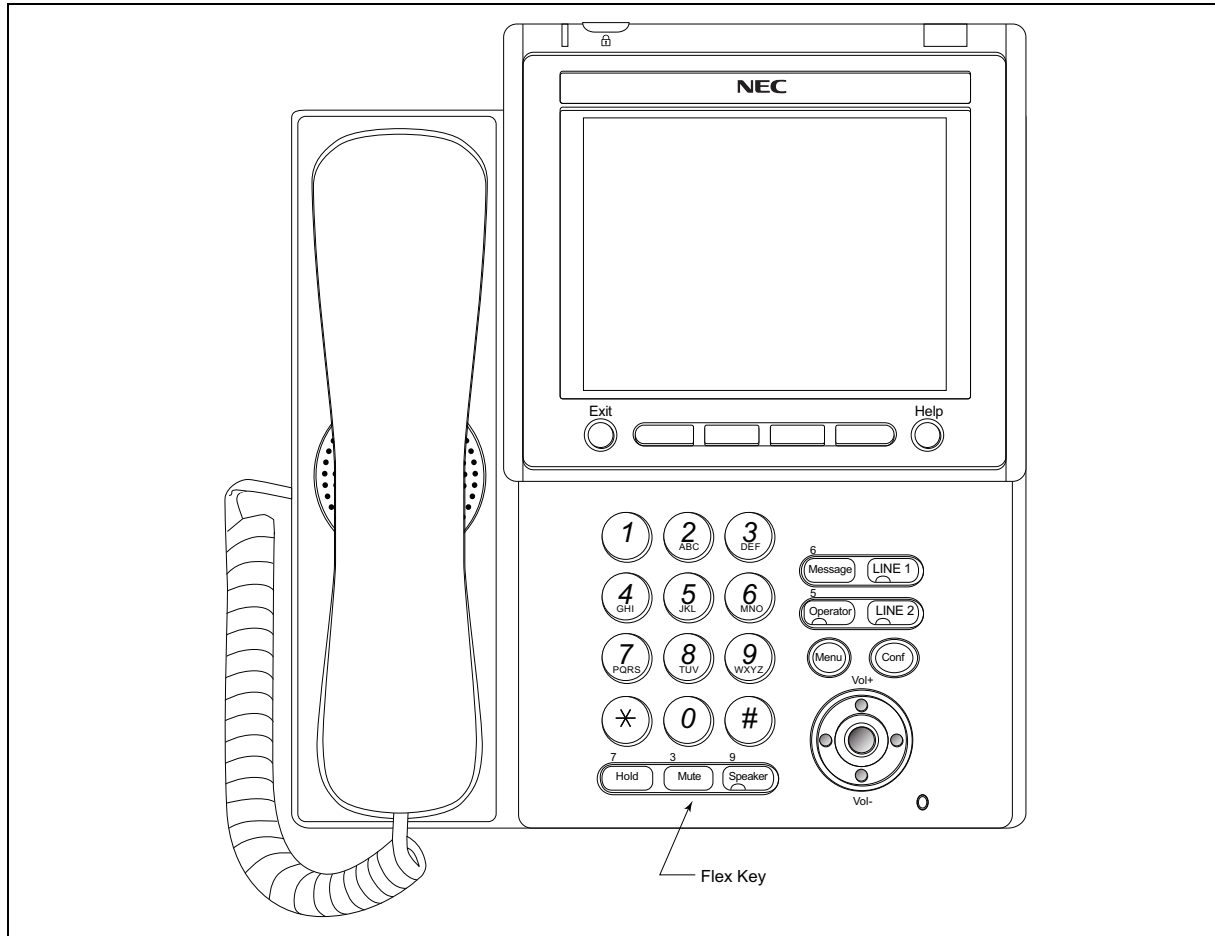
Service Conditions

1. Refer to the associated pages with regard to the operation of each service.
2. To display the Guest Name on the guest station, the system data assignment via PCPro is required.
3. The Guest Name display can be provided for a maximum of 64 stations at the same time.
4. The information to be displayed on the guest station is the same as that for the Special Administration station. Refer to the Guest Name Display -D [G-6D]
5. Message Waiting Lamp does not work when Do Not Disturb [D-151] is used.
6. Disabling Help key on Guest Station -D (AHSY, Index 532, Bit 1) is available for the following terminals to be registered as a guest station.
 - Digital terminal/IP terminal/SIP Multiple Line terminal
7. Always-Enabled Microphone and ANSWER key of Guest Station - D (AHSY, Index 532, Bit 2/3) are available for the following terminals to be registered as a guest station. **Note 1**
 - IP terminal/SIP Multiple Line terminal

Note 1: When a key is set in always-enabled status, the key can be manually disabled. To enable the key again, manual re-assignment or re-registration needs to be performed.

8. A Hotel Button Unit (specialized keys for guest stations in a Hotel system) can be installed to DT700 Series: DT750. The following shows conditions for DT700 Series: DT750 with a Hotel Button Unit installed.

DT700 Series: DT750 with a Hotel Button Unit Installed



- a.) A Hotel Button Unit “BS(S-HOTEL)-L(BK) UNIT” needs to be mounted on DT700 Series: DT750. For the procedure on how to install this Hotel Button Unit, refer to the guide which is attached to the Hotel Button Unit.
- b.) To activate this feature on this terminal, assign Flex Key data by the AKYD command. When Flex Key data is not assigned, the keys operate as follows;

Key Name	Performance
Message	SHF
Operator	Transfer
Speaker	Originate
Mute	Answer
Hold	Hold

- c.) You cannot use the local menu of this terminal because this Menu key does not access the local menu, but the Home URL.
- d.) Once this terminal starts up, [Config] in the administrator's menu cannot be opened by operations on the screen. To assign the configuration data, use Web programming application. **Note 2**
Or while the terminal is in off-line mode with its screen indicating "DHCP Connecting..." or "Connecting...", press "Hold" → "Operator" → "*" → "#" keys to open [Config] menu.
- e.) Assign Fixed Mode to XML browser settings in the configuration data. **Note 3**
- f.) When Fixed Mode is enabled, ENTER key, which is in the center of the Cursor key, and Left/Right-Cursor keys become exclusive for terminal-owned features; such as XML browser. Therefore, operations controlling the system such as accessing Short Cut Menu or Phone Book are not available.
- g.) When this feature is in service, LED on Mic key does not light. Even when you turn on the microphone, LED stays OFF.
- h.) You can use Speed Calling - Guest Station [S-156] by assigning data to Flex Keys.

Note 2: For Web programming application, refer to Peripheral Equipment Description (Multi-Line Telephone).

Note 3: When the application registered to Home URL is in Fixed Mode, the Telephony Server must set "Hold Fixation Mode" to HOLD key to retrieve a held call. Refer to "Non-exclusive Hold-D [N-7D] in Data Programming Manual - Business for details of "Hold Fixation Mode."

The Fixed Mode can be set [0.Config] - [6.Application Settings] - [1.XML Setting] - [2.XML Browser] - [4.Fixed Mode] - [2.Enable] on the menu.

Since the Fixed Mode can be set on an application individually, be sure to check whether the application on a URL to register is compliant with the Fixed Mode or not. When the Fixed Mode is set on an application individually, set [0.Config] - [6.Application Settings] - [1.XML Setting] - [2.XML Browser] - [4.Fixed Mode] - [3.App Priority] on the menu.

Also, refer to the manual (4.5.3 Security Lock) of IP Phone Manager, set the Lock Mode to Disable to disable the security button. To connect the phone and the IP Phone Manager, port numbers to use must match. Set the port number on the phone side from [0.Config] - [6.Application Setting] - [2.IPM Self Support].

Assignment Data

When using Digital terminal as a guest station;

STEP	CMND	BIT	EXPLANATION
1	ASYD SYS1 Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Console (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest and administration stations 0/1 = Separate/Common
		Bit 7	Fixed to "0".
2	AHSY Index 77	Bit 0	LCD Indication of Wake Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 1	LCD Indication of "DND" (Do Not Disturb) on the Desktop terminal 0/1 = -/Remains lit
		Bit 2	LCD Indication of "RC" (Room Cut Off) on the Desktop terminal 0/1 = -/Remains lit
		Bit 3	LCD Indication of Second Wake Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 4 - 7	Not used
3	AHSY Index 111	Bit 0	Fixed Data
		Bit 1	
		Bit 2	Not used
		Bit 3	Setting of message registration (Billing) data to be sent out to the PMS (effective when Index 111, Bit 6=1) Bit 4 Bit 3 0 0 = The pilot number is sent out in the case of Suite Room. The main room station number is sent out in the case of connecting room. 0 1 = The station number of each station within the room is sent out.
		Bit 4	
		Bit 5	Not used
		Bit 6	Connecting room PMS interface 0/1=Primary Room and Secondary Room/Primary Room only
		Bit 7	Connecting room 0/1 = Out/In service

G-24D Guest Station -D

STEP	CMND	BIT	EXPLANATION
4	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	Message Waiting Lamp Indication of “Do Not Disturb” 0/1 = Lights Steadily/Flashes
		Bit 3	Message Waiting Lamp Indication of “Do Not Disturb” 0/1 = Not required/Required
		Bit 4	Message Waiting Lamp 0/1 = Lights Steadily/Flashes
		Bit 5	Message Waiting Lamp Control 0/1 = Required/Not required
		Bit 6	2-Line Guest Name Display on a Desktop terminal 0/1 = Out/In service
		Bit 7	Not used
5	AHSY Index 186	Bit 0 - 4	Not used.
		Bit 5	Display the Guest Name after Check-Out. 0/1 = In service/Out
		Bit 6	Not used
		Bit 7	Double Suite Room Service 0/1 = Out/In service To activate Double Suite Room service, assign “1” to AHSY, Index 186, Bit 7 and Index 188, Bit 7.
6	AHSY Index 188	Bit 0	Processing for Suite Room Station/Connecting Room Station Busy 0=Busy Tone 1=An idle station within the room is called 2=From a station, the call is transferred to the Attendant Console if the caller is not the console operator.
		Bit 1	
		Bit 2	Fixed Data
		Bit 3	
		Bit 4	Not used
		Bit 5	When a call terminates to the Double Suite Room: 0/1 = All stations ring simultaneously/Alternately between Master Suite and Slave Suite
		Bit 6	Fixed Data
		Bit 7	Suite Room Service 0/1 = Out of service/In service

STEP	CMND	BIT	EXPLANATION
7	AHSY Index 189	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Calling an Individual Suite Room Station Calling 0: An individual Suite Room station can be called from a guest station, administration station, and Attendant Console. 1: An individual Suite Room station can be called from a Special Administration and Attendant Console.
		Bit 6	Ringling at the time of general calling in the Connecting Room or Suite Room stations. 0: Ringling all stations. 1: Ringling the station in the main room for the Connecting Room; ringling the Master station for a Suite Room
		Bit 7	Number to be dialed for general calling of the station in the Suite Room 0: Master station number or Pilot (Phantom) Number 1: Only Pilot (Phantom) Number
8	AHSY Index 449	Bit 5	Guest Name Display for the Desktop terminal to be used as guest station 0/1 = Not required/Required
9	AHSY Index 532	Bit 1	Guest Station -D Help key display 0/1 = Out of service/In service
		Bit 2	Always-Enabled Microphone of Guest Station -D 0/1 = Out of service/In service
		Bit 3	Always-Enabled ANSWER key of Guest Station -D 0/1 = Out of service/In service
STEP	CMND	EXPLANATION	
10	AGNP	For guest stations, assign minimum necessary number of digits for the first number.	
11	AGST	Assign station data for guest station TEC = 12 (Dterm) / 18 (Virtual Line) Room Class = 15 (guest station)	
12	AHSU	Assign the guest station (AISTL) as suite room station. TYPE[0/1] 0=Single Suite Room 1=Double Suite Room	
13	AKYD	Assign the following key data on the guest station Desktop terminal Line/Feature key FKY 87 (Wake Up Set) 89 (Do Not Disturb Set) 91 (Room Cutoff Set) 93 (Message Waiting Set)	

When using IP terminal/SIP Multiple Line terminal as a guest station;

STEP	CMND	BIT	EXPLANATION
1	ASYD SYS1 Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Console (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest and administration stations 0/1 = Separate/Common
		Bit 7	Fixed to "0".
2	AHSY Index 77	Bit 0	LCD Indication of Wake Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 1	LCD Indication of "DND" (Do Not Disturb) on the Desktop terminal 0/1 = -/Remains lit
		Bit 2	LCD Indication of "RC" (Room Cut Off) on the Desktop terminal 0/1 = -/Remains lit
		Bit 3	LCD Indication of Second Wake Up time on the Desktop terminal 0/1 = -/Remains lit
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	
3	AHSY Index 111	Bit 0	Fixed Data
		Bit 1	
		Bit 2	Not used
		Bit 3	Setting of message registration (Billing) data to be sent out to the PMS (effective when Index 111, Bit 6=1) Bit 4 Bit 3
		Bit 4	
			0 0 = The pilot number is sent out in the case of Suite Room. The main room station number is sent out in the case of connecting room.
			0 1 = The station number of each station within the room is sent out.
		Bit 5	Not used
		Bit 6	Connecting room PMS interface 0/1=Primary Room and Secondary Room/Primary Room only
		Bit 7	Connecting room 0/1 = Out/In service

G-24D Guest Station -D

STEP	CMND	BIT	EXPLANATION
4	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	Message Waiting Lamp Indication of “Do Not Disturb” 0/1 = Lights Steadily/Flashes
		Bit 3	Message Waiting Lamp Indication of “Do Not Disturb” 0/1 = Not required/Required
		Bit 4	Message Waiting Lamp 0/1 = Lights Steadily/Flashes
		Bit 5	Message Waiting Lamp Control 0/1 = Required/Not required
		Bit 6	2-Line Guest Name Display on a Desktop terminal 0/1 = Out/In service
		Bit 7	Not used
5	AHSY Index 186	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Display the Guest Name after Check-Out. 0/1 = In service/Out
		Bit 6	Not used
		Bit 7	Double Suite Room Service 0/1 = Out/In service To activate Double Suite Room service, assign “1” to AHSY, Index 186, Bit 7 and Index 188, Bit 7.
6	AHSY Index 188	Bit 0	Processing for Suite Room Station/Connecting Room Station Busy 0=Busy Tone
		Bit 1	1=An idle station within the room is called 2=From a station, the call is transferred to the Attendant Console if the caller is not the console operator.
		Bit 2	Fixed Data
		Bit 3	
		Bit 4	Not used
		Bit 5	When a call terminates to the Double Suite Room: 0/1 = All stations ring simultaneously/Alternately between Master Suite and Slave Suite
		Bit 6	Fixed Data
		Bit 7	Suite Room Service 0/1 = Out of service/In service

G-24D Guest Station -D

STEP	CMND	BIT	EXPLANATION
7	AHSY Index 189	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Calling an Individual Suite Room Station Calling 0: An individual Suite Room station can be called from a guest station, administration station, and Attendant Console. 1: An individual Suite Room station can be called from the Special Administration station and Attendant Console.
		Bit 6	Ringling at the time of general calling in the Connecting Room or Suite Room stations. 0: Ringling all stations. 1: Ringling the station in the main room for the Connecting Room; ringling the Master station for a Suite Room Note 4 Note 4: Only available when all the secondary stations are analog terminals. When secondary stations include a Desktop terminal, assign AHSY Index 68, Bit 4=0 to allow only the primary station to ring in a suite room.
		Bit 7	Number to be dialed for general calling of the station in the Suite Room 0: Master station number or Pilot (Phantom) Number 1: Only Pilot (Phantom) Number
8	AHSY Index 449	Bit 5	Guest Name Display for the Desktop terminal to be used as guest station 0/1 = Not required/Required
9	AHSY Index 532	Bit 1	Guest Station -D Help key display 0/1 = Out of service/In service
		Bit 2	Always-Enabled Microphone of Guest Station -D 0/1 = Out of service/In service
		Bit 3	Always-Enabled ANSWER key of Guest Station -D 0/1 = Out of service/In service
STEP	CMND	EXPLANATION	
10	AGNP	For guest stations, assign minimum necessary number of digits for the first number.	
11	AISTL	Assign IP station data. TN: Tenant Number IP STN: Station number of each IP Terminal (a maximum of 5 digits) KIND: Select either item in combo box. TEC: 12 = Dterm (voice)/13 Connection to data terminal via Dterm (using adapter)/16 = Data Terminal via Data Module SFC: Service Feature Restriction Class [0-15] LENS: IP Station Equipment Numbers. Allocate the IP Enabled Dterm to the LENS of vacant Slot on which the Station/Trunk is not mounted. (IP Terminals cannot be assigned to the already registered Station in duplicate.)	

STEP	CMND	EXPLANATION
12	ALGSN	Assign Telephone Number to the Destination station number. TYPE=2 (Station number is used to specify the Telephone Number) UGN: User Group Number (1-255) TELN: Telephone Number (maximum 16-digit) FPC: Fusion Point Code (1-253) TN: Tenant Number (1-255) STN: Station number of destination
13	AHSU	Assign the guest station (AISTL) as suite room station. TYPE[0/1] 0=Single Suite Room 1=Double Suite Room
14	AKYD	Assign the following key data on the guest station Desktop terminal Line/Feature key FKY 87 (Wake Up Set) 89 (Do Not Disturb Set) 91 (Room Cutoff Set) 93 (Message Waiting Set)

When using DT700 Series: DT750 with a Hotel Button Unit installed as a guest station;

When using a terminal with a Hotel Button Unit installed, assign the following data in addition to the data assignment “when using IP terminal/SIP Multiple Line terminal as a guest station.”

STEP	CMND	EXPLANATION
1	AKYD	Assign the following key data on the guest station key. TP: 3 (24-button type [(Changes occur to Flex keys)]) For LINE 1 Key KYN: 32, KYI: 2 (Multi-line Key), KD: 0 (Line), STN: 1 (LINE 1 Station Number) For LINE 2 Key KYN: 31, KYI: 2 (Multi-line Key), KD: 0 (Line), STN: 2 (LINE 2 Station Number) For Mute Key KYN2: 3, KYI2: 1 (Flex Key), FKY: 124 (Mute) For Hotel One-Touch Calling Service Key 1 Note 5 KYN2: 5, KYI2: 1 (Flex Key), FKY: 168 (Hotel One-Touch Calling Service 1) For Hotel One-Touch Calling Service Key 2 Note 5 KYN2: 6, KYI2: 1 (Flex Key), FKY: 169 (Hotel One-Touch Calling Service 2) For HOLD key KYN2: 7, KYI2: 1 (Flex Key), FKY: 20 (Hold) For SPEAKER key KYN2: 9, KYI2: 1 (Flex Key), FKY: 52 (Speaker) <b style="color: red;">Note 5: Other Hotel One-Touch Calling Service Keys are also available to assign the data.

STEP	CMND	EXPLANATION
2	AHSPL/ AHSP	Assign Hotel One-Touch Calling Service Data TN: Tenant Number (1-63) D/N: Day/Night (D/N) ANNEX: Annex (0-3) GROUND: Ground/Underground (0/1) FLOOR: Floor Level (1-127) NO: Hotel One-Touch Calling Service Key (1-8: For display only) DC: Dialing Number (Maximum 24 digits)

Note: On DT700 Series: DT750 terminal with a Hotel Button Unit installed, assign the following configuration data.

1. To display the login screen, press “Hold” → “Operator” → “*” → “#” keys.
2. Enter a password on the login screen and go to the [Config] menu screen (default password: 6633222).
3. Assign the following URLs.
 - Home URL
Select [6.Application Settings] - [1.XML Settings] - [2.XML Browser] - [1.Home URL] and assign the URL on the screen.
 - Conf Key URL
Select [6.Application Settings] - [1.XML Settings] - [4.Conf Key URL] and assign the URL on the screen.
4. Save the entered data and restart the terminal.

G-25

Guest Name Display - PS

General Description

This feature allows PS to display the information of guest name on the LCD. This feature has two functions, Guest Name Display and Display the Guest Room Information.

1. Guest Name Display

This function can display the registered information on a station-to-station call. Displayed information (such as Guest Name) is assigned per station number. While calling to the guest room, LCD displays the Guest Name which is registered at the time of Check-In.

[Details of Guest Name Display] **Note 1**

2. Display The Guest Room Information

This function allows PS to display the guest room information (such as Guest Name or Room Status) on the LCD. When dialing Access code for Display the Guest Room and Guest Room station number, the Guest Name is displayed. And then the PS display changes to the Room Status. **Note 2**

[Details of Room Status Display Pattern 1] **Note 1**

[Details of Room Status Display Pattern 2] **Note 1**

Note 1: Refer to the latter part of this description.

Note 2: Changeover time from Guest Name to Room Status and display pattern can be assigned by AHSY command (Index 450).

Operating Procedure

Display the Guest Room Information

- When access code operation that uses enbloc sending is valid. (ASYD, Index 420, Bit 0=1)

Step	Action	Result
1	• Dial the Display the Guest Room access code and Guest Room station number. • Go off-hook.	• Hear the Music-on Hold Tone. • Guest Name is displayed on LCD. • After about three seconds (default setting), Room Status will be displayed on the LCD.

- When using enbloc sending

Step	Action	Result
1	• Dial the Display the Guest Room access code. • Go off-hook.	Hear the Second Dial Tone.
2	Dial the Guest Room station number.	• Hear the Music-on Hold Tone. • Guest Name is displayed on LCD. • After about three seconds (default setting), Room Status will be displayed on the LCD.

- When using overlap sending

Step	Action	Result
1	Go off-hook.	Hear the Dial Tone.
2	Dial the Display the Guest Room access code.	Hear the Second Dial Tone.
3	Dial the Guest Room station number.	• Hear the Music-on Hold Tone. • Guest Name is displayed on LCD. • After about three seconds (default setting), Room Status will be displayed on the LCD.

Service Conditions

1. Guest Name Display
 - a.) When AHSY, Index 450, Bit 4 is 0 (display “CF:”) in the following services, LCD can display maximum 11 characters including “CF:” Guest information is displayed only for the first 8 characters.
 - Call Forwarding - Busy Line [C-2]
 - Call Forwarding - Don’t Answer [C-3]
 - Call Forwarding - All Calls [C-5]
 - Call Forwarding - PS Incoming Incomplete
 - b.) When Guest Name information is not registered, LCD displays the station number.

- c.) PS Location Information Display service does not work when Outgoing Call to PS and Incoming Call from PS are performed.
 - d.) PS Location Information Display service does not work when PS encounters handover.
 - e.) PS Location Information Display service can display only the first 4 characters.
 - f.) This feature is available only with following services.
 - STATION-TO-STATION CALLING (Administration/PS/Guest Room)
 - Call Forwarding - Busy Line [C-2]
 - Call Forwarding - Don't Answer [C-3]
 - Call Forwarding - All Calls [C-5]
 - Call Forwarding - PS Incoming Incomplete
 - Call Forwarding - Dropped Calls [C-161]
 - CALL WAITING - TERMINATING [C-12]
 - CALL TRANSFER - ALL CALLS [C-11]
 - g.) Only PS and Hotel Attendant Console can display Location Information.
 - h.) Be sure to assign the Guest Name Information of ISDN PS terminal to B1 channel. If you assign the information to B2 channel, Guest Name is not displayed.
2. Display The Guest Room Information
- a.) This service works with PS which is assigned to Special Admin. Station (ASFC SFI:45). When dialing PS whose SFI is restricted or dialing Display the Guest Room access code, calling PS receives Reorder Tone.
 - b.) When Desktop terminal or ISDN terminal dials Display the Guest Room access code, the user hears Reorder Tone.
 - c.) Changeover time from Guest Name display to Room Status display can be selected from 1-7 seconds (AHSY, Index 450).
 - d.) While using Display the Guest Room Information, the user hears Music-on Hold Tone.
 - e.) When originating to PS searching the Guest Room Information, calling party hears Busy Tone. In this case, services related to Busy Line is restricted.
 - f.) Display the Guest Room Information can be performed even if Guest Room Station is busy.
 - g.) Display the Information of the same Guest Room from multiple PSs is available.
 - h.) PS displaying Guest Room Information can not perform hold operation.
 - i.) If PS encounters Incoming Call while setting Display the Guest Room Information by enblock sending (before off-hook), setting becomes unavailable.
 - j.) You can not perform handover while using this service. If you do, call is disconnected and caller hears Reorder Tone.
 - k.) Display the Guest Room Information is displayed for only three minutes from display Guest Name. After that, the user hears Reorder Tone.
 - l.) If Guest Room Information is not registered, the LCD does not displays any information.
 - m.) When searching the Suite Room or double suite room Information, Guest Room Information of primary station is displayed.
 - n.) When searching the Connecting Room Information, Primary Station of Primary Room is displayed in Primary Room. In Secondary Room, Primary Station of Secondary Room is displayed.
 - o.) When a PS is placed in Out of Zone state (**Note 3**) while displaying the guest room information, the PS is disconnected.

Note 3: When a PS is in the following state, it is treated as in the case of PS Out of Zone.

- PS is turned off.
 - PS is outside the wireless area of the CS with SYS-ID (Sub SYS-ID or Network ID for roaming) which has been written into the PS.
 - Speech channels of all of the CSs around the PS are all busy.
- p.) Current information of Guest Name and Room Status can be displayed at any time.
- q.) Expanded function for Display the Guest Room Information (room status display of Cleaning, Inspecting, Departure date, Vacant, and Out of order) works when AHSY, Index 110, Bit 0=0 (Room Key Interface is out of service).
- r.) The PS searching the Guest Room Information cannot move to other zone by handover.
- s.) Display of the Guest Room Information cannot be activated when the searched PS moves to other zone by handover.

Assignment Procedure

STEP	CMND	EXPLANATION	
1	ASYD System Data 1 Index 31	Mounting capacity of Common Memory (CM) Assign 06 Hexadecimal. Note: When you change this data while the system is running, initialize the system.	
STEP	CMND	BIT	EXPLANATION
2	ASYD System Data 1 Index 78	Bit 0	Calling and intermediate station number indication (Desktop terminal and ATTCON) 0/1 = Out/In service (always assign “1.”)
		Bit 1	Kind of Service Class indication (Desktop terminal) 0/1 = Out/In service (always assign “1.”)
		Bit 2	Not used.
		Bit 3	Station number with Name Display 0/1 = Out/In service
		Bit 4	Fixed to “0”.
		Bit 5	Name Display service 0/1 = Out/In service
		Bit 6	Not used.
		Bit 7	
3	ASYD System Data 1 Index 79	Bit 0	Line Preference Service via AKYD 0/1 = Out/In service
		Bit 1	Not used.
		Bit 2	Split Call Forwarding Service 0/1 = Out/In service
		Bit 3	Not used
		Bit 4	Not tone control at the time of SCF: Monitor connection 0/1 = Out/In service
		Bit 5	Name Display Enhance Service 0/1 = Out/In service
		Bit 6	OAI/ACD Service 0/1 = Out/In service Note: When OAI/ACD service is out of service, this data is assigned “1.” When changing this Bit to “0 (OAI/ACD service provided)” from “1 (OAI/ACD service NOT provided)” system initialization must be executed.
		Bit 7	Not used.

G-25 Guest Name Display - PS

STEP	CMND	BIT	EXPLANATION
4	ASYD System Data 1 Index 241	Bit 0	Data Port Chime Control by SCF 0/1 = To be controlled/Not to be controlled
		Bit 1	The number of digits displayed in Name Display Service 0/1 = 8 digits/16 digits
		Bit 2	OAI Call Event Process/SMFN (Call Status Monitor Facility Notification) 0/1 = No/Yes
		Bit 3	Detailed Information on SCF error 0/1 = No/Yes
		Bit 4	MF ANI on SMDR 0/1 = No/Yes
		Bit 5	Privacy Release for single line 0/1 = No/Yes
		Bit 6	When the length of Caller ID exceeds the limit: 0/1 = Only the former/latter part of data appears on the LCD
		Bit 7	Not used.
STEP	CMND	EXPLANATION	
5	ANPDL/ ANPDN	Assign the first digit of service access code. 1st DIGIT CODE [0-9,*,#]	
6	ASPAL/ ASPAN	Assign the access code for Display the Guest Room Information. CI = "N: Normal", SRV = "SSC: Service Code", SID = 36, STATE = 70 Note: Access code at the only assigned node is available when setting by ASPAL command. Note: Access code at all the node connected to FCCS is available when setting by ASPAN command. Note: When an access code is assigned by both ASPAL and ASPAN command in the same node individually, both Access Codes are available in that node.	

G-25 Guest Name Display - PS

STEP	CMND	BIT	EXPLANATION
9	AHSY Index 107	Bit 0	Display Pattern for termination 0 = Pattern 1
		Bit 1	1 = Pattern 2 2/3 = Pattern 3
		Bit 2	Display Pattern for call origination 0/3 = Pattern 4
		Bit 3	1 = Pattern 5 2 = Pattern 6
		Bit 4	Display Pattern for answering a call, or the caller answers a call originating by Desktop terminal.
		Bit 5	0/1 = Pattern 7 2 = Pattern 8 3 = Pattern 9
		Bit 6	Tenant of Desktop terminal that displays Guest Name 0/1 = All tenants/Only Tenant no.1
		Bit 7	Guest Name Display on Desktop terminal 1: Display pattern is determined as per the contents of b₀ through b₆ Option A and B 0: VIP and LANG Note: Bit 7 = 0: When PMS model 60/90/120. Bit 7 = 1: When PMS model 90, 120.
10	AHSY Index 110	Bit 0	Room key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Attendant Console Guest Information Service 0/1 = Not required/Required
		Bit 2	Not used.
		Bit 3	Called Number Display on the Attendant Console 0/1 = Out/In service
		Bit 4	Not used.
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D/PMS Terminal Model 120 0/1 = Out/In service

G-25 Guest Name Display - PS

STEP	CMND	BIT	EXPLANATION
11	AHSY Index 105	Bit 0	Not used.
		Bit 1	Masking of Guest Name Display on Desktop terminal 0/1 = Out of service /In service Note: When a letter * is assigned for the 1st character of the Guest Name, the display shows 16 letters of * as *****.
		Bit 2	Maid Dial service from Attendant Console 0/1 = Not required/Required
		Bit 3	Office Name Display on Attendant Console assigned at AOFC or ASYD System data 1, Index 96 through 115. 0/1 = In/Out of Service
		Bit 4	Pattern of Wake-Up Time Indication on the Attendant Console 0/1 = 24-Hour/12-Hour System
		Bit 5	Not used.
		Bit 6	
		Bit 7	Guest Name Display on Attendant Console 0/1 = Interface Type Model 60, 90, 120/Model90,120
12	AHSY Index 186	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Display the Guest Name after Check-Out. 0/1 = In service/Out
		Bit 6	Not used.
		Bit 7	Double Suite Room Service 0/1 = Out/In service
13	AHSY Index 67	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	Change the displayed number of digits for Guest Name Display-PS feature (maximum 12 digits) 0/1 = Out/In service
		Bit 4	Not used.
		Bit 5	
		Bit 6	
		Bit 7	
14	AHSY Index 1-32		For displaying the kind of language information, assign the data by 2 or 4 characters of ASCII code (Indexes 1 through 32).

G-25 Guest Name Display - PS

STEP	CMND	BIT	EXPLANATION
15	AHSY Index 100	Bit 0	Number of times of Wake-Up Answer retry. 0 = No answer retry 0 times
		Bit 1	1 = No answer retry 1 times 2 = No answer retry 2 times 3 = No answer retry 3 times
		Bit 2	Number of characters in language information display 0/1 = 4 characters/2 characters
		Bit 3	Restriction for hooking when a guest station has originated an outgoing central office line call. 0/1 = Required/Not required
		Bit 4	Not used.
		Bit 5	
		Bit 6	Overtime Call when a station user places a central office trunk call 0 = Admin. & Gst. go to Attendant Console
16	AHSY Index 179	Bit 7	Key that means the P.M. in the case where Wake-Up times is set by the 12-hour system. (For Automatic Wake-Up Service) 0/1 = *Key/#Key
		Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Designation of guest access code Note 4
		Bit 5	0 = Out of Service
		Bit 6	1-9 = 1-9
		Bit 7	A = 0
			B = *
			C = #

Note 4: The Number code entered will be replaced by a “#” on all Desktop terminal/Attendant Displays. If the station numbering plan is 7000-7099, this index would be assigned as 70 hex. All consoles and Desktop terminals would display #000-#099.

STEP	CMND	BIT	EXPLANATION		
17	AHSY Index 463	Bit 0	Digits Code 0	Access code for Originating Call When Incoming Call from Attendant Console to PS, dis- play the calling number	Note: When the dial ac- cess code con- tains “0,” enter “A” for “0.” Example: When the dial access code is “9- 202”.
		Bit 1			
		Bit 2			
		Bit 3			
		Bit 4	Digits Code 1		
		Bit 5			
		Bit 6			
		Bit 7			
	AHSY Index 464	Bit 0	Digits Code 2		
		Bit 1			
		Bit 2			
		Bit 3			
		Bit 4	Digits Code 3		
		Bit 5			
		Bit 6			
		Bit 7			
	AHSY Index 465	Bit 0	Digits Code 4		
		Bit 1			
		Bit 2			
		Bit 3			
		Bit 4	Digits Code 5		
		Bit 5			
		Bit 6			
		Bit 7			
18	ASFC		SFC: Service Feature Restriction Class SFI=45 (Special Admin. Station) RES=1		
19	ANCS		Register Location Information Display for CS. PCN: PHS Community Number [1-1024] ERN: Area Number [1-32] GRN: Group Number [1-8] CSN: CS Number [1-32] NAME: User Information Note: You must register the CS information by ACSDL/ACSDN command in advance.		

Examples of LCD display

STATION-TO-STATION CALL

(1) When dialing PS [S. HANAKO] from PS [Y. TARO]

(a) LCD display of calling PS (Hearing Ring Back Tone)

User Information of called party (11 digits)

S . H A N A K O

(b) LCD display of called PS (Hearing Ringing Tone)

User Information of calling party (11 digits)

Y . T A R O

(2) When called PS answers

(a) LCD display of calling PS

Location Information of called party (4 digits)

M 1 0 S

(b) LCD display of called PS

Location Information of calling party (4 digits)

M 1 0 N

Transferred call:

When a call is transferred to PS from PS/business station/Attendant Console by Call Forwarding - All Calls/Busy Line/Don't Answer/PS Incoming Complete.

(1) When not displaying "CF: " (AHSY, Index 450, Bit 4=1)

(a) LCD display of calling PS (Hearing Ring Back Tone)

S . H A N A K O

User Information of called party (11 digits)

(b) LCD display of called PS (Hearing Ringing Tone)

<When calling party is PS or Station-to Station Call >

Y . T A R O

User Information of calling party (11 digits)

<When calling party is Attendant Console >

O P R

Attendant Console (3 digits)

(2) When displaying "CF: " (AHSY, Index 450, Bit 4=0)

(a) LCD display of calling PS (Hearing Ring Back Tone)

C F : S . H A N A K O

User Information of called party (11 digits)

(b) LCD display of called PS (Hearing Ringing Tone)

<When calling party is PS or Station-to-Station Call >

C F : Y . T A R O U

User Information of calling party (11 digits)

Note: Incoming Call can be recorded up to 11 characters including "CF: " (three characters).

<When calling party is Attendant Console >

C F : O P R

Attendant Console (3 digits)

(a) LCD display of calling PS (Hearing Ring Back Tone)

Location Information of called party (4 digits)

<When calling party is PS or Station-to Station Call >

Location Information of calling party (4 digits)

Attendant Console (3 digits)

When called PS holds and transfers the call:

(1) When PS [S. JIROU] holds the PS [Y. TAROU] , and then transfer the call to PS [S. HANAKO]

(a) LCD display of PS [S. JIROU] (Hearing Ring Back Tone)

S . H A N A K O

User Information of called party (11 digits)

(b) LCD display of transfered PS [S. HANAKO] (Hearing Ringing Tone)

C F : S . J I R O U

User Information of calling party (11 digits)

(2) When PS [S.JIROU] releases before transfered PS [S. HANAKO] answers

(a) LCD display of calling PS [Y. TAROU]

S . H A N A K O

User Information of called party (11 digits)

(b) LCD display of transfered PS [S. HANAKO] (Hearing Ringing Tone)

C F : S . J I R O U

User Information of calling party (11 digits)

(3) When transfered PS [S. HANAKO] answers the PS [S. JIROU]

(a) LCD display of PS [S. JIROU]

M 1 0 S

Location Information of called party (4 digits)

(b) LCD display of transfered PS [S. HANAKO]

M 0 9 N

Location Information of calling party (4 digits)

(c) LCD display of calling PS [Y. TAROU] after PS [S.JIROU] releases

M 1 0 S

Location Information of called party (4 digits)

(d) LCD display of transfered PS [S. HANAKO] after PS [S. JIROU] releases

M 1 0 N

Location Information of called party (4 digits)

Call Waiting:

(1) When calling PS [Y. TAROU] do the calls waiting the speaking PS [S. HANAKO]

(a) LCD display of calling PS [Y. TAROU] (Hearing Ring Back Tone)

S. HANAKO

User Information of called party (11 digits)

(b) LCD display of call waited PS [S. HANAKO] (When releasing)

S. J I R O U

User Information of calling party (11 digits)

(c) LCD display of call waited PS [S. HANAKO] (When hooking while talking or answering after release)

M 1 0 N

Location Information of called party (4 digits)

Call to Guest Room:

(1) When dialing Guest Room station number from PS

(a) LCD display of calling PS (Hearing Ring Back Tone)

S. HANAKO

User Information of called party (11 digits)

(2) When answering to Guest Room Station Call

(a) LCD display of calling PS

Attendant Console:

(1) When calling Attendant Console from PS

(a) LCD display of calling PS (Hearing Ring Back Tone)

O P R

Attendant Console (3 digits)

(b) LCD display of calling PS when Attendant Console answers

O P R

Attendant Console (3 digits)

(2) When calling PS from Attendant Console

(a) LCD display of called PS (Ringing Tone)

O P R

Attendant Console (3 digits)

(b) LCD display of called PS when answers

O P R

Attendant Console (3 digits)

Trunk Call:

(1) When Incoming Call from Trunk (displays the calling number)

(a) LCD display of Incoming PS (Ringing Tone)

0 4 7 1 8 2 1 1 1 1

Calling Party Number (11 digits)

(b) LCD display of speaking PS

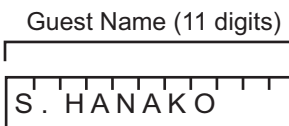
0 4 7 1 8 2 1 1 1 1

Calling Party Number (11 digits)

Note: Incoming Call can be recorded up to 11 characters.

Room Status Display: Pattern 1

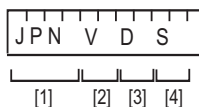
Guest Name:



AHSY, Index 105, Bit 1=1 and the first digit of Guest Name is “*”, 11 “*” is displayed.
When Guest Name is not assigned, LCD displays none.

Room Status Pattern 1 (AHSY, Index 450, Bit 3=0)

Changeover time from Guest Name Display to Room Status Display is assigned by AHSY command. (Index 450, Bit 0-2)



[1] Language/Option Data-A

AHSY, Index 107, Bit 7=0: Display Language

JPN. =Japanese
ENG. =English
GER. =German
FR. =French
SP. =Spanish
CHIN=Chinese
RUSS=Russian

Note: If language data is assigned by AHSY command (Index 1-32), that character has priority.

AHSY, Index 107, Bit 7=1: Display Option data-A

Display the Option data-A (Guest Room data). (Three characters)

[2] Rank of Guest Room/Option Data-B

AHSY, Index 107, Bit 7=0: Rank of Guest Room

V (VIP)=Very Important Person
Null=Public Guest

AHSY, Index 107, Bit 7=0: Option Data-B

Display the first character of Option Data-B (Guest Room Data)

[3] DND (Do Not Disturb) Service

D=In service

Null=Out of Service

[4] STAY/OUT

AHSY, Index 110, Bit 0=0: (Room Key Interface is absent)

- AHSY, Index 449, Bit 6=0: (Expansion for Guest Room Information Display is out of service)

S=Check-In

O=Check-Out

- AHSY, Index 449, Bit 6=1: (Expansion for Guest Room Information Display is in service)

S=Check-In

O=Check-Out

D=Departure date

C=Cleaning

I=Inspecting

V=Vacant

X=Out of order

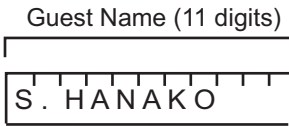
AHSY, Index 110, Bit 0=1: (Room Key Interface is present)

S=STAY

O=OUT

Room Status Display: Pattern 2

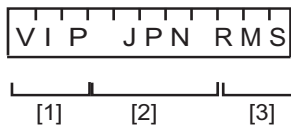
Guest Name:



AHSY, Index 105, Bit 1=1 and the first digit of Guest Name is “*”, 16 “*” is displayed.
When Guest Name is not assigned, LCD displays none.

Room Status Pattern 2 (AHSY, Index 450, Bit 3=1)

Changeover time from Guest Name Display to Room Status Display is assigned by AHSY command. (Index 450, Bit 0-2)



[1] Rank of Guest Room/Option Data-A

AHSY, Index 107, Bit 7=0: Rank of Guest Room

V (VIP)=Very Important Person

Null=Public Guest

AHSY, Index 107, Bit 7=1: Option Data-A

Display the first character of Option Data A (Guest Room Data)

[2] Language/Option Data-B

ASHY, Index 107, Bit 7=0: Display Language

JPN. =Japanese

ENG. =English

GER. =German

FR. =French

SP. =Spanish

CHIN=Chinese

RUSS=Russian

Note: If language data is assigned by AHSY command (Index 1-32), that character has priority.

ASHY, Index 107, Bit 7=1: Display Option data-B

Display the Option data-B (Guest Room data). (Three characters)

[3] Guest Room Status

AHSY, Index 110, Bit 0=0: (Room Key Interface is absent)

- AHSY, Index 449, Bit 6=0: (Expansion for Guest Room Information Display is out of service)

RMS=Check-In

RMO=Check-Out

- AHSY, Index 449, Bit 6=1: (Expansion for Guest Room Information Display is in service)

RMS=Check-In

RMO=Check-Out

RMD=Departure date

RMC=Cleaning

RMI=Inspecting

RMV=Vacant

RMX=Out of order

AHSY, Index 110, Bit 0=1: (Room Key Interface is present)

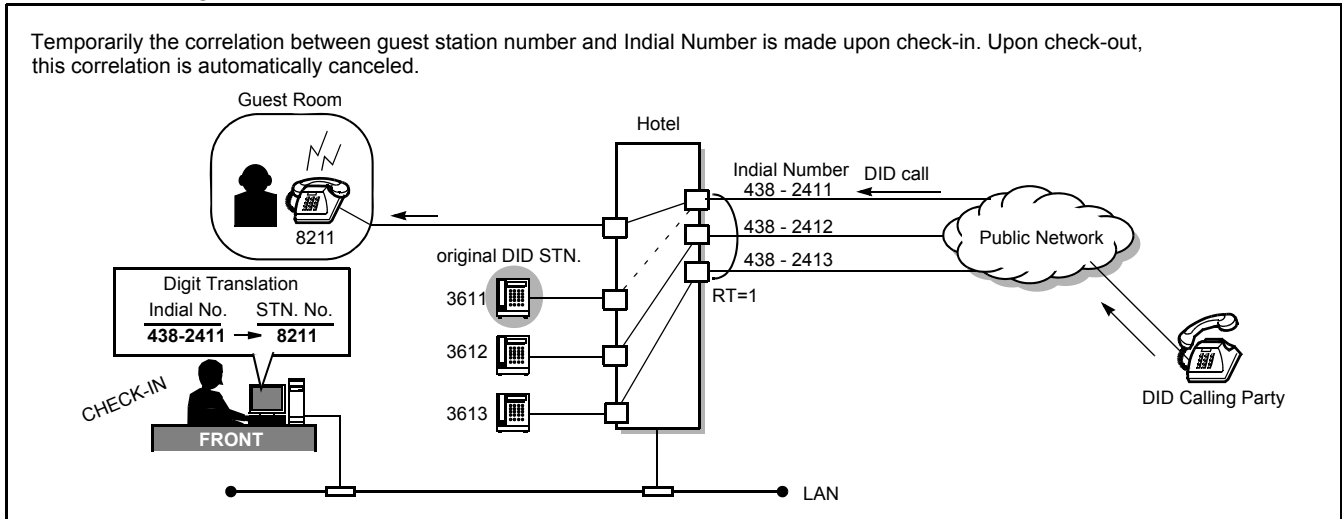
RMS=STAY

RMO=OUT

G-26 Guest Room Dial-In (Rotating Indial)

General Description

This feature allows a Direct Inward Dialing (DID) call to terminate to a specific guest station by number translation. This correlation between guest station number and Indial Number is automatically made through a PMS when a guest checks in the Hotel. Upon checking out, this correlation is automatically cleared. Then the DID call destination returns to the original DID station.



Operating Procedure

To set Guest Room Dial-In (Rotating Indial)

1. Set this feature active for the guest station on check-in. The correlation between the guest station number and Indial Number is automatically set.

To cancel Guest Room Dial-In (Rotating Indial)

1. This feature is automatically cancelled on check-out.

Service Conditions

1. A maximum of 10 routes, 9000 DID numbers can be assigned.
2. This feature depends on the PMS application.
3. When a guest station places an outgoing call, the billing is automatically charged against the guest station.
4. If a DID call terminates to the guest station after checkout, the call will end up No Answer or will be terminated to the Special Administration station.
5. The sleep of Guest Room Dial-In Number after checkout should be managed by the host computer. Do not use the number at least for three days. (This processing depends on the application of the host computer).
6. When placing an outgoing call through a guest station (including fax sending) with this feature active, assign AHSY, Index 534, Bit 3=1 to enable Calling Party Number notification of Indial Number.
7. Do Not Disturb [D-11] and Room Cutoff [R-9] on FAX lines in a suite room can be canceled by AHSY, Index 146, Bit 0/1.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 31	-	Mounting Capacity of Common Memory (1M - 4M) Assign 04 H (4M).
2	AHSY Index 141	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	Guest Room Dial-In 0/1 = Out of service/In service
3	AHSY Index 146	Bit 0	Do Not Disturb [D-11] cancellation on FAX lines in a suite room 0/1 = Invalid/Valid
		Bit 1	Room Cutoff [R-9] cancellation on FAX lines in a suite room 0/1 = Invalid/Valid
		Bit 2	Not used.
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
4	AHSY Index 403	Bit 0	Processing of Checkout Result (Feature Code = 16, Function Code = 2) when received from PMS. 0: Out status memory in guest memory is cleared. 1: All guest memory is cleared.
		Bit 1	Not used.
		Bit 2	
		Bit 3	Guest Room Dial-In Set/Cancel Printout 0/1 = Out of service/In service
		Bit 4	Print out the result of Emergency Call-Answer 0/1 = Out of service/In service
		Bit 5	Print out the result of Emergency Call-No Answer 0/1 = Out of service/In service
		Bit 6	Print out the result of Emergency Call-Busy 0/1 = Out of service/In service
		Bit 7	Print out the start/end of Emergency Call 0/1 = Out of service/In service

G-26 Guest Room Dial-In (Rotating Indial)

STEP	CMND	BIT	EXPLANATION
5	AHSY Index 534	Bit 0	Not used.
		Bit 1	
		Bit 2	Caller ID display on administration station (called party side) 0/1 = Calling name is displayed/Calling number is displayed (This data is valid when ASYD, SYS1, Index 390, Bit 0 = 0)
		Bit 3	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
		Bit 4	Not used.
		Bit 5	
		Bit 6	
		Bit 7	
6	ADAC	Assign the Indial Number (DC) and Route Number (RT). [Example] DC: 438 RT: 1 438 - 2411 : In this example, the first three digits will be assigned. 3 digits	
Note: Assign the area code number to DC.			
7	ARTD	Assign the Dialed Number Confirmation data by specifying the number of digits to be translated. Count the digits from the last digit. [Example] RT: 1 DC (CDN 66): 4 438 - 2411 : In this example, the last four digits will be translated. 4 digits	
Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or MG.			
8	ACDD	Assign station number that is used for receiving the DID call after check-out. When Guest Room Dial-In has not been set, the DID call terminates on the station that is specified by this data. [Example] D/N: RT: 1 DC: 2411 CDC: 3611 AD: 0 XFR: 0	

G-27 Guest Station Call Record Automatic Clear

General Description

This feature allows the system to clear the call record that is recorded in guest stations when a specific event occurs such as checkout. By this feature, no manual operation to clear the call record is required. The call record can be automatically cleared when one of the following occurs:

- When room status is changed from 'Vacant' to 'Occupied'
- When room status is changed from 'Occupied' to 'Vacant'
- When maid status is changed from any status other than 'Ready' to 'Ready'.

Each trigger can be set valid or invalid by system data. Multiple triggers are available when required.

Operating Procedure

The following operation is required depending on the case.

To clear the call record when room status is changed from "Vacant" to "Occupied":

- Check-In operation by Attendant Console
- Check-In operation by Hotel Desk Console
- Change of Room Status by PMS terminal

To clear the call record when room status is changed from "Occupied" to "Vacant":

- Check-Out operation by Attendant Console
- Check-Out operation by Hotel Desk Console
- Change of Room Status by PMS terminal

To clear the call record when maid status is changed to "Ready" from any other maid status:

- Maid status is set to "Ready"
- Change of Maid Status by PMS terminal

Service Conditions

1. The information to be cleared by this feature is the incoming/outgoing call record of guest stations.
2. This feature is applied to a terminal that has an LCD such as Dterm, DtermIP only. The call record of terminals that have no LCD or Softphone cannot be cleared by this feature.
3. This feature is restricted/allowed on a system basis (AHSY, Index 530, Bit 0: 0/1 = restricted/allowed).
4. Automatic clear can be performed when room status or maid status is changed. Therefore, data programming related to Room Status and/or Maid Status is required.
5. This feature can be triggered by one of the following events. Multiple triggers can be selected when required. If all triggers are set to 0, automatic clear will not take effect even if this feature has been set available.
 - When room status is changed from 'Vacant' to 'Occupied'
 - When room status is changed from 'Occupied' to 'Vacant'
 - When maid status is changed from any status other than 'Ready' to 'Ready'.
6. When the status transits between two identical statuses as shown below, this feature will not take effect.

- Room Status: 'Occupied' to 'Occupied'
 - Room Status: 'Vacant' to 'Vacant'
 - Maid Status: 'Ready' to 'Ready'
7. When this feature is activated by changing Maid Status (to 'Ready' from other than 'Ready'), automatic clear will be performed only when the room status is 'Vacant'.
 8. When this feature is activated for guest station that belongs to Suite Room or Double Suite Room, the call records of all the terminals in the Suite Room or Double Suite Room will be cleared.
 9. When this feature is activated for a guest station that belongs to Connecting Room, the call record of the entire Suite Room is cleared or only the Suite Room-Primary or Suite Room-Secondary to which the guest station belongs will be cleared depending on System Data (AHSY, Index 111, Bit 6).
 10. In the case of Room Data Image Transfer (17-3, 17-7, 17-B), the call record will not be cleared even if a factor occurs to activate this feature.
 11. This feature will not take effect for a station that is placed in make-busy.
 12. If this feature is applied for station whose status is other than 'idle', the process will take effect when the line is placed in idle status.
 13. When this feature is performed, terminal reset will occur to clear the call record. This terminal reset clears some of terminal display information (LED or characters on LCD). The following information will be cleared:

Room Status:

- Do Not Disturb indication (DD characters and LED indication)
- Room Cut Off indication (RC characters and LED indication)
- Message Waiting (MW characters and LED indication)
- Wake-up Call indication (Set Time characters and LED indication)
- 2nd Wake-up Call indication (Set Time characters and LED indication)

Terminal Status:

- Dialed number that was saved by Save and Repeat (S&R) and the LED indication
- Page indication
- Outgoing Trunk Queuing
- Message that was stored by Message Reminder and the LED indication
- Ringer Mute Valid/Invalid and the LED indication
- LED indication when DND is set (character indication will not be provided, this DND is different from DND of Room Status)

Note: LED lights when the key data has been assigned with AKYD.

14. Taking account of the above service condition, terminal information refresh (AHSY, Index 530, Bit 7=1) is highly recommended. When terminal refresh is set, the terminal indication such as character display on LCD and LED indication will be automatically refreshed within 150 seconds (2 minutes and 30 seconds) at the most. Display information that indicates room status is refreshed. However display information that indicates terminal status will not be cleared.

15. This feature cannot clear the call history data of Call History [C-195] (both System side and Terminal side). However, when you use DT700 series with firmware versions earlier than 2.1.0.0, only Terminal Call History data (terminal side) can be cleared by this feature (Terminal Call History data cannot be cleared when you use DT700 series with firmware 2.1.0.0 or later versions).

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 530	Bit 0	Guest Station Call Record Automatic Clear 0/1 = Out/In service
		Bit 1	Call Record is automatically cleared when Room Status is changed from <i>Vacant</i> to <i>Occupied</i> : 0/1: No/Yes
		Bit 2	Call Record is automatically cleared when Room Status is changed from <i>Occupied</i> to <i>Vacant</i> : 0/1: No/Yes
		Bit 3	Call Record is automatically cleared when Maid Status is changed from <i>Other than Ready to Ready</i> : 0/1: No/Yes
		Bit 4	Not used
		Bit 5	Not used
		Bit 6	Not used
		Bit 7	Terminal Display Refresh 0/1: Invalid/Valid (recommended)

Note: This feature can be performed when room status or maid status is changed. Therefore, data programming related to Room Status and/or Maid Status is required in addition to the above data.

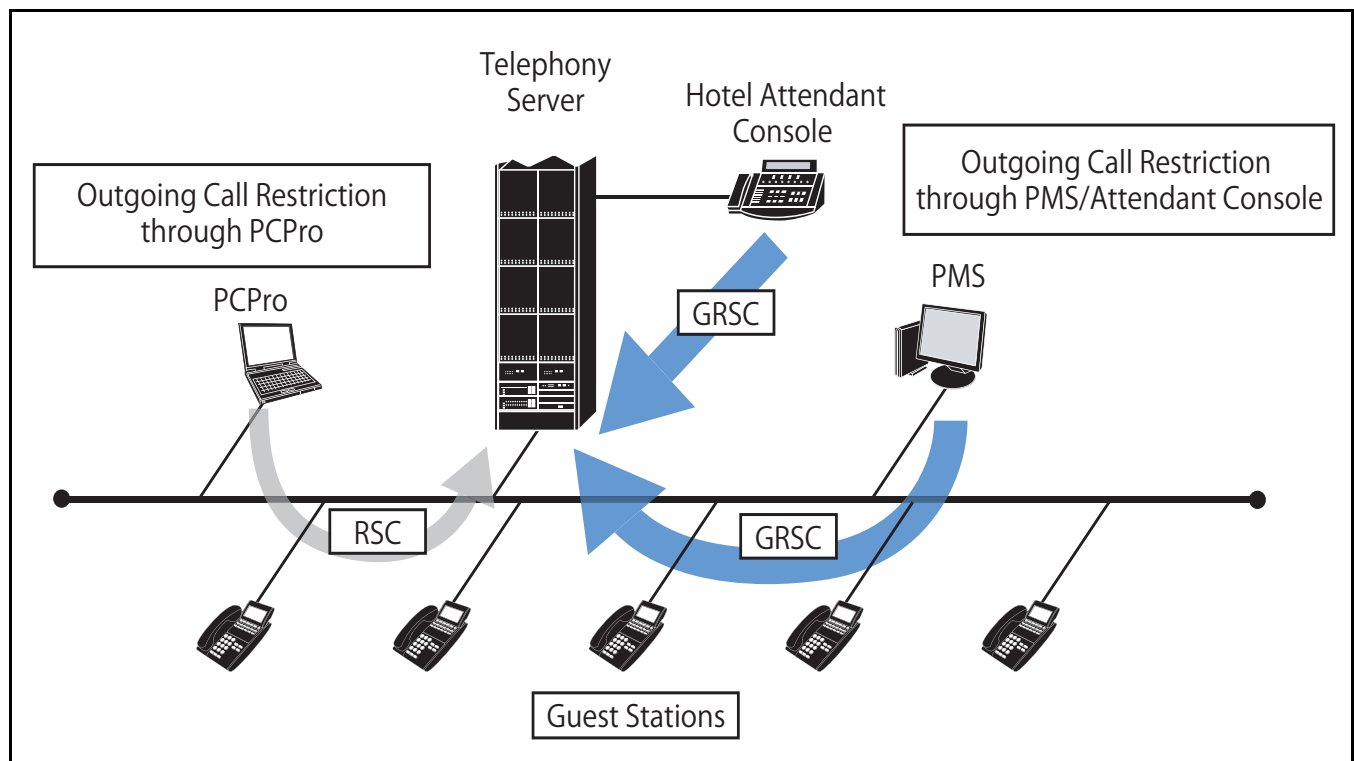
G-28 Guest Route Restriction Class Change Through PMS

General Description

This feature provides "Temporary Replacement of Guest Route Restriction Class". With this feature, you can temporarily change the setting of Route Restriction Class for guest stations from the customer's Property Management System (hereinafter, PMS) or the Hotel Attendant Console.

This feature uses Guest Route Restriction Class (hereinafter, GRSC) to control the restrictions for incoming/outgoing calls for guest stations. GRSC replaces the Route Restriction Class (hereinafter, RSC) which can be assigned from PCPro, and the data assignments of GRSC for each restriction class are equivalent to that of RSC.

Since GRSC can be set or canceled from the PMS or the Hotel Attendant Console, operating procedure is much easier compared with PCPro commands. Therefore, you can modify the restriction data more flexibly in a daily hotel service.



Operating Procedure

1. Operating Procedure to Set or Cancel GRSC from PMS

Refer to the related manuals of PMS.

2. Operating Procedure to Set, Cancel, or Refer GRSC from the Hotel Attendant Console

[To Set]

- (a) Press the Guest Route Restriction Class (GRSC) key.
- (b) Dial "01" to "15" to set Guest Route Restriction Class code.
- (c) Dial the guest station number to set GRSC.
- (d) Press the ENTER key.
- (e) Press the EXIT key.

[To Cancel]

- (a) Press the Guest Route Restriction Class (GRSC) key.
- (b) Dial "00" for Guest Route Restriction Class code.
- (c) Dial the guest station number to cancel GRSC.
- (d) Press the ENTER key.
- (e) Press the EXIT key.

[To Refer]

- (a) Press the Guest Route Restriction Class (GRSC) key.
- (b) Dial "***" for Guest Route Restriction Class code.
- (c) Dial the guest station number to display the data for GRSC.
- (d) Press the ENTER key.
- (e) Press the EXIT key.

Note: GRSC is basically set with 2 digits. For example, you must enter GRSC code in the range of "00" to "09" to specify 0 to 9. If you wish to enter GRSC with 1 digit, press ENTER key after dialing GRSC code to move on to the guest station number entry window. However, only "***" in 2 digits is accepted to display the GRSC data.

Service Conditions

<Important Notices>

None.

<Interactions with Other Features>

- When using Suite Room Service, Double Suite Room, or Connecting Room Service, GRSC set to the following stations are effective. You may not set GRSC individually to each station.

Suite Room		Primary Station
Double Suite Room		Primary Station of the Primary Room
Connecting Room	Primary Connecting Room	Primary Station when connecting to a Single Suite Room Primary Station of the Primary Room when connecting to a Double Suite Room
	Secondary Connecting Room	Same as for Primary Connecting Room

- When using a Multiple Line Accommodation, GRSC set to My Line is applied to Sub Lines.
- When this feature is in concurrent use with other incoming call restriction features, the precedence of each feature is as listed below (the features are listed in order of precedence).

 Precedence	1	Do Not Disturb
	2	Incoming Call Restriction (Group Restriction)
	3	Incoming Call Restriction by RSC replacement function (Group Restriction)
	4	Guest Route Restriction Class through PMS

- When this feature is in concurrent use with other outgoing call features, the precedence of each feature is as listed below (the features are listed in order of precedence).

 Precedence	1	Room Cutoff
	2	Outgoing Call Restriction (Group Restriction)
	3	Outgoing Call Restriction by RSC replacement function (Group Restriction)
	4	Guest Route Restriction Class through PMS

- When Class switchover by ID code (authorization code) is used concurrently with this feature, GRSC is applied instead of RSC assigned with the AATC command.

<Hardware/Software>

None.

<Interactions with Networks>

None.

<Conditions Specific to This Feature>

1. This feature is only available for guest stations. Furthermore, this feature can be set at anytime regardless of the status of the guest station.
2. GRSC can only be set from the PMS or the Hotel Attendant Console. You may not set GRSC from the Hotel Console.
3. To disable this feature (with the AHSY command, Index 536, Bit 0=0) while the system is in operation, cancel the GRSC setting beforehand and then modify the data assignment.
4. Since GRSC is stored in the guest memory of the telephony server, the data of GRSC will not be backed up. Therefore, "00" will be set for the GRSC when a system initialization is executed which clears the memory. Assign GRSC again from the PMS or the Hotel Attendant Console after initialization.
5. Set GRSC in the range of 0 to 15. The data assignments of GRSC for each restriction class are equivalent to that of RSC assigned with the ARSC command. When GRSC is set to 0, which stands for "no configuration is set", the data of RSC set when registering the stations is used.
6. GRSC is cancelled automatically when the status of the guest room turns to "Vacant".
7. Guest Route Restriction Class Report text (55-4) is sent to PMS when GRSC is set successfully. However, this text will not be sent if GRSC is canceled automatically due to the status change to "Vacant" or if RSC is modified with the AGCL command (assignment of guest station class).
8. Restriction data must be set with the existing commands such as the ARSC command or the ASCR command.

<Other Conditions>

None.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 536	Bit 0	Guest Route Restriction Class through PMS 1=In service
		Bit 1	Not used
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	

G-28 Guest Route Restriction Class Change Through PMS

STEP	CMND	BIT	EXPLANATION																																																																																																																																														
2	AHSY Index 114	Bit 0	Not used																																																																																																																																														
		Bit 1																																																																																																																																															
		Bit 2																																																																																																																																															
		Bit 3																																																																																																																																															
		Bit 4																																																																																																																																															
		Bit 5	Console key designation 1=Setting assigned by the AHSY command. (Index 115-126)																																																																																																																																														
		Bit 6	Not used																																																																																																																																														
		Bit 7	Consecutive Dialing from Console 0/1 = Not required/Required If data “1” is assigned, switch settings for the ATI card are necessary. (PA-CS33 SW17 element 2 = ON for no DTFM)																																																																																																																																														
3	AHSY Index 115~126		Hotel Attendant Console Key Data <table><tr><td></td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>Operation Key</td></tr><tr><td>Index</td><td>121</td><td>122</td><td>123</td><td>124</td><td>125</td><td>126</td><td></td></tr><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>Operation Key</td></tr><tr><td>Index</td><td>115</td><td>116</td><td>117</td><td>118</td><td>119</td><td>120</td><td></td></tr><tr><td></td><td colspan="2">ENT</td><td colspan="2">CE</td><td colspan="2">END</td><td></td></tr><tr><td>81H - WU SET</td><td colspan="5">92H - CHECKOUT</td></tr><tr><td>82H - WU RESET</td><td colspan="5">93H -</td></tr><tr><td>83H - MW SET</td><td colspan="5">94H -</td></tr><tr><td>84H - MW RESET</td><td colspan="5">95H - central office CHANGE</td></tr><tr><td>85H - DD SET</td><td colspan="5">96H - BOSS/SET ENT</td></tr><tr><td>86H - DD RESET</td><td colspan="5">97H - BOSS/SEC RESET</td></tr><tr><td>87H - RC SET</td><td colspan="5">98H -</td></tr><tr><td>88H - RC RESET</td><td colspan="5">99H -</td></tr><tr><td>89H - STATUS</td><td colspan="5">9AH -</td></tr><tr><td>8AH - AUDIT</td><td colspan="5">9BH -</td></tr><tr><td>8BH -</td><td colspan="5">9CH -</td></tr><tr><td>8CH -</td><td colspan="5">9DH -</td></tr><tr><td>8DH -</td><td colspan="5">9EH -</td></tr><tr><td>8EH -</td><td colspan="5">9FH - GRP IND. RESET</td></tr><tr><td>8FH -</td><td colspan="5">A0H - GRP RESTRICTION SET</td></tr><tr><td>90H -</td><td colspan="5">A1H - GRP RESTRICTION RESET</td></tr><tr><td>91H - CHECK-IN</td><td colspan="5">AFH - GRSC SET</td></tr></table>		7	8	9	10	11	12	Operation Key	Index	121	122	123	124	125	126			1	2	3	4	5	6	Operation Key	Index	115	116	117	118	119	120			ENT		CE		END			81H - WU SET	92H - CHECKOUT					82H - WU RESET	93H -					83H - MW SET	94H -					84H - MW RESET	95H - central office CHANGE					85H - DD SET	96H - BOSS/SET ENT					86H - DD RESET	97H - BOSS/SEC RESET					87H - RC SET	98H -					88H - RC RESET	99H -					89H - STATUS	9AH -					8AH - AUDIT	9BH -					8BH -	9CH -					8CH -	9DH -					8DH -	9EH -					8EH -	9FH - GRP IND. RESET					8FH -	A0H - GRP RESTRICTION SET					90H -	A1H - GRP RESTRICTION RESET					91H - CHECK-IN	AFH - GRSC SET				
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91H - CHECK-IN	AFH - GRSC SET																																																																																																																																																

Note: STEP 2 and 3 are only required when setting GRSC from the Hotel Attendant Console.

H-8

House Phone/Hot Line

General Description

This feature allows selected stations to reach the Attendant (house phone) or a predesignated station (hot line) by going off-hook. House phones are normally provided in a hotel lobby or restaurant.

Operating Procedure

1. The House Phone/Hot Line user goes off-hook. The attendant (or other designated station) is called.
2. The attendant answers via the HP or ANSWER key.
3. The attendant connects the user to the desired station or trunk.

Service Conditions

1. When the house phone terminates at the Console, the INCOMING CALL IDENTIFICATION [I-2] will appear as the HP key of the Console.
2. House phone/hot lines may be equipped with or without dials.
3. There is no limit to the number of house phone/hot lines which may be assigned.
4. House phone/hot line function cannot be assigned to Desktop terminals.
5. House phone/hot line assignments are programmed into system data via PCPro.
6. Guest stations may be assigned as house phones but not as hot lines.

Assignment Procedure

STEP	CMND	EXPLANATION
1	AAST or AGST	Assign the station as a Hot Line or House Phone TEC = 9 (House Phone - Administration) TEC = 10 (House Phone - Guest) TEC = 14 (Hot Line)
2	AHLS	Assign the destination of the Hot Line (For House Phone, assignment is not necessary).
3	ATNR	Release the tenant to tenant connection restriction.

H-22 Hotel Feature Transparency Over CCIS

General Description

This feature allows a hotel system to use Common Channel Interoffice Signaling (CCIS), which conforms to the CCITT Signaling System No.7. Some of the hospitality services may be activated over different offices via the CCIS lines.

Operating Procedure

To originate a CCIS call

Dial the office code and the station number from the console or the station. The called guest information or the administration station number is displayed on the LCD of the console or the Desktop terminal.

Example of Display for Call Origination - from Attendant Console and Desk Console

When the called party is ringing:

ROOM INFORMATION					
JOHN ADAMS					:STAY
73001	08	30	ENG	CL0	
STATION	WK TIME	LANG			
☐ DND	☐ RC	☒ VIP	☐ MW	☒ OCPD	☐

HH:MM	NAME
DEST TN: X	XXXX
RT: XX TK: X	

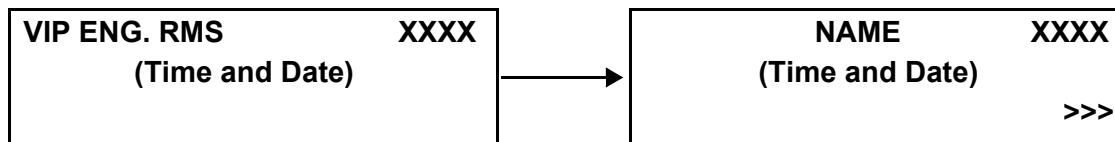
When the called party answers:

ROOM INFORMATION					
JOHN ADAMS					:STAY
3001	08	30	ENG	CL0	
STATION	WK TIME	LANG			
☐ DND	☐ RC	☒ VIP	☐ MW	☒ OCPD	☐

HH:MM	NAME
DEST TN: X CLS: X	XXXX
RT: X X TK: X	No. XXXX

Example of Display for Call Origination from Desktop Terminal

When the called party is ringing:



When the called party answers:

NAME (Time and Date)	XXXX >>>

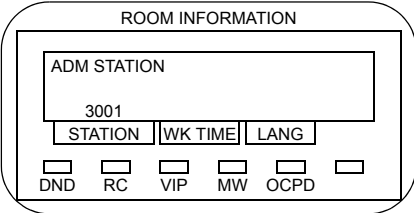
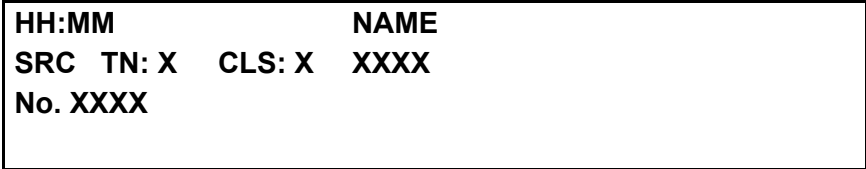
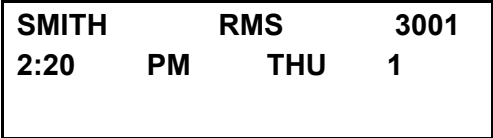
To terminate a CCIS call

Press the RELEASE key. Console displays time, date, and site name.

To answer a CCIS call

The attendant or the Desktop terminal user answers an incoming central office call. The calling guest information is displayed on the LCD of the console or the Desktop terminal.

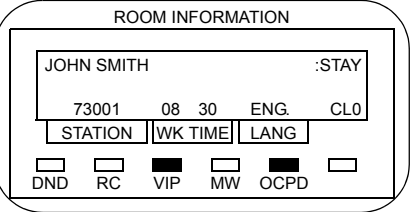
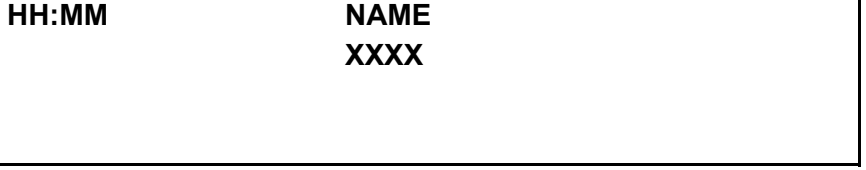
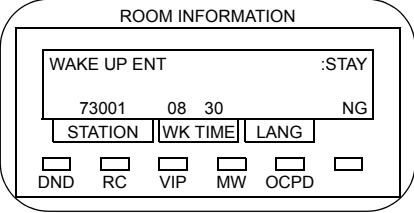
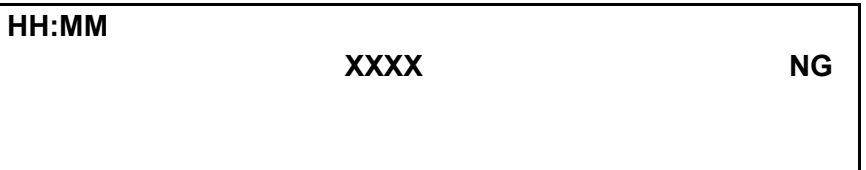
Call Termination on Attendant Console, Desk Console, Special Administration Desktop Terminal

Attendant Console:  ROOM INFORMATION ADM STATION 3001 STATION WK TIME LANG DND RC VIP MW OCPD	Desk Console:  HH:MM NAME SRC TN: X CLS: X XXXX No. XXXX
Special Administration Station:  SMITH RMS 3001 2:20 PM THU 1	Special Administration Station:  NAME XXXX (Time and Date) >>>

To set and cancel service features from the Console

1. Press a Feature key on the hotel console.
2. Enter an access code for a distant office, then enter a station number.
3. Enter other information, such as time, if required. When the process ends normally, the guest information is displayed on the character display (when not, "NG" is displayed).
4. Press the ENT key on the console.

Example of Service Feature Setting - Attendant Console and Desk Console

Normal END Display:  ROOM INFORMATION JOHN SMITH :STAY 73001 08 30 ENG. CL0 STATION WK TIME LANG DND RC VIP MW OCPD	 HH:MM NAME XXXX
Abnormal END Display:  ROOM INFORMATION WAKE UP ENT :STAY 73001 08 30 NG STATION WK TIME LANG DND RC VIP MW OCPD	 HH:MM XXXX NG

Service Conditions

1. This service is available in 1-IMG and 4-IMG systems.
2. The service is available for the PMS Terminal Models 60/90/120.
3. The connection to the host computer is made in the individual office.
4. When a guest station is enabled to set its own Wake-Up calls and a log of these settings is desired, then the PMS must be located at the site of the guest station Telephony Server.
5. The central office lines are accommodated in each office. When placing the central office call, the line accommodated in the same office is used.
6. When a call terminates from the guest in the distant office via the CCIS line, the call terminates on the GST key of the Console.
7. When a call terminates from the Attendant or the administration station in the distant office via the CCIS line, the call terminates on the ADM key of the Console.
8. When the call is transferred to the Console by CALL TRANSFER - ALL CALLS - CCIS [C-50], the call terminates on either the ADM or GST key depending on the transferring party.
9. When a call terminates to the Attendant by tandem connection from the individual line to the CCIS line, the call terminates on the key depending on the trunk class of the individual line.
10. Upon answering the call, the attendant can distinguish whether the call is from the distant office or in the same office by the number display.
11. If the office code and the station number exceeds six digits, hospitality services cannot be activated over CCIS by the Console.
12. This service is not available in the tandem connection.
13. In case of SERIAL CALL - CCIS [S-52] and SUPERVISORY CALL - CCIS [S-73], Guest Name Display over CCIS is not available.
14. When originating/answering the calls using the CCIS lines, the RING/ANS lamps are controlled as in the case of the tie line call origination/termination.
15. The day/night mode changeover is performed by the Night key in the office where the Console is placed, and by the external key in the other offices. Before leaving, the Attendant should press the Night key and answer all existing terminating calls.
16. When NAME DISPLAY - SYSTEM - CCIS [N-36] and Guest Name Display over CCIS are both available, NAME DISPLAY - SYSTEM - CCIS [N-36] has precedence. However, NAME DISPLAY - SYSTEM - CCIS [N-36] is not available to the guest stations.
17. Announcement machines for Wake-Up must be connected in each office.
18. Automatic Wake-Up Hotel Attendant Assistance [A-58] is not available in the distant office.
19. Administration Name Display is not available to Hotel ATTCON over CCIS.

Assignment Procedure

The following data assignment is required in addition to basic data assignment for CCIS.

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Console (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest and administration stations 0/1 = Separate/Common
		Bit 7	Fixed “0”
2	AHSY Index 149	Bit 0	Hotel Feature Transparency over CCIS 0/1 = Out/In service
		Bit 1	Not used
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
STEP	CMND	EXPLANATION	
3	ARTD	Assign the following CNDs related to this feature: CDN17 (H/M): Hotel Feature Transparency over CCIS 0/1 = No/Yes CDN50 (DPLY): Caller ID display over CCIS 0/1 = Disabled/Enabled Note: To change the data for existing route (RT), initialize the circuit card. Note: When the Caller ID display over CCIS feature is enabled (CDN50=1), up to 8 digits of a Caller ID can be shown on the display.	

H-25 Hotel PC Attendant Console through PMS

General Description

This feature provides the many Hotel Attendant console services using a PC as an Attendant console.

Automatic Wake-Up [A-10/A-27]
Message Waiting [M-6]
Room Cutoff [R-9]
Room Status DISPLAY (Guest Name Display [G-25])
Do Not Disturb [D-11]
Check-In/Checkout [C-23]

In addition, this feature provides Attendant Console Answer Time Display function to display the duration time elapsed since trunk call terminates until the Attendant answers the call on the LCD in 4-digit of second time scale.

Operating Procedure

None.

Service Conditions

1. This feature provides the assignment and execution of the following services.
Automatic Wake-Up [A-10/1-27]
Message Waiting [M-6]
Room Cutoff [R-9]
Room Status DISPLAY (Guest Name Display [G-25])
Do Not Disturb [D-11]
Check-In/Checkout [C-23]
2. Guest Room Information can be displayed.

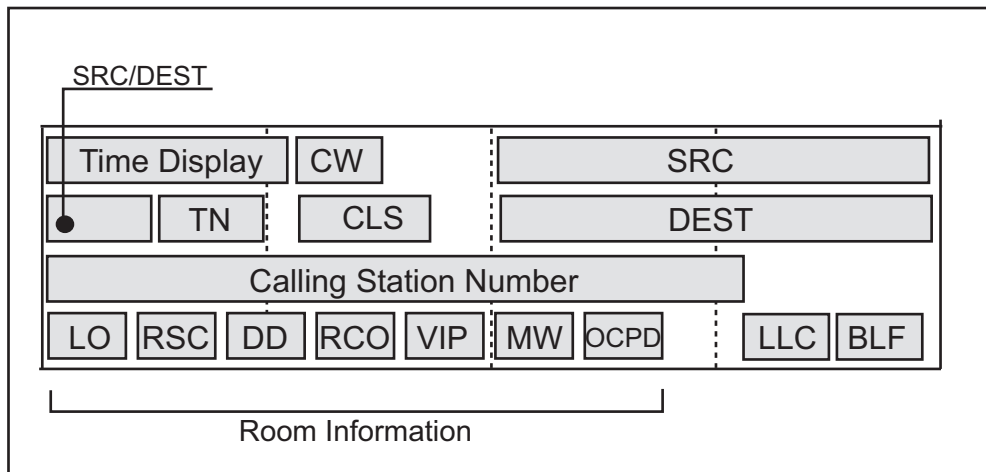
When using Hotel PC Attendant Console

1. Use the PA-CS33 circuit card.

Switch Setting

SWITCH NAME	SETTING
SW16-1	ON
SW16-2	ON (Expanded LCD Display is available)

2. Desk Console LCD Display is shown when using Hotel PC Attendant Console.



Time Display: Time information

CW: Call Waiting

SRC: Source

DEST: Destination

SRC/DEST: Source or Destination

TN: Tenant Number

CLS: Class of Service

Calling Station Number

Room Information;

LO: Line Lockout/Do not Disturb feature is being set

RSC: Restriction Service Class

DD: Do Not Disturb

RCO: Room Cut - Off

VIP: Very Important Person

MW: Message Waiting

OCPD: Occupied

LRC: Line Load Control

BLF: Busy Lamp Field

3. When Two Line Display service for Hotel PC Attendant Consoles is enabled on the system basis, selection between Two Line Display and the default one-line display can be made on Attendant Console number basis. This allows each Hotel PC Attendant Console to use the default display type even under the system in which Hotel PC Attendant Consoles are used in combination with Desk Consoles.
4. Up to 15 Attendant or Desk Consoles are allowed to choose either Two Line Display Service or the default one-line display. Their Attendant Console numbers must be in the range of 1 to 15.

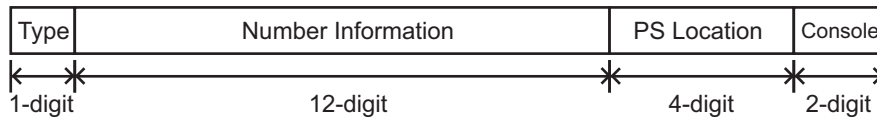
When using Attendant Console Answer Time Display function

1. LCD on the Attendant Console must be set to 2-line indication.
2. Duration time is displayed when a trunk call from ISDN/Analog line terminates to Attendant Console directly, including the termination via Call Forwarding-All Calls. Available types of termination are:
 - Analog C.O. line (ring-down)
 - Analog C.O. line (dial-down)
 - ISDN
 - ISDN (direct-in dialing)
 - LDN termination via ISDN
 - CCIS
 - Termination to Specific Attendant
 - Tie Line
 - Delay Announcement-Attendant
 - Termination to Attendant by Call Forwarding-All Calls after Direct-In Termination
3. The display indicates space when Attendant re-seizes the line to hold after answering the call or in the case of incoming call termination in Busy/Don't Answer state.
4. This function is available in "Day" or "Night-1" state of Day/Night mode.
5. This function is available for the Attendant Console accommodated on Tenant Number 1.
6. Delay Time is counted maximum 9999 seconds, remaining 9999 indication if exceeds.
7. This function is available in FCCS network as well.
8. When this function is available, Peg Count is counted on the basis of Attendant's answer time for trunk incoming call. In traffic measurement, the following types of incoming call are counted for Peg Count depending on this function is used or not.

When Answer Time Display is not used	When Answer Time Display is used
Analog PSTN (ring-down) LDN termination via ISDN ISDN PSTN	ISDN Direct-In Termination Analog PSTN (Direct-In Termination) LDN termination via Analog PSTN

9. Delay Answer Time is displayed on the “SRC” field of the LCD. The indication pattern on SRC field is shown below.

<SRC field on LCD>



Type: A = Station information
 B = Route/Trunk information
 C = PSTN line information
 D = Originating party's number information
 E = Attendant Console number information
 F = Specific Attendant Console number information
 M = Busy state indication

PH Location: indicated during the call with PS station

Delay Answer Time: Duration time elapsed since trunk call terminated to Attendant Console until the Attendant answers the call

Console: Displayed when answering a recall to Attendant Console

A	Station number	Space	PS Location	Space
	6-digit	6-digit	4-digit	2-digit

B	Route No.	Trunk No.	Space	Delay Answer Time	Console
	3-digit	3-digit	6-digit	4-digit	2-digit

C	PSTN line No.	Space	Delay Answer Time	Console
	4-digit	8-digit	4-digit	2-digit

D	Originating party's number	Delay Answer Time	Console
	12-digit	4-digit	2-digit

E	Attendant	Space	Space	Space
	2-digit	10-digit	4-digit	2-digit

F	Specific Attendant No.	Space	Space	Space
	6-digit	6-digit	4-digit	2-digit

M	Busy state information	Space
	16-digit	2-digit

Note: Only the originating party's number is displayed left-aligned. Others are displayed right-aligned.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	ASYD System Data 1 Index 78	Bit 0	Calling and Intermediate Station Number Indication (Desktop terminal and ATTCON) 0/1 = Out/In service (always assign "1")
		Bit 1	Kind of Service Class Indication (Desktop terminal) 0/1 = Out/In service (always assign "1.")
		Bit 2	Not used.
		Bit 3	Station Number with Name Display 0/1 = Out/In service
		Bit 4	Fixed to "0".
		Bit 5	Name Display service 0/1 = Out/In service
		Bit 6	Not used.
		Bit 7	

H-25 Hotel PC Attendant Console through PMS

STEP	CMND	BIT	EXPLANATION
2	ASYD System Data 1 Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1=8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Attendant Console (usually, 00)
		Bit 4	Note: In the case of system down, assign the Pattern 3. Check-In and Check-Out key becomes available. 00=Pattern 1 WUS DDS MWS RCS AUD WUR DDR MWR RCR STS 01=Pattern 2 WUS DDS MWS RCS COC WUR DDR MWR RCR STS 10=Pattern 3 WUS DDS MWS RCS C/I AUD WUR DDR MWR RCR C/O STS 11=Pattern 4 WUS DDS MWS RCS SCS AUD WUR DDR MWR RCR SCR STS WUS: Wake-Up Set AUD: Audit Report WUR: Wake-Up Reset STS: Status Check DDS: Do Not Disturb Set C/I: Check In DDR: Do Not Disturb Reset C/O: Check Out MWS: Message Waiting Set SCS: Boss-Secretary Set MWR: Message Waiting Reset SCR: Boss-Secretary Reset RCS: Room Cut Off Set COC: Manual Switching of central office Incoming Call RCR:Room Cut Off Reset
		Bit 5	Guest Name Service 0/1=Out/In service
		Bit 6	Numbering Plan data table of guest station and administration stations 0/1=Separate/Common
		Bit 7	Fixed to 0.

H-25 Hotel PC Attendant Console through PMS

STEP	CMND	BIT	EXPLANATION
3	ASYD System Data 1 Index 161	Bit 0	Do Not Disturb Override key on the Attendant Console 0/1 = Out/In service
		Bit 1	Message Waiting Service 0/1=Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1=Out/In service
		Bit 4	Not used.
		Bit 5	DSS (Direct Station Select) key on the Attendant Console 0/1=Ineffective/Effective
		Bit 6	Timing Start using “#” Code 0/1=Ineffective/Effective
		Bit 7	Timing Start using “*” Code 0/1=Ineffective/Effective
4	ASYD System Data 1 Index 163	Bit 0	Overtime Call timer 0=30 min. 1=60 min. 2=90 min. 3=120 min.
		Bit 1	
		Bit 2	Overtime Call 0/1=out/In service
		Bit 3	Overtime Call indication 0/1=On Attendant Console/hotel printer
		Bit 4	Step Call from guest station is allowed 0/1=Out Service/In service
		Bit 5	Tone type for Maid Dialing 0=SST 1=Announcement 2=Music-on-Hold 3=Music-on-Hold
		Bit 6	
		Bit 7	Start time for Timed Reminder/Wake-Up call 0/1=On time/5 min. earlier than the appointed time.

H-25 Hotel PC Attendant Console through PMS

STEP	CMND	BIT	EXPLANATION
5	ASYD System Data 1 Index 165	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Automatic Wake-Up - Hotel Attendant Console 0/1 =Out/In service
		Bit 5	Setting the priority for guest station Automatic Wake-Up 0/1=Out/In service
		Bit 6	Wake-Up information (time, station number, etc.) print-out 0/1=Out/In service
		Bit 7	Floor service 0/1=Out/In service
6	ASYD System Data 1 Index 190	Bit 0	I/O=Port designation to Host Computer (ATT0 Port)
		Bit 1	
		Bit 2	0=Port 0 4=Port 4 1=Port 1 5=Port 5 2=Port 2 6=Port 6 3= Port 3 7=Port 7
		Bit 3	Not used.
		Bit 4	
		Bit 5	
		Bit 6	ATT0 Port 0=Port is not used. 1=Port is used.
		Bit 7	
7	ASYD System Data 1 Index 191	Bit 0	I/O=Port designation to Host Computer (ATT1 Port)
		Bit 1	
		Bit 2	0=Port 0 4=Port 4 1=Port 1 5=Port 5 2=Port 2 6=Port 6 3= Port 3 7=Port 7
		Bit 3	Not used.
		Bit 4	
		Bit 5	
		Bit 6	ATT1 Port 0=Port is not used. 1=Port is used.
		Bit 7	

STEP	CMND	BIT	EXPLANATION
8	ASYD System Data 2 Index 8	Bit 0	Listed Directory Number (LDN) 0/1=Exclude/Include
		Bit 1	Operator Call (ATND) 0/1=Exclude/Include
		Bit 2	Attendant Recall (RCL) 0/1=Exclude/Include
		Bit 3	FX Line (FX) 0/1=Exclude/Include
		Bit 4	WATS Line (WATS) 0/1=Exclude/Include
		Bit 5	CCSA Line (CCSA) 0/1=Exclude/Include
		Bit 6	Tie Line (TIE) 0/1=Exclude/Include
		Bit 7	Call forwarding - Busy Line (BUSY) 0/1=Exclude/Include
9	ASYD System Data 2 Index 9	Bit 0	Call Forwarding - Do Not Answer 0/1=Exclude/Include
		Bit 1	Call Forwarding - Intercept (ICPT) 0/1=Exclude/Include
		Bit 2	Interposition transfer (TF) 0/1=Exclude/Include
		Bit 3	Supervisory Call (SP) 0/1=Exclude/Include
		Bit 4	Do Not Disturb (DND) 0/1=Exclude/Include
		Bit 5	Guest Call (GST) 0/1=Exclude/Include
		Bit 6	Emergency Call (EMG) 0/1=Exclude/Include
		Bit 7	Overtime Call (OT) 0/1=Exclude/Include

Waiting Call Display
(Attendant Console)
0/1=Exclude/Include

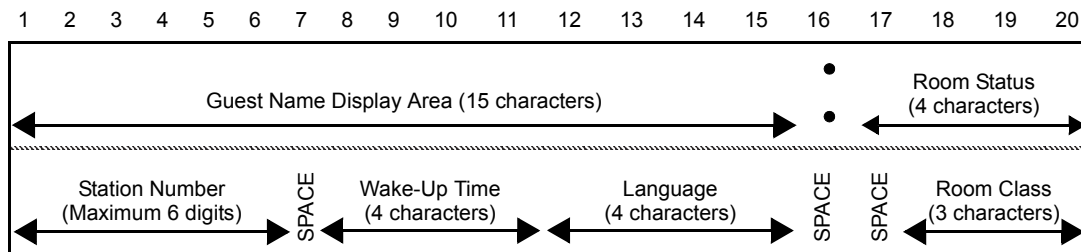
Note: When an Attendant Console is shared by multiple tenants, Waiting calls are displayed according to the System data 2 data (Index 8,9) of the Tenant - accesses the Attendant Console first. (Refer to command ATRK).

Note: When FCCS Service is applied to the system, the common System data 2 data (Index 8,9) must be assigned to the all Node.

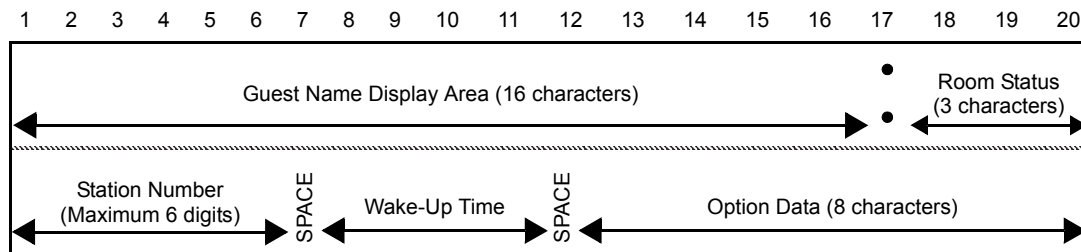
STEP	CMND	BIT	EXPLANATION
10	AHSY Index 105	Bit 0	Not used.
		Bit 1	
		Bit 2	Maid Dial service from Attendant Console 0/1=Not required/Required
		Bit 3	Office Name Display on Attendant Console assigned at AOFC command or ASYD command System data 1, Index 96 through 115. 0/1=In/Out of Service
		Bit 4	Pattern of Wake-Up Time Indication on the Attendant Console 0/1=24-Hour/12-Hour System
		Bit 5	Not used.
		Bit 6	
		Bit 7	Guest Name Display on the Attendant Console 0/1=Interface Type Model 60, 90, 120/Model 90, 120

- AHSY, Index 105, Bit 7 -

Display Pattern A: Bit 7 = 0 (For Interface Type Model 60/90/120)



Display Pattern B: Bit 7 = 1 (For Interface Type Model 90/120)



STEP	CMND	BIT	EXPLANATION
11	AHSY Index 106	Bit 0	Tenant Information of Attendant Console Assign the Tenant number after 2. 02H-FFH
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
12	AHSY Index 109	Bit 7	Charging Method of Attendant Console (If No.7 CCIS service is provided, “1” must be assigned) 0=9 + trunk Number 1=Specific Attendant Number
		Bit 0	
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	front desk terminal (FDT) functions keys 0/1=Fixed/Flexible Note: This bit is not currently used.
		Bit 7	

H-25 Hotel PC Attendant Console through PMS

STEP	CMND	BIT	EXPLANATION
13	AHSY Index 110	Bit 0	Room Key Interface 0=Interface is absent (STAY/OUT is displayed) 1=Interface is present (Key status is displayed)
		Bit 1	Attendant Console Guest Information Service 0/1=Not required/Required
		Bit 2	Not used.
		Bit 3	Called Number Display on the Attendant Console 0/1=Out/In service
		Bit 4	Not used.
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D / PMS Terminal Model 120 0/1=Out/In service
14	AHSY Index 114	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Hotel Console key designation 0=Setting assigned by ASYD command. (System data 1, Index 160, Bit 3 and 4) 1=Setting assigned by AHSY command. (Index 115-126)
		Bit 6	Not used.
		Bit 7	Consecutive Dialing from Attendant Console (for service such as VMM) 0/1=Not required/Required Note: If "1" is assigned, switch setting for the ATI card are necessary.

STEP	CMND	BIT	EXPLANATION
15	AHSY Index 115-126		Attendant Console Key Data
			Attendant Console
			7 8 9 10 11 12 Operation Key
			Index 121 122 123 124 125 126
			1 2 3 4 5 6 Operation Key
			Index 115 116 117 118 119 120
			ENT CE END
			Hotel Desk Console
			WUS DDS RCS MWS Operation Key
			Index 121 122 123 124 125 126
			WUR DDR RCR MWR STS Operation Key
			Index 115 116 117 118 119 120
			81H - WU SET 92H - CHECKOUT
			82H - WU RESET 93H -
			83H - MW SET 94H -
			84H - MW RESET 95H - central office CHANGE
			85H - DD SET 96H - BOSS/SET ENT
			86H - DD RESET 97H - BOSS/SEC RESET
			87H - RC SET 98H -
			88H - RC RESET 99H -
			89H - STATUS 9AH -
			8AH - AUDIT 9BH -
			8BH - 9CH -
			8CH - 9DH -
			8DH - 9EH -
			8EH - 9FH - GRP IND. RESET
			8FH - A0H - GRP RESTRICTION SET
			90H - A1H - GRP RESTRICTION RESET
			91H - CHECK-IN AFH - GRSC SET
16	AHSY Index 142	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Wake-Up Call “Busy” Condition: Transfer to Attendant
		Bit 5	Wake-Up Call “Do Not Answer” Condition: Transfer to Attendant
		Bit 6	Wake-Up Call “Block” Condition: Transfer to Attendant
		Bit 7	Wake-Up Call “Busy/Block” Condition: Transfer to Attendant

STEP	CMND	BIT	EXPLANATION	
17	AHSY Index 176	Bit 0	Busy Lamp Field Service 0/1=Out/In service Bit number means the first digit code of station number with dif- ferent number of digits.	1st DC=1
		Bit 1		1st DC=2
		Bit 2		1st DC=3
		Bit 3		1st DC=4
		Bit 4		1st DC=5
		Bit 5		1st DC=6
		Bit 6		1st DC=7
		Bit 7		1st DC=8
18	AHSY Index 177	Bit 0	Busy Lamp Field Service 0/1=Out/In service Bit number means the first digit code of station number with dif- ferent number of digits.	1st DC=9
		Bit 1		1st DC=0
		Bit 2		1st DC=*
		Bit 3		1st DC=#
		Bit 4		Not used. 8XXX 81XXX AANP/AGNP NND=4 BLF=1 AHSY Index 176=80 (1st DC=8) Index 177=00 Index 178=01 (2nd DC=1) Index 179=00
		Bit 5		
		Bit 6		
		Bit 7		
19	AHSY Index 178	Bit 0	Busy Lamp Field Service 0/1=Out/In service Bit number means the second digit code of station number with different number of digits.	2nd DC=1
		Bit 1		2nd DC=2
		Bit 2		2nd DC=3
		Bit 3		2nd DC=4
		Bit 4		2nd DC=5
		Bit 5		2nd DC=6
		Bit 6		2nd DC=7
		Bit 7		2nd DC=8
20	AHSY Index 179	Bit 0	Busy Lamp Field Service 0/1=Out/In service Bit number means the second digit code of station number with different number of digits.	2nd DC=9
		Bit 1		2nd DC=0
		Bit 2		2nd DC=*
		Bit 3		2nd DC=#
		Bit 4		Designation of guest access code 0 = Out of Service 1-9 = 1-9 A = 0 B = * C = #
		Bit 5		
		Bit 6		
		Bit 7		

STEP	CMND	BIT	EXPLANATION
21	AHSY Index 184	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	Processing for “No Answer” at the Attendant Console in the case where Automatic Wake-Up Attendant - Assistance service is provided. 0=Changeover to Automatic Wake-Up 1=No processing for “No Answer” 2=Call termination to Attendant Console is cancelled 3=All Wake-Up calls are terminated to the Attendant Console (including Automatic Wake-Up Call).
		Bit 7	
22	AHSY Index 188	Bit 0	Processing for Suite Room Station/Connecting Room Station Busy 0=Busy Tone 1=An idle station within the room is called 2=From a station, the call is transferred to the Attendant Console if the caller is not the console operator.
		Bit 1	
		Bit 2	Fixed Data
		Bit 3	
		Bit 4	Not used.
		Bit 5	When a call terminates at the Double Suite Room: 0/1 = All stations ring simultaneously/Alternately between Primary Suite and Secondary Suite
		Bit 6	Fixed Data
		Bit 7	Suite Room Service 0/1 = Out of service/In service

Note: Refer to the Business Attendant Console description for further information.

When using Hotel PC Attendant Console, do the following data setting continuously.

STEP	CMND	BIT	EXPLANATION
23	AHSY Index 71	Bit 0	Not used.
		Bit 1	Cancel Interdigit Timer when originating call from PC Attendant Console 0/1=Out/In service
		Bit 2	Warning Tone is sent to when Guest Room Calling - PC Attendant Console 0/1=Out/In service
		Bit 3	Push Button Tone is sent with PC Attendant Console b ₃ =1 (Fixed)
		Bit 4	Guest Room station number is displayed with PC Attendant Console 0/1=Primary station number/ Individual station number
		Bit 5	Not used.
		Bit 6	
		Bit 7	
24	AHSY Index 73	Bit 0	Not used.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Reset Call Service with PC Attendant Console Bit 5=1 (Fixed)
		Bit 6	Call Control Service with Hotel PC Attendant Console Bit 6=1 (Fixed)
		Bit 7	Two Lines Display Service with PC Attendant Console Bit 7=1 (Fixed)

STEP	CMND	BIT	EXPLANATION																											
25	AHSY Index 408	Bit 0	Not used.																											
		Bit 1																												
		Bit 2																												
		Bit 3																												
		Bit 4																												
		Bit 5																												
		Bit 6	Reset Call Service key 0=HWS 1=Check-In																											
		Bit 7	Not used.																											
26	AHSY Index 524	Bit 0	Not used.																											
		Bit 1																												
		Bit 2	Attendant Console Answer Time Display 0/1 = Out of service/In service																											
		Bit 3	Not used.																											
		Bit 4																												
		Bit 5																												
		Bit 6																												
		Bit 7																												
27	AHSY Index 528-529		Attendant Console LCD Display Selection By changing the corresponding bit, specify the Attendant number of the console in which Two Line Display Service can be disabled. 0/1 = Two Line Display/Default one-line display As the following shows, the Bit 1 through 7 of Index 528 corresponds to the Attendant Console number 1 through 7, and the Bit 0 through 7 of Index 528 corresponds to the Attendant Console number 8 through 15 respectively. <table><tr><td>Index</td><td>Bit 7</td><td>Bit 6</td><td>Bit 5</td><td>Bit 4</td><td>Bit 3</td><td>Bit 2</td><td>Bit 1</td><td>Bit 0</td></tr><tr><td>528</td><td>ATT 7</td><td>ATT 6</td><td>ATT 5</td><td>ATT 4</td><td>ATT3</td><td>ATT 2</td><td>ATT 1</td><td>not used</td></tr><tr><td>529</td><td>ATT 15</td><td>ATT 14</td><td>ATT 13</td><td>ATT 12</td><td>ATT 11</td><td>ATT 10</td><td>ATT 9</td><td>ATT 8</td></tr></table>	Index	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	528	ATT 7	ATT 6	ATT 5	ATT 4	ATT3	ATT 2	ATT 1	not used	529	ATT 15	ATT 14	ATT 13	ATT 12	ATT 11	ATT 10	ATT 9	ATT 8
		Index	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0																				
		528	ATT 7	ATT 6	ATT 5	ATT 4	ATT3	ATT 2	ATT 1	not used																				
		529	ATT 15	ATT 14	ATT 13	ATT 12	ATT 11	ATT 10	ATT 9	ATT 8																				

I-23

Inter-Position Transfer 2

General Description

This feature is applicable for a multi-attendant environment and will provide for the transfer of an incoming station or trunk call to a group of attendants by use of the Priority Call key.

An attendant can answer an incoming call, put the call on hold at the Attendant loop, and page the requested party. The paged party calls the attendant, and if a different attendant answers this incoming call, the answering attendant can transfer the call to the paging attendant. The attendant who holds the incoming call can then answer the paged party call and connect the two parties.

Note: This feature is only available in North America.

Operating Procedure

Operating the Console

1. The attendant answers the incoming call and asks with whom the caller wishes to speak.
2. The attendant puts the incoming call on hold at the attendant loop by pressing HOLD key and makes note of name and loop number. The requested party is paged and directed to call the attendant from a nearby courtesy phone. The individual answers the page.
3. The paged party calls the attendant by dialing an operator access code or by automatic ring-down.
4. An attendant (one of any available attendants) answers the paged party and asks for the name.
5. The attendant dials the service access code for transferring this party to the other attendants, one of which holds the corresponding incoming party, and asks the other attendants to answer the call by announcing the paged party's name, then presses RELEASE key. Telephony Server terminates the transferred call to the Priority Call key, which is assigned as an ICI Key position. This appears on specific attendant only.
6. The attendant holding the corresponding incoming call answers the call by pressing Priority Call key or ANSWER key.
7. The attendant confirms the paged guest's name and incoming party's name, then connects the incoming party to the paged guest by pressing the corresponding Loop key where the incoming party is being held. Three-way Conference is established. When the attendant releases, the incoming party and the paged party talk to each other.

Service Conditions

1. Paging transfer access code can be 1 or more digits. * or # may be used as the last digit in the access code.
2. Attendant can answer a call by pressing the Priority Call key or the **ANSWER** key. If an attendant does not have a Priority Call key designated, incoming call indication will not be seen when the attendant transfers a call using this service.

Assignment Procedure

STEP	CMND	EXPLANATION
1	AAKP	Function 3, 4, or 5 - Priority Call 1, 2, or 3
2	AASP	SID 37, 38, or 39 - Priority Call 1, 2, or 3
3	ASYD	System data 1, Index 73, Bit 7 - Enable Console Loop to Loop Connection

I-52 ISDN Call Rate Display to Hotel Terminal

General Description

This feature displays the Hotel billing information that is addressed from ISDN network to PMS (Property Management System) at the end of the call. When a call is originated from a guest station or an administration station to ISDN network, this feature can be used.

Note: This feature is only available in EU.

Operating Procedure

No manual operation is required.

Service Conditions

- (1) This feature can be used with ISDN trunk.
- (2) If ISDN call rate is not informed, billing information would be addressed.
- (3) This feature is not available for Serial Call [S-15] and Supervisory Call [S-31].
- (4) Call can be originated from a guest station and an administration station to ISDN.
- (5) This feature supports AOC-E only (not applied to AOC-D nor AOC-S).
- (6) This feature can only be used in the network which supports Advice of Charge (AOC).
- (7) This feature can be used only when the billing feature is valid. For more information about the billing feature, refer to Station Message Detail Recording (SMDR) [S-10] in Data Programming Manual - Business.

Programming

AHSY - Index 143, Bit 3=1. (ISDN Call Rate Display Service)

L-27

Language Service

General Description

This service provides the announcement in the guest's language and the language information display in case following services are activated.

1. **Announcement Services**
 The announcements sent to the guest will be in his/her language.
 Automatic Wake-Up [A-10/A-27]
 Automatic Wake-Up - Hotel Attendant [A-58]
 Group Service Through PMS [G-4]
2. **Language Information Display**
 When the following services are activated, the language used by the guest is displayed on the Desktop terminal or Console.
 Attendant Console with Hotel Functions [A-25/A-47]
 Guest Name Display -D [G-6D]
 Guest Room Calling - Hotel Attendant [G-11]
3. **Hotel Printer Service** [H-13]
 The language information is printed on the hotel printer.
4. **Incoming Call Identification** [I-2]
 According to the language used by the guest, the call terminates on either of the two incoming call keys (GST1 or GST2) on the Hotel Console.

Operating Procedure

Language information is sent to Telephony Server via the PMS interface. No manual operation is required.

Service Conditions

1. This service provides up to 15 languages through optional data programming. In standard data assignment, the following 7 languages are provided as defaults:
 - Japanese
 - English
 - German
 - French
 - Spanish
 - Chinese
 - Russian
2. Relationship between language type and the number of displayed or printed characters in this service is as follows:

Language Type	Number of Displayed or Printed Characters
Up to 15 languages	Maximum 2 characters
Up to 7 languages	Maximum 4 characters

3. Language information does not display for remote guest stations when Centralized Attendants are used in a CCIS network.

4. The default identifiers of languages 1-7 can be changed by the customer to include other languages. Up to four ASCII characters can be used. (Refer to the AHSY command for programming Index 1-32.)

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	DSS (Direct Station Section) Keys 0/1 = Out/In service
		Bit 6	Timing Start using “#” Code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using “*” Code 0/1 = Ineffective/Effective

STEP	CMND	BIT	EXPLANATION																																																																																																						
2	AHSY Index 1 32		For displaying the kind of language information, assign the data by 2 or 4 characters of ASCII code (Indexes 1 through 32). When data are not assigned, the kind of language information is displayed as follows: Language = 0: No display Language = 1: JPN. Language = 2: ENG. Language = 3: GER. Language = 4: FR. Language = 5: SP. Language = 6: CHIN. Language = 7: RUSS. <table><tr><th>Hex Char</th><th>Hex Char</th><th>Hex Char</th><th>Hex Char</th><th>Hex Char</th><th>Hex Char</th></tr><tr><td>20</td><td>30 0</td><td>40 @</td><td>50 P</td><td>60 ‘</td><td>70 p</td></tr><tr><td>21 !</td><td>31 1</td><td>41 A</td><td>51 Q</td><td>61 a</td><td>71 q</td></tr><tr><td>22 !!</td><td>32 2</td><td>42 B</td><td>52 R</td><td>62 b</td><td>72 r</td></tr><tr><td>23 #</td><td>33 3</td><td>43 C</td><td>53 S</td><td>63 c</td><td>73 s</td></tr><tr><td>24 \$</td><td>34 4</td><td>44 D</td><td>54 T</td><td>64 d</td><td>74 t</td></tr><tr><td>25 %</td><td>35 5</td><td>45 E</td><td>55 U</td><td>65 e</td><td>75 u</td></tr><tr><td>26 &</td><td>36 6</td><td>46 F</td><td>56 V</td><td>66 f</td><td>76 v</td></tr><tr><td>27 ‘</td><td>37 7</td><td>47 G</td><td>57 W</td><td>67 g</td><td>77 w</td></tr><tr><td>28 (</td><td>38 8</td><td>48 H</td><td>58 X</td><td>68 h</td><td>78 x</td></tr><tr><td>29)</td><td>39 9</td><td>49 I</td><td>59 Y</td><td>69 i</td><td>79 y</td></tr><tr><td>2A *</td><td>3A :</td><td>4A J</td><td>5A Z</td><td>6A j</td><td>7A z</td></tr><tr><td>2B +</td><td>3B ;</td><td>4B K</td><td>5B [</td><td>6B k</td><td>7B</td></tr><tr><td>2C ,</td><td>3C <</td><td>4C L</td><td>5C</td><td>6C l</td><td>7C</td></tr><tr><td>2D -</td><td>3D =</td><td>4D M</td><td>5D]</td><td>6D m</td><td>7D</td></tr><tr><td>2E .</td><td>3E ></td><td>4E N</td><td>5E</td><td>6E n</td><td>7E</td></tr><tr><td>2F /</td><td>3F ?</td><td>4F O</td><td>5F _</td><td>6F o</td><td>7F</td></tr></table>	Hex Char	Hex Char	Hex Char	Hex Char	Hex Char	Hex Char	20	30 0	40 @	50 P	60 ‘	70 p	21 !	31 1	41 A	51 Q	61 a	71 q	22 !!	32 2	42 B	52 R	62 b	72 r	23 #	33 3	43 C	53 S	63 c	73 s	24 \$	34 4	44 D	54 T	64 d	74 t	25 %	35 5	45 E	55 U	65 e	75 u	26 &	36 6	46 F	56 V	66 f	76 v	27 ‘	37 7	47 G	57 W	67 g	77 w	28 (	38 8	48 H	58 X	68 h	78 x	29)	39 9	49 I	59 Y	69 i	79 y	2A *	3A :	4A J	5A Z	6A j	7A z	2B +	3B ;	4B K	5B [	6B k	7B	2C ,	3C <	4C L	5C	6C l	7C	2D -	3D =	4D M	5D]	6D m	7D	2E .	3E >	4E N	5E	6E n	7E	2F /	3F ?	4F O	5F _	6F o	7F
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2F /	3F ?	4F O	5F _	6F o	7F																																																																																																				
			For example: To change the default language for Language 7 from RUSS (Russian) to PORT (Portuguese), the required programming would be as follows: AHSY Index 29 = 50 h = ASCII =P 30 = 4F h = ASCII =O 31 = 52 h = ASCII =R 32 = 54 h = ASCII =T																																																																																																						

STEP	CMND	BIT	EXPLANATION	
3	AHSY Index 100	Bit 0	Number of times of Wake-Up answer retry.	
		Bit 1	Bit 1 Bit 0	
			0 0	= No answer retry 0 time
			0 1	= No answer retry 1 time
			1 0	= No answer retry 2 times
			1 1	= No answer retry 3 times
		Bit 2	Number of characters of language information display 0/1 = Up to 7 Languages/Up to 15 Languages	
		Bit 3	Restriction for hooking when a guest station has originated an outgoing central office line call. 0/1 = Required/Not required	
4	AHSY Index 101	Bit 4	Not used	
		Bit 5		
		Bit 6	Overtime Call when a station user places a central office trunk call 0 = Administration and Guest go to CONSOLE 1 = Guest only goes to CONSOLE	
		Bit 7	Key that means the P.M. in a case where Wake Up time is set by the 12-hour system. (For Automatic Wake Up Service) 0/1 = *Key/#Key	
		Bit 0	LANG = 0	When an incoming call terminates to the hotel/motel console from a guest station of the language category corresponding to each bit. The key to which the call terminates: 0: GST1 Key 1: GST2 Key
		Bit 1	LANG = 1	
		Bit 2	LANG = 2	
		Bit 3	LANG = 3	
		Bit 4	LANG = 4	Language data is assigned on each guest station basis as per the information from the PMS.
		Bit 5	LANG = 5	
		Bit 6	LANG = 6	
		Bit 7	LANG = 7	
5	AHSY Index 102	Bit 0	LANG = 8	When an incoming call terminates to the hotel/motel console from a guest station of the language category corresponding to each bit. The key to which the call terminates: 0: GST1 Key 1: GST2 Key
		Bit 1	LANG = 9	
		Bit 2	LANG = 10	
		Bit 3	LANG = 11	
		Bit 4	LANG = 12	Language data is assigned on each guest station basis as per the information from the PMS.
		Bit 5	LANG = 13	
		Bit 6	LANG = 14	
		Bit 7	LANG = 15	

L-27 Language Service

STEP	CMND	BIT	EXPLANATION
6	AHSY Index 183	Bit 0	Setting of hotel/motel console that sets Alert Service 0 Hex: Service can be set from any of the Console 1-F Hex: Service can be set only from the Console of the designated Console Number
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Classifying the call termination indicating keys on the basis of the Language category of the guest at the time an incoming call from a guest station has terminated to the hotel/motel console. 0/1 = Not required/Required
		Bit 5	Not used
		Bit 6	In the case of “All Event No Printout,” the Hotel printer prints out only the information pertaining to outgoing calls. 0/1 = Out/In service (The outgoing call data is assigned by Indexes 360 through 367.)
		Bit 7	Not used
7	AAKP	Assigns the GST2 key (FUNC = 6)	

M-6

Message Waiting

General Description

This feature allows the Console, PMS terminal, or front desk terminal to illuminate a lamp on an individual station to indicate when a message is waiting. With the Automatic Message Waiting Lamp Off [A-48] feature, the Message Waiting Lamp is automatically extinguished when the guest calls to retrieve messages from the message center. Refer to the Automatic Message Waiting Lamp Off [A-48] feature description for details.

Operating Procedure

To set Message Waiting from the Console or front desk terminal

1. Press the MWS (set) key. The associated lamp lights.
2. Dial the guest station number. The console displays the station number.
3. Press the ENTER key. The lamp flashes to confirm that Message Waiting is set. **Note 1**
4. Press the EXIT key. The lamp and station display are extinguished.

Note 1: If a Desktop terminal is used for a guest station, the following will display:



To cancel Message Waiting from the Console or front desk terminal

1. Press the MWR (reset) key. The associated lamp lights.
2. Dial the guest station number. The console displays the station number.
3. Press the ENTER key. The lamp flashes to confirm Message Waiting cancellation. **Note 2**
4. Press the EXIT key. The lamp and station display are extinguished.

Note 2: If a Desktop terminal is used for a guest station, "MW" display will go out.



Note: If an error is made in the course of key operations, press the CLEAR key and continue from Step 2 (station dialing).

Note: When performing service setting or cancellation for two or more stations at the same time, follow Steps 1 through 3 for the first station. Follow Steps 2 (Station Dialing) and 3 (ENTER) for the remaining stations, then continue with Step 4 to exit from the Message Waiting service mode.

Note: Direct Service Set/Reset [D-25] is available for this feature. Refer to the feature description for details.

Service Conditions

1. Message Waiting can be canceled from all the terminals (Console, front desk terminal and PMS terminal, etc.) regardless of who has set Message Waiting. Automatic Message Waiting Lamp Off [A-48] feature can also be provided regardless of which terminal the Message Waiting has been set on. Refer to Automatic Message Waiting Lamp Off [A-48] for more details.
2. Message Waiting set from Message Center Interface cannot be displayed at the front desk terminal or Console. Message Waiting set from Message Center Interface must be cancelled from message Center Interface.
3. For the conditions of the LCD display when several services are set to a guest room Desktop terminal at the same time, see Service Conditions of Automatic Wake-Up [A-10/A-27].
4. This feature can also be set to be restricted only on FAX lines in a suite room. Refer to Assignment Procedure.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION	
1	ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service	
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service	
		Bit 2	Language Service 0/1 = Out/In service	
		Bit 3	Split Hold Service 0/1 = Out/In service	
		Bit 4	Not used	
		Bit 5	DSS (Direct Station Section) keys 0/1 = Out/In service	
		Bit 6	Timing Start using “#” Code 0/1 = Ineffective/Effective	
		Bit 7	Timing Start using “*” Code 0/1 = Ineffective/Effective	
2	ASYD Index 172	Bit 0	Message Waiting	Data transfer to/from PMS when executing the service. 0/1 = Not to be executed/To be executed
		Bit 1	Message Registration	
		Bit 2	Do Not Disturb, Room Cutoff	
		Bit 3	Room Status	
		Bit 4	Automatic Wake up, Group Announcement	
		Bit 5	Room Change, Room Swap	
		Bit 6	Room Data Change	
		Bit 7	Message Waiting	Data transfer to/from PMS when executing the service. 0/1 = administration and guest station / guest station only

M-6 Message Waiting

STEP	CMND	BIT	EXPLANATION
3	AHSY Index 139	Bit 0	Not used
		Bit 1	
		Bit 2	Message Waiting Lamp Indication of “Do Not Disturb” 0/1 = Lights Steadily/Flashes
		Bit 3	Message Waiting Lamp Indication of “Do Not Disturb” 0/1 = Not required/Required
		Bit 4	Message Waiting Lamp 0/1 = Lights Steadily/Flashes
		Bit 5	Message Waiting Lamp Control 0/1 = Required/Not required
		Bit 6	2-Line Guest Name Display on a Desktop terminal 0/1 = Out/In service
		Bit 7	Not used
4	AHSY Index 403	Bit 0	Processing when Checkout Result (Feature Code = 16, Function Code = 2) has been received from PMS. 0: Change to Out status 1: All guest memory is cleared
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
5	AHSY Index 252	Bit 0	Room Key Information 0/1 = Key Rack Type/Card Rack Type
		Bit 1	Not used
		Bit 2	
		Bit 3	
		Bit 4	Message Waiting can be cancelled at any terminal (PMS terminal, ATTCN, front desk terminal, etc.) regardless of which terminal the service is set on. 0/1 = Invalid/Valid
		Bit 5	Not used
		Bit 6	
		Bit 7	
6	AHSY Index 535	Bit 0	Not used.
		Bit 1	
		Bit 2	Restriction on FAX Line Message Waiting Lamp in Suite Room 0/1 = Invalid/Valid
		Bit 3	Not used.
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
STEP	CMND	EXPLANATION	
7	ASFC	Release the restriction of SFI = 69 for the SFC of the stations receiving Message Waiting Service.	
8	ASFC	Release the restriction of SFI = 48 for the SFC of the FAX lines on which Message Waiting is restricted.	

M-22

Maid Status

General Description

This feature allows the Console, Special Administration, or guest room stations to update the status of guest room conditions. This information is stored in the Hotel Processor (HP) for printout services, and is forwarded to the PMS computer for readout. Audit Reports [A-26] of Maid Status are also available. Refer to Audit Reports [A-26] for details.

The types of room conditions that can be entered are as follows:

- To be Cleaned
- Cleaned
- Ready to Sell
- Out of Service
- Repair Needed
- Repair Complete

Identification codes may be used with all conditions, if required.

Operating Procedure

Setting Maid Status from guest room station; by maid or repairman

1. Lift the handset. Hear Dial Tone.
2. Dial the Maid Status access code (programmed via PCPro). Hear Dial Tone.
3. If the identification code is used, dial the identification code. Hear Service Set Tone, music, or confirmation announcement. **Note 1**
4. Hang up.

Note 1: If a Desktop terminal is used for a guest station, the following will display:

SET (Time and Date) >>>

Service setting from the Special Administration station

1. Lift the handset. Hear Dial Tone.
2. Dial the Maid Status access code. Hear Dial Tone.
3. If the identification code is used, dial the identification code. Hear Special Dial Tone.
4. Dial the guest room station number. Hear Service Set Tone. **Note 2**
5. Hang up.

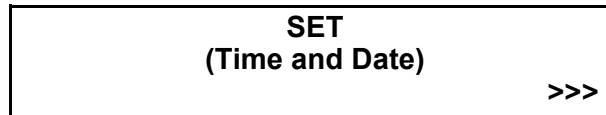
Note 2: If a Desktop terminal is used for a guest station, the following will display:

SET RMS XXXX (Time and Date) >>>

Note: Reorder tone will be heard instead of service set tone if this feature is not accepted by Telephony Server.

Note: Service set tone will be heard after the Maid Status access code is dialed, if the Maid ID code is not in service.

Note: If the Maid ID code is not in service, the following will be displayed on the LCD (if a Desktop terminal is used for a guest station) after the Maid Status access code is dialed:



This display appears when the "To Be Cleaned," "Cleaned," "Ready to Sell," or "Out of Service" status is assigned.

To set from the Console

1. Press the STS key. The associated lamp lights.
2. Dial the guest room number. The console displays the guest room number.
3. Press Enter. Station status is displayed and the lamp flashes.
4. Press the STS key again. The most recent Maid Status information appears in the top right hand corner of the room information display.
5. To change Maid Status information, press the desired status code (1 - 9). The new status is displayed for confirmation. **Note 3**
6. Press the ENTER key. The STS Lamp flashes for confirmation. **Note 4**
7. Press the EXIT key. The Maid Status indication and STS Lamp are extinguished.

Note 3: Standard Maid Status codes 1-9, entered at the Console, are listed below:

- 1: To Be Cleaned
- 2: Cleaned
- 3: Ready to Sell
- 4: Out of Service
- 5: Not Used
- 6: Not Used
- 7: Not Used
- 8: Repair Completed
- 9: Repair Needed

Note 4: Actual Maid Status displays on the Attendant Console as an alpha-character (V, X, S, SC, etc.).

Service Conditions

1. When this service is activated, the identification code (if used) and room status are forwarded to the PMS computer and stored in the HP memory until the next data for the room is entered. When Maid Status is entered from a guest room station, a printout on the Telephony Server printer can be provided at the hotel printer only when the PMS-Telephony Server communication link is closed.
2. Maid Status information from the Console, guest phones, or the Special Administration station is sent to the PMS for readout.
3. A maximum of six digits can be used for the identification code (specific maid, repairman, Special Administration station). Use of ID codes is optional, and is left to the customer's discretion.

4. When setting this service from a guest room or Special Administration station, each function code has its own access code.
5. If “Repair Needed” status is assigned to a room, the room status displays “OUT OF SERVICE”. (Execution of Repair Needed is the same as Out of Service.)
6. If “Repair Completed” status is assigned to a room, the room status displays “READY TO SELL”. (Execution of Repair Completed is the same as Ready to Sell.)
7. When the room is in “Check-In” status, only the “To Be Cleaned” or “Cleaned” status can be assigned. When the room is in “Check-out” status, any Maid Status can be assigned.
8. After the maid or repairman dials Maid Status access code from guest room station, either service set tone or confirmation announcement can be provided, according to selection by the system. (The announcement or music can be heard, so the maid or repairman can confirm the access code he/she had dialed.) The announcement is connected in multiple connection, and will be disconnected after 30 seconds.
9. PMS Terminals cannot set Maid Status.
10. This service feature is compatible with the Maid Status ANSWERBACK [M-68] feature, and both can coexist in the same system.
11. If an error is made upon dialing the identification code (if used), a Reorder Tone will be heard.
12. When setting Maid Status from an administration station, the system provides SPDT to the operator, allowing the operator to set Maid Status sequentially.
13. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 163	Bit 0	Overtime Call timer.
		Bit 1 Bit 0	Bit 1 Bit 0
		0 0 = 30 min.	1 0 = 90 min.
		0 1 = 60 min.	1 1 = 120 min.
		Bit 2	Overtime Call 0/1 = Out/In service
		Bit 3	Overtime Call indication 0/1 = On Console/hotel printer
		Bit 4	Step Call from guest station is allowed 0/1 = Out Service/In
		Bit 5	Tone type for Maid Dialing Bit 1 Bit 0 Bit 1 Bit 0
		Bit 6	0 0 = SST 1 0 = - 0 1 = Announcement 1 1 = Music-on-Hold
		Bit 7	Start time of Automatic Wake-Up Call 0/1: On time/5 min. before

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 164	Bit 0	Assignment of ID code Information Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
			0 0 0 = Not used 1 0 0 = 4 digits
		Bit 1	0 0 1 = 1 digit 1 0 1 = 5 digits
			0 1 0 = 2 digits 1 1 0 = 6 digits
		Bit 2	0 1 1 = 3 digits 1 1 1 = Not used
			Note: Do not assign "000" or "111" when Bit 3 equal 1.
		Bit 3	ID code for setting/canceling Maid Status 0/1 = Not required/Required
		Bit 4	Number of Digits of Group Code (PMS option)
3	System Data 1 ASYD Index 170	Bit 5	Bit 6 Bit 5 Bit 4 Bit 6 Bit 5 Bit 4
			0 0 0 = Not used 1 0 0 = 4 digits
			0 0 1 = 1 digit 1 0 1 = 5 digits
		Bit 6	0 1 0 = 2 digits 1 1 0 = 6 digits
			0 1 1 = 3 digits 1 1 1 = Not used
		Bit 7	ID code to be entered when setting or canceling Automatic Wake-Up Call from the Special Administration station 0/1 = Not required/Required
		Bit 0	Room status data to be set at the time of Checkout
		Bit 1	Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
4	AHSY Index 33 - 42		0 0 0 = - 0 1 0 = Cleaned
		Bit 2	0 0 1 = To be Cleaned 0 1 1 = Ready for Occupancy
			Do not assign other data.
		Bit 3	Restriction at the time of Do Not Disturb and Room Cutoff 0/1 = Room Status Memory/Change of RSC
		Bit 4	Timing Start 0/1 = Not required/Required
		Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (Goes to Console)
		Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change Table (ADNR) 1 = By the Night key of the ATT
		Bit 7	Message Registration from Hotel Processor 0/1: Yes/No
4	AHSY Index 33 - 42		Maid Status Information Display For information display at the time of Checkout, assign the related data by two characters of ASCII code.
			Checkout Index 33-34
			Cleaning Index 35-36
			Inspection Index 37-38
			Inspection has been completed Index 39-40
			Out of Order Index 41-42

M-22 Maid Status

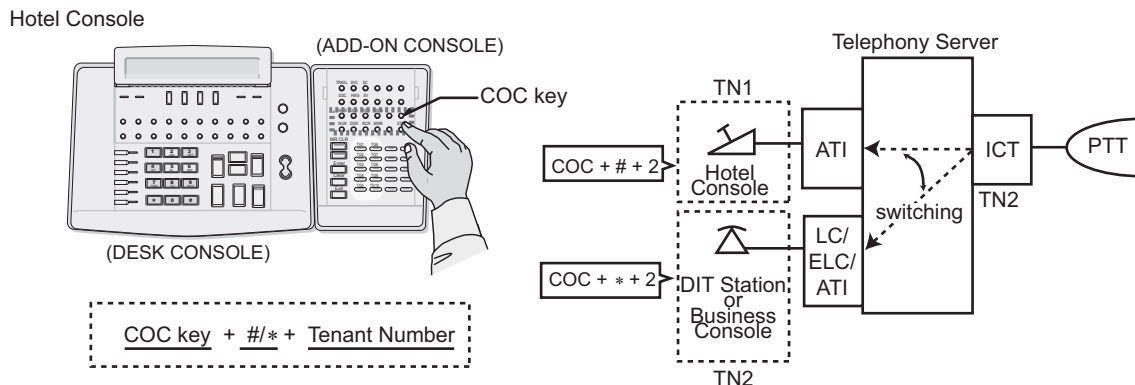
STEP	CMND	BIT	EXPLANATION
5	AHSY Index 49 - 54		Maid Status Information Display For information display at the time of Stay, assign the related data by two characters of ASCII code. Stay Index 49-50 Stay Cleaning Index 51-52 Stay Inspection Index 53-54
6	AHSY Index 105	Bit 0	Not used
		Bit 1	
		Bit 2	Maid Dial service from Console 0/1 = Not required/Required
		Bit 3	Not used
		Bit 4	Pattern of Wake Up Time Indication on the Console 0/1 = 24-Hour/12-Hour System
		Bit 5	Not used
		Bit 6	
		Bit 7	Guest Name Display on Console 0/1 = Interface Type Model 60, 90, 120/Model 90, 120
7	AHSY Index 143	Bit 4	Can Maid status be changed on a vacant room 0/1 = No/Yes
8	AHSY Index 165	Bit 0	EQP Type for Maid Status (0~15) 0: EQP 16 1~F: EQP 1~EQP 15
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Tone Type when Maid Status “To be Cleaned” has been set: 0/1 = Tone designated in ASYD (System data 1, Index 163, Bit 5, Bit 6)/SST
		Bit 5	Tone Type when Maid Status “Cleaned” has been set: 0/1 = Tone designated in ASYD (System data 1, Index 163, Bit 5, Bit 6)/SST
		Bit 6	Tone Type when Maid Status “Ready for Occupancy” has been set: 0/1 = Tone designated in ASYD (System data1, Index 163, Bit 5, Bit 6)/SST
		Bit 7	Not used
STEP	CMND	EXPLANATION	
9	AANP or AGNP	Assign minimum necessary number of digits for the first number of the Maid Status Service access code.	
10	AASP or AGSP	Assign the Maid Status Service access code. (CI = N, SRV = SSC, SID = 36 STATE = 1-4, 17-20)	
11	ASFC	Assign the data for allowing the service to the SFC of the stations which receive Maid Status Service. (RES = 1 (Allowed) for SFI = 43)	
Note: Steps after ASFC are necessary only when the destination of the tone of Maid Status is designated as Announcement Machine (see System data1, ASYD, Index 163 in Command Manual).			

STEP	CMND	EXPLANATION
12	ARTD	Assign route data of the trunk interfacing with the announcement unit. (OSGS = 2, TCL = 4, LSG = 5 should be set.) Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
13	ATRK	Assign the trunk interfacing with announcement unit.
14	MBTK	Release the make-busy of the trunk assigned in ATRK.
15	ARSC	Release the call restrictions between the RSC of the station accessing the announcement unit and the route of the trunk assigned in ATRK. (RRI = 2, 3)
16	AAED /AAEDL Note 5	Assign the Data to the announcement unit number and the route data, etc. assigned in ATRK. (EQP = 16 - 19) Note 5: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.

M-51 Manual Switching of Central Office Incoming Call Destination

General Description

This feature allows the Console operator to manually change the termination point of a specific group of trunks. Trunks that normally are used as DIT trunks may be changed to terminate at the Console. In the following example, the operator can switch the termination point to the Hotel Console by pressing COC key, # and Tenant Number of the DIT Station/Business Console.



Operating Procedure

To change the termination of DIT trunks from stations to the Console

1. Press the CIC key. The associated LED lamps.
2. Dial “#” and the tenant number (2-7). Press the ENTER key. The LED stays steadily lit.
3. Press Exit. The console displays the status of the trunks as “Not Switched”.

To change the termination of trunks from the Console to the DIT station or Business Console

1. Press the CIC key. The associated LED lamps.
2. Dial “*” and the tenant number (2-7). Press the ENTER key. The LED stays solid.
3. Press Exit. The console displays the status of the trunks as “Not Switched”.

Service Conditions

1. Only trunks in tenants 2-7 may be switched. The Console must be in tenant 1.
2. This service is only applicable to central office ring-down trunks.
3. It is possible to reverse the Console display through system programming so that trunks terminating to the DIT stations will be displayed as Not Switched. Calls terminating to the Console will be displayed as Switched.

4. Since CIC key is assigned in the same place as the AUD key, Audit Reports [A-26] function is not available when this feature is activated unless AHSY Index 115-126 is used to assign one of the keys to another location.
5. This feature is not available across a CCIS network.
6. Check-In/Checkout or Check-In Cancellation will not change the destination of the DIT calls.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION													
1	AHSY Index 166	Bit 0	TN = 2	Set “1” to the bit corresponding to the Tenant Number of the Tenant receiving the central office line changing.												
		Bit 1	TN = 3													
		Bit 2	TN = 4	Whether “central office Incoming Call Answer Station Manual Change” service is provided or not is set on the basis of each TN (Tenant) corresponding to each bit.												
		Bit 3	TN = 5													
		Bit 4	TN = 6													
		Bit 5	TN = 7	0/1 = Out/In service												
		Bit 6	Not used													
		Bit 7														
2	ASYD Index 160	Bit 0	Hotel Feature required Fixed to 1.													
		Bit 1	Hotel Service kind Fixed to 1.													
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte													
		Bit 3	Pattern of key Arrangement on Attendant Console Fixed to 01.													
		Bit 4	<table><tr><td>WUS</td><td>DDS</td><td>MWS</td><td>RCS</td><td></td><td>COC</td></tr><tr><td>WUR</td><td>DDR</td><td>MWR</td><td>RCR</td><td></td><td>STS</td></tr></table>		WUS	DDS	MWS	RCS		COC	WUR	DDR	MWR	RCR		STS
		WUS	DDS	MWS	RCS		COC									
		WUR	DDR	MWR	RCR		STS									
		Bit 5	Guest Name Service 0/1 = Out/In service													
Bit 6	Numbering Plan Data Table of guest station and Admin. Stations 0/1 = Separate/Common															
Bit 7	Fixed to 0.															

M-68

Maid Status - Answerback

General Description

This feature allows a maid or other hotel personnel to receive answerback acknowledgment from the PMS (Property Management System) computer when Maid Status has been changed using guest room station or Special Administration station telephones.

Operating Procedure

Service setting from a guest room station by a maid or repairman

1. Lift handset. Hear Dial Tone.
2. Enter a Maid Status code (corresponding to one of the Maid Status conditions programmed via PCPro) by dial operation. Hear Service Set Tone (answerback).

Note: In case of using a Desktop terminal for a guest station, if the Maid Status code of the "To Be Cleaned," "Cleaned," "Ready to Sell," or "Out of Service" status is entered, the following will display:

SET (Time and Date) >>>

Service setting from the Special Administration station

1. Lift handset. Hear Dial Tone.
2. Enter a Maid Status code (corresponding to one of the Maid Status conditions programmed via PCPro) by dial operation. Hear Special Dial Tone.
3. Dial the guest room station number. Hear Service Set Tone (answerback).
4. To repeat the same status for another guest room station, repeat Step 3.

Service Conditions

1. This service is activated only when Maid Status is entered through dial operation from a guest room station or Special Administration station telephone.
2. Maid Status information depends upon the PMS computer software.
3. Reorder tone will be heard instead of service set tone if the PMS does not respond within 30 seconds or sends a negative answer to Telephony Server.
4. This service feature is compatible with the Maid Status [M-22] feature; both can coexist in the same system.
5. Model 90 or Model 120 PMS is required for this feature.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION	
1	System Data 1 ASYD Index 163	Bit 0	Overtime Call timer.	
			Bit 1 Bit 0Bit 1 Bit 0	
		Bit 1	00 = 30 min.10 = 90 min. 01 = 60 min.11 = 120 min.	
		Bit 2	Overtime Call 0/1 = Out/In service	
		Bit 3	Overtime Call indication 0/1 = On Console/hotel printer	
		Bit 4	Step Call from guest station is allowed 0/1 = Out Service/In	
		Bit 5	Tone type for Maid Dialing	
			Bit 6 Bit 5Bit 6 Bit 5	
Bit 6	00 = SST10 = - 01 = Announcement11 = Music-on-Hold			
Bit 7	Start time of Automatic Wake-Up Call 0/1: On time/5 min. before			
2	System Data 1 ASYD Index 164	Bit 0	Assignment of ID code Information	
			Bit 2 Bit 1 Bit 0Bit 2 Bit 1 Bit 0	
		Bit 1		
		Bit 2	000 = Not used100 = 4 digits 001 = 1 digit101 = 5 digits 010 = 2 digits110 = 6 digits 011 = 3 digits111 = Not used	
			Note: Do not assign “000” or “111” when Bit 3 equal 1.	
			Bit 3	ID code for setting/canceling Maid Status 0/1 = Not required/Required
			Bit 4	Number of Digits of Group Code (PMS option)
		Bit 5	Bit 6 Bit 5 Bit 4Bit 6 Bit 5 Bit 4	
		Bit 6	000 = Not used100 = 4 digits 001 = 1 digit101 = 5 digits 010 = 2 digits110 = 6 digits 011 = 3 digits111 = Not used	
Bit 7	ID code to be entered when setting or canceling Automatic Wake-Up Call from the Special Administration station 0/1 = Not required/Required			

M-68 Maid Status - Answerback

STEP	CMND	BIT	EXPLANATION
3	System Data 1 ASYD Index 170	Bit 0	Room status data (Bit 2, Bit 1, Bit 0) to be set at the time of Checkout Bit 2 Bit 1 Bit 0 0 0 0 = - 0 1 0 =Cleaned 0 0 1 = To be Cleaned 0 1 1 =Ready for Occupancy Note: Do not assign other data.
		Bit 1	
		Bit 2	
		Bit 3	Restriction at the time of Do not Disturb and Room Cut-Off 0/1 = Room Status Memory/Change of RSC (Note 1)
		Bit 4	Timing Start 0/1 = Not required/Required
		Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (Goes to Console)
		Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change Table (ADNR) 1 = By the Night key of the ATT
		Bit 7	Message Registration from Hotel Processor 0/1: Yes/No (ASYD Index 172, Bit 1 must be flagged to receive the 14-2 message.)
4	AHSY Index 143	Bit 4	Can Maid status be changed in a vacant room? 0/1 = No/Yes

Note 1: Room Cutoff (RSC 13)
Do Not Disturb (RSC 14)
Room Cutoff and Do Not Disturb (RSC 15)

STEP	CMND	EXPLANATION
5	AANP or AGNP	Assign minimum necessary number of digits for the first number of the Maid Status Service access code.
6	AASP or AGSP	Assign the Maid Status Service access code. (CI = N, SRV = SSC, SID = 36 STATE = 1-15, 25-31)
7	ASFC	Assign the data for allowing the service to the SFC of the stations that receive Maid Status Service. (RES = 1 (Allowed) for SFI = 43)
Note: Steps after ASFC are necessary only when the destination of the tone of Maid Status is designated as Announcement Machine (see System data1, ASYD, Index 163 in Command Manual).		
8	ARTD	Assign route data of the trunk interfacing with the announcement unit. (OSGS = 2, TCL = 4, LSG = 51 should be set without fail) Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.
9	ATRK	Assign the trunk interfacing with announcement unit.
10	MBTK	Release the make-busy of the trunk assigned in ATRK.
11	ARSC	Release the call restrictions between the RSC of the station accessing the announcement unit and the route of the trunk assigned in ATRK. (RRI = 2, 3)
12	AAED /AAEDL Note 2	Assign the Data to the announcement unit number and the route data, etc. assigned in ATRK. (EQP = 16 - 19) Note 2: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.

Note: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.

M-121 Multiple-Party Conference (VS32) for Hotel

General Description

This feature enables Multiple-Party Conference calls in a Hotel system, using the VS32. The system has a capacity to accommodate the following conference call participants:

- Up to 32 parties x 1 group
- Up to 16 parties x 2 groups
- Up to 8 parties x 4 groups

You can use the following Multiple-Party Conference calls:

- Meet-Me
- Preset
- Progressive
- Add-On **Note 1**

Note 1: Available since FP95-115 V5.

Operating Procedure

Operating procedure is common with those described in ADD-ON CONFERENCE - 8 PARTY [A-121] or the Multiple-Party Conference section of VS32 CONFERENCE SERVER [V-26] in Data Programming Manual - Business.

Service Conditions

This section describes service conditions unique to the Hotel features of the system. For other conditions common to the Business features, refer to Service Conditions in ADD-ON CONFERENCE - 8 PARTY [A-121] or “Service Conditions for Multiple-Party Conference” in VS32 CONFERENCE SERVER [V-26] in Data Programming Manual - Business.

<Important Notices>

The factors listed below should be considered when different numbering plans are implemented for administration and guest stations.

1. Administration stations (ADM) and guest stations (GST) cannot coexist in the same conference call group. Stations participating in a conference must be all ADMs or GSTs, regardless of being set for the Conference Leader port or a Conferee port.
2. In a Preset Conference call, a guest station (GST) cannot be set for a Conferee port of the VS32.
3. In a Hotel system where different numbering plans are used for administration and guest stations, a guest station cannot make a call to an administration station, thus making it impossible for:
 - a.) a guest station to make a call to the Conference Leader port or a Conferee port allocated to an administration station, or
 - b.) the Conference Leader port or a Conferee port allocated to a guest station to make a call to an administration station.

Note: To make a call from a guest station to an administration station when guest/administration numbering plan has been separated, dial an access code for Split Access to Outgoing [S-17] or Guest/Administrative Service [G-1]. For details of access code settings, refer to Split Access to Outgoing [S-17] or Guest/Administrative Service [G-1] in Data Programming Manual - Hotel.

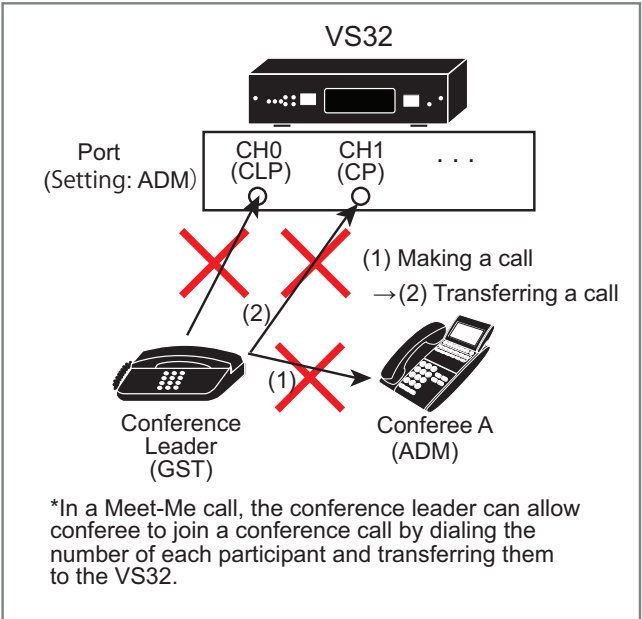
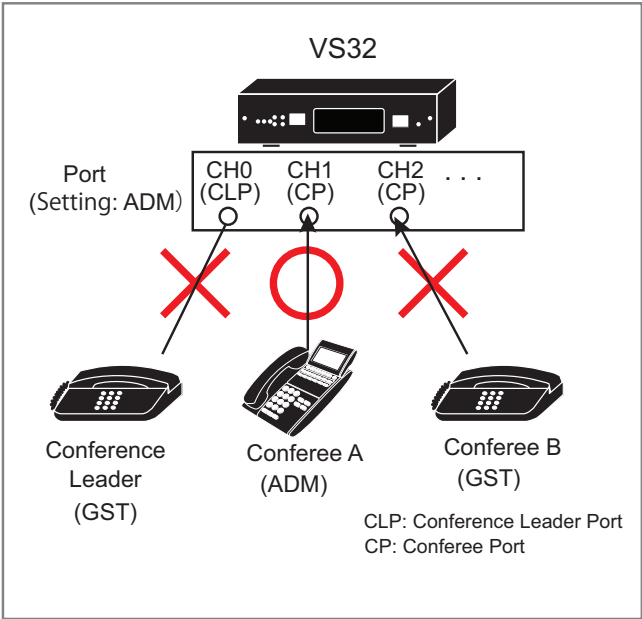
The following are connection availability for each Multiple-Party Conference call in an environment where different numbering plans are implemented for administration and guest stations.

Meet-Me

	Receive a Call	VS32		Conferee	
		ADM	GST	ADM	GST
Make a Call					
VS32	ADM				
	GST				
Conference Leader	ADM	X	X	X	X
	GST	N	X	N	X
Conferee	ADM	X	X		
	GST	N	X		

X: Available/N: Not Available

Connection Availability in the Meet-Me Call

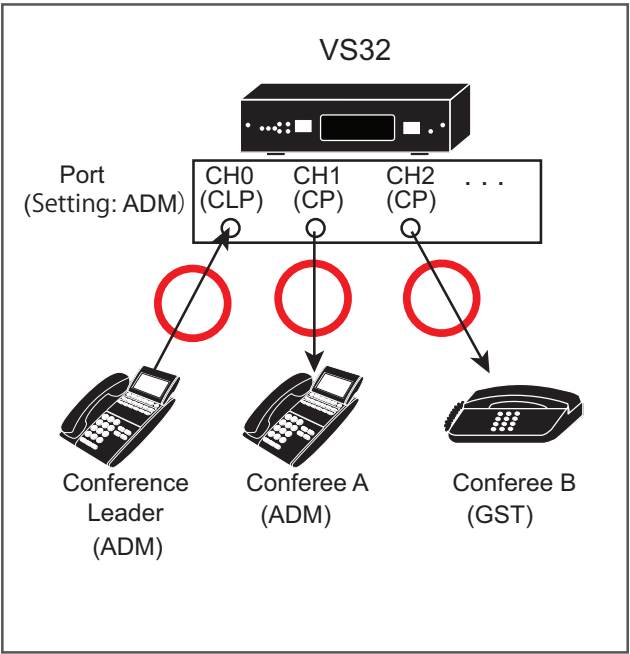
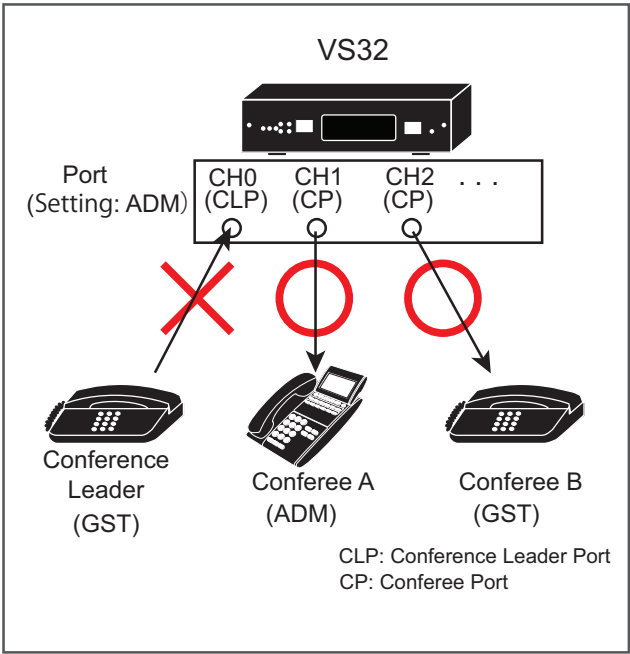


Preset

	Receive a Call	VS32		Conferee	
		ADM	GST	ADM	GST
VS32	ADM			X	X
	GST				
Conference Leader	ADM	X			
	GST	N			
Conferee	ADM				
	GST				

X: Available/N: Not Available

Connection Availability in the Preset Call

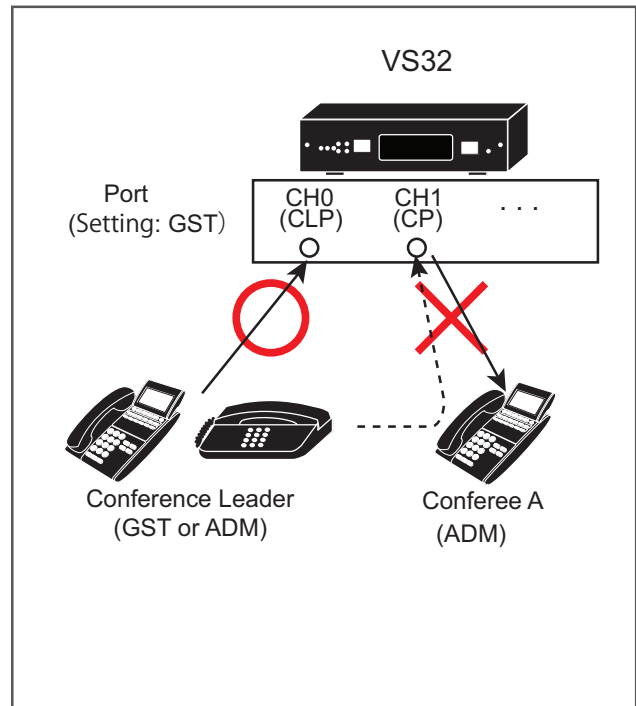
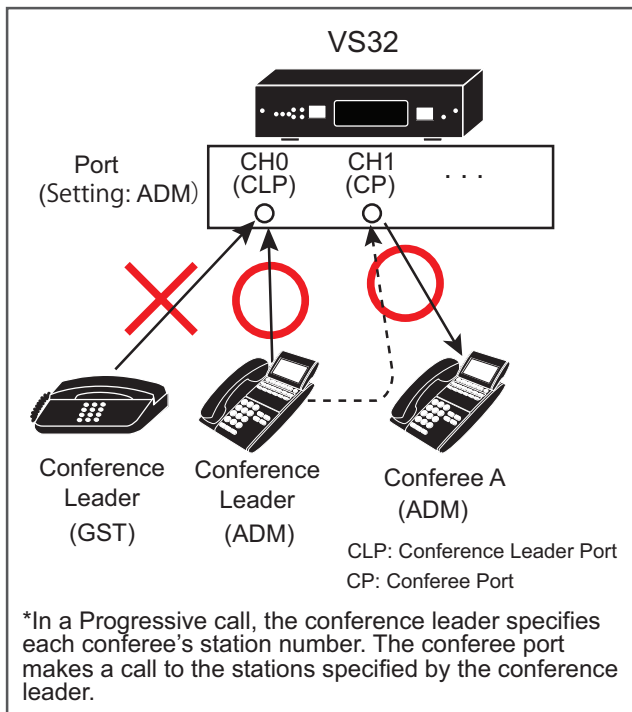


Progressive

		VS32		Conferee	
		ADM	GST	ADM	GST
VS32	ADM			X	X
	GST			N	X
Conference Leader	ADM	X	X		
	GST	N	X		
Conferee	ADM				
	GST				

X: Available/N: Not Available

Connection Availability in the Progressive Call

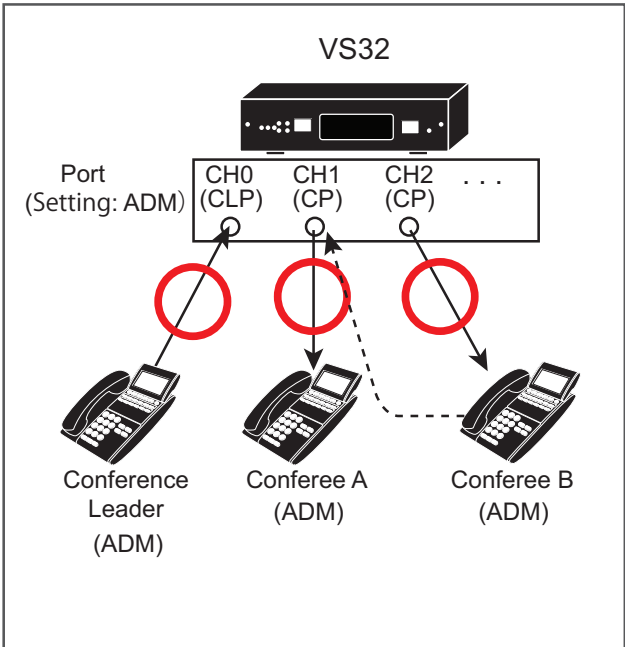
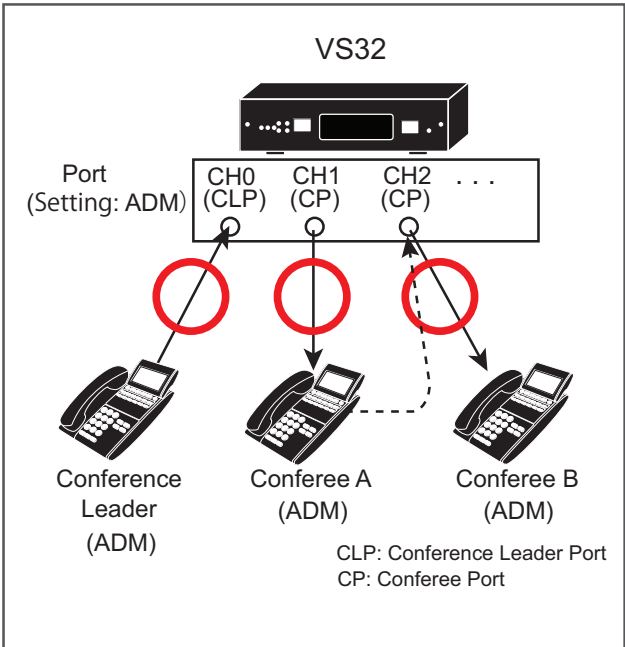


Add-On **Note 2**

	Receive a Call	VS32		Conferee	
		ADM	GST	ADM	GST
VS32	ADM			X	
	GST				
Conference Leader	ADM	X		X	
	GST				
Conferee	ADM	X		X	
	GST				

X: Available/N: Not Available

Connection Availability in the Add-On Call



*In an Add-On call, any conference member can dial another station number to invite them to the conference.

Note 2: Available since FP95-115 V5.

<Interactions with Other Features>

1. When a boss's station for Secretarial Service - Guest Station [S-74] is a conferee, the following conditions apply to stations connected to a conference call:

- a.) Meet-Me

When a conference leader makes Meet-Me calls by repeating dialing and transferring operations, the Secretary's station is connected to the conference. To connect the boss's station to the conference, the answering Secretary needs to transfer the call to the boss's station before the conference leader transfers the boss to the Conference Leader port.

- b.) Preset

Secretary's station is connected to the conference.

- c.) Progressive

Secretary's station is connected to the conference. To connect the boss's station to the conference, the answering Secretary needs to transfer the call to the boss's station before the conference leader presses the asterisk ("*") key to connect the boss to the conference.

Note: In any case of the above (a) to (c), the Secretary can transfer the call to the boss after being connected to the conference.

2. When the Primary Station for Suite Room Service [S-75] is a conferee, the following conditions apply to stations connected to a conference call:

- a.) Meet-Me

When a conference leader makes Meet-Me calls by repeating dialing and transferring operations, the station that answered the call is connected to the conference. To connect another participant instead, the answering station needs to transfer the Meet-Me call to the relevant participant before the conference leader transfers the participant to a Conferee port.

- b.) Preset

The station that answered the call is connected to the conference.

- c.) Progressive

The station that answered the call is connected to the conference. To connect another participant instead, the answering station needs to transfer the Progressive call to the relevant participant before the conference leader presses the asterisk ("*") key to connect the participant to the conference.

Note: In any case of the above (a) to (c), the station connected to a conference can transfer the call to a different station.

3. If any of the stations in a suite room is in busy state when the Primary Station of the Suite Room Service [S-75] is called as a conferee, call processing depends on the setting of the Hotel system parameter (AHSY, Index 188, Bit 0 and 1).

AHSY Command (Index 188, Bit 0 and 1)

Setting	Description
00	Conference leader hears the Busy tone.
01	An idle secondary station within the room is called.
10	From a station, the call is transferred to the Attendant Console if the caller is not the console operator.

4. When an incoming call to a conferee is restricted by an incoming call restriction feature, such as Do Not Disturb, call processing depends on the setting of the system data (ASYD, SYS1, Index 162, Bit 4 and 5).

ASYD Command (SYS1, Index 162, Bit 4 and 5)

Setting	Description
00	Conference leader hears the ROT.
01	Calls are transferred to ATT.
10	Caller hears Announcement.
11	Calls are transferred to a specified station.

Note: The above mentioned “Incoming call restriction” features mean the following features:

- Do Not Disturb [D-11]
- Group Restriction [G-21]

5. Multiple-Party Conference calls are not available in the following case where Outgoing Station Call Restriction is set for a guest station by Group Restriction [G-21]:

Guest stations are specified for the Conference Leader port and a Conferee port, and Outgoing Station Call Restriction is set for the conference leader.

6. Meet-Me call is not available in the following case where Outgoing Station Call Restriction is set for a guest station by Group Restriction [G-21]:

Guest stations are specified for the Conference Leader port and a Conferee port, and Outgoing Station Call Restriction is set for all the conferees.

7. When Outgoing and Incoming Call Restriction is set for both the conference leader and a conferee of the same conference group, the conference leader cannot invite the conferee to the conference call by dialing and transferring operation of Meet-Me.
8. In billing for Multiple-Party Conference calls in a Hotel system, all information on the conference leader is recorded as “Calling Party” information with the ASFC command (SFI: 222=1, 8-Party Conference Billing Enhancement.) When a participant uses a C.O. line, the billing data is provided for the PMS. In this case, the conference leader’s number is set for the station number of billing data.

9. By using the ASFC command, the following Service Features are available for Multiple-Party Conference calls in a Hotel system:

SFI	Service Feature
32	Line Circuit Reverse Relay Control (for 16LC) Note 3
50	Off-Premise Extension (Long Line Telephone - No Howler, No PAD Control)
71	Distinctive Dial tone
72	Called Station Switch Hook Flash Restriction
131	Add on Conference - 8 Party Note 3
221	Conference trunk (Stop the hold music during 8/16/32-Party Conference)

Note 3: Available since FP95-115 V5.

<Hardware/Software>

1. Supported by the VS32 with firmware version SP-3834 VS32 PROG-B or later.

Assignment Procedure

This section describes the programming procedures specific to the Hotel features of the system. For other procedures common to the Business features, refer to “Programming” in ADD-ON CONFERENCE - 8 PARTY [A-121] or VS32 CONFERENCE SERVER [V-26] in Data Programming Manual - Business.

STEP 1: AANP/AGNP (Assignment of Administration Numbering Plan/Assignment of Guest Numbering Plan)

Assign minimum necessary numbers of digits for the first number of the Conference Leader port or Conferee ports to be used for Multiple-Party Conference calls in the Hotel system.

Note: For detailed information about AANP/AGNP, refer to Guest/Administrative Service [G-1] in this manual.

STEP 2: AASP/AGSP (Assignment of Administration Special Access Code/Assignment of Guest Special Access Code)

Assign special access code for station numbers of the Conference Leader port or Conferee ports to be used for Multiple-Party Conference calls in the Hotel system.

Note: For detailed information about AASP/AGSP, refer to Guest/Administrative Service [G-1] in this manual.

STEP 3: AIVSL (Assignment of VS data for LDM)

Assign the following parameters specific to the Hotel features, in addition to the basic settings for 8-CONF/16-CONF/32-CONF: **Note 4**, **Note 5**

ADM/GST: Specify station type; Administration (ADM) or Guest (GST) **Note 6**

ROOM CLASS: Specify Room Class (0-15), according to the station type as follows:

- For administration station (ADM)

Use the same data set for the Room Class of the AAST command.

- For guest station (GST)

Use the same data set for the Room Class of the AGST command.

ANNEX: Specify the type of building (0-3).

0=Main Building

1=Annex 1

2=Annex 2

3=Annex 3

GROUND: Specify the type of construction (0/1)

0=Ground

1=Underground

FLOOR Specify the floor (1-127).

Note 4: Parameters of Telephone Equipment Class (TEC) are as follows:

TEC Parameters

Conference Call	Port Type of VS32 (CH)	ADM/GST	TEC
Meet-Me	CLP	ADM	2
		GST	6
	CP	ADM	2
		GST	6
Preset	CLP	ADM	2
		GST	6
	CP	ADM	14
Progressive	CLP	ADM	2
		GST	6
	CP	ADM	2
		GST	6
Add-On Note 7	CLP	ADM	27
	CP	ADM	27

CLP: Conference Leader Port/CP: Conferee Port

Note 5: Values different from those used for the Business features must be assigned to the “Route Restriction Class (RSC)” and “Service Feature Restriction Class (SFC)” parameters.

Note 6: The “ADM/GST” (administration station or guest station) parameter must be set so that administration stations and guest stations do not coexist in the same conference call group.

Note 7: Available since FP95-115 V5.

Note: Access code setting of Split Access to Outgoing [S-17] or Guest/Administrative Service [G-1] is also required for an administration station to receive calls from guest stations.

Note: The following is an example of setting for Preset (8-Party Conference), where LENS (MG=00, Unit=1, Group=03) are assigned to channels 0-7 of the VS32.

Example of Setting for Preset (8-Party conference)

CH	LENS	ST. NO.	TEC	SFC	RSC	ADM /GST	Room Class	Annex	Ground	Floor	Port
0	001030	3200	2	10	10	ADM	0	0	0	1	CLP
1	001031	3201	14	10	10	ADM	0	0	0	1	CP
2	001032	3202	14	10	10	ADM	0	0	0	1	
3	001033	3203	14	10	10	ADM	0	0	0	1	
4	001034	3204	14	10	10	ADM	0	0	0	1	
5	001035	3205	14	10	10	ADM	0	0	0	1	
6	001036	3206	14	10	10	ADM	0	0	0	1	
7	001037	3207	14	10	10	ADM	0	0	0	1	

CLP: Conference Leader Port/CP: Conferee Port

O-6

Off-hook Alarm

General Description

The OFF-HOOK ALARM feature is intended for emergency alert situations. A station user who remains off-hook without dialing for longer than 30 seconds is automatically routed to the **EMG** key on the Console or to a pre-designated station.

Operating Procedure

1. Station user goes off-hook. After 30 seconds, a call is routed to the EMG key on the console or to a station.
2. The attendant presses the EMG key to respond. The station data is displayed.
3. If the attendant presses the HWS key on the console, the Howler Tone is sent to an off-hook station that is routed to the EMG key.

Service Conditions

1. Under Call Hold [C-6] or Consultation Hold - All Calls [C-17] mode, the OFF-HOOK ALARM service cannot be activated (for example, if the user neglects to dial after receiving special dial tone).
2. This feature is assigned on a Class of Service - Individual [C-15] basis.
3. When the OFF-HOOK ALARM terminates at a Desktop terminal, the display shows “OFA” in addition to the station number.
4. The predetermined time of 30 seconds is fixed in system programming.
5. By pressing the HWS key on the Hotel Console, an attendant can send Howler Tone to an off-hook, single line station routed to the EMG key.
6. Howler Tone will be sent to a guest station one time only.
7. When OFF-HOOK ALARM service is available (ASYD, SYS1, Index 168, Bit 4=1), Howler Tone cannot be sent to a guest station automatically.

Assignment Procedure

- When the Off-Hook Alarm termination is a Console:

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 6 (Note 1)	Bit 0	Special Transmitting Tone When Using Sender (Station) 0/1 = Not required/Required (used with LCR/Speed Calling, etc.)
		Bit 1	Not used
		Bit 2	Special Transmitting Tone When Using Sender (ATT) 0/1 = Not required/Required (used with LCR/Speed Calling, etc.)
		Bit 3	Not used
		Bit 4	Assign ATT Pattern 1 or 2. Key arrangement pattern on the right side of Console Bit 6 Bit 5 Bit 4
		Bit 5	0 0 0 = pattern 1 0 0 1 = pattern 2 0 1 0 = pattern 3
		Bit 6	Note: Do not set other pattern data.
		Bit 7	Not used
2	System Data 1 ASYD Index 64 (Note 1)	Bit 0	μ law/A law for TDSW 0 = μ law (Japan, North America, Canada, and Hong Kong) 1 = A law (Europe, other nations)
		Bit 1	Display of Call Waiting Lamp (on Console) service Bit 2 Bit 1
		Bit 2	0 0 = When PA lamp illuminates 0 1 = When busy lamp field is not displayed 1 0 = Always 1 1 = -
		Bit 3	Howler Tone sending service Bit 4Bit 3 0 0 = Out of Service 0 1 = Send one time only 1 0 = Repeat every 30 seconds 1 1 = -
		Bit 4	Note: The sending Timer may be changed to a value other than 30seconds via System data 1, Index 146.
		Bit 5	Not used
		Bit 6	Type of Attendant Camp-On 0/1 = Semi-Auto/Automatic (Normally Assign "0")
		Bit 7	Music-on-Hold service 0/1 = Out/In service

O-6 Off-hook Alarm

STEP	CMND	BIT	EXPLANATION
3	System Data 1 ASYD Index 168	Bit 0	Group Announcement Service through PMS 0/1 = Out/In service
		Bit 1	Audit Reports (for Hotel system) 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	Off-Hook Alarm (service) 0/1 = Out/In service
		Bit 5	Destination for Off-Hook Alarm Termination 0/1 = Console/Station
		Bit 6	Destination for Priority Call Termination 0/1 = Console/Station
		Bit 7	Not used
STEP	CMND	EXPLANATION	
4	ASFC	Allow Off-Hook Alarm (SFI = 30) to the SFC of the station.	
5	ATNR	Permit the connection between the terminating Console and the Off-Hook Alarm station.	

Note 1: This data is required for sending Howler Tone from Hotel Attendant. Refer to SERVICE CONDITIONS.

- When the Off-Hook Alarm destination is a specific station:

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 168	Bit 0	Group Announcement Service through PMS 0/1 = Out/In service
		Bit 1	Audit Reports (for Hotel system) 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	Off-Hook Alarm (service) 0/1 = Out/In service
		Bit 5	Destination for Off-Hook Alarm Termination 0/1 = Console/Special Station
		Bit 6	Destination for Priority Call Termination 0/1 = Console/Station
		Bit 7	Not used
STEP	CMND	EXPLANATION	
2	ASFC	Allow Off-Hook Alarm (SFI = 30) to the SFC of the terminating station.	
3	ASGD	Assign the group number (GN) to the stations. STN: Originating station number F: Off Hook Alarm GN: Group Number (Assign 1-7)	

O-6 Off-hook Alarm

STEP	CMND	EXPLANATION
4	ASID	Assign the connection destination to the above GN. F: Off-Hook Alarm GN: Group Number assigned in ASGD S/A: Special Station (Assign S.) SSTN: Terminated Special Station Number
5	ATNR	Permit the connection between the special station number tenant and the tenant of the terminating Off-Hook Alarm station.

O-9

Overtime Call

General Description

The OVERTIME CALL feature permits the system to measure the length of all outgoing calls, and to print a message on the hotel printer or alert the Console that the call has exceeded a predetermined time.

Operating Procedure

If the hotel printer is to receive this information, no manual operation is required.

To operate from the Console

1. The OT Lamp flashes and an incoming audible signal sounds
2. Press the OT or ANSWER key. Next, press the DEST or the SRC key to speak to the party. Press the Talk key to barge-in to a Three-Way Calling [T-2] connection.
3. If the call is in progress, press the RELEASE key.
4. If the call is to be forcibly released, press the DEST key once and the CANCL key twice.

Service Conditions

1. If the OVERTIME CALL is routed to the Console, the call must be answered, breaking into the connection.
2. If the OVERTIME CALL notification is to be routed to the hotel printer rather than the Console, this feature can be selected for administration station, guest station, or both stations, depending on system data.
3. The timer value for OVERTIME CALL is defined by the system data programming (30, 60, 90 or 120 minutes).
4. This feature is not available across a CCIS network.
5. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

Assignment Procedure

CMND	BIT	EXPLANATION
System Data 1 ASYD Index 163	Bit 0	Overtime Call timer. Bit 1 Bit 0
	Bit 1	Bit 1 Bit 0 0 0 = 30 min. 1 0 = 90 min. 0 1 = 60 min. 1 1 = 120 min.
	Bit 2	Overtime Call 0/1 = Out/In service
	Bit 3	Overtime Call indication 0/1 = On Console/hotel printer
	Bit 4	Step Call from guest station is allowed 0/1 = Out Service/In
	Bit 5	Tone type for Maid Dialing Bit 6 Bit 5
	Bit 6	Bit 6 Bit 5 0 0 = SST 1 0 = Music-on-Hold 0 1 = Announcement 1 1 = Music-on-Hold
	Bit 7	Start time for Wake Up Call 0/1 = On time/5 min. earlier than the appointed time

P-29

PMS Interface

General Description

The PMS INTERFACE provides a data link between Telephony Server and the customer's Property Management System (PMS) computer. This communications link enables the PMS-related hospitality management functions.

Major functions and their communication interactions are indicated below:

Automatic Wake-Up	[A-10/A-27]	Telephony Server	←→	PMS
Automatic Message Waiting Lamp Off	[A-48]	Telephony Server	←→	PMS
Check-In/Checkout	[C-23]	Telephony Server	←→	PMS
Connecting Room Service	[C-72]	Telephony Server	←→	PMS
Direct Data Entry - Station	[D-107]	Telephony Server	←→	PMS
Direct Assistance Interface	[D-88]	Telephony Server	←→	PMS
Do Not Disturb	[D-11]	Telephony Server	←→	PMS
Guest Information Display - Attendant Console	[G-8]	Telephony Server	→	PMS
PMS Terminal	[G-9]	Telephony Server	←→	PMS
Guest Name Display through PMS	[G-5]	Telephony Server	←→	PMS
LANGUAGE SERVICE	[L-27]	Telephony Server	←→	PMS
Maid Status - ANSWERBACK	[M-68]	Telephony Server	←→	PMS
Maid Status	[M-22]	Telephony Server	→	PMS
MESSAGE REGISTRATION		Telephony Server	→	PMS
Message Waiting	[M-6]	Telephony Server	←→	PMS
Room Cutoff	[R-9]	Telephony Server	←→	PMS
Secretarial Service - Guest Station	[S-74]	Telephony Server	←→	PMS
VIP		Telephony Server	←→	PMS

Operating Procedure

No manual operation is required.

Service Conditions

- For PMS interface connection, both RS232C and LAN (TCP/IP) interface can be provided.

Basic Interface Conditions (RS232C)

- Maximum two interface ports are provided for the PMS, depending upon features utilized.
- Data format and contents of TEXT are in conformity with Bell System Voice Communication Technical Reference Publication No.42707, PMS Data Link Interface Specifications. (Details are in accordance with the separated specifications)
- The specifications for communication are as follows:
 - Transmission speed:4800 bps
 - Synchronizing Method:Asynchronous
 - Transmission System:Half duplex, 4-wire (carrier-fixed) line
 - Control System:Contention basis
 - Error Detection:Exclusive OR of the contents from STX to ETX
 - Transmission Code:ASCII
 - Sending Time:Upon data generation
 - Text Configuration:1 text / 1 record
 - Priority Right:Telephony Server side
 - Text Length:Variable length (Max. 127 characters including STX, ETX)

4. Message format:

STX	SA	UA	TEXT	ETX	BCC

STX: Start of Text
 SA: Station Address - 31 Hex (1) is used.
 UA: I/O Unit Address - 21 Hex (!) is used.
 ETX: End of Text
 BCC: Block Check Code **Note 1**

Note 1: The Block Check Code is for the Longitudinal Redundancy Check.
 On detecting STX, the computation starts (STX is excluded).
 On detecting ETX, the computation ends (ETX is included).

5. Besides the above specifications, the following information is added:
 WAKE UP Set/Cancel (PMS $\longleftrightarrow$ Telephony Server)
 Room Status Change (PMS $\longleftrightarrow$ Telephony Server)
6. When PMS is equipped, * and # cannot be used as part of the station numbers.
7. Only one PMS can be accommodated in an FCCS network.

LAN (TCP/IP) Interface Conditions

1. Basic Conditions of TCP/IP interface are shown in the table below.

INTERFACE CONDITIONS	
Physical Interface	10BASE-T
Communication Protocol	TCP/IP
Internet Address	1 address/system (Class A, B, C is available Note 2)
TCP port	1 Port/Internet Address 60050
Data Transfer Speed	10 Mbps
Number of Interface Ports	1 port (1 channel/port)

Note 2: 172.16.253.0 (Default)

2. When PMS is equipped, * and # cannot be used as part of the station numbers.
3. Only one PMS can be accommodated in a FCCS network.

STEP	CMND	BIT	EXPLANATION
1	ASYD System Data 1 Index 10 Model 60, 90,120	Bit 0	I/O Port designation to PMS Computer
		Bit 1	Bit 2 Bit 1 Bit 0Bit 2 Bit 1 Bit 0
		Bit 2	000 = Port 0011 = Port 3
			001 = Port 1100 = Port 4
			010 = Port 2101 = Port 5
			110 = Port 6111 = Port 7
		Bit 3	Not used
		Bit 4	
		Bit 5	
Bit 6	Transmission Protocol between Telephony Server and PMS Computer		
Bit 7	Bit 7 Bit 6Bit 7 Bit 6 00 = Out of Service10 = - 01 = In Service11 = -		
2	ASYD System Data 1 Index 31 (Note 4)		Mounting capacity of Common Memory (CM) 1-4 Mbyte (01=04) Assign 02 Hexadecimal. Assign 04 Hexadecimal with OAI name display. Assign 06 Hexadecimal when FLF FCCS service is used in OAI features.
3	ASYD System Data 1 Index 78 (Note 4)	Bit 0	Calling and Intermedia station number indication (Desktop terminal and ATTCON) 0/1 = Out/In service (always assign “1”)
		Bit 1	Kind of Service Class indication (Desktop terminal) 0/1 = Out/In service (always assign “1”)
		Bit 2	Not used.
		Bit 3	Station number with name display 0/1 = Out/In service
		Bit 4	Fixed to “0”.
		Bit 5	Name Display service/FLF (Free Location Facility) in OAI features. 0/1 = Out/In service
		Bit 6	Not used.
		Bit 7	

P-29 PMS Interface

STEP	CMND	BIT	EXPLANATION	
4	ASYD System Data 1 Index 79 (Note 4)	Bit 0	Line Preference Service via AKYD 0/1 = Out/In service	
		Bit 1	Not used.	
		Bit 2	Split Call Forwarding Service 0/1 = Out/In service Note: When assigning/deleting Call Forwarding - All Calls/Busy/Do Not Answer/Logout, be sure to use the access code dedicated for this service.	
		Bit 3	Not used.	
		Bit 4	Zip tone control at the time of SCF: Monitor connection 0/1 = Not to be controlled/To be controlled Note: If warning tone is to be sent to the monitored position in ACD feature, be sure the data “1” here.	
		Bit 5	Name Display service 0/1 = Out/In service	
		Bit 6	OAI/ACD Service 0/1 = In service/Out of Service Note: When OAI/ACD service is out of service, this data is assigned “1.” When changing this Bit to “0 (OAI/ACD service provided)” from “1 (OAI/ACD service NOT provided)” system initialization must be executed.	
		Bit 7	Not used.	
5	ASYD System Data 1 Index 171	Bit 0	This data designates how many times retry is allowed when Room Data image transfer fails. (usually 10 Hexadecimal)	
		Bit 1		
		Bit 2		
		Bit 3		
		Bit 4		
		Bit 5		
		Bit 6		
		Bit 7	Fixed “0”	
6	ASYD System Data 1 Index 172	Bit 0	Message Waiting Information	Data transfer to/from PMS when executing the service. 0/1 = Not to be executed/To be executed
		Bit 1	Message Registration	
		Bit 2	Do Not Disturb, Room Cutoff	
		Bit 3	Room Status	
		Bit 4	Automatic Wake-Up, Group Announcement	
		Bit 5	Room Change, Room Swap	
		Bit 6	Room Data Change	
		Bit 7	Not used	

P-29 PMS Interface

STEP	CMND	BIT	EXPLANATION
10	ASYDL System Data 1 Index 897	Bit 0	PMS Interface 0/1: RS232C Interface/LAN Interface
		Bit 1	Not used
		Bit 2	
		Bit 3	
		Bit 4	ACK/NAC Control 0/1: Invalid/Valid
		Bit 5	Not used
		Bit 6	
		Bit 7	
11	AHSY Index 258- 324		Assign text sent to PMS. Note: For an outline of text assigned in Indexes 258 through 324, refer to Text Explanations.
12	AIOC		TERMINAL = 7 (PMS) PMS (Level 2A): PROTOCOL = 3 (Level 2A) SPEED = 3 (1200 bps) PARITY BIT = 2 (Even Parity) STOP BIT = 0 (2 bits) SYNC = 0 (Not used) CHARACTER BIT = 0 (8 bits) SYNC CHARACTER = 0 (Not used) BUSY SIGNAL = 0 (Not used) PB SIGNAL = 0 (No PB signal) ENH = 0 (Invalid)

Note 3: Index 190 and 191 should be assigned when the following Service features are required:

- Directory Assistance Interface [D-88]
- Guest Information Display - Console [G -8]
- Guest Information Display - PMS Terminal [G-9]
- Maid Status Answer Back [M-68]

For details, refer to the ASSIGNMENT PROCEDURE for the above service features. The different port numbers should be entered into Index 10, Index 190, and Index 191.

Note 4: Indexes 31, 78, 79, 241 should be assigned when assigned administration station Name Information from the PMS (maximum 16 characters). Note that this feature overrides Name Display Information assigned by ANDD and OAI Name Display Service.

Text Explanations

Feature Code	Function Code	Text	Outline
11	1	Maid status - Cleaning Start	Maid status information from a guest room in status check system
	2	Maid status - Cleaning End	
	3	Maid status - Inspection End	
12	1	Maid status - Cleaning Start	Maid status information from the Special Administration station in status check system
	2	Maid status - Cleaning End	
	3	Maid status - Inspection End	
13	3	Message Waiting Lamp - On	For controlling message waiting lamp of guest station
	4	Message Waiting Lamp - Off	
14	2	Call Detail Data	The following data about the calls originated from guest stations and administration station are provided: • Station number • RT No./Trunk No. • Called number • Call start time • Call duration • Number of call metering • Kind of call
15	2	Room Cutoff and Do Not Disturb (Restriction Control)	This text controls R. C. O. and D. N. D. for guest stations. Also, by means of this text, R.central office is cancelled when Checkout Text has been received, or is automatically set when Checkout Text has been received.
16	5	Checkout Message Off Report	The specific guest room, a state is provided when a Checkout Report has been received pertaining to a guest room.
	6	Checkout Message On Report	
	C	Checkout C.O. line OG Call Report	
	D	Checkout Message Waiting Report	

Text Explanations (Continued)

Feature Code	Function Code	Text	Outline
17	2	Room Data Image - Room Data Report	When the room data has been requested from the PMS, the following room data reported/exchanged: • Station number • Out/Stay (Vacant/Occupied) • Message lamp • Restriction level
	4	Room Data Image - Room Data Exchanged	
	6	Room Data Image - Room Data Report	When the room data has been requested from the PMS, the following room data and above room data reported/exchanged: • Room stay • Reserve • Language • Cleaning status • Wake up time/Execution result
	8	Room Data Image - Room Data Exchanged	
	A	Room Data Image - Room Data Report	When the room data has been requested from the PMS, the following room data and above room data and “Group Number” reported/exchanged.
	C	Room Data Image - Room Data Exchanged	
	E	Station Delete Report	The room memory of Telephony Server side is deleted.
19	1	Automatic Wake-Up Setting	Automatic Wake-Up information
	2	Automatic Wake-Up Cancellation	
	3	Automatic Wake-Up Execution Result	
	6	Group Announcement Setting	Group Announcement (Group Wake-Up) information
	7	Group Announcement Cancellation	
	8	Group Announcement Execution Result	
51	1	Maid Status - Guest Room 1	These texts are used with Maid Status Answer-Back System. When Maid Status Answer Back access code has been dialed via guest/admi. station the following data is sent to PMS: Stations Number Maid Identification Number LENS (Line Equipment Numbers)
	2	Maid Status - Guest Room 2	
	3	Maid Status - Guest Room 3	
	4	Maid Status - Guest Room 4	
	5	Maid Status - Guest Room 5	
	6	Maid Status - Guest Room 6	
52	1	Maid Status - Guest Room 1	<i>The kind of text information to be used depends on the software at the PMS side.</i>
	2	Maid Status - Guest Room 2	
	3	Maid Status - Guest Room 3	
	4	Maid Status - Guest Room 4	
53	2	Message Waiting Lamp On via a Dterm	For controlling Message Waiting Lamp of guest stations via Desktop terminal with Hotel Functions
	3	Message Waiting Lamp Off via a Dterm	

Text Explanations (Continued)

Feature Code	Function Code	Text	Outline
55	8	Group Control Report	Controls originating/incoming calls for a specified group.
56	7	Provisional Check-In	When Check-In operations are activated at the Telephony Server side, this is reported to the PMS. When Check-In input at the PMS gets delayed, this text is used to cancel the Check-In status of that guest room, especially to cancel Room Cut-Off. When Check-In is totally performed at the PMS side, this text is not used.
	8	Provisional Check-Out	When Check-Out operations are performed at the Telephony Server side, this is reported by means of this text.
58	1	ATTCON Information Display Request	This text is used when providing ATTCON Guest Information Display service, by installing PMS terminals in association with the ATTCON which display station information in synchronization with the operations of the ATTCON. It should be noted that the PMS is arranged to provide information as quickly as possible, thus minimizing delays in information display. This text is transmitted in the course of switching operations and is sometimes retransmitted without sending "Delete Request" text (58-3).
	2	Service Station Information Display Request	This text is used when providing Service Station Calling Name Display service, by installing PMS terminals in association with a Service Station Telephone which display station information in synchronization with each call origination from and call termination to the Service Station Telephone. It should be noted that the PMS is arranged to provide information as quickly as possible, thus minimizing delays in information display. This text is transmitted in the course of switching operations and is sometimes retransmitted without sending "Delete Request" text (58-4).
	3	ATTCON Information Display Delete Request	This text is the request for deleting "Display Request" (58-1 Text). As this text is transmitted in the course of switching operations, it is sometimes transmitted a number of times in succession.
	4	Service Station Display Information Delete Request	This text is the request for deleting "Display Request" (58-2 Text). As this text is transmitted in the course of switching operations, it is sometimes transmitted several times in succession.

Text Explanations (Continued)

Feature Code	Function Code	Text	Outline
59	1	Direct Data Entry	Upon receiving the access code dialed at a guest room, Telephony Server recognizes it as "Direct Data Entry" and transmits the digit information dialed thereafter to the PMS. The PMS checks the received digit information and reports the check result to Telephony Server by 59-9 Text in case the result is positive or by 59-8 Text in case the result is negative. Telephony Server, after sending this text out, waits for an answer from the PMS side by setting a predetermined timing (several seconds); therefore the PMS should return the check result to Telephony Server as soon as possible.
62	2	Guest Room Secretary Telephone Setting/Cancellation	This text is used when the Telephony Server requests the PMS to set or cancel the guest room secretary telephone.
64	A	Guest Room Emergency Call Execution Result	Reports the result of guest room emergency call execution from Telephony Server to PMS.
	B	Employee Home Emergency Call Execution Result	Reports the result of emergency call execution to employee's home numbers.
70	0	NOP Test Normal Answer	When 70-F Text has been received and verified to be normal, this text reports that the 70-F received is normal.
	2	NOP Test Recovery Request	This text is the answer text for 70-F Text. When all the guest room data has been deleted as a result of initialization of the Telephony Server, this text requests data recovery.
	6	Data Link Release Confirmation	This text is the answer text to 70-5 Text (Data Link Release Request).
	B	Time Report	On time query from PMS by 70-A text, Telephony Server reports the time by 70-B text.

P-34

Paging Console

General Description

The PAGING CONSOLE feature allows a Console operator to transfer an incoming call to a PAGING CONSOLE when the guest is not in his or her room. The PAGING CONSOLE operator pages the guest through the hotel public address system, requesting him or her to dial a special number from a nearby telephone. When the guest calls, the PAGING CONSOLE operator connects the guest to the incoming call.

Operating Procedure

1. The attendant transfers the incoming call to the paging console operator using the inter-tenant special Inter-Position Transfer.
 - a.) The attendant dials the Paging Console number.
 - b.) The paging console operator presses the ANSWER key or TF key.
 - c.) The attendant presses the RELEASE key. The attendant can talk to the paging console operator.
2. The paging console operator places the incoming call on hold and pages the guest via the external paging unit.
3. The guest dials the special number from a nearby telephone (inter-tenant special position call).
4. The paging console operator presses the Loop key and connects the guest to the incoming call, then presses the RELEASE key.

Service Conditions

1. One Console is used as a dedicated PAGING CONSOLE. It can be a business console.
2. The PAGING CONSOLE uses an exclusive tenant, different from the tenant used by the other Consoles.
3. The maximum number of combined Consoles and PAGING CONSOLES is:
 - 1 IMG: Maximum of 16
 - 4 IMG: Maximum of 60
4. The AUTOMATIC RECALL [A-8] timer default is normally set at a maximum of 3 minutes.
5. The paging unit is to be provided by the customer.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 73	Bit 0	Type of Paging Service
		Bit 1 Bit 0	Bit 1 Bit 0
		Bit 1	0 0 = No Answer 1 0 = Delay 0 1 = None Delay 1 1 = Delay with Paging Transfer
		Bit 2	Radio Page Number (SIM/IMG = 2 Digits only) 0/1 = 2 digits/3 digits
		Bit 3	Paging Cancel Code 0/1 = Individual Paging Route Codes/Common to all Paging Routes
		Bit 4	Radio Paging - station number is automatically sent. 0/1 = Out/In service
		Bit 5	Radio Paging - Automatic Re-Paging 0/1 = In/Out Service
		Bit 6	Attendant answers the Automatic Recall, the calling station number is displayed on Console. 0/1 = Required/Not required
		Bit 7	Console - Loop to Loop Connection (Meet-Me Paging - Attendant service) 0/1= Out/In service
2	System Data 1 ASYD Index 74	Bit 0	Cancel Timer for an Unanswered Page
		Bit 1	Time Counter (TC) is assigned a value from 0 Hexadecimal to F Hexadecimal (0 - 15).
		Bit 2	Timer Value is (TC+1) × 30 seconds
		Bit 3	Note: If the set Timer Value elapses, Automatic Cancel is activated.
		Bit 4	Recall and Cancel Timer for an Unanswered Radio Page
		Bit 5	Time Counter (TC) is assigned a value from 0 Hexadecimal to F Hexadecimal (0 - 15).
		Bit 6	Timer Value is (TC+1) x 30 seconds
		Bit 7	Note: If the set Timer Value elapses, Recall is activated. If the Timer Value elapses once again, Automatic Cancel is activated.
3	AHSY Index 103		Tenant Number of Paging Console (2~63/255 = 02~FF Hexadecimal)

P-34 Paging Console

STEP	CMND	BIT	EXPLANATION	
4	AHSY Index 104	Bit 0	Miscellaneous Timer Class (MTC) is to be assigned a value from 1 Hexadecimal to F Hexadecimal (1-15).	Paging Console Automatic Recall Timer: Timer Value Setting is $MTC \times TC$ seconds Note: When this data is 00 Hexadecimal, ROM data is automatically set to 3 min.
		Bit 1		
		Bit 2		
		Bit 3		
		Bit 4	Timer Class Length (TCL) is to be assigned one of the following values: Bit 6 Bit 5 Bit 4	
		Bit 5		
		Bit 6	0 0 0 = -	
			0 0 1 = 8 seconds	
			0 1 0 = 16 seconds	
0 1 1 = 32 seconds				
Bit 7	1 0 0 = 64 seconds			
	1 0 1 = -			
	1 1 0 = -			
	1 1 1 = -			
	Paging Console Automatic Recall Timer value 0/1 = Ineffective/Effective			
STEP	CMND	EXPLANATION		
5	ARTD	Assign the Route Data of the Paging Trunk. (OSGS = 2, TF = 1, TCL = 8) Note: To change the data for existing route (RT), initialize the circuit card.		
6	ATRK	Assign Paging Console. (RT = 901, TN = Exclusive Tenant Number) Assign Paging Trunk.		
7	AANP or AGNP	Assign the minimum necessary number of digits for the first number of the Paging Access/ Cancel code.		
8	AASP or AGST	Assign the Numbering Plan Data related to paging. Paging Access Code SRV = OGC Paging Access Code SRV = PAGA Paging Cancel SRV = PAGC		
9	ASAT	Assign an Individual Number to the Paging Console.		

P-85

Phonebook for Hotel

General Description

This feature offers the display of the guest name on the LCD of the Special Administration station which uses the feature Phonebook [P-83] when originating a call from the Special Administration station to a guest station or receiving a call from a guest station to the Special Administration station.

Operating Procedure

The operating procedures are as same as that of Phonebook [P-83]. For operating procedure, refer to the related User's Manual.

Service Conditions

<Important Notices>

1. For displaying a guest name when using Phonebook [P-83], the Assignment of Hotel System Parameter (AHSY, Index 534, Bit 6=1) is needed.

<Interactions with Other Features>

1. When "Calling Name has priority" (ASYD, SYS1, Index 390, Bit 0=0) is in service in Caller ID display pattern on the LCD (Top Line) and Call History [C-195] is also in service, the displayed information can be selected from a guest name or a guest station number by setting of AHSY (Index 534, Bit 2).
2. When both of AHSY (Index 534, Bit 6=1) and Assignment of Name Display Data (ANDD) are assigned, the guest name has priority to be displayed.
3. When using Phonebook [P-83] in a suite room station, all stations in a suite room must be applicable to Phonebook.
4. The number of digits displayed in Name Display must be set 16 digits (ASYD, SYS1, Index 241, Bit 1=1).
5. When using DT700 Series, Display Location of User Information must be set to Not to display by assigning "1" to both Bit 1 and Bit 0 of ASYDL, SYS1, Index 673.
6. In a hotel system, when Phonebook for Hotel [P-85] is enabled, you cannot use Off-Hook Alarm [O-6]. Therefore, you need to disable Off-Hook Alarm [ASFC SFI=30 (Off-Hook Alarm) RES=0].
7. When Caller ID Display - Sub Line [C-204] is in service, a guest name of the call arrived to Sub Line can be displayed. For the details of this feature, please refer to Caller ID Display - Sub Line [C-204] in Data Programming Manual - Business.

<Hardware/Software>

1. Desktop terminals must be used as a guest station.

<Interactions with Networks>

None.

<Conditions Specific to This Feature>

1. When outgoing/incoming call is done among guest stations, the information of the speaker is displayed on the LCD in right-aligned.
2. "VIP/Language Information" and Optional data "A" and "B" are not displayed.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1ASYD Index 241	Bit 0	Data Port Chime Control by SCF 0/1 = Controlled/Not Controlled
		Bit 1	The number of digits displayed in Name Display Service 0/1 = eight digits/16 digits
		Bit 2	OAI Call Event Process/SMFN (Call Status Monitor Facility Notification) 0/1 = No/Yes
		Bit 3	Detail Information on SCF error 0/1 = No/Yes
		Bit 4	MF ANI on SMDR. 0/1 = No/Yes
		Bit 5	Privacy Release for single line 0/1 = No/Yes
		Bit 6	When the length of Caller ID exceeds the limit: 0/1 = Only the former/latter part of data appears on the LCD
		Bit 7	SSFN Support 0/1 = Out of service/In service
2	AHSY Index 534	Bit 0	Not used
		Bit 1	
		Bit 2	Caller ID display on administration station (called party side) 0/1 = Calling name is displayed/Calling number is displayed (This data is valid when ASYD, SYS1, Index 390, Bit 0 = 0)
		Bit 3	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
		Bit 4	Priority reading out of Split Access DM Selection of whether to preferentially read out the DM when Split Access data is configured in an FCCS network system where both station number and Split Access data with the same special access code coexist. 0/1 = Returns to the conventional order of DM reading out/Reads out the DM where Split Access data is configured preferentially
		Bit 5	Not used
		Bit 6	Phonebook for Hotel 0/1 = Out of service/In service
		Bit 7	Not used

R-9

Room Cutoff

General Description

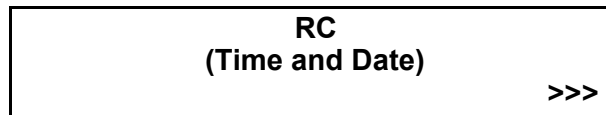
This feature allows the Console, PMS terminal, or front desk terminal to temporarily restrict outgoing CO calls from guest room telephones while the guests are away.

Operating Procedure

To set Room Cutoff from Console or front desk terminal

1. Press the RCS (set) key. The associated lamp lights.
2. Dial the station number. The console displays the station number.
3. Press the ENTER key. The lamp flashes to confirm that Room Cutoff is set. **Note 1**
4. Press the EXIT key. The lamp and station display are extinguished.

Note 1: If the “RC” steady display is available by system data, the following will display on a guest station Desktop terminal:



To cancel Room Cutoff from the Console or front desk terminal

1. Press the RCR (reset) key. The associated lamp lights.
2. Dial the station number. The console displays the station number.
3. Press the ENTER key. The lamp flashes to confirm that Room Cutoff is set. **Note 2**
4. Press the EXIT key. The lamp and station display are extinguished (Room Cutoff status is automatically canceled when check-in is initiated from the console or PMS terminal).

Note 2: If a Desktop terminal is used for a guest station, the “RC” display (if provided) will go out.



To obtain a printout of stations in Room Cutoff mode, refer to Audit Reports [A-26] in this manual.

Note: If an error is made in the course of key operations, press the CLEAR key and continue from Step 2 (station dialing).

Note: When setting or canceling Room Cutoff for two or more stations at the same time, follow the above operating procedure for the first station. Perform Steps 2 and 3 for the remaining stations, then perform Step 4 to exit from the service mode.

Note: Direct Service Set/Reset [D-25] is available for this feature. Refer to the feature description for details.

Service Conditions

1. Stations in Room Cutoff mode that attempt to access central office lines will be routed to a Reorder Tone connection, the Console, or an announcement on a system-wide basis.
2. Stations in Room Cutoff mode may be able to place outgoing central office calls via the Attendant, depending on the restriction data assigned via PCPro.
3. Room Cutoff is available for guest room stations only.
4. Through system data programming, a station in Room Cutoff mode can be allowed to access certain trunk routes, or be restricted from calling certain stations.
5. Room Cutoff mode is set automatically when Check-In/Checkout [C-23] is initiated from the Console, PMS terminal, or front desk terminal.
6. At this time, if a Desktop terminal is used for a guest station, "RC" may be displayed depending on system data.
7. For the conditions of the LCD display when several services are set at the same time, see Service Conditions of Automatic Wake-Up [A-10/A-27].
8. This feature can be activated via VS32. For particular conditions of VS32, see VS32 Conference Server [V-26] in Data Programming Manual - Business.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 162	Bit 0	Destination of connection when a connection between guest stations is restricted.
			Bit 1 Bit 0

R-9 Room Cutoff

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 170	Bit 0	Room status data (b ₂ , b ₁ , b ₀) to be set at the time of Checkout
		Bit 1	Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
		Bit 2	0 0 0 = - 0 1 0 =Cleaned
			0 0 1 = To be Cleaned 0 1 1 =Ready for Occupancy
		Note: Do not assign other data.	
		Bit 3	Assignment of Restriction Method in Do Not Disturb Status 0/1 = Restricted/Restriction Method according to RSC (Note 4)
		Bit 4	Timing Start 0/1 = Not required/Required
		Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (Goes to Console)
		Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change Table (ADNR) 1 = By the Night key of the ATT
		Bit 7	Message Registration from Hotel Processor 0/1: Yes/No
STEP	CMND	EXPLANATION	
3	ARSC	When “1” is assigned in System data 1, ASYD, Index 170, Bit 3, assign restriction data to RSC 13 and 15.	
Note: Steps after ARSC are necessary only when the destination of the tone of Room Cutoff call is designated as Announcement Machine.			
4	ARTD	Assign route data of the trunk which interfaces with the announcement unit. (OSGS = 2, TCL = 4, LSG5) Note: To change the data for existing route (RT), initialize or reboot the trunk device such as a circuit card or VS32.	
5	ARTK	Assign the trunk interfacing with the announcement unit.	
6	MBTK	Release the make-busy of the trunk assigned in ATRK.	
7	AAED /AAEDL Note 3	Assign the Data to the announcement unit number and the route data, etc. assigned in ATRK. (EQP = 20: Room Cutoff Announcement) Note 3: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.	
8	AKYD	If necessary, assign the following key data on the Desktop terminal Line/Feature key: (FKY = 91: Room Cutoff Set (RCS))	

Note 4: If unconditional restriction is set as per the outgoing restriction and incoming restriction information, or if outgoing restriction and incoming restriction are set to guest stations, the present Route Restriction Class is temporarily replaced with RSC 13-15, and whether restriction is executed or not is selected from the Restriction Table.

Note: When using this feature via VS32, assign Equipment Kind=VS on AAEDL command.

R-9 Room Cutoff

Route Restriction Class (RSC)	Condition
13	Room Cutoff
14	Do Not Disturb
15	Room Cutoff and Do Not Disturb Calls are restricted

R-10

Room Status

General Description

This feature provides a Room Status display on the Console or front desk terminal. The Room Status display indicates the following:

- Automatic Wake-Up [A-10/A-27]
- Do Not Disturb [D-11]
- Guest Name Display through PMS [G-5]
- Message Waiting [M-6]
- Room Cutoff [R-9]
- Room occupied
- Room reserved
- Station number
- VIP (PMS option)

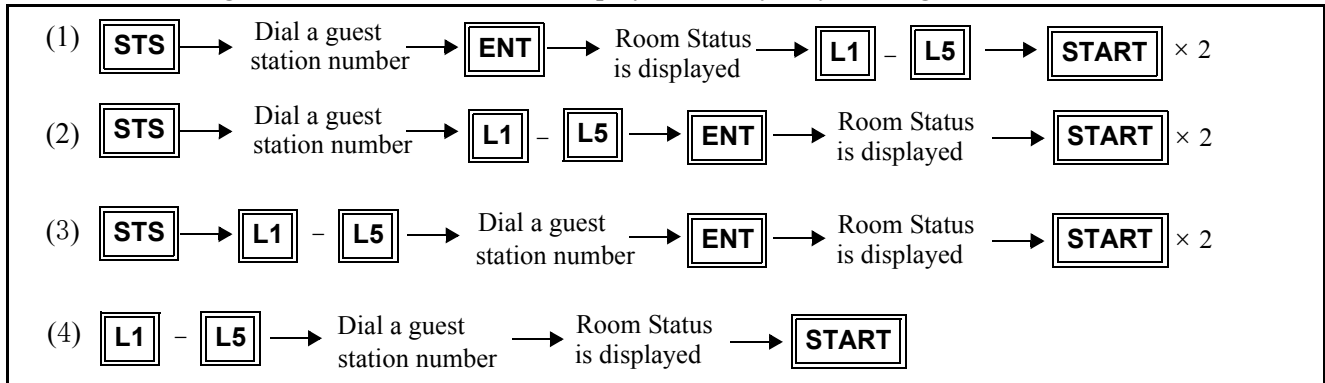
Operating Procedure

To display Room Status on the Console or front desk terminal

1. Press the STS key. The associated lamp lights.
2. Dial the station number. The console displays the guest station number.
3. Press the ENTER key. The status is displayed and the lamp flashes.
4. Press the CLEAR key and continue from Step 2 for as many stations as required.

Note: If an error is made in the course of key operations, press the CLEAR key and continue from Step 2 (station dialing).

To make a call to a guest station with Room Status, perform one of the following:



Service Conditions

1. Language, guest name, and VIP status are PMS options and must be generated from the PMS computer.
2. Room Status will be displayed when the operator responds to the calls from guest rooms, and vice versa.

3. Guest station dialing is often done by dialing 7 and then the room number. For example, to call room 845, another station will dial 7845. When displaying the Room Status of station number 7845, the Console can display #845, if this capability was set in system programming.
4. Only the first digit of the station number can be deleted. That digit will be replaced on the Console and Desktop terminal displays by the character specified in system programming (0-9, *, or #). Refer to AHSY, Index 179 in Command Manual.
5. Display of whether a guest room is “Occupied” or the guest is “Out” can be selected either by the room key interface or Check-In/Checkout.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 168	Bit 0	Group Announcement Service (for Hotel system) 0/1 = Out/In service
		Bit 1	Audit Reports 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	
		Bit 4	Off-Hook Alarm (service) 0/1 = Out/In service
		Bit 5	Destination for Off-Hook Alarm Termination 0/1 = CONSOLE/Station
		Bit 6	Destination for Priority Call Termination 0/1 = CONSOLE/Station
		Bit 7	Not used
2	AHSY Index 110	Bit 0	Room key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
		Bit 1	Hotel-ATT Guest Information Service 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	Called Number Display on the Hotel Console 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	Guest Name Display -D, Guest Information Display -D/PMS Terminal 0/1 = Out/In service

R-10 Room Status

STEP	CMND	BIT	EXPLANATION
3	AHSY Index 179	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Designation of guest station access code
		Bit 5	Bit 7 Bit 6 Bit 5 Bit 4 ACC - CODE Bit 7 Bit 6 Bit 5 Bit 4 ACC - CODE
		Bit 6	0 0 0 0 Out of Service 0 1 1 1 7
		Bit 7	0 0 0 1 1 1 0 0 0 0 8
			0 0 1 0 2 1 0 0 1 9
			0 0 1 1 3 1 0 1 0 0
			0 1 0 0 4 1 0 1 1 *
			0 1 0 1 5 1 1 0 0 #
			0 1 1 0 6

R-17 Room Numbering

General Description

This feature enables flexible assignment of station numbers based on the guest ROOM NUMBERING plan.

Operating Procedure

Guest room calls are completed in the same manner as calls to ordinary stations.

Service Conditions

1. The same station number cannot be assigned to more than one station in the system.
2. Guest numbers must be contained within Tenant 1.
3. One-, two-, three-, four-, five-, or six-digit station numbering may be used.
4. TIMING START For Hotel [T-21] is available with this feature.
5. If TIMING START For Hotel [T-21] is used, the characters * and # cannot be included as part of the station numbers.
6. Within the system programming, it is possible to match the station number with the room number, using up to a five-digit station number.
For example:
Station Number: 7
77
777
7777
77777
777777
7. If PMS is equipped, * and # cannot be included as part of the station number.
8. When separate number plans are used for guest and administration stations, the guest stations will require an access code assigned in AGSP to complete calls to an administration station. Administration stations can call guest stations directly.
9. Selecting common or separate numbering plans must be done at the time of Telephony Server installation. Once the selection is made **DO NOT** split or combine the numbering plan.
10. The leading digit of a guest room number display on the H/M Console and the Special Administration stations can be replaced by the # sign. This way, room numbers will be more easily recognized (for example, #101 rather than 7101).

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Attendant Console (Refer to Key Arrangement for Hotel Attendant Console) (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest station and administration station 0/1 = Separate/Common
		Bit 7	Fixed “0”
2	AHSY 179	Bit 0	
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	The Number Code entered will be replaced by a “#” on all Desktop terminal/Attendant Displays.
		Bit 5	
		Bit 6	Assign 1 through 9 (1h to 9h) or 0 (Ah) or * (Bh). If the station numbering plan is 7000 through 7099, this index would be assigned as 7h and all consoles and Desktop terminals would display as #00 through #099. Note: When 00h is assigned, this service is not available.
		Bit 7	
STEP	CMND	EXPLANATION	
3	AANP or AGNP	Assign minimum necessary number of digits for the first number. Note: When “0” has been assigned to Bit 6 of ASYD, System data 1, Index 160, assign the above by AGNP.	
4	AASP or AGSP	Assign station data of guest stations.	

Note: If the data is assigned as "1", only use commands AANP & AASP to assign administration and guest station Numbering Plan. If data "0" is assigned, use AANP & AASP for Administration Numbering Plan, and AGNP & AGSP for Guest Numbering Plan.

Note: If Administration and guest station share the same 1st digit as station number (i.e. Adm: 82xx, Guest: 83xx-89xx), # can be displayed on the called station display even if the calling party is an administration station.

S-17 Split Access to Outgoing

General Description

This feature allows stations which are differentiated by Guest/Administration data, Class of Service - Individual [C-15] data (Service Feature Restriction Class, Telephone Equipment Class, Route Restriction Class) or Day/Night information to dial the same access codes but access different service features or trunk routes.

Operating Procedure

System data programming is performed from PCPro.

Service Conditions

1. TOLL RESTRICTION - 3/6 DIGIT [T-7] must be assigned for guest and administration stations individually from PCPro.
2. Attendant-assisted calls for guest stations can be provided on a delay or non-delay basis (refer to NON-DELAY OPERATION [N-3] in Data Programming Manual - Business). If delay service is required, connection to the guest must be ended prior to establishing the outside call.
3. Day/Night change is to be made either by the Night key on the Hotel Console or the Day/Night assignment command (ADNR) for hotel service. This selection is to be made on a system basis. To change Day/Night mode, the Hotel Console must be used.
4. In an FCCS network system, this feature is available even in the system where both station number and Split Access data with the same special access code coexist.

Assignment Procedure

- When the Numbering Plan Table is used in common for both administration stations and guest stations:

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Hotel Console
		Bit 4	(Refer to Key Arrangement for Hotel Attendant Console) (usually, 00)
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest station and administration station 0/1 = Separate/Common
		Bit 7	Fixed "0"
2	AHSY Index 534	Bit 0 ∟ Bit 1	Not used.
		Bit 2	Caller ID display on administration station (called party side) 0/1 = Calling name is displayed/Calling number is displayed (This data is valid when ASYD, SYS1, Index 390, Bit 0 = 0)
		Bit 3	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
		Bit 4	Priority reading out of Split Access DM Selection of whether to preferentially read out the DM when Split Access data is configured in an FCCS network system where both station number and Split Access data with the same special access code coexist. 0/1 = Returns to the conventional order of DM reading out/Reads out the DM where Split Access data is configured preferentially
		Bit 5 ∟ Bit 7	Not used.
STEP	CMND	EXPLANATION	
3	AANP	Assign minimum necessary number of digits for the first number.	
4	AASP	Assign access code. (SRV = SSC, SID = 57 (Split Access))	
5	ASPS	With respect to the access code assigned by AASP, assign data on each Station Group.	

S-17 Split Access to Outgoing

- When the Numbering Plan Table is used in common for both administration stations and guest stations:

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Hotel Console
		Bit 4	(Refer to Key Arrangement for Hotel Attendant Console) (usually, 00)
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest station and administration station 0/1 = Separate/Common
		Bit 7	Fixed "0"
2	AHSY Index 534	Bit 0 ∟ Bit 1	Not used.
		Bit 2	Caller ID display on administration station (called party side) 0/1 = Calling name is displayed/Calling number is displayed (This data is valid when ASYD, SYS1, Index 390, Bit 0= 0)
		Bit 3	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
		Bit 4	Priority reading out of Split Access DM In an FCCS network system, selection of whether to preferentially read out the DM where Split Access data is configured in the system where both station and Split Access data with the same special access code coexist. 0/1 = Returns to the conventional order of DM reading out/Reads out the DM where Split Access data is configured preferentially
		Bit 5 ∟ Bit 7	Not used.
STEP	CMND	EXPLANATION	
3	AANP	For administration stations, assign minimum necessary number of digits for the first number.	
4	AGNP	For guest stations, assign minimum necessary number of digits for the first number.	
5	AASP	Assign administration stations, assign access code. SRV = SSC, SID = 57 (Split Access)	
6	AGSP	For guest stations, assign access code. SRV = SSC, SID = 57 (Split Access)	
7	ASPS	With respect to the access code assigned by AASP and AGSP, assign data on each Station Group.	

S-32

Screening

General Description

This feature provides the Attendant with a special SCRN key which lets them selectively extend calls which require SCREENING, and process other calls while waiting for the called station to answer. This is especially helpful when the Attendant is responding to a VIP call which requires special handling, but must also enter other loops because other calls require attention.

Operating Procedure

To operate from the Console

1. Answer an incoming call. Dial the desired guest room number.
2. Hear Ringback Tone. Press the SCRN key.
3. Process other calls as required. The Ring and Hold Lamps for that incoming loop are lit.
4. The guest answers. The Answer and Hold Lamps flash. The Ring Lamp is extinguished. The guest hears music or an announcement until the attendant returns to the call.
5. The attendant presses the Loop key to respond to the guest and announce the call.
6. The attendant presses Release.

Service Conditions

1. This feature is available for incoming trunk calls.
2. SCREENING and Attendant Loop Release [A-6] can be provided together.

Note: The Attendant Console will ring once when Recall Timer expires.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel Feature required (Fixed Data)
		Bit 1	Hotel Service kind (Fixed Data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Hotel Console (Refer to Key Arrangement for Hotel Attendant Console) (usually, 00)
		Bit 4	
		Bit 5	Guest Name Service 0/1 = Out/In service
		Bit 6	Numbering Plan Data Table of guest station and administration station 0/1 = Separate/Common
		Bit 7	Fixed "0"
2	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	DSS (Direct Station Section) keys on Console 0/1 = Out/In service
		Bit 6	Timing Start using "#" Code 0/1 = Ineffective/Effective
		Bit 7	Timing Start using "*" Code 0/1 = Ineffective/Effective

S-49

Service Call Routing

General Description

The SERVICE CALL ROUTING feature allows several extensions to be assigned the same number with different terminations by differentiating between a main building and annex, or between floor numbers. This makes it possible to set up service stations that are assigned the same number at several places in the hotel.

Operating Procedure

To call a service station

1. Dial the feature access code for the required service. The call terminates to the service station assigned beforehand, according to building and floor.

Service Conditions

1. This service may be used for the following number of buildings and floors:
Buildings:Maximum of 4
Floors:Floor 1 to 127 and basement 1 to 127 for each building.
2. The maximum number of 16 access code numbers can be assigned. Each access code can have multiple terminations based on building and floor location.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 165	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Automatic Wake-Up - Hotel Attendant Assistant 0/1 = Out/In service
		Bit 5	Wake-Up guest station Priority Service 0/1 = Not provided/Provided
		Bit 6	Wake-Up information printout
		Bit 7	Floor Service * 0/1 = Out/In service * Floor Service is also known as Service Call Routing.

S-49 Service Call Routing

STEP	CMND	BIT	EXPLANATION
2	System Data 1 ASYD Index 170	Bit 0	Room status data (Bit 2, Bit 1, Bit 0) to be set at the time of Checkout
		Bit 1	Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0
		Bit 2	0 0 0 = - 0 1 0 = Cleaned
			0 0 1 = To be Cleaned 0 1 1 = Ready for Occupancy
			Do not assign other data.
		Bit 3	Restriction at the time of Do Not Disturb and Room Cutoff 0/1 = Room Status Memory/Change of RSC
		Bit 4	Timing Start 0/1 = Not required/Required
		Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (goes to Attendant Console)
		Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change Table (ADNR) 1 = By the Night key of the Attendant Console
		Bit 7	Message Registration 0/1: Yes/No
STEP	CMND	EXPLANATION	
2	AGSP	SID 56 No: 0 - 15	
3	AGST	Assign Floor, Annex, Ground/Underground.	
4	ASPF	Define floor service "No:" from AGSP.	

S-74 Secretarial Service - Guest Station

General Description

This feature allows the Console to temporarily set two or more guest stations to operate in a boss/secretary arrangement. All calls to the boss are diverted to the secretary. The secretary may screen the calls and then transfer the call to the boss or just take messages.

Operating Procedure

To set Secretarial Service - Guest Station from the Hotel Console

1. Press the Secretary Service (SCS) key. The following is displayed at the console.

HH:MM BOSS-SECRETARY ENT

2. Dial the secretary's station number. The display changes to show the secretary's station number.

HH:MM BOSS-SECRETARY ENT XXXX

3. Press the ENTER key. The display changes as follows.

HH:MM SEC:XXXX BOS: NEW

4. Dial the boss' station number. The display changes to show the boss' station number.

HH:MM SEC:XXXX BOS: NEW XXXX

5. Press the ENTER key. The display changes as follows.

HH:MM SEC:XXXX BOS: XXXX 1:1 OK

6. Press the EXIT key.

Note: When multiple boss' stations are set for one secretary station, repeat Steps 2 and 3 above. The display shows 1:N.

To cancel Secretarial Service - Guest Station from the Hotel Console

1. Press the SCR key. The following is displayed at the hotel console.

HH:MM BOSS-SECRETARY CLR.

2. Dials the secretary's station number. The display changes to display the secretary's station number.

HH:MM	BOSS-SECRETARY CLR.
	XXXX

3. Press the ENTER key. The display changes as follows.

HH:MM	SEC:XXXX	BOS:	XXXX
			1:1

4. Press the ENTER key. The display changes as follows.

HH:MM	BOSS-SECRETARY CLR.

5. Press the EXIT key.

To call the Secretary Station from the Boss' Station

1. Boss' station lifts the handset. Boss' station receives Dial Tone.
2. Boss' station dials the access code of secretarial service. Boss' station receives Ringback Tone. Secretary station is ringing.
3. Secretary station lifts the handset to answer the call. Boss' station and secretary station talk with each other.
4. Boss' station or secretary station replaces the handset. The call is released.

To call the Boss' Station from the Secretary Station

1. Secretary station lifts the handset. Secretary station receives Dial Tone.
2. Secretary station dials the access code of secretarial service. Secretary station receives Ringback Tone. Boss' station is ringing.

Note: When more than one Boss' Station are set, dial the station number of each Boss after dialing access code.

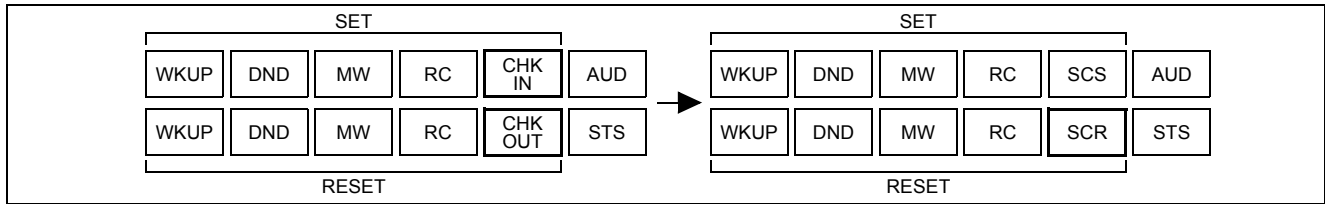
3. Boss' station lifts the handset to answer the call. Boss' station and secretary station talk with each other.
4. Boss' station or secretary station replaces the handset. The call is released.

To transfer an incoming call from the secretary to boss

1. The secretary receives an incoming call for the boss. The secretary switchhook flashes and dials the transfer access code. If only one boss has been assigned, the call is transferred.
2. If two or more bosses have been assigned, the secretary dials the specific boss' station number.

Service Conditions

1. Automatic Wake-Up [A-10/A-27] and VIP WAKE-UP calls go to the boss' station, not to the secretary's station.
2. The Console Check-In/Checkout keys are replaced by the Secretary Service Set and Secretary Service Reset keys (depending on system data).

Check-In/Checkout Keys Replaced by Secretary Service Set/Reset (SCS, SCR)

3. The attendant is unable to originate a call directly to the boss.
4. Only guest can be assigned this feature.
5. Setting of secretarial service can be performed via the PMS terminal.
6. The Boss and Secretary's stations can call each other even if "Do Not Disturb" [D-11] is set. If the secretary has DND set, calls directed to the Boss follow DND programming in ASYD.
7. The secretary can dial a Busy Out code at anytime, and all calls directed to the boss' station ring at the Boss' Station. The secretary must dial the Busy Out Cancel code to begin receiving the Boss calls.
8. Multiple Boss' Stations can be set for a Secretary's Station. (The number of boss' stations is not limited.)
9. An incoming call to the Boss' Station is automatically transferred to the secretary's station. If the secretary's station is busy, the caller hears the busy tone. If the secretary has Call Forward - Busy set, the call rings at the CFW - Busy destination.

Assignment Procedure

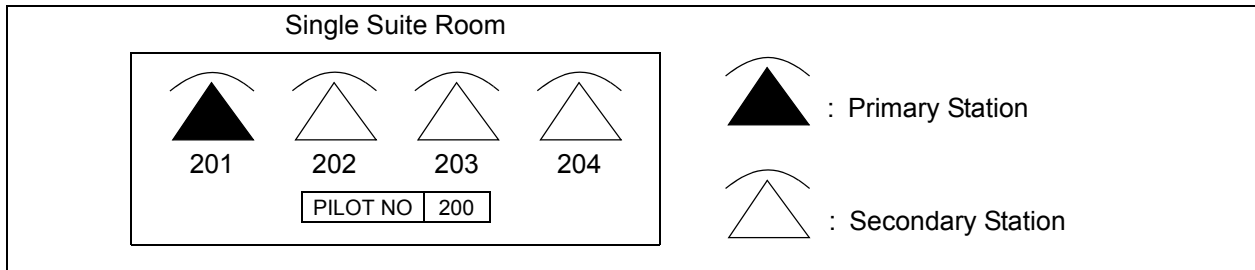
STEP	CMND	EXPLANATION
1	AGNP	Assign the minimum necessary number of digits for the first number of the Boss-Secretary Call access code.
2	AGSP	Assign the Boss-Secretary Call access code. SID = 36, STATE = 34 Guest Station Secretary Telephone - Boss / Secretary Calling SID = 36, STATE = 35 Busy Out Set SID = 36, STATE = 36 Busy Out Cancel
3	AHSY	Index 105, Bit 6: Secretarial Service - Suite Room Entry 0/1=Primary Station / Individual Station

S-75

Suite Room Service

General Description

The Suite Room Service feature allows up to four stations to serve one suite room. Each telephone will have its own station number. One station is designated as the primary station. When the primary station is called, any secondary station in the suite may answer.



Operating Procedure

To answer a call

1. When a call is directed to the primary station, all telephones in the suite room ring simultaneously. The call is connected to the telephone that answers first. The other telephones stop ringing.

To originate a call

1. Each of the telephones in the suite room can originate a call independently.

Service Conditions

1. Each of the telephones in a suite is given an independent station number. One of these is assigned as the primary station, the others are regarded as secondary to the primary.
2. The primary station number can either be the actual station number of the telephone assigned as the primary telephone, or a phantom number given to the suite room.
3. The maximum number of analog telephone circuits that can be accommodated in a suite is four circuits.
4. For secondary stations, either of the following procedures can be selected on a system-wide basis:
 - a.) A secondary station in the suite may be dialed directly. Only the secondary station will ring and only the secondary station may answer.
 - b.) Secondary station may only be rung from the Console or Special Administration Desktop terminal.
5. The primary station may originate a call independently.
6. If a suite room receives an incoming call while a station of the room is busy, one of the following can be selected by AHSY command (Index 188, Bit 0-1):
 - a.) Ring idle secondary stations.
 - b.) The caller hears busy tone.
 - c.) The call is transferred to the Console.

Note: The above features are not available if the terminal is in LINE LOCKOUT [L-3] or Make-Busy status. In other words, the above will not apply if one line out of the four is in LINE LOCKOUT [L-3] (the caller hears busy tone).

7. The station number displayed on the Desktop terminal or Console is the primary station number or phantom number, regardless of the telephone used in the suite room.
8. There is no limitation to the number of suites in a system.
9. If digital remote units are used for suite room service, ringing cannot be synchronized.
10. PMS registers all hospitality activity against the primary station.

- a.) Maid service - May be dialed from any suite room phone.
- b.) Message Waiting [M-6] - This feature is set or canceled against the primary station or phantom number. When set, all suite room stations will display the Message Waiting [M-6] indication.

Note 1

- c.) Automatic Wake-Up [A-10/A-27] - This feature is set or cancelled against the primary station. When the Wake-Up call arrives, it will ring all suite room phones.

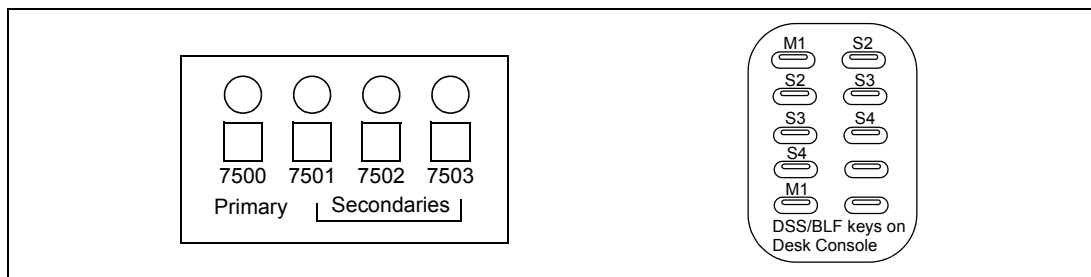
- d.) Do Not Disturb [D-11] and Room Cutoff [R-9] - These features are set or canceled against the primary station or phantom number. **Note 2**

Note 1: Message Waiting [M-6] can be set to be restricted only on FAX lines in a suite room. Refer to Message Waiting [M-6] for the detail.

Note 2: Do Not Disturb [D-11] and Room Cutoff [R-9] on FAX lines in a suite room can be canceled by AHSY, Index 146, Bit 0/1.

11. When the Console dials the primary station, the **DSS keys** and lamps are used in the operation. The status of the suite room phones appear on the DSS lamps. Ringing is generated at the suite room phones when the **START key** is pressed. If a primary or subsidiary phone DSS key is pressed, only the corresponding phone will ring. A busy suite room station will show flashing on the DSS lamp and an idle suite room phone will show solid. This feature is available when setting AHSY, Index 185 (Guest Room Calling - Attendant Console Service) to 1.

DSS Busy Lamps on Attendant Console and Desk Console



12. When the Console dials a secondary station, the status of that station displays on the first **DSS key** only. To initiate ringing at the secondary station, the attendant must press the first **DSS key** or the **START key**.
13. A delay will occur between the time the station status is displayed on the Console and the time the attendant presses the **DSS** or **START key**. The status is not updated. Blocking may occur because another station in the system has called the primary or secondary station.
14. A system option allows for only the primary station to ring in a suite room. **Note 3**
Any phone in the suite room may answer in that case. (When using a Desktop terminal, however, only the call terminating line may answer.)

Note 3: Only available when all the secondary stations are analog terminals. When secondary stations include a Desktop terminal, assign AHSY, Index 68, Bit 4 = 0 (accommodation of Multi Line for Desktop terminal in Suite Room = In Service) to allow only the primary station to ring in a suite room.

15. Console and Desktop terminal called number displays will show the primary station only, regardless of the actual station connected.
16. Ringing cycles are controlled by the line card. If suite rooms are not serviced by a common line card, ring will not be synchronized.
17. For the Direct Station Selection (DSS) [D-26] display to be available, the GUEST ROOM CALLING - HOTEL ATTENDANT [G-11] must be programmed into the system data.
18. When a Desktop terminal is used in a suite:
 - a.) The Desktop terminal must have the my line.
 - b.) Multiple Line Operation -D [M-20D] service is available.
 - c.) The Desktop terminal should be designated as the primary station of the suite room.
19. The primary station number of the suite room must be assigned as the my line number of the Desktop terminal. When one Desktop terminal is used in a suite (sub lines will be virtual stations):
 - a.) The my line number will be the prime line number, and it should be assigned as the primary station number of the suite room.
 - b.) The primary station number is used for the interface to PMS.
 - c.) All sub lines are assigned as guest room stations.
 - d.) Incoming calls terminate to the prime line (my line).
 - e.) If a primary station is busy, an incoming call to the primary will, depending on the system parameters, allow one of the following:
 - Ringing idle secondary stations.
 - The caller hears busy tone.
 - f.) For originating a call, one of several lines may be selected.
 - g.) The maximum number of multiple lines that can be set to a Desktop terminal is four.
20. When a few Desktop terminals and a few analog telephones (up to 4) are used in a suite room: (Example: Two stations of the primary and secondary 1 are Desktop terminals.)
 - a.) The my line number of the primary station will be the prime line number. The my line number of the primary station is assigned to the prime line of the secondary station 1.
 - b.) The my line number of the primary station is assigned as the primary number of the suite room, and the other lines are assigned as secondary station number.
 - c.) The primary station is used for the interface to PMS.
 - d.) All lines are assigned as guest stations.
 - e.) Incoming calls terminate the primary station of a suite room. The key indication and ringing status of each telephone are as follows:

	Key Indication	Ringing
Primary	My line	Rung
Secondary 1	Prime line	Rung
Secondary 2	-	Rung (Note 4)
Secondary 3	-	Rung (Note 4)

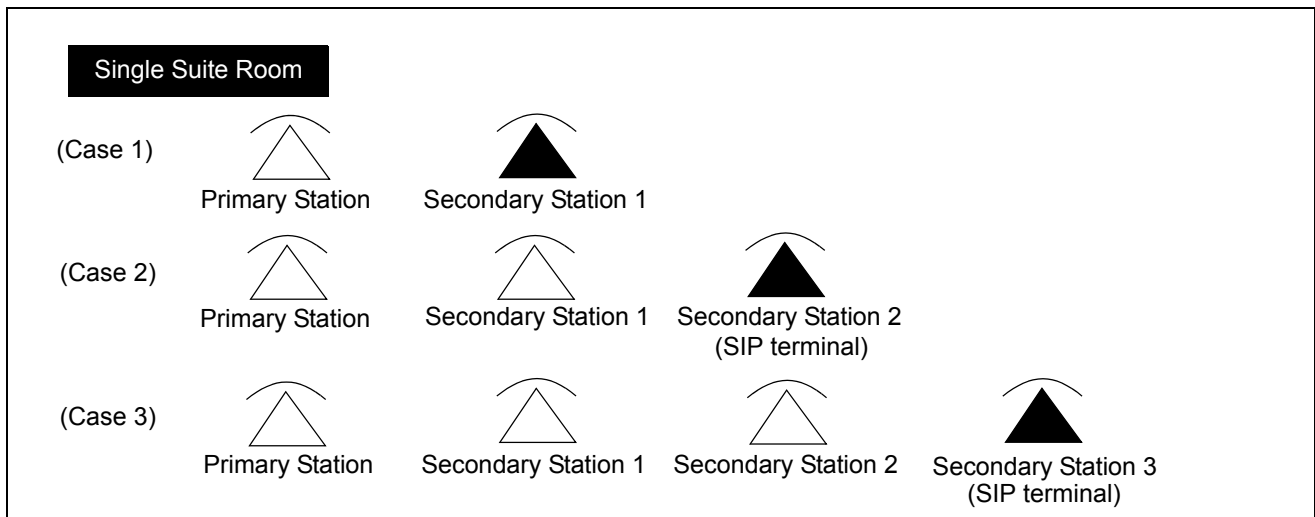
Note 4: It is possible to set no-ringing by system data.

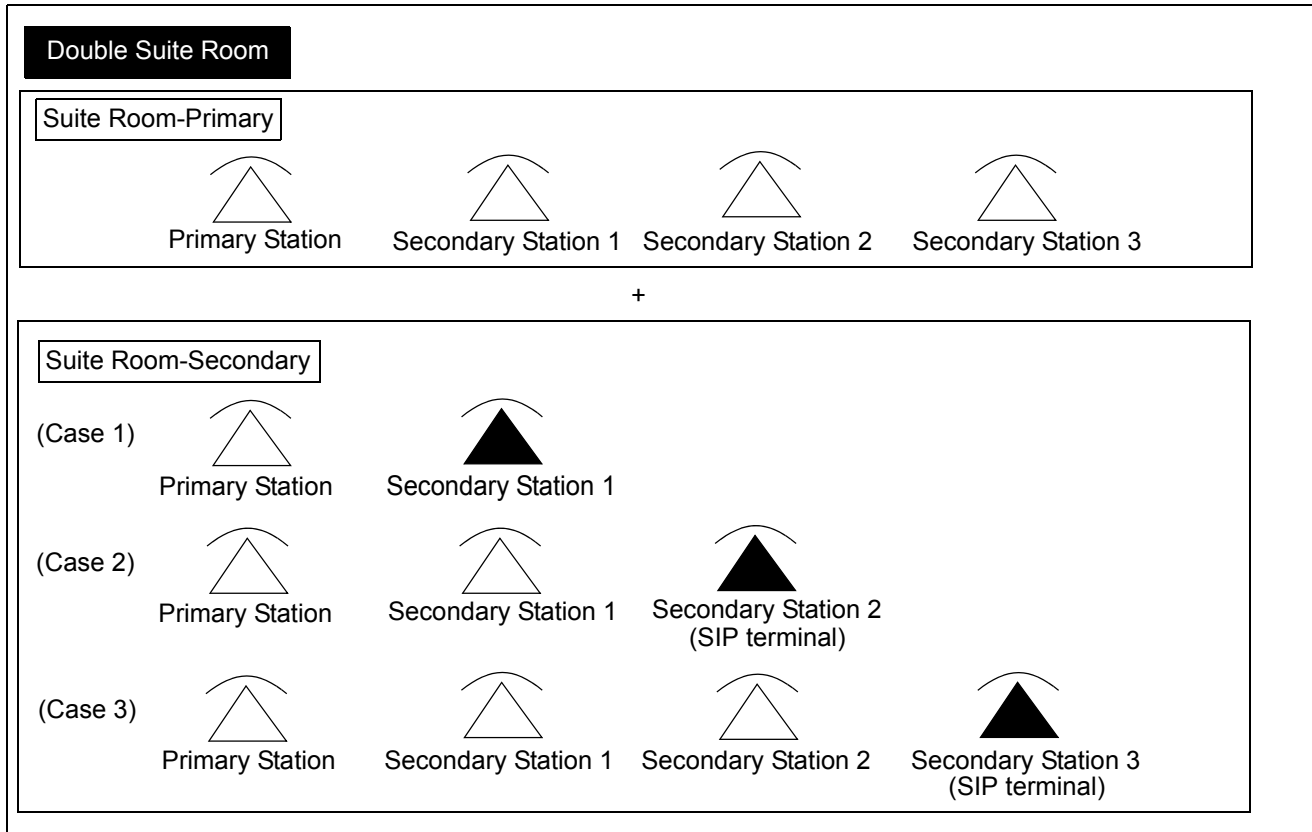
- f.) Any phone in the suite room may answer. When using Desktop terminals, a guest may answer on the line indicating termination. In this case the primary station may answer on my line, and the secondary station 1 may answer on the prime line.

- g.) If the primary station is busy, an incoming call will, depending on the system parameters, allow one of the following:
- Ringing idle secondary stations.
 - The caller hears busy tone.
21. A SIP terminal (SP Controlled Standard SIP terminals and WLAN Handset (MH Series)) can be accommodated as a secondary station of the Suite Room Service under the following conditions:
- a.) Billing data can be sent to PMS on a room or terminal basis.
 - b.) This enhancement is not available via FCCS network.
 - c.) A SIP terminal can be used as secondary station of suite room only.
 - d.) If four stations have already been set for a suite room, use Double Suite Room [D-150] feature.
 - e.) Only one SIP terminal can be used as secondary station per suite room.
 - f.) An analog terminal, a Desktop terminal or a IP terminal can be set as a primary station.

Note: A primary station and a secondary station except SIP terminals must be accommodated in the same LP.

- g.) When Do Not Disturb [D-11] is set to all stations in the suite room.
- h.) If the number of the SIP terminal is directly dialed, the SIP terminal cannot be rung. In this case, Do Not Disturb Override feature can be used to call the SIP terminal in DND mode.
- i.) Automatic Wake-Up [A-10/A-27] cannot be set/cancelled/confirmed from the SIP terminal.
- j.) The SIP terminal cannot be accommodated as a Multi Line of Desktop terminal.
- k.) Only the station number can be displayed on the SIP terminal LCD. Station Type (Administration/Guest) information is not displayed.
- l.) The following shows the setting pattern when the SIP terminal is used as a secondary station:





m.) The following tables show service feature availability for this feature.

Feature Code	Feature Name	SP Controlled Standard SIP Terminal/ WLAN Handset (MH Series)
I-52	ISDN Call Rate Display to Hotel Terminal	×
G-25	Guest Name Display - PS	N
A-58	Automatic Wake-up - Hotel Attendant	×
O-6	Off-hook Alarm	N
C-19	Calendar Display	-
G-6D	Guest Name Display -D	N
C-72	Connecting Room Service	N
P-34	Paging Console	-
S-75	Suite Room Service	× Note 5
T-21	Timing Start	×
D-107	Direct Data Entry - Station	×
D-150	Double Suite Room	× Note 6

S-75 Suite Room Service

Feature Code	Feature Name	SP Controlled Standard SIP Terminal/ WLAN Handset (MH Series)
C-23	Check-In/Checkout	×
H-8	House Phone/Hot Line	-
H-22	Hotel Feature Transparency Over CCIS	×
D-15	Day/Night Class of Service	-
A-25/A-47	Attendant Console With Hotel Functions	-
A-10/A-27	Automatic Wake-Up	C Note 7
A-26	Audit Reports	-
R-10	Room Status	N
D-26	Direct Station Selection	C Note 8
S-49	Service Call Routing	×
M-51	Manual Switching Of C.O. Incoming Call Destination	-
G-1	Guest/Administrative Service	×
G-24D	Guest Station -D	-
S-74	Secretarial Service - Guest Station	N
A-57	Alert Service	N Note 9
M-22	Maid Status	C Note 10
S-128	2nd Wake-up Call - Same Guest Station	N
G-21	Group Restriction	×
D-11	Do Not Disturb	×
O-9	Overtime Call	×
S-17	Split Access to Outgoing	×
R-9	Room Cutoff	×
B-26	Busy Status - Hotel Attendant	N

×: Available N: Not Available -: Not Applicable C: Conditionally Available

Note 5: Available for only one Secondary Station.

Note 6: Available for only one Station in both Primary Room and Secondary Room.

Note 7: For Automatic Wake-Up, only answer is available. Setting, confirmation, and cancellation are not available.

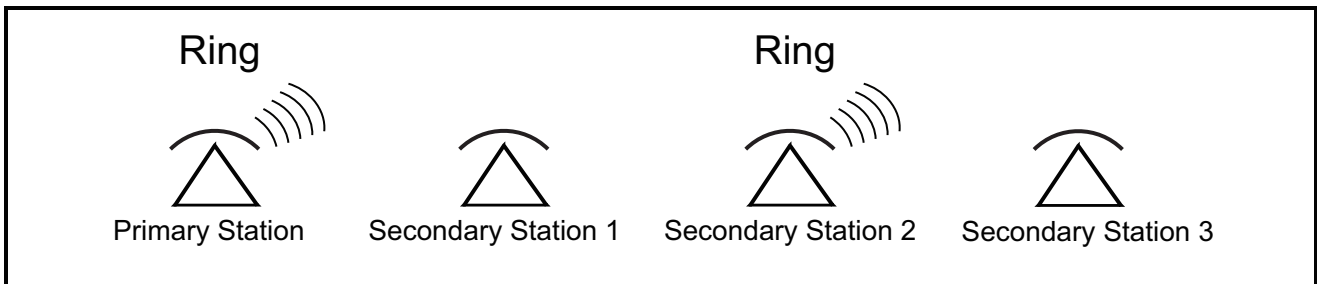
Note 8: Available for terminals having One-touch key, except WLAN Handset (MH Series).

Note 9: Not available for Alert Service by PMS as well.

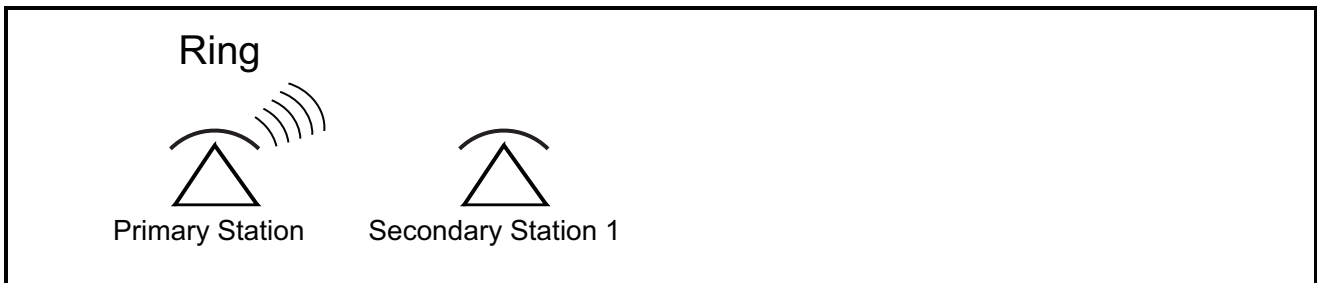
Note 10: Available for WLAN Handset (MH Series). Not available for SP Controlled Standard SIP terminal.

22. To display a primary station number or phantom number on the LCD of PS/WLAN Handset (MH Series), enable Name Display Service by using ASYD SYS1, Index 78, Bit 5 = 1.
23. When using PHONEBOOK [P-83] in the suite room, all stations in a suite room must be applicable to Phonebook.
24. When a secondary station in a suite room places an outside call with SID TO NETWORK-PRESENT [S-91], the Station Identification Number (SID) provided to the ISDN is the caller's station number, not the primary station number of the room.
25. By assigning AHSY, Index 533, Bit 1 = 1, ringing can be generated to only a limited number of stations in a suite room. The followings are the terms of this feature.

- 4 Line Configuration

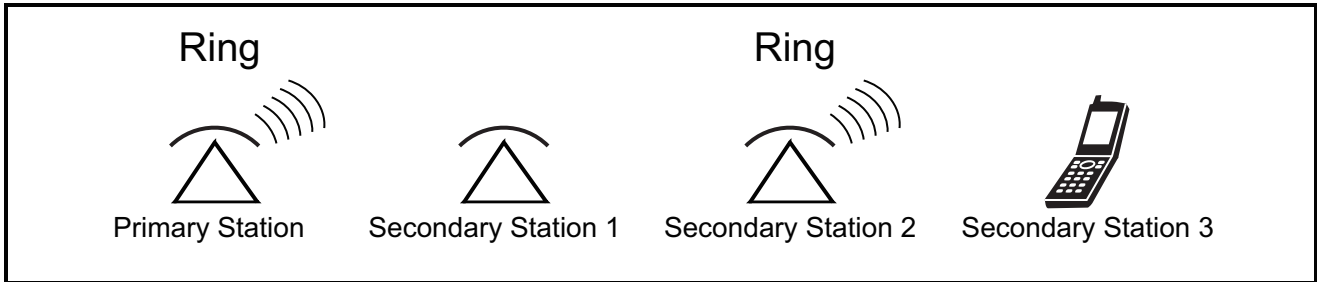


- 2 Line Configuration

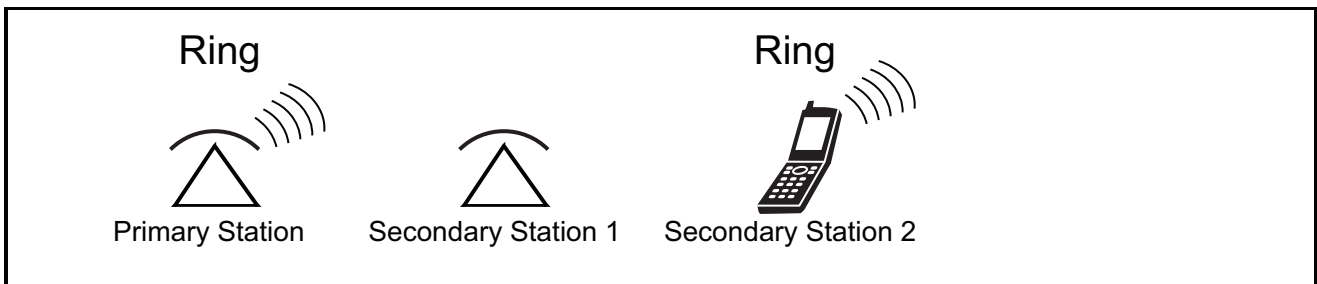


- a.) A PS/WLAN Handset (MH Series) line always comes to the last of the row, irrespective of its registered position configured by AHSU command.

- 4 Line Configuration

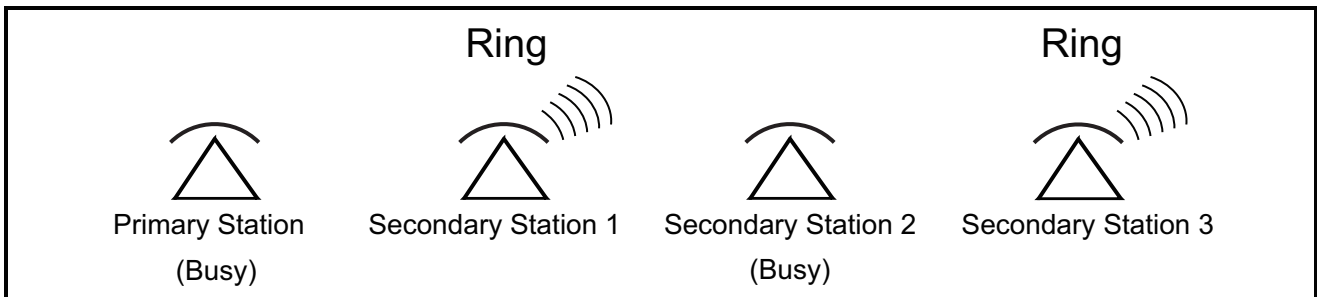


- 3 Line Configuration

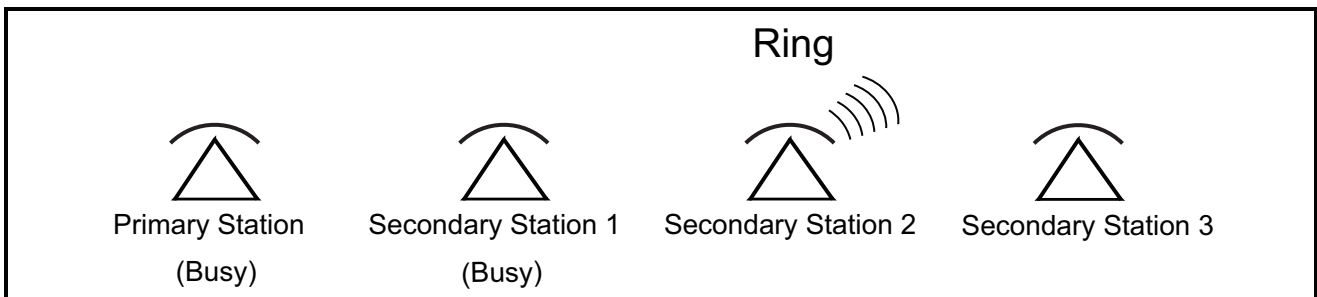


- b.) When called stations are busy in a suite room, idle stations in the same room can be called instead by assigning AHSY, Index 188, Bit 0~1 = 01. In this feature, Primary Station is paired up with Secondary Station 1, and Secondary Station 2 with Secondary Station 3 respectively.

- When Primary Station and Secondary Station 2 are busy, Secondary Station 1 and Secondary Station 3 are called instead.



- When both Primary Station and Secondary Station 1 are busy, only Secondary Station 2 is called.



- c.) Calls can not be answered from stations that are not ringing.
- d.) When this feature is made valid, it applies to all suite rooms within the system.
- e.) In this feature, FAX machines and data terminals can not be designated as stations that are called.
- f.) The operating conditions of this feature apply to all types of stations.
- g.) This feature is available only to normal Suite Room Service calls and wake-up calls.
- h.) This feature can also be applied to Double Suite Room [D-150] and Connecting Room Service [C-72]. In both cases, the feature is set on per suite room basis.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 160	Bit 0	Hotel feature required (Fixed data)
		Bit 1	Hotel Service kind (Fixed data)
		Bit 2	Length of Room Status Memory 0/1 = 8 byte/24 byte
		Bit 3	Pattern of Key Arrangement on Attendant Console
		Bit 4	(Usually, 00)
		Bit 5	Guest Name Service 0/1 = Out of service/In service
		Bit 6	Numbering Plan data table of guest station and administration stations 0/1 = Separate/Common
2	AHSY Index 68	Bit 7	Fixed "0"
		Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	Multiple Line Accommodation for Desktop terminal in Suite Room 0 = In service (Only the Primary station in a Suite Room rings for Connecting Room General Call) 1 = Out of service (All the stations in a Suite Room ring for Connecting Room General Calls)
		Bit 5	Not used
		Bit 6	
		Bit 7	

S-75 Suite Room Service

STEP	CMND	BIT	EXPLANATION
3	AHSY Index 111	Bit 0	Fixed Data
		Bit 1	
		Bit 2	Restriction for hooking when an outgoing central office line call has originated from a suite room 0/1 = Restriction/No Restriction
		Bit 3	Setting of Message Registration Data to be sent out to the PMS (Effective when Index 111, Bit 6 = 1.)
		Bit 4	Bit 4 Bit 3 0 0 = The pilot number is sent out in the case of Suite Room; the Main Room station number is sent out in the case of Connecting Room. 0 1 = The station Number of each station within the room is sent out.
		Bit 5	Fixed Data Note: Fixed to 0. Please see Command Manual for AHSY.
		Bit 6	Connecting Room PMS Interface 0/1=Primary Room and Secondary Room/Primary Room only
		Bit 7	Connecting Room 0/1 = Out/In service
4	AHSY Index 185	Bit 0	Not used
		Bit 1	Guest Room Calling - Attendant Console Service 0/1 = Out/In service
		Bit 2	Not used
		Bit 3	Not used
		Bit 4	Not used
		Bit 5	Not used
		Bit 6	Not used
		Bit 7	Not used
5	AHSY Index 186	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Guest Name Display after checking out 0/1 = In service/Out of service
		Bit 6	Not used
		Bit 7	Double Suite Room service 0/1 = Out/In service Note: When more than four stations are used in a suite room, this data is necessary.

S-75 Suite Room Service

STEP	CMND	BIT	EXPLANATION
6	AHSY Index 188	Bit 0	Processing for Suite Room Station/Connecting Room Station Busy
		Bit 1	Bit 1 Bit 0 0 0 = Busy Tone 0 1 = An idle station within the room is called 1 0 = The call is transferred to the Console if the caller is not the console operator.
		Bit 2	Fixed Data
		Bit 3	Note: Both fixed to 0. Please see Command Manual for AHSY.
		Bit 4	Not used
		Bit 5	When a call terminates to the Double Suite Room 0 = All stations ring simultaneously 1 = Alternately between Primary Suite and Secondary Suite
		Bit 6	Fixed Data Note: Both fixed to 1. Please see Command Manual for AHSY.
		Bit 7	Suite Room in Service 0/1 = Out/In service
7	AHSY Index 189	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	Suite Room Individual Station Calling 0 = A Suite Room individual station can be called from a guest station, administration station, and console. 1 = A Suite Room individual station can be called from the Special Administration station and Console.
		Bit 6	Ringing for Connecting Room General Call (For Analog Terminals) 0 = Sending to all stations 1 = Sending to the station in the main room in the case of the Connecting Room; sending to the Primary station in the case of a Suite Room Note 11 Note 11: Only available when all the secondary stations are analog terminals. When secondary stations include a Desktop terminal, assign AHSY, Index 68, Bit 4=0 to allow only the primary station to ring in a suite room.
		Bit 7	Number to be dialed for a general calling of the stations in the Suite Room 0 = Primary station number or Pilot (Phantom) Number 1 = Only Pilot (Phantom) Number

S-75 Suite Room Service

STEP	CMND	BIT	EXPLANATION
8	AHSY Index 399	Bit 0	Not used
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	Registering the PS/SP Controlled Standard SIP terminal as the secondary station of suite room 0 = No 1 = Yes
9	AHSY Index 533	Bit 0	Not used.
		Bit 1	Switch of Ringing for Suite Room Stations 0/1 = Send ringing to all stations/Send ringing to two stations only Note: This bit is configured for setting ringing to be generated to only a limited number of stations in a suite room. Note: To use this feature, also set AHSY, Index 189, Bit 6 = 0.
		Bit 2	Not used.
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	

S-75 Suite Room Service

STEP	CMND	BIT	EXPLANATION
10	ASHY Index 534	Bit 0	Not used.
		Bit 1	
		Bit 2	Caller ID display on administration station (called party side) 0/1 = Calling name is displayed/Calling number is displayed (This data is valid when ASYD, SYS1, Index 390, Bit 0 = 0)
		Bit 3	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
		Bit 4	Priority reading out of Split Access DM Selection of whether to preferentially read out the DM when Split Access data is configured in an FCCS network system where both station number and Split Access data with the same special access code coexist. 0/1 = Returns to the conventional order of DM reading out/Reads out the DM where Split Access data is configured preferentially
		Bit 5	Not used.
		Bit 6	Phonebook for Hotel 0/1 = Out of service/In service Note: Assign when using Phonebook terminals in a suite room.
		Bit 7	Not used.
11	AGST	Assign guest stations.	
12	AHSU	Assign the guest stations as the Suite Room Station. Parameters TN: Tenant TYPE: Suite Room Type (S = Single Suite Room) PHANTOM: Phantom Number (Note 12) M1: Primary guest station Number S2-S4: Secondary guest station Number (Note 12)	

Note 12: To skip data entry, press the ENTER key to step to the next data entry field.

The following data is necessary to accommodate the SIP terminal as secondary station of the Suite Room Service.

1	ASPO	Assign the operating data of the SIP terminal Parameters TN: Tenant STN: Station number [Physical Number (a maximum of 5 digits)] of the SIP terminal. RSC: Route Restriction Class SFC: Service Feature Restriction Class ADM/GST: Administration/Guest station Click "GST" radio button. ROOM CLASS: Fixed to "15." ANNEX: Annex (0-3) 0=Main Building 1=Annex 1 2=Annex 2 3=Annex 3 GROUND: Ground/Underground (0/1) 0: Ground 1: Underground FLOOR: Floor (1-127) PHIN: Virtual LENS of the SIP terminal is displayed.
2	ASPTL/ ASPTN	Assign the SIP terminal data. Parameters UGN: User Group Number TELN: Telephone Number (a maximum of 12 digits) BASE field FPC: Fusion Point Code (1-253) - only for ASPTN TN: Tenant Number STN: Physical station number assigned by ASPO TERMINAL field TYPE: Fusion Point Code (1-253) - only for ASPTN INDEX: Index of Domain Name (1-1020) DOMAIN INDEX: DOMAIN NAME: Select a domain index and a domain name which the SIP terminal belongs to. In an FCCS network, select the domain name of SIP server of the node to which the ASPO command data is set. When domain name is not input, only index of Domain Name is displayed. DETAIL filed NO DIGEST AUTHENTICATION: Mark the checkbox if the terminal doesn't support Digest Authentication. WIRELESS TERMINAL: Mark the checkbox when WLAN Handset is used. SOFTPHONE: Not checked VIDEO TERMINAL: Not checked MWI: Not checked

Note: Also see SIP HANDLER - STANDARD SIP TERMINAL [S-167]/SP CONTROLLED SIP TERMINAL [S-168] in Data Programming Manual - Business for information on how to assign/change the password for IP terminal.

S-128 2nd Wake-up Call - Same Guest Station

General Description

By combining with Automatic Wake-Up [A-10/A-27] service, this service allows two Wake-Up calls to be set for a guest room.

Operating Procedure

The notice asking the guest to call the Attendant when the guest wants to set the second Wake-Up call should be prepared in the guest room. The guest sees the notice and calls the attendant. The attendant sets the second Wake-Up call using the Console as follows.

To set the second Wake-Up call using the WUS key

When the guest calls in to request the second Wake-Up call (see Direct Service Set/Reset [D-25])

1. Press the WUS key while connected to the guest room. The character display shows "WAKE-UP ENT".
2. Press the WUS key again. The display shows "2ND WAKE-UP ENT (A)". In case of setting Automatic Wake-Up - Hotel Attendant [A-58], press the WUS key again. The display shows "2ND WAKE-UP ENT (S)".
3. Dial the Wake-Up time requested.
4. Press the ENTER key. **Note 1**

If the Wake-Up time is entered after the guest line is released

1. Press the WUS key. The character display shows "WAKE-UP ENT".
2. Press the WUS key again. The display shows "2ND WAKE-UP ENT (A)". In case of setting Automatic Wake-Up - Hotel Attendant Assistance [A-58], press the WUS key again. The display shows "2ND WAKE-UP ENT (S)".
3. Dial the Wake-Up time requested. The display shows the entered time.
4. Dial the guest station number. The display shows the station number.
5. Press the ENTER key. **Note 1**
6. To set the second Wake-Up call for another guest consecutively, repeat Steps 4 and 5. When all Wake-Up calls are set, press the End key.

To cancel the second Wake-Up call using the WUR key

When the guest calls in to cancel the second Wake-Up call (see Direct Service Set/Reset [D-25])

1. Press the WUR key while connected to the guest room. The character display shows "WAKE-UP RESET".
2. Press the WUR key again. The display shows "2ND WAKE-UP RESET".
3. Press the ENTER key. **Note 2**

If the Wake-Up cancel is entered after the guest line is released

1. Press the WUR key. The character display shows “WAKE-UP RESET”.
2. Press the WUR key again. The display shows “2ND WAKE-UP RESET”.
3. Dial the guest station number.
4. Press the ENTER key. **Note 2**
 - a.) To cancel the second Wake-Up call for another guest consecutively, repeat Steps 3 and 4.
 - b.) When all Wake-Up calls are canceled, press the End key.

To set the second Wake-Up call using the WUS key and the service set code

1. Press the WUS key. The character display shows “WAKE-UP ENT.”
2. Dial the Wake-Up time requested.
3. Dial the second Wake-Up set code.
4. Press the ENTER key. The display shows “2ND WAKE-UP ENT (A)” or “2ND WAKE-UP ENT (S)” according to the service set code dialed.
5. Dial the guest station number. The display shows the station number.
6. Press the ENTER key. **Note 1**
 - a.) To set the second Wake-Up call for another guest consecutively, repeat Steps 5 and 6.
 - b.) When all Wake-Up calls are set, press the End key.

Note 1: In case of using a Desktop terminal for a guest station, if the second Wake-Up time steady display is available by system data, the following will display:

HH:MM (Time and Date) >>>

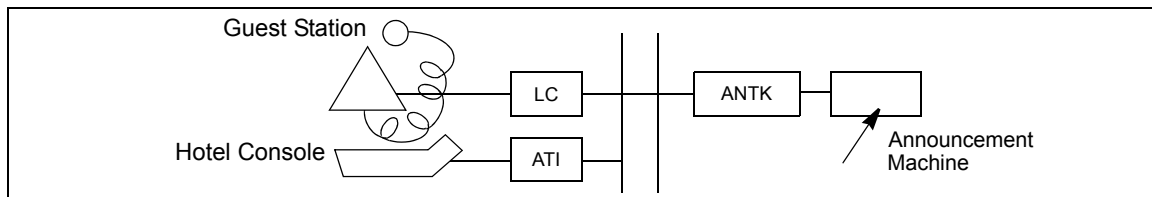
Note 2: If a Desktop terminal is used for a guest station, the second Wake-Up time display (if provided) will go out.

Service Conditions

1. When setting the second Wake-Up call, the attendant can select whether to set it as Automatic Wake-Up [A-10/A-27] service or Automatic Wake-Up - Hotel Attendant [A-58] service.
2. This service can be set/cancelled from the Console or the PMS Terminal (Model 90 and 120 only). However, when setting from the PMS Terminal, Automatic Wake-Up - Hotel Attendant [A-58] cannot be selected.
3. Original Automatic Wake-Up [A-10/A-27]/[A-58] service will be referred to as the first Wake-Up service, and will be set/cancelled from the guest station.
4. The second Wake-Up call list is printed on the hotel printer at the predetermined time automatically. The list excludes those Wake-Up calls that have already been activated.
5. If the guest station is busy or does not answer when called by this service, the guest station will be recalled. The number of times to retry is determined in the hotel system parameters.
6. If the guest is identified as the VIP, and if the VIP Wake-Up service is set, this service operates as the VIP Wake-Up service.
7. ASSISTANCE [A-58] service referred to in this service operates as the VIP Wake-Up service.
8. This service cannot be confirmed by the Automatic Wake-Up announcement.

9. Upon answering the second Wake-Up call, the guest is connected to the recorded announcement.
10. The second Wake-Up times are to be set at five-minute intervals.
11. This service is cancelled either from the Console, the PMS Terminal, or via Maid Status [M-22] service.
12. The second Wake-Up call entry and result information is reported to the PMS Terminal (Model 90 and 120). When cancelled automatically via Maid Status [M-22] service or called by the attendant in case of VIP Wake-Up/Automatic Wake-Up - Hotel Attendant [A-58] service ("ATT CALLED"), the information is printed by the hotel printer (regardless of its models).
13. The information can be printed by the hotel printer either in one-line or two-line format. (The selection is to be made in the hotel system parameters.) However, when cancelled automatically via Maid Status [M-22] service or when called by the attendant in case of Automatic Wake-Up - Hotel Attendant [A-58] service ("ATT CALLED"), the information is printed in one-line format only.
14. When setting Automatic Wake-Up - Hotel Attendant [A-58] for the second Wake-Up call, the Wake-Up call can be entered using either 24-hour time or 12-hour time. When using 12-hour time, the time is entered by dialing a special code (* or #) before entering the time to indicate PM. Depending on the system data, the Wake-Up time is displayed either in 12-hour or 24-hour time. (In case of 12-hour time, either A or P is indicated before the time.)

The LCD on the guest room Desktop terminal displays the set second Wake-Up time in 24-hour time even if the second Wake-Up call is entered using 12-hour time.



Note: The Second Wake-Up call can be cancelled by the Hotel Console only.

15. When 2nd Wake-up Call is executed, the LCD displays as shown below:



16. When the guest room Desktop terminal answers the second Wake-Up call, "WAKE UP" display will remain.
17. For the conditions of the LCD display when several services are set at the same time, see Service Conditions of Automatic Wake-Up [A-10/A-27].

Assignment Procedure

See Automatic Wake-Up [A-10/A-27] Assignment Procedure for programming initial Wake-Up.

STEP	CMND	BIT	EXPLANATION
1	AHSY Index 163	Bit 0	2nd Wake-Up Call Service 0/1 = Out/In service
		Bit 1	2nd Wake-Up Call Time Indication on the Console 0/1 = Out/In service
		Bit 2	2nd Wake-Up Call Cancel while the Console is connected to the target station 0/1 = Out/In service
		Bit 3	Not used
		Bit 4	The number of calls for which automatic Wake-Up at the same time (per LP)
		Bit 5	Bit 5 Bit 4 0 0 = 512 calls 1 0 = 128 calls 0 1 = 64 calls 1 1 = 256 calls
		Bit 6	The number of Retries when a Wake-Up Call encounters busy status.
		Bit 7	Bit 7 Bit 6 0 0 = 3 Times 1 0 = Once 0 1 = Twice 1 1 = No Retry
2	AHSY Index 405	Bit 0	Hotel printer prints out the “Setting” information of 2nd Wake-Up Call. 0/1 = Required/Not required
		Bit 1	Hotel printer prints out the “Cancel” information of 2nd Wake-Up Call. 0/1 = Required/Not required
		Bit 2	Hotel printer prints out the result of 2nd Wake-Up Call. 0/1 = Required/Not required
		Bit 3	Hotel printer prints out the result of 2nd Wake-Up Call as an extended text. 0/1 = Not Required/Required
		Bit 4	Not used
		Bit 5	
		Bit 6	
		Bit 7	
3	AASP or AGSP	See Automatic Wake-Up [A-10/A-27]. Assign the 2nd Wake-Up service access if required. • For Setting: CI = N, SRV =SSC, SID = 36, STATE = 48 • For Canceling: CI = N, SRV = SSC, SID = 36, STATE = 50 Note: Second Wake-Up service can be set and/or canceled from the Console only.	

Note: AHSY, Index 408, Bit 3 must be flagged for 2nd Wake-Up to be listed on H/M printer.

S-156 Speed Calling - Guest Station

General Description

This feature provides Hotel One-Touch Calling Service with both Feature keys and Flex keys by pre-assigning a dialing number to the system through the AHSPL/AHSPN command. Therefore, although terminal does not have enough Feature keys for all stations, the user can use One-Touch Calling Service by assigning the remaining stations to the Flex Keys.

Operating Procedure

1. Lift the handset and hear Dial Tone (DT).
2. Press Feature key/Flex key assigned for Hotel One-Touch Calling Service.
3. Hear Ringback Tone (RBT).

Service Conditions

1. This feature is applied only to Desktop terminals registered as guest station. Therefore, the settings for Guest Station -D is necessary.
2. This feature is available during DT connection.
3. Hotel One-Touch Calling Service can be assigned to Feature keys/Flex keys. (Refer to description for the AKYD command in Command Manual.)
4. Dialing numbers can be specified up to 24 digits. In addition, a maximum of eight types for the calling number can be assigned on a floor basis.
5. Dialing numbers have to be station numbers/Special Numbers for Stations, which can be originated from a guest station.
 - Call attempts from guest to administration will be rejected in an environment where separate numbering plan is used for guest and administration.
 - For using special numbers for [G-1] Guest/Administrative Service, assign more than one digit for the additional digits.
6. This feature is available for the terminal registered as a Guest Station -D.

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	ASYD System Data 1 Index 165	Bit 7	Floor Service: 0/1 = Out of service/In service
2	ASYDL System Data 1 Index 802	Bit 0	AHSPL/AHSPN Command Tenant Table Development: 0/1 = Separate/Common
3	ASHY Index 531	Bit 0	Hotel One-Touch Calling Service Data: 0/1 = Out of service/In service
4	ASHY Index 532	Bit 4	AHSPL/AHSPN Command Day/Night Table Development: 0/1 = Common/Separate
5	AKYD		When assigning to Feature keys: KYN: Key Number (1-24) KYI = 1: Type of key = Function key FKY: Function Key Number 168: Hotel One-Touch Call Service Key 1 169: Hotel One-Touch Call Service Key 2 170: Hotel One-Touch Call Service Key 3 171: Hotel One-Touch Call Service Key 4 172: Hotel One-Touch Call Service Key 5 173: Hotel One-Touch Call Service Key 6 174: Hotel One-Touch Call Service Key 7 175: Hotel One-Touch Call Service Key 8 When assigning to Flex Key: Note: For changing Flex Key, the key information needs to be assigned to all key numbers. TP = 2/3: Type of Dterm = Flex key can be changed. KYN2: Key Number 2 (F1-F16) KYI2 = 1: Type of key = Flex Keys FKY: Function Key Number 168: Hotel One-Touch Call Service Key 1 169: Hotel One-Touch Call Service Key 2 170: Hotel One-Touch Call Service Key 3 171: Hotel One-Touch Call Service Key 4 172: Hotel One-Touch Call Service Key 5 173: Hotel One-Touch Call Service Key 6 174: Hotel One-Touch Call Service Key 7 175: Hotel One-Touch Call Service Key 8

S-156 Speed Calling - Guest Station

STEP	CMND	BIT	EXPLANATION
6	AHSPL/ AHSPN		Assign Hotel One-Touch Calling Service Data TN: Tenant Number (1-63) D/N: Day/Night (D/N) ANNEX: Annex (0-3) GROUND: Ground/Underground (0/1) FLOOR: Floor Level (1-127) NO: Hotel One-Touch Calling Service Key (1-8: For display only) DC: Dialing Number (Maximum 24 digits) Note: The dialing number needs to be a station number or access code for calling a station.

T-13

Toll Terminal Access

General Description

This feature enables guest stations to directly access toll trunks. Access may be arranged on a direct-dial or attendant-assisted basis, depending on the associated Central Office.

Operating Procedure

To operate

The guest station dials the toll access code (usually “8”).

- a.) If direct-dial service is allowed, the guest will receive Dial Tone and may place the call.
- b.) If direct-dial service is not allowed, guest will be connected to toll operator for completion of the call.

Service Conditions

Guest stations must be assigned the proper Route Restriction Class to gain TOLL TERMINAL ACCESS.

Assignment Procedure

STEP	CMND	EXPLANATION
1	AANP or AGNP	Assign minimum necessary number of digits for central office access code.
2	AASP or AGSP	Assign the central office access code.
3	ARTD	Assign Route Data for Toll Terminal Access.
4	ATRK	Assign LENS of the Trunks for the Routes assigned in ARTD.
5	ARSC	Release the restriction for connections between stations and the route assigned in ARTD.
6	MBTK	Release make-busy of the trunks assigned in ATRK.

T-21

Timing Start For Hotel

General Description

This feature allows single-digit and multi-digit stations to use the same numbering plan levels by providing a pre-determined time delay between the completion of dialing and the start of ringing. By pressing the # or * key after dialing the station number, the station user will not have to wait for ring start. By pressing the **START** key on the Console, the attendant will not have to wait for ring start.

Operating Procedure

1. Lift handset or press the SPEAKER key. Hear Dial Tone.
2. Dial the desired station.
3. Wait for inter-digit time-out or dial “#” or “*”. Access to the desired service or station is completed.

Service Conditions

1. The Interdigit Timer will be used for TIMING START if a # or * symbol has not been assigned as a TIMING START character in system data, or if the station user forgets to press the TIMING START character.
2. Levels can be duplicated for station numbering.
Example: 1st Floor Room No. 11, Station No. 111
11th Floor Room No. 11, Station No. 1111
3. The # or * character cannot be used as the second or third digit of any service feature access code or station number if it is assigned for TIMING START.
4. The interdigit timer is adjustable through system programming.
5. When TIMING START is used, it is necessary to assign dummy station numbers depending on the number of digits to be assigned for station numbers.

Example: 4-digit station number = 4xxx

1-digit station number = 4 (TIMING START used)

In the case of data assignment shown in the example above, dummy station numbers of 2 digits=4x and 3 digits=4xx must also be assigned.

4-digit station number = 4xxx

3-digit station number = 4xx

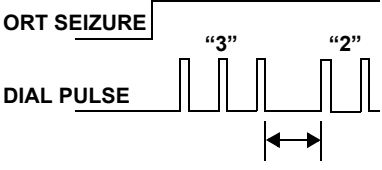
2-digit station number = 4x

1-digit station number = 4

Two stations are to be assigned as dummy stations.

Note: x = 0 to 9

Assignment Procedure

STEP	CMND	BIT	EXPLANATION
1	System Data 1 ASYD Index 129	Bit 0	Register Interdigit Timer: Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 Hex to F Hex (0-15).  The interval between dialed digits. Timer Value Setting is MTC × 2 seconds Note: When this data is 00 Hexadecimal, default data is automatically set to 6 seconds.
		Bit 1	
		Bit 2	
		Bit 3	
		Bit 4	
		Bit 5	
		Bit 6	
		Bit 7	
2	System Data 1 ASYD Index 161	Bit 0	Do Not Disturb Override key on Console 0/1 = Out/In service
		Bit 1	Message Waiting Lamp in Service 0/1 = Out/In service
		Bit 2	Language Service 0/1 = Out/In service
		Bit 3	Split Hold Service 0/1 = Out/In service
		Bit 4	Not used
		Bit 5	DSS (Direct Station Section) keys on Console 0/1 = Out/In service
		Bit 6	Timing Start using “#” Code 0/1 = Ineffective/Effective (Note 1)
		Bit 7	Timing Start using “*” Code 0/1 = Ineffective/Effective (Note 1)
3	System Data 1 ASYD Index 170	Bit 0	Room status data (Bit 2, Bit 1, Bit 0) to be set at the time of Checkout Bit 2 Bit 1 Bit 0 Bit 2 Bit 1 Bit 0 0 0 0 = - 0 1 0 =Cleaned 0 0 1 = To be Cleaned 0 1 1 =Ready for Occupancy Do not assign other data.
		Bit 1	
		Bit 2	
		Bit 3	Restriction at the time of Do not Disturb and Room Cutoff 0/1 = Room Status Memory/Change of RSC (Note 2)
		Bit 4	Timing Start 0/1 = Not required/Required
		Bit 5	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (Goes to Console)
		Bit 6	Day/night change of RSC 0 = Time zone changing per day/night change Table (ADNR) 1 = By the Night key of the ATT
		Bit 7	Message Registration from Hotel Processor 0/1: Yes/No

T-21 Timing Start For Hotel

STEP	CMND	EXPLANATION
4	AANP or AGNP	Assign minimum necessary number of digits for Access Codes and station numbers.
5	AASP or AGSP	Assign the access code for service features. Assign SSC: SID36, State=63 for Dummy Numbers.
6	AAST or AGST	Assign the station number for stations.

Note 1: Do not assign "*" or "#" as last digit of feature access code. No station may use "*" or "#" in numbering.

Note 2: Room Cutoff (RSC 13)
Do Not Disturb (RSC 14)
Room Cutoff and Do Not Disturb (RSC 15)

W-2 Wake-up Announcement - Headstart

General Description

This feature establishes a connection to the WAKE-UP ANNOUNCEMENT from the beginning of the message. The message will not begin at a random point in the recording. A printout of unanswered or blocked Automatic Wake-Up [A-10/A-27] attempts for guests is automatically provided by the hotel printer.

WAKE-UP ANNOUNCEMENT - HEADSTART operates according to a predetermined disconnect timing which is programmed in system data from PCPro.

Eight stations per PIR are rung simultaneously. Subsequently, another eight stations are rung at 1-minute intervals until the 500 station/LP (Local Processor) maximum for a single Wake-Up period is attained.

Example:

7:00 AM - 5-minute Wake-Up Interval	7:00 AM - The first eight stations (per PIR) are rung simultaneously for WAKE-UP ANNOUNCEMENT-HEADSTART. When the first station answers, the system waits two seconds, collects any other stations which have answered within that interval, and connects them to the beginning of the WAKE-UP ANNOUNCEMENT-HEADSTART recording. Stations answering after the two-second interval hear music and are held in WAKE-UP ANNOUNCEMENT-HEADSTART queue until connected to the beginning of the recording.
7:01 - 7:04	This process continues until the 500-station/LP maximum is attained.
7:05 AM - 5 minute Wake-Up Interval	7:05 AM - New WAKE-UP ANNOUNCEMENT-HEADSTART Wake-Up period. The process is repeated until 7:09 (500 stations/LP) etc.

Operating Procedure

Refer to the Automatic Wake-Up [A-10/A-27] operating procedure for setting and resetting operations.

Service Conditions

1. Disconnect timing must be programmed in accordance with announcement length - not to exceed 30 seconds. Timing can be arranged in 2-second increments, up to the maximum of 30 seconds.
2. If a station is blocked from access to the announcement or if the Wake-Up queue memory is full, music or hold tone will be sent to the station.
3. This feature requires a Digital Announcement Trunk (DAT) package.
4. No more than 500 stations per LP can be set for a single Automatic Wake-Up [A-10/A-27] period. If the 500 station maximum is exceeded when setting Automatic Wake-Up [A-10/A-27], the system will automatically set the Wake-Up time five minutes earlier (**Note 1**) for the stations subsequent to the 500th.

Note 1: A variable timing can be programmed in system data. The timing must be an increment of five minutes (such as 5, 10, or 15 minutes) earlier.

5. All Automatic Wake-Up [A-10/A-27] times are to be set at 5-minute intervals in 24-hour time. (12-hour format is optional.)

Example: 7:50 AM = 0750

7:55 AM = 0755

8:00 AM = 0800

6. This feature provides three additional Wake-Up attempts at fixed 3-minute intervals. If the called station is busy for four attempts, a message is printed on the hotel printer. The number of retries for a no-answer condition is determined by system data. A maximum of three retries can be assigned.
7. Ringing duration for Automatic Wake-Up [A-10/A-27] can be varied for 15 seconds, 30 seconds, 45 seconds, or 60 seconds.
8. Automatic Wake-Up [A-10/A-27] overrides Do Not Disturb [D-11].
9. Automatic Wake-Up [A-10/A-27] can be set for guest rooms and regular administration stations. See Automatic Wake-Up [A-10/A-27] for more details on the methods which can be used.
10. If PMS Language Selection is utilized, WAKE-UP ANNOUNCEMENT - HEADSTART can be provided according to the guest's language.
11. Printout is available for unanswered, blocked, busy or answering (depending on system data) calls. Automatic Wake-Up [A-10/A-27] verification can be accomplished via PMS.

Assignment Procedure

CMND	BIT	EXPLANATION
AHSY Index 112	Bit 0	Not used
	Bit 1	
	Bit 2	
	Bit 3	
	Bit 4	
	Bit 5	Wake Up - Head Start Operation 0/1 = Out/In service
	Bit 6	Not used
	Bit 7	

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