

UNIVERGE SV9500

FP95-115 V5

Command Manual

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UNIVERGE SV9500 Command Manual

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CHAPTER 1

INTRODUCTION

1. General

This manual describes how to plan the office data. It also contains descriptions of the parameters for the Telephony Server.

2. How to Follow This Manual

The contents of this manual are:

CHAPTER 1 INTRODUCTION

CHAPTER 2 BUSINESS SYSTEM COMMAND DESCRIPTIONS and DATA SHEETS

This chapter explains the Business system command parameters of the Telephony Server.

CHAPTER 3 HOTEL SYSTEM COMMAND DESCRIPTIONS and DATA SHEETS

This chapter explains the Hotel system command parameters of the Telephony Server.

3. Reference Manuals

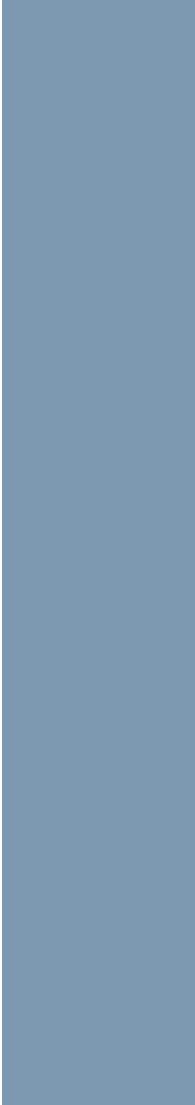
When installing the PCPro and assigning the relevant system data, refer to the following manuals:

- PCPro Setup Manual
- Appliance Model Installation Manual
- Prepackaged Server Model Installation and Operation Manual
- Circuit Card Description
- Data Programming Manual
- Peripheral Equipment Description
- Operations and Maintenance Manual

Note: FCCS is an acronym for Fusion Call Control Signaling.

Note: WATS, FX, and CCSA are services available in North America only. For more details, refer to the Data Programming Manual.

Note: For the detail of CPSW command, refer to the Operations and Maintenance Manual.



CHAPTER 2

BUSINESS SYSTEM COMMAND DESCRIPTIONS AND DATA SHEETS

This chapter explains the parameters for the Business System commands of the Node. A data sheet is provided for each command. The commands are listed in alphanumeric order.

The contents of each command description are shown in Command Descriptions. Data sheets follow the command description.

It is possible to read out/list-up the existing NDM data without logging in to the Network Control Node (NCN) in the FCCS Network. When assigning the NDM data, NCN login is required.

The commands for concealing physical station number (with “_T” in the command name), have the function to assign the station data by using Telephone Number instead of physical station number. These commands execute the data assignment/deletion for the Data Memory (DM) only.

Command Descriptions

Command name

Command name (full name)

AFDD: Assignment of Function D

The purpose of the command and its service features are explained here.

1. General

This command is used to assign the characters of soft key indication on a Desktop terminal. When this command is not assigned, the default(which shows on FKY parameter description on this command) are displayed.

2. Precautions

The LCD is 24 digits wide, and there are four of soft keys, hence a maximum of 6 characters can be assigned for each soft key indication.

3. Data Entry Instructions

FKY: Function Key Code [1-320]
See the table below.

DISP: Display Message On LCD [Maximum six Digits]
Assign the soft key indication for each service to be displayed on the LCD of Desktop terminal.

FKY(1-320) Note:The default displayed characters are shown in the parenthesis					
FKY	Service name	Default display	FKY	Service name	Default display
1	Call Forwarding-Busy Line	FDB	60	Manual Signaling Key	SIG
2	Call Forwarding-All Calls	FDA	61-82	-	-
3	Executive Right of Way	BV	83	Retain Conference	KEEP
4	Call Waiting	CW	84	Serial Call	S CAL
5	Call Back	CB	85	Internal Zone Paging(Not released for U.S.A.and Canada)	IZP
6	-	-	86	-	-
7	Save and Repeat	S&R	87	Wake Up Set	WUS
		-			

Information necessary to create the office data which may include the following:

- The related command and parameters
- The related service feature
- PCPro operation instructions
- The system hardware operation affecting the data
- The data storage node within the FCCS Network

The required parameters, the applicable data range and parameter descriptions are explained here.

AABD: Assignment of Speed Calling Restriction Data

1. General

This command assigns the Speed Calling Restriction Data. This data is added to the Service Feature Restriction Class (SFC) of an individual station assigned to the Speed Calling system in order to restrict it from originating calls.

2. Precautions

1. The Abbreviated Digit Codes (ADC) should already be assigned by the ASPD command.
2. The Speed Calling Override Service must be assigned by the ASYD command, SYS2, Index 1, Bit 6=1.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

TN: Tenant Number

ADC: Speed Calling Code [Maximum four digits]

The Abbreviated Digit Codes (ADC) correspond to the data assigned by the ASPD command.

SFC: Service Feature Restriction Class [0-15]

RES: Restriction Data [0/1]

Restriction Data is assigned in the columns where ADC and SFC cross. When unassigned, RES or the corresponding item is recognized as “0” (Restricted).

0=Connection is restricted

1=Connection is allowed

AADC: Assignment of Additional Digit Translation Data

1. General

This command assigns additional digit information for Least Cost Routing (LCR).

2. Precautions

1. Before using this command, confirm that a Pattern Number Location (PNL) has been assigned in the AOPR command.
2. The applicable number of additional digits (DC) varies depending on the PNL data assigned by the AOPR/AUNE command. When the AOPR command is assigned, and additional digits are sent outside of the Node, a maximum of four digits of DC is available when the PNL is assigned with a range of one to 127. A maximum of 24 digits of DC is available when the PNL is assigned with a range of 128 to 999. When the AUNE command is assigned, a maximum of four digits of DC is available.

3. Data Entry Instructions

PNL: Pattern Number Location [1-999]

Enter the PNL assigned by the AOPR command with a range of 1-999, or by the AUNE command with a range of 1-127.

DC: Additional Digit Information [Maximum 24 digits]

Enter DC additional numbers (not including the access code for LCR) applied to the transmitted number.

4. Data Sheet

[illegible]

AADCL: Assignment of Additional Digit Translation Data for LDM

1. General

This command assigns additional digit information for Least Cost Routing (LCR) activating via the FCCS link. This data is written in Local Data Memory (LDM).

2. Precautions

1. Before using this command, confirm that a Pattern Number Location (PNL) has been assigned in the AOPRL command.
2. The applicable number of additional digit (DC) varies depending on the PNL data assigned by the AOPRL/AUNEL command. When the AOPRL command is assigned, and additional digit is sent outside of the node, a maximum of 24 digits of DC is available. When the AUNEL command is assigned, a maximum of four digits of DC is available.

3. Data Entry Instructions

PNL: Pattern Number Location [1-999]

Enter the PNL assigned by the AOPRL command with a range of 1-999, or by the AUNEL command with a range of 1-127.

DC: Additional Digit Information [Maximum 24 digits]

Enter DC additional numbers (not including the access code for LCR) applied to the transmitted number.

4. Data Sheet

[illegible]

AADCN: Assignment of Additional Digit Translation Data for NDM

1. General

This command assigns additional digit information for Least Cost Routing (LCR) activating via FCCS Link. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command can be used only when logging in to NCN.
2. Before using this command, it must be confirmed that a Pattern Number Location (PNL) has been assigned in the AOPRN command.

3. Data Entry Instructions

PNL: Pattern Number Location [1-999]

Enter the PNL assigned by the AOPRN command.

DC: Additional Digit Information [Maximum 24 digits]

Enter DC additional numbers (not including the access code for LCR) applied to the transmitted number.

4. Data Sheet

[illegible]

AADT: Assignment of Announcement/Dictation Trunks

1. General

This command assigns, displays, and deletes announcement trunks for delay announcements, night announcements, etc. It also assigns, displays, and deletes dictation trunks for Emergency Recorder purposes.

2. Precautions

1. When changing the LENS of the currently assigned announcement/dictation trunk, delete the assigned data by this command first, then change the LENS by ATRK command. If the LENS data is deleted by ATRK command first, the data currently assigned by the AADT command is automatically deleted, however, the AADT command will show incorrect data (RT=900, TK=0), regardless of any data assigned.
2. Parameters CP and WAIT take effect only when the DAT control function is available (ASYD, SYS1, Index 449, b2=1). If the DAT control function is not used, assign data "0" to the parameters CP and WAIT.
3. Assign "per UCD group" for Announcement Trunks used for Delay Announcement - UCD service (ASYD, SYS1, Index 70, b6=1) when using this command.

3. Data Entry Instructions

Type [1/2]

1=Announcement Trunk (ANT)

2=Dictation Trunk (DCT)

NO: Message Number [1-58]

TYPE 1 (Announcement) = 1-58

TYPE 2 (Dictation) = 1-5

D: Disconnect Timer [0/1]

This parameter is available for TYPE=1.

0=Impossible (Repeat)

1=Possible (Disconnect by MSGT) (normal setting)

Note: When D=1, MSG disconnect timer is set to 30 seconds.

MSGT: Message Timer [2-120 seconds] **Note 1**

Two-second interval when shorter than 30 seconds. (2, 4,....., 30 seconds)

Eight-second interval when longer than 30 seconds. (32, 40,....., 120 seconds)

Note 1: When using a PA-4DATB-A (SP-702) card, select either 16 seconds, 32 seconds, or 60 seconds according to switch settings. When using a PA-4DATB-A (SP-882) card, select either 64 seconds, 128 seconds, or 240 seconds according to switch settings. When using a CH-DATA card, assign the time according to the set record time. When ARTD command ANS=1, message timer assigned by AADT command is ignored.

CP: Connection Pattern [0/1] Note 2

0=Multiple Connection

1=Single Connection

Note 2: When using this feature, the key setting for DAT card should be to playback once. (DAT control cannot be used at the time of ACD trunk for FCCS.)

WAIT: Waiting Timer [0-30 seconds]

Two-second interval

CNT: Number of Announcement/Dictation Trunks [1-8]

RT: Route Number [1-255]

TK: Trunk Number [1-255]

4. Data Sheet

[illegible]

AADTL: Assignment of Announcement/Dictation Trunks for LDM

1. General

This command assigns, displays, and deletes announcement trunks for delay announcements, night announcements, and so forth. It also assigns, displays, and deletes dictation trunks for Emergency Recorder purposes. The announcement or dictation trunk programmed in the AADTL command may be used from the remote ACD node within the FCCS Network.

2. Precautions

1. When changing the LENS of the currently assigned announcement/dictation trunk, delete the assigned data with this command first, then change the LENS by the ATRK command. If the LENS data is deleted first by the ATRK command, the data currently assigned with this AADTL command is automatically deleted.
2. Before assigning a Logical Route Number (LGRT) by using this command, assign the LGRT by using the ALRTN command in advance. When deleting an LGRT, delete the target LGRT with this command first, then delete it with the ALRTN command.

Thus, changing an LGRT requires two steps:

Step 1 - Delete the target data with this command and then with the ALRTN command.

Step 2 - Assign new data with the ALRTN command and then with this command.

3. For a node with FPC=0 (ASYDL SYS1, Index 512), assign a physical route number (RT) to the announcement/dictation trunk route number. If you assign a number in the range of 1 - 253 to the FPC, delete the data of RT by using this command before assigning a new value.
4. For a node with an FPC in the range of 1 - 253, assign a logical route number (LGRT) to the announcement/dictation trunk route number. This data assignment needs to be done on the Network Control Node (NCN) by using the ALRTN command.
5. Parameters CP and WAIT take effect only when the DAT control function is available (ASYD, SYS1, Index 449, b2=1). If the DAT control function is not used, assign data "0" to the parameters CP and WAIT.
6. When using this command, enable Extension of Programmable Announcement Messages (ASYDL/ASYDN, System Data 1, Index 1194, Bit 0=1).

3. Data Entry Instructions

Type [1/2]

1=Announcement Trunk (ANT)

2=Dictation Trunk (DCT)

NO: Message Number [1-200]

TYPE 1 (Announcement) = 1-200

TYPE 2 (Dictation) = 1-5

D: Disconnect Timer [0/1]

This parameter is available when TYPE=1.

0=Impossible (Repeat)

1=Possible (Disconnect by MSGT) (normal setting)

Note: When D=1, MSG disconnect timer is set to 30 seconds.

MSGT: Message Timer [2-120 seconds]

Two-second interval when shorter than 30 seconds (2, 4,....., 30 seconds)

Eight-second interval when longer than 30 seconds (32, 40,....., 120 seconds)

CP: Connection Pattern [0/1]

0=Multiple Connection

1=Single Connection

Note: This feature requires single playback to be enabled by means of switch setting options on the DAT card key. (In an FCCS network, ACD incoming calls cannot be connected to an announcement trunk in a different node by using Multiple Connection.)

WAIT: Waiting Timer [0-30 seconds]

Two-second interval

Note: When using a PA-4DATB-A (SP-702) card, select either 16 seconds, 32 seconds, or 60 seconds according to switch settings. When using a PA-4DATB-A (SP-882) card, select either 64 seconds, 128 seconds, or 240 seconds according to switch settings. When using a CH-DATA card, assign the time according to the set record time. This timer setting is ignored if an answer signal from trunk side is set to be provided (ARTDN, ANS=1).

RT/LGRT: Route Number/Logical Route Number [1-899]

TK: Trunk Number [1-255]

4. Data Sheet

[illegible]

AADTN: Assignment of Announcement/Dictation Trunks for NDM

1. General

This command assigns, displays, and deletes announcement trunks for delay announcements, night announcements, and so forth. It also assigns, displays, and deletes dictation trunks for Emergency Recorder purposes. The announcement or dictation trunk programmed in AADTN may be used from the remote ACD node within the FCCS Network.

2. Precautions

1. When changing the LENS of the currently assigned announcement/dictation trunk, delete the assigned data with this command first, then change the LENS by ATRK command. If the LENS data is deleted first by ATRK command, the data currently assigned with this AADTN command is automatically deleted.
2. Before assigning a Logical Route Number (LGRT) by using this command, assign the LGRT by using the ALRTN command in advance. When deleting an LGRT, delete the target LGRT with this command first, then delete it with the ALRTN command.

Thus, changing an LGRT requires two steps:

Step 1 - Delete the target data with this command and then with the ALRTN command.

Step 2 - Assign new data with the ALRTN command and then with this command.

3. Parameters CP and WAIT take effect only when the DAT control function is available (ASYD, SYS1, Index 449, b2=1). If the DAT control function is not used, assign data "0" to the parameters CP and WAIT.

3. Data Entry Instructions

Type [1/2]

1=Announcement Trunk (ANT)

2=Dictation Trunk (DCT)

NO: Message Number [1-200]

TYPE 1 (Announcement) = 1-200

TYPE 2 (Dictation) = 1-5

Note: Specify an announcement number in the range of 1 to 58 when Extension of Programmable Announcement Messages is disabled. (ASYDL/ASYDN, System Data 1, Index 1194, Bit 0=0)

D: Disconnect Timer [0/1]

This parameter is available when TYPE=1.

0=Impossible (Repeat)

1=Possible (Disconnect by MSGT) (normal setting)

Note: When D=1, MSG disconnect timer is set to 30 seconds.

MSGT: Message Timer [2-120 seconds]

Two-second interval when shorter than 30 seconds (2, 4,....., 30 seconds)

Eight-second interval when longer than 30 seconds (32, 40,....., 120 seconds)

CP: Connection Pattern [0/1]

0=Multiple Connection

1=Single Connection

Note: This feature requires single playback to be enabled by means of switch setting options on the DAT card key. (In an FCCS network, ACD incoming calls cannot be connected to an announcement trunk in a different node by using Multiple Connection.)

WAIT: Waiting Timer [0-30 seconds]

Two-second interval

Note: When using a PA-4DATB-A (SP-702) card, select either 16 seconds, 32 seconds, or 60 seconds according to switch settings. When using a PA-4DATB-A (SP-882) card, select either 64 seconds, 128 seconds, or 240 seconds according to switch settings. When using a CH-DATA card, assign the time according to the set record time. This timer setting is ignored if an answer signal from trunk side is set to be provided (ARTDN, ANS=1).

LGRT: Logical Route Number [1-899]**TK: Trunk Number [1-255]**

4. Data Sheet

[illegible]

AAED: Assignment of Announcement Equipment Data

1. General

This command assigns the trunk information related to Announcement Equipment on a tenant basis. For the Hotel system, it is also possible to assign Language Class when Language Service of Property Management System (PMS) is provided.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b7=1), assign TN parameter as data "1" for all tenants.
2. EQP parameter designates the Kind-of-Service feature provided by the announcement trunk. In the Hotel system, the relationship between the EQP number and the Kind-of-Service feature can be arranged by the AHSY command.
3. Parameter LANG appears in the Hotel system to provide Language Service (SYS1, Index 161, b2 = 1 in the ASYD command.)
4. The data "0 (Common)" of the LANG parameter means that the guest will listen to the Common message from the announcement equipment if the guest does not register the language information through PMS.
5. The "R" parameter specifies whether the Ringback Tone (RBT) is provided prior to sending the message.
6. When a trunk incoming call is connected to the announcement, whether the answer signal is sent out or not is specified by the "A" parameter.
7. When data "0 (Single connection)" is assigned in the "M" parameter, the Trunk (TK) number assignment may not be required. The alternative trunk routing within a route is automatically executed.
8. The Route (RT) number and Trunk (TK) number of the announcement trunk are assigned by the ATRK command.
9. Do not assign multiple connections to the route of VS32 announcement trunk in this command. Be sure to use AAEDL or AAEDN command to assign VS32 route.

3. Data Entry Instructions

TN: Tenant Number

EQP: Announcement Equipment Number [0-127]

Enter EQP as the service feature provided by DAT. Refer to the EQP list below:

- 0: Dead Level Number
- 1: Unused Number
- 2: Remote Access to PBX
- 3: May be used for other purposes
- 4: Outgoing Trunk Busy Announcement
- 5-6: May be used for other purposes
- 7: Route Restriction Announcement
- 8-14: May be used for other purposes
- 15: Alert Service (for Hotel system)
- 16: Timed Reminder Set Message (for Business system)/Service Set-up Message (for Hotel system)
- 17: Service Set-up Failure Message (for Hotel system)
- 18: Timed Reminder Cancel Message (for Business system)/Service Cancel Message (for Hotel Message)
- 19: Service Cancel Failure Message (for Hotel system)
- 20: Room Cut-Off Announcement (for Hotel system)
- 21: Do Not Disturb Announcement (for Hotel system)
- 22: Timed Reminder/Wake-up Call Message for Announcement Trunk
- 23-31: Group Announcement (for Hotel system)
- 32: Delay Announcement-Attendant (U.S.A./Canada only)
- 33: Not used
- 34: Automated Attendant (1st Announcement)
- 35: Automated Attendant (2nd Announcement)
- 36: Slumber Time-Do Not Disturb (for Slumber Time Group 1)
- 37: Slumber Time-Do Not Disturb (for Slumber Time Group 2)
- 38: Slumber Time-Do Not Disturb (for Slumber Time Group 3)
- 39: Slumber Time-Do Not Disturb (for Slumber Time Group 4)
- 40: Slumber Time-Do Not Disturb (for Slumber Time Group 5)
- 41: Slumber Time-Do Not Disturb (for Slumber Time Group 6)
- 42: Slumber Time-Do Not Disturb (for Slumber Time Group 7)
- 43-48: Not used
- 49-53: Delay Announcement Attendant (1st Announcement)
- 54-58: Delay Announcement Attendant (2nd Announcement)
- 59-62: Not used
- 63: Anonymous Call Block/Individual Call Block (North America only)
- 64: Not used
- 65: Out of zone Announcement for WLAN Terminal
- 66-107: Not used
- 108: Emergency Call Announcement
- 109-121: Not used
- 122-125: Multiple Announcement
- 126-127: Not used

Note: The EQP for the Hotel system is changed by the AHSY command, though the default EQP (service name) are listed here.

LANG:Kind of Language [0-15]

- 0: Common
- 1: Japanese
- 2: English
- 3: German
- 4: French
- 5: Spanish
- 6: Chinese
- 7: Russian
- 8-15: Spare

Note: LANG is available for the Hotel system.

C: Duration of Connection [0/1]

- 0: 30 seconds, and then disconnects
- 1: The connection is held until the calling party is released

R: Send RBT [0/1]

- 0: Send Ringback Tone
- 1: Do not send Ringback Tone

Note: When M=0 (Single connection) is selected, assign R=1 (Do not send Ringback Tone).

A: Send Answer Signal [0/1]

- 0: Answer Signal is not sent
- 1: Answer Signal is sent

M: Multiple Connection [0/1]

- 0: Single connection
- 1: Multiple connection

SS: The voice mixture notification service with Morning Call Service [0/1]

- 0: Out of Service
- 1: In Service

Note: Note the following conditions:

- This parameter is available for the Hotel system.
- This parameter is available when Multiple Connection = 0 (Single connection) is selected.

RT: Route Number

Enter DAT route number assigned by the ATRK command.

TK: Trunk Number

This parameter appears when M=1. Enter the TK of the announcement trunk assigned by the ATRK command.

4. Data Sheet

[illegible]

Note 1: This parameter is available for the Hotel System.

AAEDL: Assignment of Announcement Equipment Data for LDM

1. General

This command assigns the connected trunk data and the condition related to Announcement Equipment.

2. Precautions

The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, Bit 7=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

Equipment Kind:

Select the Equipment Kind.

- 0: DAT Announcement Machine
- 1: VS

TN: Tenant Number

EQP: Announcement Equipment Number [0-127]

Enter EQP as the service feature provided by DAT. Refer to the EQP list below.

- 0: Dead Level Number
- 1: Unused Number
- 2: Remote Access to Node
- 3: May be used for other purposes
- 4: Outgoing Trunk Busy Announcement
- 5-6: May be used for other purposes
- 7: Route Restriction Announcement
- 8-14: May be used for other purposes
- 15: Alert Service (for Hotel system)
- 16: Timed Reminder Set Message (for Business system)/Service Set-up Message (for Hotel system)
- 17: Service Set-up Failure Message (for Hotel system)
- 18: Timed Reminder Cancel Message (for Business system)/Service Cancel Message (for Hotel system)
- 19: Service Cancel Failure Message (for Hotel system)
- 20: Room Cut-Off Announcement (for Hotel system)
- 21: Do Not Disturb Announcement (for Hotel system)
- 22: Timed Reminder/Wake-up Call Message for Announcement Trunk
- 23-31: Group Announcement (for Hotel system)
- 32: Delay Announcement-Attendant (U.S.A./Canada only)
- 33: Not used
- 34: Automated Attendant (1st Announcement)
- 35: Automated Attendant (2nd Announcement)
- 36: Slumber Time-Do Not Disturb (for Slumber Time Group 1)
- 37: Slumber Time-Do Not Disturb (for Slumber Time Group 2)
- 38: Slumber Time-Do Not Disturb (for Slumber Time Group 3)

39: Slumber Time-Do Not Disturb (for Slumber Time Group 4)
40: Slumber Time-Do Not Disturb (for Slumber Time Group 5)
41: Slumber Time-Do Not Disturb (for Slumber Time Group 6)
42: Slumber Time-Do Not Disturb (for Slumber Time Group 7)
43-48: Not used
49-53: Delay Announcement Attendant (1st Announcement)
54-58: Delay Announcement Attendant (2nd Announcement)
59-63: Not used
64: External Music on Hold of IP (Only when Equipment Kind is VS.)
65: Out of zone Announcement for WLAN Terminal
66-107: Not used
108: Emergency Call Announcement
109-121: Not used
122-125: Multiple Announcement
126-127: Not used

Note: The EQP for the Hotel system is changed by the AHSY command, though the default EQP (service name) are listed here.

Kind of Language [0-15]

0: Common
1: Japanese
2: English
3: German
4: French
5: Spanish
6: Chinese
7: Russian
8-15: Spare designations to be used for languages other than those listed above.

Note: This parameter is available for the Hotel system.

Duration of Connection [0/1]

0: Disconnect in 30 seconds
1: The connection is held until the station release.

Do not Send RBT

0: OFF (Check box is cleared.)
1: ON (Check box is selected.)

Note: When Multiple Connection = 0 (Single connection) is selected, assign Do not Send RBT = 1 (ON).

Send Answer Signal

0: OFF (Check box is cleared.)

1: ON (Check box is selected.)

Multiple Connection

0: Single connection

1: Multiple connection

The voice mixture notification service with Morning Call Service

0: OFF (Check box is cleared.)

1: ON (Check box is selected.)

Note: Note the following conditions:

- This parameter is available for the Hotel system.
- This parameter is available when Multiple Connection = 0 (Single connection) is selected.

LGRT: Logical Route Number [1-899]

Enter logical route number connected with announcement trunk.

TK: Trunk Number

Enter the TK of the announcement trunk assigned by the ATRK command.

Note: This parameter is available when Multiple Connection = 1 (Multiple connection) is selected.

ANP: Announcement Pattern [0~255] Note 1**REP: Repeat Pattern [0~255] Note 1**

Note 1: This data is only available when Equipment Kind = 1 (VS) and The voice mixture notification service with Morning Call Service = 0 (OFF).

4. Data Sheet

[illegible]

Note 1: This parameter is available for the Hotel system.

AAEDN: Assignment of Announcement Equipment Data for NDM

1. General

This command assigns the connected trunk data and the condition related to Announcement Equipment. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8. If data in this command is common for all tenants (ASYDN command, SYS1, Index 800, Bit 7=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

Equipment Kind:

Select the Equipment Kind.

- 0: DAT Announcement Machine
- 1: VS

TN: Tenant Number

EQP: Announcement Equipment Number [0-127]

Enter EQP as the service feature provided by DAT. Refer to the EQP list below.

- 0: Dead Level Number
- 1: Unused Number
- 2: Remote Access to Node
- 3: May be used for other purposes
- 4: Outgoing Trunk Busy Announcement
- 5-6: May be used for other purposes
- 7: Route Restriction Announcement
- 8-14: May be used for other purposes
- 15: Alert Service (for Hotel system)
- 16: Timed Reminder Set Message (for Business system)/Service Set-up Message (for Hotel system)
- 17: Service Set-up Failure Message (for Hotel system)
- 18: Timed Reminder Cancel Message (for Business system)/Service Cancel Message (for Hotel system)
- 19: Service Cancel Failure Message (for Hotel system)
- 20: Room Cut-Off Announcement (for Hotel system)
- 21: Do Not Disturb Announcement (for Hotel system)
- 22: Timed Reminder/Wake Up Call Message for Announcement Trunk
- 23-31: Group Announcement (for Hotel system)
- 32: Delay Announcement-Attendant (U.S.A./Canada only)
- 33: Not used
- 34: Automated Attendant (1st Announcement)
- 35: Automated Attendant (2nd Announcement)
- 36: Slumber Time-Do Not Disturb (for Slumber Time Group 1)
- 37: Slumber Time-Do Not Disturb (for Slumber Time Group 2)

38: Slumber Time-Do Not Disturb (for Slumber Time Group 3)
39: Slumber Time-Do Not Disturb (for Slumber Time Group 4)
40: Slumber Time-Do Not Disturb (for Slumber Time Group 5)
41: Slumber Time-Do Not Disturb (for Slumber Time Group 6)
42: Slumber Time-Do Not Disturb (for Slumber Time Group 7)
43-48: Not used
49-53: Delay Announcement Attendant (1st Announcement)
54-58: Delay Announcement Attendant (2nd Announcement)
59-64: Not used
65: Out of zone Announcement for WLAN Terminal
66-107: Not used
108: Emergency Call Announcement
109-121: Not used
122-125: Multiple Announcement
126-127: Not used

Note: The EQP for Hotel system is changed by the AHSY command, though the default EQP (service name) are listed here.

Kind of Language [0-15]

0: Common
1: Japanese
2: English
3: German
4: French
5: Spanish
6: Chinese
7: Russian
8-15: Spare designations to be used for languages other than those listed above.

Note: This parameter is available for the Hotel system.

Duration of Connection [0/1]

0: Disconnect in 30 seconds
1: The connection is held until the station release.

Do not Send RBT

0: OFF (Check box is cleared.)
1: ON (Check box is selected.)

Note: When Multiple Connection = 0 (Single connection) is selected, assign Do not Send RBT = 1 (ON).

Send Answer Signal

0: OFF (Check box is cleared.)

1: ON (Check box is selected.)

Multiple Connection [0/1]

0: Single connection

1: Multiple connection

The voice mixture notification service with Morning Call Service

0: OFF (Check box is cleared.)

1: ON (Check box is selected.)

Note: Note the following conditions:

- This parameter is available for the Hotel system.
- This parameter is available when Multiple Connection = 0 (Single connection) is selected.

LGRT: Logical Route Number [1-899]

Enter logical route number to be connected with announcement trunk.

TK: Trunk Number

Enter the TK of the announcement trunk assigned by the ATRK command.

Note: This parameter is available when Multiple Connection = 1 (Multiple connection) is selected.

ANP: Announcement Pattern [0~255] Note 1**REP: Repeat Pattern [0~255] Note 1**

Note 1: This data is only available when Equipment Kind = 1 (VS) and The voice mixture notification service with Morning Call Service = 0 (OFF).

4. Data Sheet

[illegible]

Note 1: This parameter is available for the Hotel system.

AAKP: Assignment of ATT Key Position

1. General

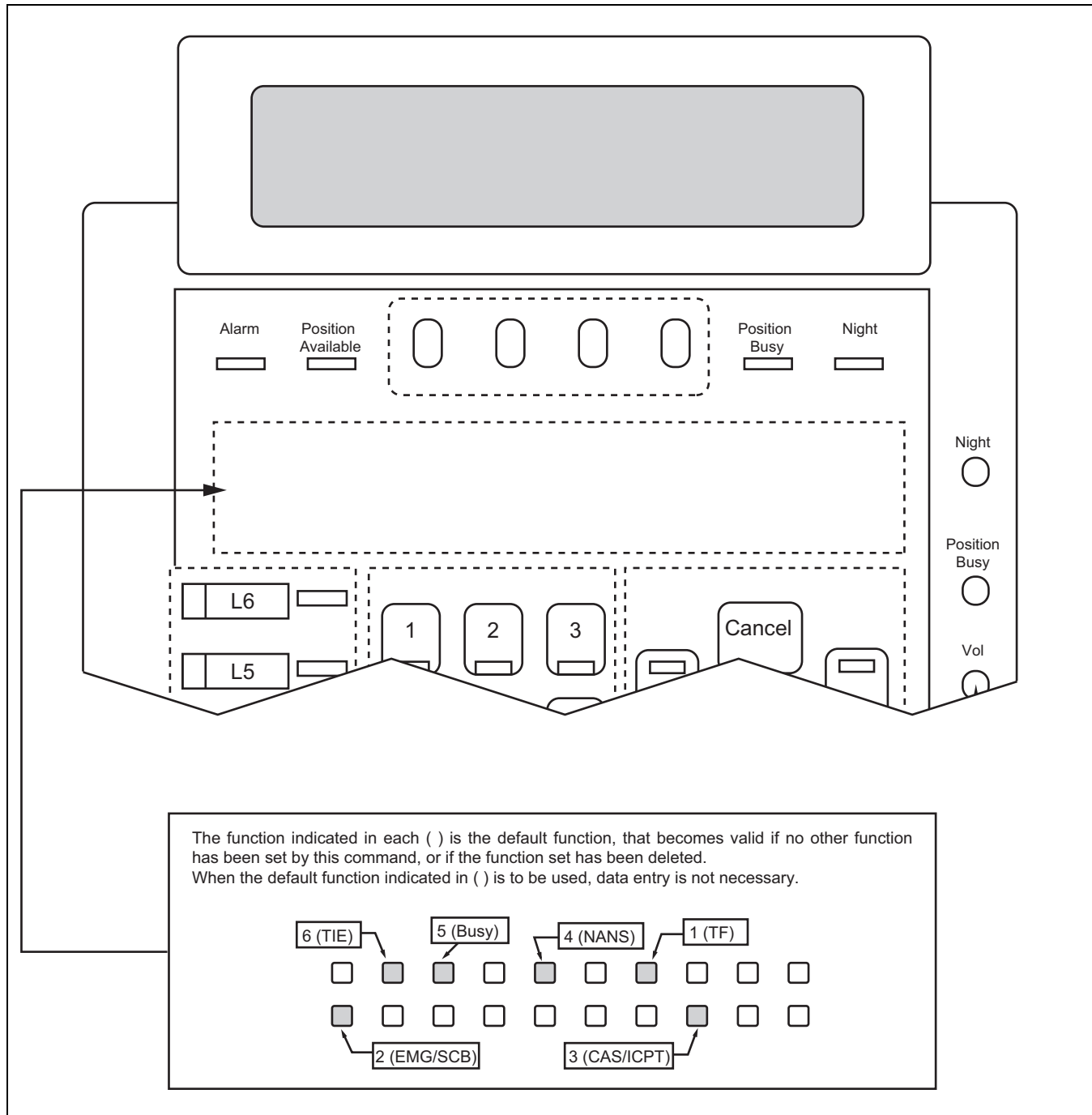
This command sets the functions of the top row of INCOMING CALL IDENTIFICATION (ICI) Feature keys for answering incoming calls at the Attendant Console.

2. Precautions

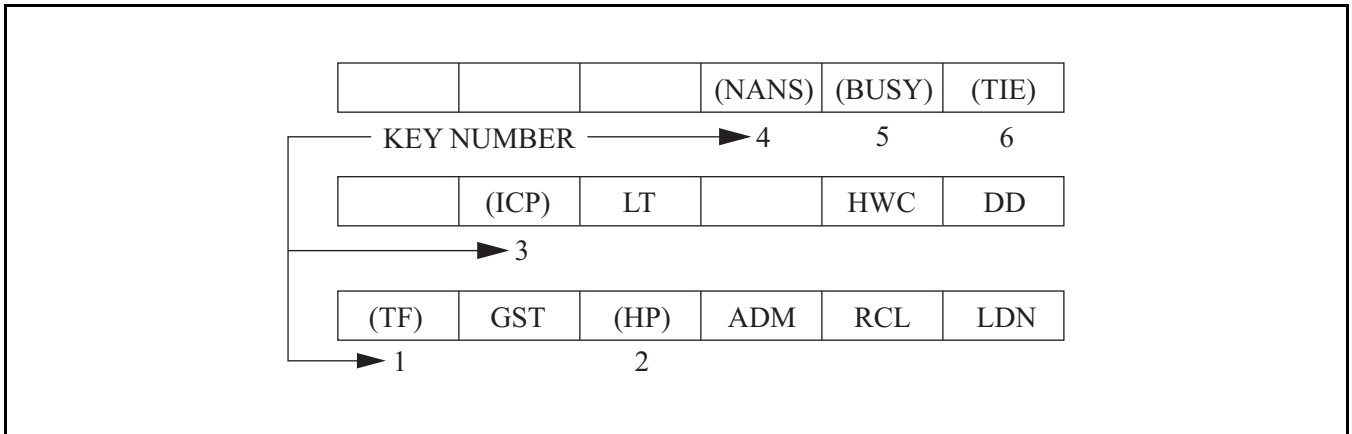
1. This command can be executed under one of following conditions:
 - (a) The ATI circuit card is not mounted.
 - (b) The ATT has been made busy using the MB switch on the ATI circuit card.
 - (c) The DAY/NIGHT key on the ATT is set to the NIGHT position.
2. When the location of keys has been changed, the number of waiting call display (ASYD, SYS2, Index 8 and Index 9) is invalid for the ICI key (Off Hook Alarm Priority Call) programmed by this command.
3. The Attendant Console number (ATN) is the number assigned at the TK parameter of the ATRK command.
4. The maximum number of Attendant Consoles should be assigned by the ASYD command, SYS1, Index 9.
5. The location of the keys that can be set by this command is shown in the following figures.

- Desk Console

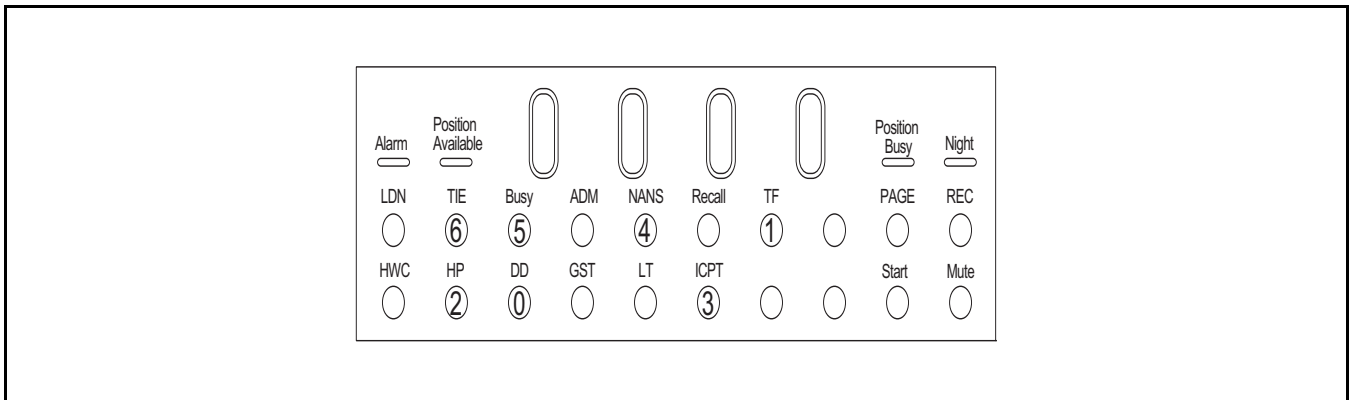
ATT Key Position (Desk Console - Business)



- Hotel Attendant Console



- Hotel Desk Console



3. Data Entry Instructions

ATN: Attendant Number [1-60]

Enter the Attendant Console number.

The number corresponds to the trunk number assigned by the ATRK command.

KYN: Key Number [1-6]**FUNC: Function Code [1-16]**

1=CAS Line

2=Off-Hook Alarm

3=Priority Call 1

4=Priority Call 2

5=Priority Call 3

6=GST2 (for Hotel only)

7=Wake-Up (for Hotel only)

8-16=Not used

4. Data Sheet

ATTENDANT NUMBER (ATN) 1-60	KEY NUMBER (KYN) 1-6	FUNCTION CODE (FUNC) 1-16	ATTENDANT NUMBER (ATN)	KEY NUMBER (KYN) 1-6	FUNCTION CODE (FUNC) 1-16
	1			1	
	2			2	
	3			3	
	4			4	
	5			5	
	6			6	
	1			1	
	2			2	
	3			3	
	4			4	
	5			5	
	6			6	
	1			1	
	2			2	
	3			3	
	4			4	
	5			5	
	6			6	
	1			1	
	2			2	
	3			3	
	4			4	
	5			5	
	6			6	

AAND: Assignment of Automatic Number Identification Data

1. General

This command assigns ANI data for the number of digits of the calling station number and the office code on each route basis for the Automatic Number Identification (ANI) service (for E911 ANI).

2. Precautions

The route number set in parameter RT should have been designated in ARTD, ANI=1.

3. Data Entry Instructions

RT: Outgoing Route Number [1-255]

AT: STA/ATT Outgoing [0/1]

0=STA outgoing

1=ATT outgoing

The following parameters vary depending on the assignment of the previous parameter. See Data Sheet in Section 4 for the required parameters of each setting.

CC: Main/Satellite Central [0/1]

0=Main Central

1=Satellite Central

KT: Expansion of STA Number Length [0/1]

0=OFF

1=ON

COC: Central Office Code [Maximum five digits (0-9, *, #)]

STNL: STA Number Length [1-8]

This parameter can be assigned when KT=1 (ON).

ADD: Office Code Added [1-10]

SKIP: Call Originator Digit Skipped [0-10]

DC: Office Code [Maximum 10 digits (0-9, *, #)]

4. Data Sheet

- (a) When STA/ATT, the Individual Attendant Number is assigned.
Outgoing and Main Central (AT = 0, CC = 0):

ROUTE NUMBER (RT)	STA OUTGOING/ ATT OUTGOING (AT)	MAIN CENTRAL/ SATELLITE CENTRAL (CC)	EXPANSION OF STA NUMBER LENGTHS (KT) 0/1	STA NUMBER LENGTH (STNL) 1 – 8 Note 1	OFFICE CODE ADDED (ADD) 1 – 10	CALL ORIGINATOR DIGIT SKIPPED (SKIP) 0 – 10	OFFICE CODE (DC) MAXIMUM 10 DIGITS
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					
	0	0					

Note 1: This parameter can be assigned when KT = 1.

- (b) When STA/ATT, the Individual Attendant Number is assigned.
Outgoing and Satellite Central (AT = 0, CC = 1):

ROUTE NUMBER (RT)	STA OUTGOING/ ATT OUTGOING (AT)	MAIN CENTRAL/ SATELLITE CENTRAL (CC)	CENTRAL OFFICE CODE (COC) MAXIMUM 5 DIGITS	OFFICE CODE ADDED (ADD) 1 – 10	CALL ORIGINATOR DIGIT SKIPPED (SKIP) 0 – 10	OFFICE CODE (DC) MAXIMUM 10 DIGITS
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				
	0	1				

[illegible]

AAND_LR : Assignment of Automatic Number Identification Data – Logical Route Number

1. General

This command is used to assign ANI data for the number of digits of calling station number and the office code on each tenant basis for the Automatic Number Identification (ANI) service (for E911 ANI). Route number of the AAND command can be assigned by using Logical Route data.

2. Precautions

1. Prior to this command, logical route data must be allocated by using the ALRTN command.
2. Only when logging in to the Network Control Node (NCN), this command can be used to assign the Logical Route data of self-node and the other nodes in the FCCS Network. If logging in to a Local Node (LN), data setting only for the self-node is available. (An error message is indicated if writing data to other nodes.)
3. The route number of RT parameter should have been designated in ARTD, CDN19 ANI = 1.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

FPC: Fusion Point Code [1-253]

RT: Outside Route Number [1-255]

AT: STA/ATT Outgoing

Select either of the radio buttons,

- STA outgoing
- ATT outgoing

The following parameters vary depending on the assignment of the previous parameter. See the Data Sheet in Section 4 for the required parameters of each setting.

CC: Main/Satellite Central

Select either of the radio buttons:

- Main Central
- Satellite Central

KT: Expansion of STA Number Length

Select either of the radio buttons,

- OFF
- ON

COC: Central Office Code [maximum five digits (0-9, *, #)]

STNL: STA Number Length [1-8]

This parameter can be assigned when KT=ON.

ADD: Office Code Added [1-10]

SKIP: Call Originator Digit Skipped [0-10]

DC: Office Code [maximum ten digits (0-9, *, #)]

Office Code for the number of digits assigned to the parameter ADD.

Note: Existing data can be read out by pressing the GET button.

4. Data Sheet

(a) When $AT = STA$ outgoing, $CC = Main$ Central is selected;

[illegible]

Note 1: This parameter can be assigned when “KT = ON.”

(b) When $AT = STA$, $CC = \text{Satellite Central}$ is selected;

[illegible]

(c) When $AT = ATT$ outgoing is selected;

[illegible]

AANDE: Assignment of Automatic Number Identification Expansion Data

1. General

This command assigns ANI data for the number of digits for the calling station number and the office code on each tenant basis for the Automatic Number Identification Expansion (ANIE) Service (for E911ANI).

2. Precautions

1. This data is available when E911 ANI Office Code Expansion is in service (the ASYD command, SYS1, Index 246, b5=1).
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

TN: Tenant Number

SKIP: Call Originator Digit [0-10]

Enter the number of digits skipped from the original office code.

ADD: Office Code Added [1-10]

Enter the number of digits added to the original office code.

DC: Office Code [Maximum 10 digits]

The office code number to be added.

4. Data Sheet

[illegible]

AANI: Assignment of ANI Data

1. General

This command assigns Automatic Number Identification (ANI) data sent per tenant by the request from opposite office.

2. Precautions

1. Before using this command, ASYD, SYS1, Index 125, b4-b7 (Type of MFC Signaling System) should be assigned.
2. When ASYD command, SYS2, Index 15, b2=1, the following number is sent as ANI data.
 - (a) Calling party is a station:
Calling party's station number is sent.
 - (b) Calling party is an Attendant or tandem connection:
LDN assigned in this command is sent.
If b2=0, LDN assigned in this command is sent.
3. The ANI parameter of ARTD command should be assigned prior to this command.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

TN: Tenant Number

TS: Call Number Of Toll [Maximum eight digits (0-9, *, #)]

This parameter is not used. (China only)

LS: Call Number Of Local [Maximum eight digits (0-9, *, #)]

If no LS (Local Number) of ANI is required, enter "*" or "#" in this parameter.

The LS is not included in ANI.

LDN: Listed Directory Number [Maximum eight digits (0-9, *, #)]

4. Data Sheet

[illegible]

AARP: Assignment of Area Code Restriction

1. General

This command assigns the Area/Office code of Toll Restriction - 3/6 digits in conjunction with the ATDP command.

2. Precautions

This command is used when restriction data is assigned to RES = 2 (Toll Restriction is required) in the ARSC command or in the ARRC command.

3. Data Entry Instructions

OG RT: Outgoing External Route Number [1-255]

RSC: Route Restriction Class [0-15]

RSC assigned by the ARSC command.

FLAG: Destination (Area/Office) Code Three or Six Digits Setting [1/2]

1: 3 digits

2: 6 digits

DC: Destination (Area/Office) Code [Maximum six digits]

DC should not include the Access Code.

RES: Restriction Data [0/1]

0: Area/Office code is restricted.

1: Area/Office code is allowed.

Note: If the data has already been assigned when the GET button is executed after checking the "6 Digits" parameter and entering DC=000000, the DEL button is not valid while the SET button is effective. Then the Restriction data can be changed (overwritten) by the SET button.

4. Data Sheet

[illegible]

AARPL: Assignment of Area Code Restriction for LDM

1. General

This command assigns the Area/Office code of Toll Restriction - 3/6 digits for FCCS service in conjunction with ATDPL (for LDM)/ATDPN (for NDM) command. This data is written in Local Data Memory (LDM). When common data is needed in the FCCS Network, assign the data by the AARPN command.

2. Precautions

This command is available when either of the following is true:

- The restriction data (RES) is set to 2 (Toll Restriction is allowed) in the ARSCN command.
- The ARI D-RES parameter is set to 2 (Toll Restriction is required) in the ARRCN command.

3. Data Entry Instructions

OG LGRT: Outgoing External Logical Route Number [1-899]

Assign a unique LGRT number. in the FCCS Network.

RSC: Route Restriction Class [0-15]

RSC assigned by the ARSCN command.

FLAG: Destination (Area/Office) Code Three or Six Digits Setting [1/2]

1: 3 digits

2: 6 digits

DC: Destination (Area/Office) Code [Maximum six digits]

DC should not include the Access Code.

RES: Restriction Data [0/1]

0: Area/Office code is Restricted

1: Area/Office code is Allowed

Note: If the data has already been assigned when the GET button is executed after checking “6 Digits” parameter and entering DC = 000000, the DEL button is not valid while the SET button is effective. Then the Restriction data can be changed (overwritten) by the SET button.

4. Data Sheet

[illegible]

AARPN: Assignment of Area Code Restriction for NDM

1. General

This command assigns the Area/Office code of Toll Restriction - 3/6 digits for FCCS service in conjunction with ATDPL (for LDM)/ATDPN (for NDM) command. This data is written in Network Data Memory (NDM) of the Network Control Node (NCN).

2. Precautions

This command is available when either of the following is true:

- The restriction data (RES) is set to 2 (Toll Restriction is allowed) in the ARSCN command.
- The ARI D-RES parameter is set to 2 (Toll Restriction is required) in the ARRCN command.

3. Data Entry Instructions

OG LGRT: Outgoing External Logical Route Number [1-899]

Assign a unique LGRT number in the FCCS Network.

RSC: Route Restriction Class [0-15]

RSC assigned by the ARSCN command.

FLAG: Destination (Area/Office) Code Three or Six Digits Setting [1/2]

1: 3 digits

2: 6 digits

DC: Destination (Area/Office) Code [Maximum six digits]

DC should not include the Access Code.

RES: Restriction Data [0/1]

0: Area/Office code is Restricted

1: Area/Office code is Allowed

Note: If the data has already been assigned when the GET button is executed after checking “6 Digits” parameter and entering DC = 000000, the DEL button is not valid while the SET button is effective. Then the Restriction data can be changed (overwritten) by the SET button.

4. Data Sheet

[illegible]

AARS: Assignment of Alternative Route Service Restriction

1. General

This command assigns various service connections between the outgoing route and the incoming route when they are restricted, or assigns the existing restrictions when such service connections are canceled.

2. Precautions

If the data is not assigned, the specified connections are restricted.

3. Data Entry Instructions

IC RT: Incoming External Route Number [1-255]

OG RT: Outgoing External Route Number [1-255]

RSV: Route Service [0/1]

0=Not used

1=AMP Pool

RES: Restriction Data [0-2]

When RSV=1 (AMP Pool)

0=Restriction

1=OGT

2=ICT

4. Data Sheet

INCOMING EXTERNAL ROUTE NUMBER (IC RT)	OUTGOING EXTERNAL ROUTE NUMBER (OG RT)	ROUTE SERVICE (RSV) 0/1	RESTRICTION DATA (RES) 0 – 2	REMARKS

AARSN: Assignment of Alternative Route Service Restriction for NDM

1. General

This command assigns various service connections between the outgoing route and the incoming route when they are restricted, or assigns the existing restrictions when such service connections are canceled. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command can be used only when logging in to NCN.
2. If the data is not assigned, the specified connections are restricted.

3. Data Entry Instructions

IC LGRT: Incoming External Logical Route Number [1-899]

OG LGRT: Outgoing External Logical Route Number [1-899]

RSV: Route Service [0/1]

0=Not used

1=AMP Pool

RES: Restriction Data [0-2]

When RSV=1 (AMP Pool)

0=Restriction

1=OGT

2=ICT

4. Data Sheet

[illegible]

AATC: Assignment of Authorization Code Data

1. General

This command assigns the Authorization Code that is used for Authorization Code/Forced Account Code/PAD Lock, and Remote Access to System features.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b3=1), assign TN parameter as data “1” for all tenants.
2. When data “1 (Restricted)” is entered in the ACR parameter, the RSC and SFC parameter is specified as the temporary class. The trunk connection or service feature capability of the temporary class is defined in the data of the ARSC command and the ASFC command.
3. When data “2 (Allowed)” is entered in the ACR parameter, neither the RSC nor SFC parameter appears. In this case, the trunk connection or service feature is allowed regardless of the ARSC/ASFC data.
4. A maximum of ten digits of DC can be entered as the Authorization Code.
5. Assign data “0” (Separate) in b6, Index 93, SYS1 of the ASYD command to specify the maximum number of digits for the command AMND.

3. Data Entry Instructions

TN: Tenant Number [1-63]

DC: Digit Code of ID [Maximum 10 digits]

ACR: Authorization Code Restriction [1/2]

1=Restricted

2=Allowed

RSC: Route Restriction Class [0-15]

This parameter is not required when ACR=2.

SFC: Service Restriction Class [0-15]

This parameter is not required when ACR=2.

4. Data Sheet

(a) When SFC and RSC are assigned for each Authorization Code (ACR=1)

[illegible]

(b) When SFC and RSC are not assigned for each Authorization Code (ACR=2)

[illegible]

AATCN: Assignment of Authorization Code Data for NDM

1. General

This command assigns the Authorization Code that is used for Authorization Code/Forced Account Code/PAD Lock, and Remote Access to System features. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b3=1), assign TN parameter as data “1” for all tenants.
2. When data “1 (Restricted)” is entered in the ACR parameter, the RSC and SFC parameter is specified as the temporary class. The trunk connection or service feature capability of the temporary class is defined in the data of the ARSCN command and the ASFCN command.
3. When data “2 (Allowed)” is entered in the ACR parameter, neither the RSC nor SFC parameter appears. In this case, the trunk connection or service feature is allowed regardless of the ARSCN/ASFCN data.
4. A maximum of ten digits of DC can be entered as the Authorization Code.
5. Assign data “0” (Separate) in b6, Index 93, SYS1 of the ASYD command to specify the maximum number of digits for the command AMNDN
6. If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b7=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number [1-63]

DC: Digit Code of ID [Maximum 10 digits]

ACR: Authorization Code Restriction [1/2]

1=Restricted

2=Allowed

RSC: Route Restriction Class [0-15]

This parameter is not required when ACR=Allowed.

SFC: Service Restriction Class [0-15]

This parameter is not required when ACR=Allowed.

4. Data Sheet

(a) When SFC and RSC are assigned for each Authorization Code (ACR=Restricted)

[illegible]

(b) When SFC and RSC are not assigned for each Authorization Code (ACR=Allowed)

[illegible]

ABKS: Assignment of Backup Station Data

1. General

This command assigns the physical station number Pool data on Secondary MGC. This Pool data is used when the Secondary MGC backs up the Stations accommodated in the failed Primary MGC. This command is also used to specify the Polling time in the Secondary MGC.

2. Precautions

1. ASFC, SFI 205 (Pooled Station on Secondary MGC) = 1 is automatically allocated to the physical station numbers assigned on this command.
2. This command consists of the following three tabs: Pool Station Number, Backup Station Number, and Options.
3. The physical station numbers with the other feature data cannot be deleted.
4. When the Get button is pressed on Pool Station Number tab, the following conditions must be considered.
 - If any Telephone Class other than “Digital (TEC=12)” is already assigned to the physical station number, an error message including the Telephone Class and LENS information is issued.
 - If there is any disparity between the already registered data and the currently entered data, an error message including the disparity information is issued.

3. Data Entry Instructions

Pool Station

POOL NUMBER: Pool Number [0-63]

PHONE TYPE

Select “Digital” from the combo box.

TN: Tenant Number

RSC: Route Restriction Class [0-15]

SFC: Service Restriction Class [0-15]

START STN: Start station number [a maximum of six digits]

Specify the first station number to be allocated for the Pool Number assigned in POOL NUMBER parameter. “*” and “#” shall not be included in the last two digits of station number.

START LENS: Start Line Equipment Numbers [five digits]

Specify the first LENS to be allocated for the Pool Number assigned in POOL NUMBER parameter.

NUMBER OF REGISTRATION: [8-96 digits]

Assign the number of Stations belonging to the Pool Number assigned in POOL NUMBER parameter. (the number from 8 to 96, in multiples of 8)

Note: The following explains the relationship among “STN START”, “LENS START” and “NUMBER OF REGISTRATION” parameters.

[Example of Data Assignment]

START STN = 3000

START LENS = 00006

NUMBER OF REGISTRATION = 8

Station Number	LENS
<u>3000</u>	<u>000060</u>
3001	000061
3002	000062
3003	000063
3004	000064
3005	000065
3006	000066
3007	000067

Backup Station**STN: Station number**

Assign station number (a maximum of six digits) or Telephone Number (a maximum of 12 digits) of Visitor Station

STN/TELN

Select either STN or TELN.

PC: Point Code (1-4095)

This parameter is assigned only when STN/TELN = STN is selected.

Option**TYPE**

Select either of radio buttons.

- Polling
- Synchronize

When TYPE=Polling is selected:

FUNCTION

Select either of radio buttons.

- Manual Start: The process is executed immediately.
- Auto Start: The process is executed at the specified time.

Polling start time

This parameter is assigned only when selecting “Auto Start” in the above FUNCTION parameter. Specify the Polling time in hours and minutes. (00:00-23:59)

Note: When TYPE = Polling and FUNCTION = Manual Start are selected, click the “Start” button to start Polling of the User Profile Database.

When TYPE=Synchronize is selected, a station number conversation table is displayed.

Note: Here is an explanation of each item in the station number conversation table
L-STN: Telephone Number (a maximum of 10 digits)
P-STN: Physical station number (a maximum of 6 digits)
Office: Self/Remote Office
LENS: Line Equipment Numbers

- To synchronize the Visitor station number information, click the “Start” button.
- To read out the registered station number conversation table data, click the “ListGet” button.
- To delete any station number conversation table information from the list, select the information to be deleted, and then click “ListDel” button.

4. Data Sheet

Pool Station

[illegible]

Backup Station Number

[illegible]

ABNDL: Assignment of Bandwidth Control Data for LDM

1. General

This command assigns the bandwidth control data such as routing table and bandwidth threshold value. This data is written in Local Data Memory (LDM).

2. Precautions

1. Bandwidth data setting is not required between the locations not activating bandwidth control.
2. When deleting the bandwidth data, complete the following:
 - The routing table is not deleted even if the bandwidth threshold value is deleted. The bandwidth threshold value is the only data between location to location. When it is deleted, the deleting is applied to all routes that pass through the locations.
 - The bandwidth border data is not deleted even if the routing table is deleted.

3. Data Entry Instructions

START LOC-ID: Start Location ID [0-4095]

Enter the Location ID of calling party.

END LOC-ID: End Location ID [0-4095]

Enter the Location ID of called party.

Note: Press the GET button to display the routing table between the specified locations.

<Routing Table>

1st-15th LOC-ID: 1st-15th Location ID [0-4095]

Enter the intermediate Location IDs between START LOC-ID and END LOC-ID. Leave this data blank for adjoining locations.

DATA: Existence Of Bandwidth Border Data [O/X]

O or X is displayed on the list if the bandwidth border data exists or not.

O = Bandwidth border data exists.

X = Bandwidth border data does not exist.

Note: Press the DISP button to display the bandwidth threshold value information list between the specified locations.

<Bandwidth Border Data>**LOC-ID XX<==>YY**

The bandwidth threshold value information between LOC-ID XX and LOC-ID YY is listed in the Bandwidth Border Data field.

NORMAL BANDWIDTH

Basic threshold value. This value is applied 24 hours.

Limit Value: [1-16777215 kbps]

Assign the maximum value. If not specified, the bandwidth is not limited. This item determines voice bandwidth, excluding control signal bandwidth.

Warning Value: [1-16777215 kbps]

System Message ([36-G] Bandwidth Warning, or [36-H] Bandwidth Warning Recovery) is issued as a warning. If not specified, no system message is issued.

Alarm: [0/1]

System Message ([36-G] Bandwidth Warning, or [36-H] Bandwidth Warning Recovery) output.
0/1=Provided/Not provided.

PARTICULAR BANDWIDTH

This is a specific threshold value that can be assigned to a specified time zone. A maximum of ten time zone patterns can be set.

Time Zone [00:00-23:59]

This is a time zone to which a particular threshold value is applied. Assign the time zone in 00:00-23:59 format.

Note: Do not assign duplicate time zones. Do not assign the time zone across 00:00 (23:00-01:00 restricted).

Limit Value: [1-16777215 kbps]

Assign the maximum value. If not specified, the bandwidth is not limited. This item determines voice bandwidth, excluding control signal bandwidth.

Warning Value: [1-16777215 kbps]

System Message ([36-G] Bandwidth Warning, or [36-H] Bandwidth Warning Recovery) is issued as a warning. If not specified, no system message is issued.

Alarm: [0/1]

System Message ([36-G] Bandwidth Warning, or [36-H] Bandwidth Warning Recovery) output.
0/1=Provided/Not provided.

4. Data Sheet

LOC-ID 1-4095	NORMAL/ PARTICULAR	TIME ZONE 00:00-23:59	LIMIT VALUE 1-16777216 kbps	WARNING VALUE 1-16777216 kbps	ALARM 0/1
<=>		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
<=>		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
		: ~ :			
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		: ~ :			

ACAN : Assignment of CIC Number Between Adjacent Nodes for LDM

1. General

This command assigns LENS and FCCS Circuit Identification Code (FCCS CIC) numbers on the basis of each Fusion Point Code (FPC).

2. Precautions

1. Before executing this command, confirm that the following assignments have already been completed:
 - (a) LSG: 12 (the ACRD command) is assigned to the B-Channel Route to which the FCCS CIC belongs.
 - (b) The trunk data for the FCCS CIC is assigned using the ACTK command.
2. The FCIC given to each B-Channel should be identical to the originating node and its adjacent node.
3. The available FCIC (FCCS CIC Number) is 1-4095.
4. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

FPC: Fusion Point Code [1-253]

FPC is a unique number allotted to each node.
Assign FPC of the adjacent node to this parameter.

FCIC: FCCS CIC Number [1-4095]

FCCS CIC number of the adjacent node.

C_LENS:Connection Line Equipment Numbers

LENS of the trunk for B-Channel assigned by the ACTK command.

4. Data Sheet

[illegible]

ACBC: Assignment of Call-by-Call Service Data

1. General

This command assigns the Call-by-Call Information for an ISDN Network.

2. Precautions

1. Before assigning data, assign the Outgoing Route Selection Pattern Number (OPR) using the AOPR command.
2. The table below provides the applicable data assignment for each ISDN switch.

Data Assignments for ISDN Switch

ACBC	AT&T			NT	
	Feature Access	Service Access (SDN)	Service Access (MEGACOM, etc.)	Public, etc.	Public, etc.
TDPTN	0 - 7	0 - 7	0 - 7	0 - 7	0 - 7
OPR	0 - 4095	0 - 4095	0 - 4095	0 - 4095	0 - 4095
RA	0 - 7	0 - 7	0 - 7	0 - 7	0 - 7
MD	0	0	0	0	0
TON	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2
INTF	5	5	5	7	7
SERV	0	1	1	0	0
CODE	0 / 5 / 6	1	2 / 3 / 5 / 6	0 / 1 / 2 / 4 / 5 / 8	3
BAND	-	0 - 9	-	-	0 - 9
SCC	three digits	three digits	-	-	-

3. The data assignment of the INTF parameter of this command should correspond to the INT parameter of the ARTD command.
4. The data assignment of the TON parameter of this command should correspond to the one assigned by the ARTI command.

3. Data Entry Instructions

TDPTN: Time Of Day Change Pattern [0-7]

TDPTN is specified by the ATCP command.

OPR: Outgoing Route Selection Pattern Number [0-4095]

OPR is specified by the AOPR command.

RA: Order of Route Advancing [0-7]

Enter the route advancing order.

MD: Service Mode

Always assigned as “0” for U.S.A.

0=Call by Call Service

1=Voice/Data Route Selection Service

INTF: Interface Type [1/5/7/10]

1=N-ISDN2

5=AT&T

7=Northern Telecom (NT)

10=Q-sig./IS11572

NPI: Numbering Plan Identification [0-15]

0=Unknown

1=ISDN/Telephony Numbering Plan

2-8=Not used

9=Private Network Numbering Plan

10-15=Not used

TON: Type Of Number [0-7]

0=Unknown

1=International

2=National

3=Not used

4=Local

5-7=Not used

SERV: Feature/Service [0-2]

0=Feature

1=Service

2=SET TON&NPI

CODE: Facility Coding Values Failure [0-31]

The different range of data can be entered depending on the data of INTF/SERV parameter.

See the table entitled “Code” for applicable CODE data.

BAND: WATS Band Number [0-9]

Enter WATS Band Number.

SCC: SCC Distinguish Number [Maximum four digits]

Enter SCC distinguish number.

PNL: LCR Change Pattern [1-999]

This parameter is related to the PNL data assigned by the AOPR/AADC command.

Code

WHEN	APPLICABLE DATA AND MEANINGS
INTF = 1 (N-ISDN2)	17 = INWATS Selection 18 = OUTWATS 19 = Foreign Exchange (FX) 20 = TIE Trunk (TIE)
INTF = 5 (AT&T), SERV = 0 (Feature)	0 = Transmit Network Selection 1 = CPN (SID) Preferred 2 = BN (ANI) Preferred 3 = CPN (SID) Only 4 = BN (ANI) Only 5 = Operator 6 = PCCO 9 = Call Associated TSC 10 = Notification of Call Associated TSC Clearing or Resource Unavailable
INTF = 5 (AT&T), SERV = 1 (Service)	1 = SDN (Including SDGN) 2 = MEGACOM 800 3 = MEGACOM 5 = WATS maximal subscribe 9 band 6 = ACCUNET 7 = Long Distance Service 8 = International 800 10 = AT&T Multi Quest
INTF = 7 (Northern Telecom (NT))	0 = Public 1 = Private 2 = INWATS 3 = OUTWATS 4 = FX 5 = TIE Trunk 8 = TRD Call

4. Data Sheet

TIME OF DAY CHANGE PATTERN (TDPTN) 0-7		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0-4095							
ORDER OF ROUTE ADVANCING (RA) 0-7	SERVICE MODE (MD)	INTERFACE TYPE (INTF) 1/5/7/10	NUMBERING PLAN IDENTIFICATION (NPI) 0-15	TYPE OF NUMBER (TON) 0-7	FEATURE/ SERVICE (SERV) 0-2	FACILITY CODING VALUES FAILURE (CODE) 0-31	WATS BAND NUMBER (BAND) 0-9	SCC DISTINGUISH NUMBER (SCC) MAXIMUM 4 DIGITS	LCR CHANGE PATTERN (PNL) 1-999
0	0								
1	0								
2	0								
3	0								
4	0								
5	0								
6	0								
7	0								
TIME OF DAY CHANGE PATTERN (TDPTN) 0-7		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0-4095							
ORDER OF ROUTE ADVANCING (RA) 0-7	SERVICE MODE (MD)	INTERFACE TYPE (INTF) 1/5/7/10	NUMBERING PLAN IDENTIFICATION (NPI) 0-15	TYPE OF NUMBER (TON) 0-7	FEATURE/ SERVICE (SERV) 0-2	FACILITY CODING VALUES FAILURE (CODE) 0-31	WATS BAND NUMBER (BAND) 0-9	SCC DISTINGUISH NUMBER (SCC) MAXIMUM 4 DIGITS	LCR CHANGE PATTERN (PNL) 1-999
0	0								
1	0								
2	0								
3	0								
4	0								
5	0								
6	0								
7	0								

ACCDL: Assignment of CLI/COL Translation Data for LDM

1. General

This command registers CLI/COL translation table to a combination of route (route number or logical route number) and user group number.

This data is written in Local Data Memory (LDM).

2. Precautions

1. Translation tables assigned by the ACCTL command can only be referred to via CLI/COL translation data that are registered on this command. They cannot be referred to from the data assigned by the ACCTN command.
Likewise, the translation tables assigned by the ACCTN command cannot be referred to by this command.
2. The CLI/COL translation data for specific route (route/logical route) has higher priority than the translation data for any route.
3. The CLI/COL translation data is valid only when calling parties/called parties are stations.
 - Available stations are: Desktop terminal, analog terminal, PS, SIP terminal and ISDN terminal.
 - This feature is not available for the specific attendant numbers.
4. When the same translation table is assigned for both Day and Night, Day table is used for translation.
5. ARTD data for the route must be registered prior to assigning the ACCDL command.
6. This command is valid only for the outgoing/incoming calls using ETSI trunk.

3. Data Entry Instructions

D/N (Day/Night) [Day Mode or Night Mode]

Select “Day Mode” or “Night Mode” by using a radio button.

Note: This setting is enabled when ASYD SYS1, Index 75, Bit 5=1, as with the ACDD command.

Target RT/LGRT (Target Route/Logical Route Number)

Target [Any or Specific]

Select “Any” or “Specific” by using a radio button. Enter the route number/logical route number to the next “RT/LGRT”, when you select “Specific” here.

RT/LGRT (External Route Number/External Logical Route Number)[1-255]/ [1-899]

Enter the route number (1-255) or logical route number (1-899) when you select “Specific” for “Target.”

UGN (User Group Number) [1-255]

Enter the user group number.

CCTN (Number of CLI/COL Translation Table) [1-255]

Enter the CLI/COL translation table number.

4. Data Sheet

[illegible]

ACCDN: Assignment of CLI/COL Translation Data for NDM

1. General

This command registers CLI/COL translation table to a combination of logical route and user group number.

This data is written in Network Data Memory (NDM).

2. Precautions

1. Translation tables assigned by the ACCTN command can only be referred to via CLI/COL translation data that are registered on this command. They cannot be referred to from the data assigned by the ACCTL command.
Likewise, the translation tables assigned by the ACCTL command cannot be referred to by this command.
2. The CLI/COL translation data for specific route (logical route) has higher priority than the translation data for any route.
3. The CLI/COL translation data is valid only when calling parties/called parties are stations.
 - Available stations are: Desktop terminal, analog terminal, PS, SIP terminal and ISDN terminal.
 - This feature is not available for the specific attendant numbers.
4. When the same translation table is assigned for both Day and Night, Day table is used for translation.
5. ARTDN data for the route must be registered prior to assigning the ACCDN command.
6. This command is valid only for the outgoing/incoming calls using ETSI trunk.

3. Data Entry Instructions

D/N (Day/Night) [Day Mode or Night Mode]

Select “Day Mode” or “Night Mode” by using a radio button.

Note: This setting is enabled when ASYD SYS1, Index 75, Bit 5=1, as with the ACDD command.

Target LGRT (Target Logical Route Number)

Target [Any or Specific]

Select “Any” or “Specific” by using a radio button. Enter the logical route number to the next “LGRT”, when you select “Specific” here.

LGRT (Logical Route Number) [1-899]

Enter the logical route number (1-899) when you select “Specific” for “Target.”

UGN (User Group Number) [1-255]

Enter the user group number.

CCTN (Number of CLI/COL Translation Table) [1-255]

Enter the CLI/COL translation table number.

4. Data Sheet

[illegible]

ACCTL: Assignment of CLI/COL Translation Table for LDM

1. General

This command assigns general number translation rules of Calling Line Identification (CLI) and Connected Line identification (COL) for outgoing/incoming calls that use ETSI trunk to CLI/COL translation table.

This data is written in Local Data Memory (LDM).

2. Precautions

1. Translation tables assigned by this command can only be referred to via CLI/COL translation data that are registered on the ACCDL command. They cannot be referred to from the data assigned by the ACCTN command.
Likewise, the translation tables assigned by the ACCTN command cannot be referred to by the ACCDL command.

3. Data Entry Instructions

CCTN (Number of CLI/COL Translation Table) [1-255]

Enter the CLI/COL translation table number.

Original Number [Maximum 16 digits (0-9, *, #,%)]

Enter the original number for incoming/outgoing call.

Note: For the general number translation rules, see the following subsection.

Translated Number [Maximum 16 digits (0-9, *, #,%)]

Enter the translated number of the relevant original number.

Note: For the general number translation rules, see the following subsection.

LNPD [1-255]

Enter the Local Number Plan Domain.

General Number Translation Rules

Number translation rules and Local Number Plan Domain (LNPD) can be assigned per specification of station number pattern that provides CLI/COL translation feature in order to decide the number after executing translation.

Translation rules:

- Both original number and translated number must be 1 to 16 digits.
- To assign number translation rules, wildcard character “%” is used.
- One “%” stands for one character of 0 to 9, *, or #.

- “%” cannot be assigned as the first digit.

Example:

Original number/Translated number	Assignment
3%	Available
%	Not Available
%0	Not Available

- More than one “%” can be assigned.

Example:

Original number/Translated number	Assignment
3%%%	Available
0813%%%	Available

- Only “%” can come after “%”.

Example:

Original number/Translated number	Assignment
3%%%	Available
3%1%	Not Available
3%%0	Not Available

- When the number of digits for TELN and original number differs, number translation is not to be executed.

Example:

TELN	Original number	Translation
3000	3%%%	To be executed
30000	3%%%	Not to be executed
300	3%%%	Not to be executed

- The number of “%” in original number and that of translated number can be different. In this case, the number of “%” in translated number must be less than that of original number.

Example:

TELN	Original number	Translated number	After translation	Remarks
3021	3%%%	4%%	421	When the number of digits in an original number is less than that in a translated number, the lower digits are given priority.
3001			401	
500	5%%	51	51	When translating into a fixed value, do not insert “%” to translated number.
501			51	

Other Examples:

Description	Original number	Translated number
Translate 1000 to 1099 into 200 to 299	10%%	2%%
Translate 2035 into “1”.	2035	1
Translate 3011 and 3093 into “1”; the pilot number for station hunting.	3011	3333
	3093	3333
Translate 300 to 319 into 2230 to 2249.	30%	223%
	31%	224%
Translate 4000 to 4999 into 3111.	4%%%	3111

Translation rules are registered as the following two office data:

- CLI/COL translation table
- CLI/COL translation data

Note: For the general number translation rules, see the following subsection.

CLI/COL Translation Table

In a CLI/COL translation table, number translation rules are registered. Up to 255 translation rules can be registered to one translation table, and up to 255 translation tables can be registered to one system.

It is possible to register several original numbers that start with the same number(s) and have different digits of “%”. In this case, the number with less number of “%” has the higher priority.

Example:

No.	Original number	Translated number	LNDP
1	312%	111%	2
2	31%%	432%	4
3	3%%%	2%%%	1

With this translation table, numbers after translation are:

3155→4325, LNDP=4

3200→2200, LNDP=1

3120→1110, LNDP=2

CLI/COL Translation Data

Assigned by the ACCDL command.

Registered per day/night and a combination of logical route and user group number. For logical route, data common to all routes can also be registered separately.

4. Data Sheet

[illegible]

ACCTN: Assignment of CLI/COL Translation Table for NDM

1. General

This command assigns general number translation rules of Calling Line Identification (CLI) and Connected Line identification (COL) for outgoing/incoming calls that use ETSI trunk to CLI/COL translation table.

This data is written in Network Data Memory (NDM).

2. Precautions

1. Translation tables assigned by this command can only be referred to via CLI/COL translation data that are registered on the ACCDN command. They cannot be referred to from the data assigned by the ACCTL command.
Likewise, the translation tables assigned by the ACCTL command cannot be referred to by the ACCDN command.

3. Data Entry Instructions

CCTN (Number of CLI/COL Translation Table) [1-255]

Enter the CLI/COL translation table number.

Original Number [Maximum 16 digits (0-9, *, #,%)]

Enter the original number for incoming/outgoing call.

Note: For the general number translation rules, see the following subsection.

Translated Number [Maximum 16 digits (0-9, *, #,%)]

Enter the translated number of the relevant original number.

Note: For the general number translation rules, see the following subsection.

LNPD [1-255]

Enter the Local Number Plan Domain.

General Number Translation Rules

Number translation rules and Local Number Plan Domain (LNPD) can be assigned per specification of station number pattern that provides CLI/COL translation feature in order to decide the number after executing translation.

Translation rules:

- Both original number and translated number must be 1 to 16 digits.
- To assign number translation rules, wildcard character “%” is used.
- One “%” stands for one character of 0 to 9, *, or #.

- “%” cannot be assigned as the first digit.

Example:

Original number/Translated number	Assignment
3%	Available
%	Not Available
%0	Not Available

- More than one “%” can be assigned.

Example:

Original number/Translated number	Assignment
3%%%	Available
0813%%%	Available

- Only “%” can come after “%”.

Example:

Original number/Translated number	Assignment
3%%%	Available
3%1%	Not Available
3%%0	Not Available

- When the number of digits for TELN and original number differs, number translation is not to be executed.

Example:

TELN	Original number	Translation
3000	3%%%	To be executed
30000	3%%%	Not to be executed
300	3%%%	Not to be executed

- The number of “%” in original number and that of translated number can be different. In this case, the number of “%” in translated number must be less than that of original number.

Example:

TELN	Original number	Translated number	After translation	Remarks
3021	3%%%	4%%	421	When the number of digits in an original number is less than that in a translated number, the lower digits are given priority.
3001			401	
500	5%%	51	51	When translating into a fixed value, do not insert “%” to translated number.
501			51	

Other Examples:

Description	Original number	Translated number
Translate 1000 to 1099 into 200 to 299	10%%	2%%
Translate 2035 into “1”.	2035	1
Translate 3011 and 3093 into “1”; the pilot number for station hunting.	3011	3333
	3093	3333
Translate 300 to 319 into 2230 to 2249.	30%	223%
	31%	224%
Translate 4000 to 4999 into 3111.	4%%%	3111

Translation rules are registered as the following two office data:

- CLI/COL translation table
- CLI/COL translation data

Note: For the general number translation rules, see the following subsection.

CLI/COL Translation Table

In a CLI/COL translation table, number translation rules are registered. Up to 255 translation rules can be registered to one translation table, and up to 255 translation tables can be registered to one system.

It is possible to register several original numbers that start with the same number(s) and have different digits of “%”. In this case, the number with less number of “%” has the higher priority.

Example:

No.	Original number	Translated number	LNPD
1	312%	111%	2
2	31%%	432%	4
3	3%%%	2%%%	1

With this translation table, numbers after translation are:

3155→4325, LNPD=4

3200→2200, LNPD=1

3120→1110, LNPD=2

CLI/COL Translation Data

Assigned by the ACCDN command.

Registered per day/night and a combination of logical route and user group number. For logical route, data common to all routes can also be registered separately.

4. Data Sheet

[illegible]

ACDD: Assignment of Change Digit Code for Dial in Service

1. General

This command assigns the Change Digit Code for the ISDN line with DID Addressing.

2. Precautions

1. Data can be entered on a Day/Night basis if specified in the ASYD command, SYS1, Index 75, b5=1.
2. This command does not affect DC=0 (Sub Address - Addressing) assigned by the ARTD command.
3. Enter the B-Channel Route Number in the parameter RT.
4. To set a station as a destination receiving a call using Direct Inward Dialing (DID) when Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), a Change Digit Code (CDC) needs to be set with the Telephone Number.

3. Data Entry Instructions

D/N: Day/Night Mode

Day Mode

Night Mode

RT: Route Number [1-255]

Enter the B-Channel Route Number.

DC: Digit Code [Maximum eight digits (0-9, *, #)]

Enter the same number of digits as one assigned in DC of the ARTD command.

Note: A CDC shorter than 24 digits represents more significant digit(s). For example, the assignment of DC=24, CDC=136 means the following translation: "24XX" → "136XX"

CDC: Change Digit Code [Maximum 24 digits (0-9, *, #, P)]

Note: A CDC shorter than 24 digits represents more significant digit(s). For example, the assignment of DC=24, CDC=136 means the following translation: "24XX" → "136XX"

AD: Additional Dialing Service

Always select "Out of service" in AD parameter when ISDN DID Addressing.

- Out of service = Additional Dialing Service is invalid.
- In service = Node dial-in Additional Dialing Service (Japan) is valid.

XFR: Transfer Service

Always select "In service" in the XFR parameter when ISDN DID Addressing is provided.

- In service = Transfer is valid.
- Out of service = Transfer is invalid.

Note: Regardless of XFR setting, transfer is in service when external route of incoming call is an ISDN line.

4. Data Sheet

[illegible]

ACDDL: Assignment of Change Digit Code for Dial In Service for LDM

1. General

This command assigns the Change Digit Code for the ISDN line with DID Addressing. This data is written in the Local Data Memory (LDM).

2. Precautions

1. This command is not effective if DC=0 (Sub Address - Addressing) is assigned by the ARTD command.
2. Enter the Logical Route Number of the B-Channel route in the parameter LGRT.
3. To set a station as a destination receiving a call using Direct Inward Dialing (DID) when Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), a Change Digit Code (CDC) needs to be set with the Telephone Number.

3. Data Entry Instructions

D/N: Day/Night Mode

Day Mode

Night Mode

LGRT: Logical Route Number [1-899]

When ISDN line is used, enter the Logical Route Number of the B-Channel route.

DC: Digit Code [Maximum eight digits (0-9, *, #)]

Enter the same number of digits as one assigned in DC of the ARTD command.

Note: A DC shorter than eight digits represents more significant digit(s). For example, the assignment of DC=24,CDC=136 means the following translation: "24XX" → "136XX"

FPC: Fusion Point Code [1-253]

RT: Route Number [1-255]

CDC: Change Digit Code [Maximum 24 digits (0-9, *, #, P)]

Note: A DC shorter than eight digits represents more significant digit(s). For example, the assignment of DC=24,CDC=136 means the following translation: "24XX" → "136XX"

AD: Additional Dialing Service

Always select "Out of service" in AD parameter when ISDN DID Addressing.

- Out of service = Additional Dialing Service is invalid
- In service = Node dial-in Additional Dialing Service (Japan) is valid

XFR: Transfer Service

Always select “In service” in XFR parameter when ISDN DID Addressing is provided.

- In service=Transfer is valid
- Out of service=Transfer is invalid

Note: Regardless of XFR setting, transfer is in service when external route of incoming call is an ISDN line.

4. Data Sheet

[illegible]

ACDDN: Assignment of Change Digit Code for Dial In Service for NDM

1. General

This command is used to assign the Change Digit Code for the ISDN line with DID Addressing in the FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command does not affect if DC=0 (Sub Address - Addressing) is assigned by the ARTD command.
2. Enter the Logical Route Number of the B-Channel route in the parameter LGRT.
3. To set a station as a destination receiving a call using Direct Inward Dialing (DID) when Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), a Change Digit Code (CDC) needs to be set with the Telephone Number.

3. Data Entry Instructions

D/N: Day/Night Mode

Day Mode

Night Mode

LGRT: Logical Route Number [1-899]

When ISDN line is used, enter the Logical Route Number of the B-Channel route.

DC: Digit Code [Maximum eight digits (0-9, *, #)]

Enter the same number of digits as one assigned in DC of the ARTD command.

Note: A CDC shorter than 24 digits represents more significant digit(s). For example, the assignment of DC=24,CDC=136 means the following translation: "24XX" → "136XX"

FPC: Fusion Point Code [1-253]

RT: Route Number [1-255]

CDC: Change Digit Code [Maximum 24 digits (0-9, *, #, P)]

Note: A CDC shorter than 24 digits represents more significant digit(s). For example, the assignment of DC=24,CDC=136 means the following translation: "24XX" → "136XX"

AD: Additional Dialing Service

Always select “Out of service” in AD parameter when ISDN DID Addressing.

- Out of service = Additional Dialing Service is invalid
- In service = Node dial-in Additional Dialing Service (Japan) is valid

XFR: Transfer Service

Always select “In service” at XFR parameter when ISDN DID Addressing is provided.

- In service=Transfer is valid
- Out of service=Transfer is invalid

4. Data Sheet

[illegible]

ACDN: Assignment of Number of Digits for Consecutive Dialing Data

1. General

This command assigns the number of digits added to the access code of a distant office that has been assigned via the AMND command.

2. Precautions

1. The ARTD command is used to assign data “1” in the parameter CD prior to the operation of this command. It is also necessary to assign the distant office code via the AMND command prior to assigning the data for ACDN.
2. For tenants the AMND conditions apply. If the numbering plan is common for all tenants (ASYD, SYS1, Index 93, b6=1), assign the TN parameter “1” for all tenants.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

TN: Tenant Number

DC: Destination Code [Maximum 10 digits (0-9, *, #)]

Enter the “access code + area/office code” (or its element) to be specified the necessary digits.

CDN: Number of Digits of Consecutive Dialing [0-30]

Enter the number of digits transmitted after the dialed number (Destination number).

4. Data Sheet

TENANT NUMBER (TN)	DESTINATION CODE (DC) MAXIMUM 10 DIGITS (0-9, *, #)	NUMBER OF DIGITS OF CONSECUTIVE DIALING (CDN) 0 – 30	REMARKS

ACFCL: Assignment of Call Forwarding by SFC for LDM

1. General

This command is used to read out, assign, and delete the data related to the Call Forwarding (CF) features. The data is written in the Local Data Memory (LDM).

2. Precautions

1. Depending on the system data setting by ASYD, SYS1, Index 5, b0 (Access Code for CF – Busy and CF – Don't Answer is the same or separated) and Index 79, b2 (Split Call Forwarding is in service or not), required parameters differ in this command. See the Data Sheet on the next pages for required parameters as to each type.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

◆ When ASYD SYS1, Index 5, b0=0 and Index 79, b2=0 is assigned:

D/N: Day/Night Mode

- Day Mode
- Night Mode

TN: Tenant Number

SFC: Service Restriction Class [0-15]

Enter the Service Feature Restriction Class defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC in the range of 1 to 15.

CFAD: Call Forwarding - All Calls Destination [Maximum 24 digits (0-9, *, #)]

CFBD/CFDD: Call Forwarding - Busy/Do not Answer Destination [Maximum 24 digits (0-9, *, #)]

◆ When ASYD SYS1, Index 5, b0=1 and Index 79, b2=0 is assigned:

D/N: Day/Night Mode

- Day Mode
- Night Mode

TN: Tenant Number

SFC: Service Restriction Class [0-15]

Enter the Service Feature Restriction Class defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC in the range of 1 to 15.

CFAD: Call Forwarding - All Calls Destination [Maximum 24 digits (0-9, *, #)]

CFBD: Call Forwarding - Busy Line Destination [Maximum 24 digits (0-9, *, #)]

CFDD: Call Forwarding - Do not Answer Destination [Maximum 24 digits (0-9, *, #)]

◆ When ASYD SYS1, Index 5, b0=0 and Index 79, b2=1 is assigned:

D/N: Day/Night Mode

- Day Mode
- Night Mode

TN: Tenant Number

SFC: Service Restriction Class [0-15]

Enter the Service Feature Restriction Class defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC in the range of 1 to 15.

CFAS: Call Forwarding - All Calls Destination for Stations [Maximum 24 digits (0-9, *, #)]

CFBS/CFDS: Call Forwarding - Busy/Do not Answer Destination for Stations [Maximum 24 digits (0-9, *, #)]

CFAT: Call Forwarding - All Calls Destination for Trunks [Maximum 24 digits (0-9, *, #)]

CFBT/CFDT: Call Forwarding - Busy/Do not Answer Destination for Trunks [Maximum 24 digits (0-9, *, #)]

◆ When ASYD SYS1, Index 5, b0=1 and Index 79, b2=1 is assigned:

D/N: Day/Night Mode

- Day Mode
- Night Mode

TN: Tenant Number

SFC: Service Restriction Class [0-15]

Enter the Service Feature Restriction Class defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC in the range of 1 to 15.

CFAS: Call Forwarding - All Calls Destination for Stations [Maximum 24 digits (0-9, *, #)]

CFBS: Call Forwarding - Busy Line Destination for Stations [Maximum 24 digits (0-9, *, #)]

CFDS: Call Forwarding - Do not Answer Destination for Stations [Maximum 24 digits (0-9, *, #)]

CFAT: Call Forwarding - All Calls Destination for Trunks [Maximum 24 digits (0-9, *, #)]

CFBT: Call Forwarding - Busy Line Destination for Trunks [Maximum 24 digits (0-9, *, #)]

CFDT: Call Forwarding - Do not Answer Destination for Trunks [Maximum 24 digits (0-9, *, #)]

4. Data Sheet

(a) TYPE=1 (ASYD SYS1, Index 5, b0 = 0 and Index 79, b2 = 0 is assigned);

DAY/NIGHT MODE (D/N)	TENANT NUMBER (TN)	SERVICE RESTRIC- TION CLASS (SFC) 0-15	CALL FORWARDING - ALL CALLS DESTINATION (CFAD) MAXIMUM 24 DIGITS [0-9, *, #]	CALL FORWARDING - BUSY/ DO NOT ANSWER DESTINATION (CFBD/CFDD) MAXIMUM 24 DIGITS [0-9, *, #]

(b) TYPE = 2 (ASYD SYS1, Index 5, b0 = 1 and Index 79, b2 = 0 is assigned);

DAY/NIGHT MODE (D/N)	TENANT NUMBER (TN)	SERVICE FEATURE RESTRICTION CLASS (SFC) 0-15			
CALL FORWARDING - ALL CALLS DESTINATION (CFAD) MAXIMUM 24 DIGITS [0-9, *, #]			CALL FORWARDING - BUSY LINE DESTINATION (CFBD) MAXIMUM 24 DIGITS [0-9, *, #]		CALL FORWARDING - DO NOT ANSWER DESTINATION (CFDD) MAXIMUM 24 DIGITS [0-9, *, #]
D/N	TN	SFC			
CFAD MAXIMUM 24 DIGITS [0-9, *, #]			CFBD MAXIMUM 24 DIGITS [0-9, *, #]		CFDD MAXIMUM 24 DIGITS [0-9, *, #]
D/N	TN	SFC			
CFAD MAXIMUM 24 DIGITS [0-9, *, #]			CFBD MAXIMUM 24 DIGITS [0-9, *, #]		CFDD MAXIMUM 24 DIGITS [0-9, *, #]
D/N	TN	SFC			
CFAD MAXIMUM 24 DIGITS [0-9, *, #]			CFBD MAXIMUM 24 DIGITS [0-9, *, #]		CFDD MAXIMUM 24 DIGITS [0-9, *, #]
D/N	TN	SFC			
CFAD MAXIMUM 24 DIGITS [0-9, *, #]			CFBD MAXIMUM 24 DIGITS [0-9, *, #]		CFDD MAXIMUM 24 DIGITS [0-9, *, #]

(c) TYPE=3 (ASYD SYS1, Index 5, b0 = 0 and Index 79, b2 = 1 is assigned);

DAY/NIGHT MODE (D/N)	TENANT NUMBER (TN)	SERVICE FEATURE RESTRICTION CLASS (SFC) 0-15	
CALL FORWARDING - ALL CALLS DESTINATION FOR STATIONS (CFAS) MAXIMUM 24 DIGITS [0-9, *, #]		CALL FORWARDING - BUSY/DO NOT ANSWER DESTINATION FOR STATIONS (CFBS/CFDS) MAXIMUM 24 DIGITS [0-9, *, #]	
CALL FORWARDING - ALL CALLS DESTINATION FOR TRUNKS (CFAT) MAXIMUM 24 DIGITS [0-9, *, #]		CALL FORWARDING - BUSY/DO NOT ANSWER DESTINATION FOR TRUNKS (CFBT/CFDT) MAXIMUM 24 DIGITS [0-9, *, #]	
D/N	TN	SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]		CFBS/CFDS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]		CFBT/CFDT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N	TN	SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]		CFBS/CFDS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]		CFBT/CFDT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N	TN	SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]		CFBS/CFDS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]		CFBT/CFDT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N	TN	SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]		CFBS/CFDS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]		CFBT/CFDT MAXIMUM 24 DIGITS [0-9, *, #]	

(d) TYPE=4 (ASYD SYS1, Index 5, b0 = 1 and Index 79, b2 = 1 is assigned);

DAY/NIGHT MODE (D/N)		TENANT NUM- BER (TN)		SERVICE FEATURE RESTRIC- TION CLASS (SFC) 0-15	
CALL FORWARDING - ALL CALLS DESTINATION FOR STATIONS (CFAS) MAXIMUM 24 DIGITS [0-9, *, #]				CALL FORWARDING - BUSY LINE DESTINATION FOR STATIONS (CFBS) MAXIMUM 24 DIGITS [0-9, *, #]	
CALL FORWARDING - ALL CALLS DESTINATION FOR TRUNKS (CFAT) MAXIMUM 24 DIGITS [0-9, *, #]				CALL FORWARDING - BUSY LINE DESTINATION FOR TRUNKS (CFBT) MAXIMUM 24 DIGITS [0-9, *, #]	
D/N		TN		SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]				CFBS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]				CFBT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N		TN		SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]				CFBS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]				CFBT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N		TN		SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]				CFBS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]				CFBT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N		TN		SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]				CFBS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]				CFBT MAXIMUM 24 DIGITS [0-9, *, #]	
D/N		TN		SFC	
CFAS MAXIMUM 24 DIGITS [0-9, *, #]				CFBS MAXIMUM 24 DIGITS [0-9, *, #]	
CFAT MAXIMUM 24 DIGITS [0-9, *, #]				CFBT MAXIMUM 24 DIGITS [0-9, *, #]	

ACFO: Assignment of Call Forwarding Data

1. General

This command assigns various Call Forwarding service data. The destinations of forwarded calls can be the Attendant Console, a station, or an outside party.

Note: This command assigns various Call Forwarding service data on a tenant basis until FP95-114 V4 Issue 1.0 and it is available to assign the data also on a route basis from FP95-114 V4 Issue 2.0.

2. Precautions

1. The parameter ADC displays only when designating “4” in the CF parameter. The Abbreviated Digit Codes (ADC) and the speed dial number are assigned by the ASPD command.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b1=1), assign TN parameter as data “1” for all tenants.
3. If a call destination forwarded by Call Forwarding - Busy Line (CF=1) is busy, busy services such as Station Hunting, UCD, Call Forwarding - Busy Line (CF=1), Call Forwarding - All Calls become invalid and a call is made to the destination terminal. The calling party hears a Busy Tone.
4. Station Number (STN) parameter is not assigned if the Call Forwarding Destination is an Attendant Console (CFI=ATT).
5. Call Forwarding - Busy Line (CF=1), Call Forwarding - Don't Answer (CF=2), Night Connection Outside (CF=4), Call Forwarding - Logout (CF=5) are available for calls terminating via a trunk. Call Forwarding - Logout (CF=5) is available for calls terminating via a station as well.
6. Call Forwarding - Intercept (CF=3) is only available for calls terminating via a trunk if the assigned destination of a forwarded call is a Station (CFI=STN).
7. Call Forwarding - Busy Line, Call Forwarding - Don't Answer, and Call Forwarding - Logout set by a station has priority over Call Forwarding services set by this command.
8. Busy line service set by Station Hunting - Terminal and UCD has priority over Busy Line services set by this command.
9. Call Forwarding - Intercept (CF=3) assigned by this command has priority over Call Forwarding - Intercept/Announcement [C-25].
10. The order of priority will be DM/LDM/NDM when Call Forwarding service is assigned (other Call Forwarding services assigned to data memory with low priority becomes invalid).
11. Call Forwarding - All Calls set by the Call Forwarding destination of Call Forwarding - Busy Line (CF=1) becomes invalid and a call is made to the station (Call Forwarding destination).
12. While a call is terminating to the Call Forwarding destination station of Call Forwarding - Don't Answer (CF=2), Call Forwarding - Don't Answer becomes invalid since the Call Forwarding destination is busy.

(in use) while No Answer Timer is Time Out. However, Call Forwarding - Busy Line (CF=1) is valid since Call Forwarding destination is considered busy (in use).

13. When you wish to change the ASYD, SYS1, Index 93, Bit 1 data setting, you have to delete all the existing data assigned with this command and assign the data again.

3. Data Entry Instructions

TN: Tenant Number

Note: Setting a destination on a route basis is available since FP95-114 V4 Issue 2.0. To set a destination on a route basis, specify the tenant number (a new tenant number) which is assigned to ARTI/ARTIN, CDN=112 (ACFO_TN).

CF: Call forwarding service

- 1: Call Forwarding - Busy Line
- 2: Call Forwarding - Don't Answer
- 3: Call Forwarding - Intercept
- 4: Night Connection Outside
- 5: Call Forwarding - Logout

CFI: Call forwarding destination

Attendant Console (ATT)

STN (Station)

STN: Station number

The STN parameter appears when STN is selected in the CFI parameter.

ADC: Abbreviated Digit Code [Maximum four digits]

The parameter ADC is displayed when data "Night Connection Outside" is selected in the CF parameter.

4. Data Sheet

TENANT NUMBER (TN)	CALL FORWARDING SERVICE (CF)	CALL FORWARDING DESTINATION AND STATION NUMBER		ABBREVIATED DIGIT CODE (ADC) 4 DIGITS	REMARKS
		(CFI) ATT/STN	(STN)		
	CF – Busy Line				
	CF – Don't Answer				
	CF – Intercept				
	Night Connection Outside				
	CF – Logout				
	CF – Busy Line				
	CF – Don't Answer				
	CF – Intercept				
	Night Connection Outside				
	CF – Logout				
	CF – Busy Line				
	CF – Don't Answer				
	CF – Intercept				
	Night Connection Outside				
	CF – Logout				
	CF – Busy Line				
	CF – Don't Answer				
	CF – Intercept				
	Night Connection Outside				
	CF – Logout				
	CF – Busy Line				
	CF – Don't Answer				
	CF – Intercept				
	Night Connection Outside				
	CF – Logout				
	CF – Busy Line				
	CF – Don't Answer				
	CF – Intercept				
	Night Connection Outside				
	CF – Logout				

ACFOL: Assignment of Call Forwarding Data for LDM

1. General

This command is used to assign various Call Forwarding service data. The destination of forwarded calls can be the Attendant Console, a station, or an outside party. The destination station is designated by the Telephone Number previously assigned by the ALGSL command. This data is written in the Local Data Memory (LDM) of each node.

Note: This command assigns various Call Forwarding service data on a tenant basis until FP95-114 V4 Issue 1.0 but it is available to assign the data also on a route basis from FP95-114 V4 Issue 2.0.

2. Precautions

1. The parameter ADC is required only when Night Connection Outside (CF=4) is selected in CF parameter. The Abbreviated Digit Codes (ADC) and the Speed Dial number are assigned by the ASPD command.
2. If a call is forwarded by Call Forwarding-Busy Line (CF=1) to the destination, busy service such as Station Hunting, UCD, CF-Busy Line is invalid at the destination even if the terminal is busy.
3. It is possible to assign one Call Forwarding service per system such as Call Forwarding - Busy Line (CF=1), Call Forwarding - Don't Answer (CF=2), Call Forwarding - Intercept (CF=3), Night Connection Outside (CF=4), Call Forwarding - Logout (CF=5).
4. Call Forwarding - Busy Line (CF=1), Call Forwarding - Don't Answer (CF=2), Night Connection Outside (CF=4), Call Forwarding - Logout (CF=5) are available for calls terminating via a trunk. Call Forwarding - Logout (CF=5) is available for calls terminating via a station as well.
5. Call Forwarding - Intercept (CF=3) is only available for calls terminating via a trunk if the Call Forwarding destination is a Station (CFI=STN).
6. Call Forwarding - Busy Line, Call Forwarding - Don't Answer, and Call Forwarding - Logout set by a station has priority over Call Forwarding services set by this command.
7. Busy line services set by Station Hunting - Terminal or UCD has priority over Busy Line services set by this command.
8. Call Forwarding - Intercept (CF=3) assigned by this command has priority over Call Forwarding - Intercept/Announcement [C-25].
9. The order of priority for Call Forwarding services will be DM/LDM/NDM (other Call Forwarding services assigned to data memory with low priority becomes invalid).
10. It is unnecessary to assign the Call Forwarding Destination's UGN or TELN if the Call Forwarding Destination is an Attendant Console (CFI=ATT).
11. If a call destination forwarded by Call Forwarding - Busy Line (CF=1) is busy, busy services such as Station Hunting, UCD, Call Forwarding - Busy Line (CF=1), Call Forwarding - All Calls become invalid and a call is made to the destination terminal. The calling party hears a Busy Tone.

12. Call Forwarding - All Calls set by the Call Forwarding destination station of Call Forwarding - Busy Line (CF=1) becomes invalid and a call is made to the Call Forwarding destination station.
13. While a call is terminating to the Call Forwarding destination station of Call Forwarding - Don't Answer (CF=2), Call Forwarding - Don't Answer becomes invalid since the Call Forwarding destination is busy (in use) while No Answer Timer is Time Out. However, Call Forwarding - Busy Line (CF=1) is valid since Call Forwarding destination is considered busy (in use).
14. Do not set an abbreviated code for Abbreviated Digit Code (ADC) assigned by ASPD command as the forwarding destination of CF = Call Forwarding-Incomplete Number.
15. Do not set monitored number as the forwarding destination of CF = Call Forwarding - Intercept.
16. Telephone Number (TELN) assignment in LDM is required for forwarding station number and monitored number.
17. Announcement equipment is not available for connection from CF = Call Forwarding - Incomplete Number.

3. Data Entry Instructions

TN: Tenant Number [1-63]

Note: Setting a destination on a route basis is available since FP95-114 V4 Issue 2.0. To set a destination on a route basis, specify the tenant number (a new tenant number) which is assigned to ARTI/ARTIN, CDN=112 (ACFO_TN).

UGN: User Group Number

Enter the User Group Number of a forwarded destination of call.

CF: Call forwarding service

Select the type of call forwarding service.

- 1: Call Forwarding - Busy Line
- 2: Call Forwarding - Don't Answer
- 3: Call Forwarding - Intercept
- 4: Night Connection Outside
- 5: Call Forwarding - Logout
- 6: Call Forwarding - Incomplete Number

CFI: Call forwarding destination

- Attendant Console (ATT)
- TELN

- Monitor

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of destination station where the call will be forwarded. This parameter appears when TELN is selected in CFI parameter.

ADC: Abbreviated Digit Code [Maximum four digits]

Enter the ADC to the forwarding destination when CF = Night Connection Outside is selected.

L_MNO: Monitor Number [Maximum six digits (0-9, *, #)]

Enter the monitor number of the forwarding destination.

4. Data Sheet

TENAN T NUM- BER (TN)	USER GROUP NUM- BER (UGN)	CALL FORWARDING SERVICE (CF)	CALL FORWARDING DESTINATION		ABBREVI- ATED DIGIT CODE (ADC) MAXIMUM 4 DIGITS	MONI- TORED NUM- BER (N_MNO) Note 1
			CFI	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS		
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				

TENANT NUMBER (TN)	USER GROUP NUMBER (UGN)	CALL FORWARDING SERVICE (CF)	CALL FORWARDING DESTINATION		ABBREVIATED DIGIT CODE (ADC) MAXIMUM 4 DIGITS	MONITORED NUMBER (N_MNO) Note 1
			CFI	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS		
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				
		CF - Busy Line				
		CF - Don't Answer				
		CF - Intercept				
		Night Connection Outside				
		CF - Logout				
		CF - Incomplete Number				

Note 1: L_MNO is available when CFI = Monitor is assigned.

ACFON: Assignment of Call Forwarding Data for NDM

1. General

This command is used to assign various Call Forwarding service data system-wide via FCCS link. The destinations of forwarded calls can be the Attendant Console, a station, or an outside party. The destination station is designated by the Telephone Number previously assigned by the ALGSN command. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

Note: This command assigns various Call Forwarding service data on a tenant basis until FP95-114 V4 Issue 1.0 but it is available to assign the data also on a route basis from FP95-114 V4 Issue 2.0.

2. Precautions

1. The parameter ADC is required only when Night Connection Outside (CF=4) is selected in CF parameter. The Abbreviated Digit Codes (ADC) and the Speed Dial number are assigned by the ASPD command.
2. If a call is forwarded by Call Forwarding-Busy Line (CF=1) to the destination, busy service such as Station Hunting, UCD, CF-Busy Line is invalid at the destination even if the terminal is busy.
3. It is possible to assign one Call Forwarding service per system such as Call Forwarding - Busy Line (CF=1), Call Forwarding - Don't Answer (CF=2), Call Forwarding - Intercept (CF=3), Night Connection Outside (CF=4), Call Forwarding - Logout (CF=5), Call Forwarding - Not Reach (CF=7).
4. Call Forwarding - Busy Line (CF=1), Call Forwarding - Don't Answer (CF=2), Night Connection Outside (CF=4), Call Forwarding - Logout (CF=5) and Call Forwarding - Not Reach (CF=7) are available for calls terminating via a trunk. Call Forwarding - Logout (CF=5) and Call Forwarding - Not Reach (CF=7) are available for calls terminating via a station as well.
5. Call Forwarding - Intercept (CF=3) is only available for calls terminating via a trunk if the Call Forwarding destination is a Station (CFI=STN).
6. Call Forwarding - Busy Line, Call Forwarding - Don't Answer, Call Forwarding - Logout, and Call Forwarding - PS Incoming Incomplete set on a station has priority over Call Forwarding services set with this command.
7. Busy line services set by Station Hunting - Terminal or UCD has priority over Busy Line services set by this command.
8. Call Forwarding - Intercept (CF=3) assigned by this command has priority over Call Forwarding - Intercept/Announcement [C-25].
9. The order of priority for Call Forwarding services will be DM/LDM/NDM (other Call Forwarding services assigned to data memory with low priority becomes invalid).
10. It is unnecessary to assign the Call Forwarding Destination's UGN or TELN if the Call Forwarding Destination is an Attendant Console (CFI=ATT).

11. If a call destination forwarded by Call Forwarding - Busy Line (CF=1) is busy, busy services such as Station Hunting, UCD, Call Forwarding - Busy Line (CF=1), Call Forwarding - All Calls become invalid and a call is made to the destination terminal. The calling party hears a Busy Tone.
12. Call Forwarding - All Calls set by the Call Forwarding destination station of Call Forwarding - Busy Line (CF=1) becomes invalid and a call is made to the Call Forwarding destination station.
13. While a call is terminating to the Call Forwarding destination station of Call Forwarding - Don't Answer (CF=2), Call Forwarding - Don't Answer becomes invalid since the Call Forwarding destination is busy (in use) while No Answer Timer is Time Out. However, Call Forwarding - Busy Line (CF=1) is valid since Call Forwarding destination is considered busy (in use).
14. Do not set an abbreviated code for Abbreviated Digit Code (ADC) assigned by ASPD command as the forwarding destination of CF = Call Forwarding-Incomplete Number.
15. Do not set monitored number as the forwarding destination of CF = Call Forwarding - Intercept.
16. Announcement equipment is not available for connection from CF = Call Forwarding - Incomplete Number.
17. Setting Call Forwarding - PS Incoming Incomplete with this command overrides the setting of Automatic Announcement - Called PS Out of Zone [A-129]. **Note 1**

Note 1: Call Forwarding - PS Incoming Incomplete can also be set with the ACFON command.

3. Data Entry Instructions

TN: Tenant Number [1-63]

Note: Setting a destination on a route basis is available since FP95-114 V4 Issue 2.0. To set a destination on a route basis, specify the tenant number (a new tenant number) which is assigned to ARTI/ARTIN, CDN=112 (ACFO_TN).

UGN: User Group Number

Enter the User Group Number of a forwarded destination of call.

CF: Call forwarding service

Select the type of Call Forwarding service.

- 1: Call Forwarding - Busy Line
- 2: Call Forwarding - Don't Answer
- 3: Call Forwarding - Intercept
- 4: Night Connection Outside
- 5: Call Forwarding - Logout
- 6: Call Forwarding - Incomplete Number
- 7: Call Forwarding - Not Reach

CFI: Call forwarding destination

- Attendant Console (ATT)
- TELN
- Monitor

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the destination station where the call will be forwarded. This parameter appears when TELN is selected in CFI parameter.

ADC: Abbreviated Digit Code [Maximum four digits]

Enter the ADC to the forwarding destination when CF = Night Connection Outside is selected.

N_MNO: Monitor Number [Maximum six digits (0-9, *, #)]

Enter the monitor number of the forwarding destination.

4. Data Sheet

TENAN T NUM- BER (TN)	USER GROUP NUM- BER (UGN)	CALL FORWARDING SERVICE (CF)	CALL FORWARDING DESTINATION		ABBRE- VIATED DIGIT CODE (ADC) MAXI- MUM 4 DIGITS	MONI- TORED NUM- BER (N_MNO) Note 1
			CFI	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS		
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TENAN T NUM- BER (TN)	USER GROUP NUM- BER (UGN)	CALL FORWARDING SERVICE (CF)	CALL FORWARDING DESTINATION		ABBRE- VIATED DIGIT CODE (ADC) MAXI- MUM 4 DIGITS	MONI- TORED NUM- BER (N_MNO) Note 1
			CFI	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
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				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		

Note 1: N_MNO is available when CFI = Monitor is assigned.

ACFR: Assignment of Call Forwarding Restriction

1. General

This command assigns various kinds of trunk Call Forwarding restriction data on a tenant basis.

2. Precautions

The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b5=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number

TSFI: Transfer Service Feature Index [1-15]

1=Call Forwarding (-All Calls/-Don't Answer/-Busy Line/Unused Number/Dead Level)

2=Direct in Termination (Night only)

3=Direct in Termination (Day and Night)

4=Direct Inward Dialing (DID)

5=TAS

6=Night ATT

7=Remote Access to System

8-14=Not used

15=CAS Line connection (Satellite)

CCI: Call Category Index [0-15]

0=Attendant Call

1=LDN (C.O. line)

2=FX

3=WATS

4=Tie Line

5=CCSA

6=Recall

7=Call Forwarding-Busy Line

8=Call Forwarding-Don't Answer

9=Not used

10=Special common Battery

11=Inter Position Transfer

12=Priority call

13=Off Hook Alarm

14=CAS (Main)

15=Not used

RES: Restriction Data [0/1]

Restriction Data is assigned in the squares where CCIS and TSFI cross.

0=Transfer service is restricted.

1=Transfer service is allowed.

4. Data Sheet

TENANT NUMBER (TN)	TRANSFER SERVICE FEATURE INDEX (TSFI) 1 – 15	CALL CATEGORY INDEX (CCI) 0 – 15															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																

ACFRN: Assignment of Call Forwarding Restriction for NDM

1. General

This command assigns various kinds of trunk Call Forwarding restriction data on a tenant basis.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
2. If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b5=1), assign TN parameter as data “1” for all tenants.
3. If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b4=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number

TSFI: Transfer Service Feature Index [1-15]

1=Call Forwarding (-All Calls/-Don't Answer/-Busy Line/Unused Number/Dead Level)

2=Direct in Termination (Night only)

3=Direct in Termination (Day and Night)

4=Direct Inward Dialing (DID)

5=TAS

6=Night ATT

7=Remote Access to System

8-14=Not used

15=CAS Line connection (Satellite)

CCI: Call Category Index [0-15]

0=Attendant Call

1=LDN (C.O. line)

2=FX

3=WATS

4=Tie Line

5=CCSA

6=Recall

7=Call Forwarding-Busy Line

8=Call Forwarding-Don't Answer

9=Not used

10=Special common Battery

11=Inter Position Transfer

12=Priority call

13=Off Hook Alarm

14=CAS (Main)

15=Not used

RES: Restriction Data [0/1]

Restriction Data is assigned in the squares where CCIS and TSFI cross.

0=Transfer service is restricted.

1=Transfer service is allowed.

4. Data Sheet

TENANT NUMBER (TN)	TRANSFER SERVICE FEATURE INDEX (TSFI) 1 – 15	CALL CATEGORY INDEX (CCI) 0 – 15															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																

ACFS: Assignment of Call Forwarding Station Data

1. General

This command is used to set the Call Forwarding - All Calls/Busy Line/Don't Answer/Logout, and further the Split Call Forwarding Services.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
2. Parameters RCV can be assigned when ASYD, SYS1, Index 79, b2=1 (Split Call Forwarding is In Service), and data "2 (Split Call Forwarding)" is assigned at the TYPE parameter.
3. For the System using Least Cost Routing for MG-PRI [L-54]:
If the forwarding destination is set for a PS by using this command, the MA-ID = 0000 routing is automatically applied to that intermediate PS. When the forwarding destination is an outside line, the outgoing route selection pattern and maximum necessary digit code must be assigned for MA-ID = 0000.
4. When Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), Call Forwarding Destination Number (CFD/STATUS) needs to be assigned with a Telephone Number.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number

TYPE: Call forwarding type [1/2]

1: Call Forwarding

2: Split Call Forwarding

SRV: Call forwarding kind [V/B/D/N/L]

V: All Calls

B: Busy Line

D: Don't Answer

N: Not Reach

L: Log Out

(Available for IP station only.)

RCV: Kind of Received Call [T/S]

When "TYPE = Split Call Forwarding" is chosen, select the kind of received call.

T: Trunk

S: Station

CFD/STATUS: Call forwarding destination number [Maximum 24 digits]

4. Data Sheet

[illegible]

ACFS_T: Assignment of Call Forwarding Station Data – Telephone Number

1. General

This command is used to set the Call Forwarding - All Calls/Busy Line/Don't Answer/Logout, and further the Split Call Forwarding Services for each station. The station data of ACFS command can be assigned by using Telephone Number instead.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. Logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
4. The RCV parameter can be assigned when ASYD, SYS1, Index 79, b2=1 (Split Call Forwarding is In Service), and Split Call Forwarding are selected in TYPE parameter.
5. For the System using Least Cost Routing for MG-PRI [L-54]:
If the forwarding destination is set for a PS by using this command, the MA-ID = 0000 routing is automatically applied to that intermediate PS. When the forwarding destination is an outside line, the outgoing route selection pattern and maximum necessary digit code must be assigned for MA-ID = 0000.
6. When Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), Call Forwarding Destination Number (CFD/STATUS) needs to be assigned with a Telephone Number.

3. Data Entry Instructions

UGN: User Group Number

Enter the User Group Number of which a call is forwarded from.

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the station to which this service is assigned.

Note: The FPC, TN, and STN fields in this command are display fields only.

TYPE: Call Forwarding Type

Select the type of Call Forwarding.

1: Call Forwarding

2: Split Call Forwarding

SRV: Call Forwarding Kind

Select the kind of Call Forwarding.

V: All Calls

B: Busy Line

D: Don't Answer

N: Not Reach

L: Log Out
(Available for IP station only.)

RCV: Kind of Received Call

When "Type = Split Call Forwarding" is entered, select the kind of received call.

T: Trunk

S: Station

CFD: Call Forwarding Destination Number [Maximum 24 digits]

Enter the call forwarding destination number within 24 digits.

Note: The existing data is displayed by pressing the GET button after UGN, TELN, and TYPE is entered.

4. Data Sheet

[illegible]

ACIC1: Assignment of CIC Code Data 1

1. General

This command is used for CCIS and/or ISDN data programming, and is assigned in the Common Channel Signaling Controller Group (CSCG) for a Destination Point Code (PC).

2. Precautions

1. ACIC2 command assignment is also required for CCIS, and the PC parameter is an intermediate of those two commands.
2. ACIC2 command is not required for ISDN.
3. The PC parameter should correspond to the data assigned by the ADPC command.
4. The CSCG parameter should correspond to the one assigned by the ACSC command.
5. When this command is used for CCIS, all Point Codes (PC) within the network (except the Originating Point Code) should be assigned.

3. Data Entry Instructions

PC: Determinate Point Code [1-16383]

Destination's Point Code assigned by the ADPC command and the final destination's Point Code in CCIS Network.

CSCG: Common Channel Signaling Controller Group Number [2-255]

Assign any even number ranging from 2 to 255 (except 128 and 129).

ACIC1N: Assignment of CIC Code Data 1 for NDM

1. General

This command is used for CCIS data programming within FCCS-CCIS incorporating network to establish the relation between the Common Channel Signaling Controller Group (CSCG) and the Destination Point Code (PC). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM of each Local Node (LN).

2. Precautions

1. ACIC2 command assignment is also required for CCIS, and the PC parameter is an intermediate of those two commands.
2. The PC parameter should correspond to the data assigned by the ADPCN command.
3. The CSCG parameter should correspond to the one assigned by the ACSCN command.
4. When this command is used for CCIS, all Point Codes (PC) within the network (except the PC of self node) should be assigned.
5. The existing CCIS/ISDN data in DM turns invalid when the CCIS link data is assigned by this ACIC1 (NDM) command.

3. Data Entry Instructions

PC: Determinate Point Code [1-16383]

Destination's Point Code assigned by the ADPCN command and the final destination's Point Code in CCIS Network.

CSCG: Common Channel Signaling Controller Group Number [2-255]

Enter even number CSCG of Basic Route assigned by the ACSCN command with a range of 2 to 255 (except 128 and 129).

Note: Odd number CSCG for Alternate Route is not required.

4. Data Sheet

[illegible]

ACIC2: Assignment of CIC Code Data 2

1. General

This command is used for CCIS data programming, and is assigned the Circuit Identification Code (CIC) and LENS (of the speech channel of the CCIS link) for the Destination Point Code (PC).

2. Precautions

1. A unique CIC number should be given for each speech channel (that is assigned by the ATRK command) of the CCIS link.
2. The CIC number assigned by this command must correspond to the one assigned in the direct facing node in the CCIS network.
3. The ACIC2 command is not required for ISDN interface.

3. Data Entry Instructions

PC: Determinate Point Code [1-16383]

Destination Point Code assigned by the ADPC/ACIC1 command.

CIC: Circuit Identification Code [1-999]

Assign unique CIC for all speech channel.

LENS: Line Equipment Numbers

Assign LENS of speech channel.

4. Data Sheet

[illegible]

ACIC3L: Assignment of CIC Code Data 3 for LDM

1. General

This command is used to establish the relation between the destination/self Point Code (PC) and the Common Channel Signaling Controller Group (CSCG) for CCIS data programming within CCIS over IP network (Point-to-Multipoint configuration) using both IPTRK and Internal PHC in a system. The data is written in the Local Data Memory (LDM).

2. Precautions

1. ACIC4L command assignment is also required for CCIS over IP, and the parameter PC is an intermediate of those two commands.
2. The parameter PC should correspond to the data assigned by the ADPC command.
3. The parameter CSCG should correspond to the one assigned by the ACSC2L command.
4. When this command is used for CCIS over IP connection, CSCG must be designated to the PCs of all the nodes within the network (both for self-node and destination nodes).

3. Data Entry Instructions

PC: Determinate Point Code [1-16383]

Assign the Point Code assigned by the ADPC command, Point Code of self-node, and all the destination nodes in the CCIS over IP network.

CSCG: Common Channel Signaling Controller Group Number [2-255]

Assign any even number in the 2 to 255 (except 128 and 129) range. The same CSCG number is designated to the self-PC and destination PCs. This data should correspond to the CSCG assigned by the ACSC2L command.

4. Data Sheet

[illegible]

ACIC3N: Assignment of CIC Code Data 3 for NDM

1. General

This command is used to establish the relation between the destination/self Point Code (PC) and the Common Channel Signaling Controller Group (CSCG) for CCIS over IP (Point-to-Multipoint configuration, using both IPTRK and Internal PHC in a system) connected node within FCCS network. The data assigned by this command is written in the Network Data Memory (NDM) or the Network Control Node (NCN), updating the NDM of each Local Node (LN).

2. Precautions

1. ACIC4L command assignment is also required for CCIS over IP, and the parameter PC is an intermediate of those two commands.
2. The parameter PC should correspond to the data assigned by the ADPCN command.
3. The parameter CSCG should correspond to the data assigned by the ACSC2N command. Assignment error occurs if the entered CSCG has not been assigned by the ACSC2N command.
4. When this command is used for CCIS over IP network, CSCG must be designated to the PCs of all the nodes within the network (both for self-node and destination nodes).

3. Data Entry Instructions

PC: Determinate Point Code [1-16383]

Assign the Point Code assigned by the ADPCN command, Point Code of self-node, and all the destination nodes in the CCIS over IP network.

CSCG: Common Channel Signaling Controller Group Number [2-255]

Assign any even number with a range from 2 to 255 (except 128 and 129). The same CSCG number is designated to the self-PC and destination PCs. This data should correspond to the CSCG assigned by the ACSC2N command.

4. Data Sheet

[illegible]

ACIC4L: Assignment of CIC Code Data 4 for LDM

1. General

This command is used for CCIS data programming, establishing the connection between the Circuit Identification Code (CIC), LENS of speech channel, and the Point Code (PC) of self-node for CCIS link within the CCIS over IP network (Point-to-Multipoint configuration) using both Internal PHC and the IPTRK cards in a system. The data assigned in this command is written in Local Data Memory (LDM).

2. Precautions

1. A unique CIC number should be given to each Bch of the virtual trunk (that is assigned by the ATRK command) for the CCIS link.

3. Data Entry Instructions

PC: Determinate Point Code [1-16383]

Enter the Point Code of the self-node assigned by the ADPC and ACIC3L command.

CIC: Circuit Identification Code [1-4095]

Designate a unique CIC to all the B-Channels of the virtual trunk.

LENS: Line Equipment Numbers [MG, U, G, Lv]

Enter the LENS of the PHC (virtual B-Channel).

4. Data Sheet

[illegible]

ACID: Assignment of Caller ID Data

1. General

This command assigns calling number data for the following services:

- Call Block
- Distinctive Ringing - Caller ID
- Representation Name

2. Precautions

A maximum of 12 calling numbers can be assigned to a single station.

3. Data Entry Instructions

◆ When TYPE=1 (Transfer, Incoming Permission Denial) is assigned:

TYPE: Input kind [1-3]

1=Transfer, Incoming Permission Denial

TN: Tenant Number

STN: Station Number [Maximum six digits]

CID: Calling ID Number [Maximum 28 digits]

SRV1: Service Kind 1

1=Call Forwarding All Calls

2=Call Forwarding Busy Line

3=Call Forwarding Don't Answer

4=Incoming Permission

5=Call Block

6=Distinctive Ringing - Caller ID

CFI: Call Forwarding Index [1-3]

1=Attendant Console

2=Station

3=Outside

CFI TN: Tenant Number for Call Forwarding

This parameter appears when CFI=2.

CFI STN: Station Number for Call Forwarding

This parameter appears when CFI=2.

ADC: Abbreviated Digit Code for Call Forwarding [Four digits]

This parameter appears when CFI=3.

RGP: Ringer Pattern [0/1/5/6/7]

This parameter appears when SRV1 = 6.

◆ When TYPE=2 (Dial-in, C.O Connect Restriction) is assigned:

TYPE: Input Kind [1-3]

2=Dial-in, C.O Connect Restriction

IC RT: Incoming External Route Number [1-255]

D/N: Day/Night Mode

Day Mode

Night Mode

CID: Calling ID Number [Maximum 28 digits]

SRV2: Service Kind 2 [1/2]

1=Dial in

2=C.O Connection Restriction

CFI: Call Forwarding Index [1-3]

1=Attendant Console

2=Station

3=Outside

CFI TN: Tenant Number for Call Forwarding

This parameter appears when CFI=2.

CFI STN: Station Number for Call Forwarding

This parameter appears when CFI=2.

ADC: Abbreviated Digit Code for Call Forwarding [Four digits]

This parameter appears when CFI=3.

◆ When TYPE=3 (Representation Name) is assigned:

TYPE: Input Kind [1-3]

3=Representation Name

CID: Calling ID Number [Maximum 28 digits]

SRV3: Service Kind 3

1=Representation Name

NAME: Representation Name [Maximum 24 digits]

Enter the desired name against the calling number (CID).

4. Data Sheet

(a) When TYPE = 1 (Transfer, Incoming Permission Denial) is assigned

TN	STATION NUMBER (STN) MAXIMUM 6 DIGITS	CALLING ID NUMBER (CID)																							
SERVICE KIND 1 (SRV1)	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)	STATION NUMBER FOR CALL FORWARDING (CFI STN)	ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS				RINGER PATTERN (RGP) 0/1/5/6/7																	
TN	STATION NUMBER (STN) MAXIMUM 6 DIGITS	CALLING ID NUMBER (CID)																							
SERVICE KIND 1 (SRV1)	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)	STATION NUMBER FOR CALL FORWARDING (CFI STN)	ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS				RINGER PATTERN (RGP) 0/1/5/6/7																	
TN	STATION NUMBER (STN) MAXIMUM 6 DIGITS	CALLING ID NUMBER (CID)																							
SERVICE KIND 1 (SRV1)	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)	STATION NUMBER FOR CALL FORWARDING (CFI STN)	ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS				RINGER PATTERN (RGP) 0/1/5/6/7																	
TN	STATION NUMBER (STN) MAXIMUM 6 DIGITS	CALLING ID NUMBER (CID)																							
SERVICE KIND 1 (SRV1)	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)	STATION NUMBER FOR CALL FORWARDING (CFI STN)	ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS				RINGER PATTERN (RGP) 0/1/5/6/7																	
TN	STATION NUMBER (STN) MAXIMUM 6 DIGITS	CALLING ID NUMBER (CID)																							
SERVICE KIND 1 (SRV1)	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)	STATION NUMBER FOR CALL FORWARDING (CFI STN)	ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS				RINGER PATTERN (RGP) 0/1/5/6/7																	

(b) When TYPE = 2 (Dial-in, C.O Connect Restriction) is assigned

IC RT	DAY/NIGHT MODE (D/N)	CALLING ID NUMBER (CID)																			
SERVICE KIND 2 (SRV2) 1/2	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)					STATION NUMBER FOR CALL FORWARDING (CFI STN)					ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS									
IC RT	DAY/NIGHT MODE (D/N)	CALLING ID NUMBER (CID)																			
SERVICE KIND 2 (SRV2) 1/2	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)					STATION NUMBER FOR CALL FORWARDING (CFI STN)					ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS									
IC RT	DAY/NIGHT MODE (D/N)	CALLING ID NUMBER (CID)																			
SERVICE KIND 2 (SRV2) 1/2	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)					STATION NUMBER FOR CALL FORWARDING (CFI STN)					ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS									
IC RT	DAY/NIGHT MODE (D/N)	CALLING ID NUMBER (CID)																			
SERVICE KIND 2 (SRV2) 1/2	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)					STATION NUMBER FOR CALL FORWARDING (CFI STN)					ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS									
IC RT	DAY/NIGHT MODE (D/N)	CALLING ID NUMBER (CID)																			
SERVICE KIND 2 (SRV2) 1/2	CALL FORWARDING INDEX (CFI) 1-3	TENANT NUMBER FOR CALL FORWARDING (CFI TN)					STATION NUMBER FOR CALL FORWARDING (CFI STN)					ABBREVIATED DIGIT CODE FOR CALL FORWARDING (ADC) 4 DIGITS									

(c) When TYPE = 3 (Representation Name) is assigned

SERVICE KIND 3 (SRV3)	CALLING ID NUMBER (CID)																							
	REPRESENTATION NAME (NAME) 24 DIGITS AT MAXIMUM																							
1																								
SERVICE KIND 3 (SRV3)	CALLING ID NUMBER (CID)																							
	REPRESENTATION NAME (NAME) 24 DIGITS AT MAXIMUM																							
1																								
SERVICE KIND 3 (SRV3)	CALLING ID NUMBER (CID)																							
	REPRESENTATION NAME (NAME) 24 DIGITS AT MAXIMUM																							
1																								
SERVICE KIND 3 (SRV3)	CALLING ID NUMBER (CID)																							
	REPRESENTATION NAME (NAME) 24 DIGITS AT MAXIMUM																							
1																								
SERVICE KIND 3 (SRV3)	CALLING ID NUMBER (CID)																							
	REPRESENTATION NAME (NAME) 24 DIGITS AT MAXIMUM																							
1																								

ACLFL: Assignment of Call Log Filter for LDM

1. General

This command is used to assign/delete the filter for Call Log collection.

2. Precautions

1. This command is available since FP95-114 V4.
2. NCN is registered to self office or other office. LN is registered to self office only.
3. When data is registered to other node by NCN, the data is saved on LDM of the specified node.
4. When Call Log Filter is enabled, the output log by the EVLOG command is also filtered.
5. The following settings of this command are applied at the same time to the system data (ASYDL command).

Parameters of ACLFL	Reflected parameters of ASYDL Note 1	Remarks
Call Log Collect	SYS1, Index 996, Bit 0	Speech Log Collection: Stop/Start
Output Call Log to SNMP	SYS1, Index 996, Bit 1	Speech Log Output for SNMP: Output/Not output
RTP Warning Tone	SYS1, Index 996, Bit 6	RTP Warning Tone Filter: Off/On
Received RTP Packet Loss	SYS1, Index 996, Bit 7	Received RTP Packet Loss Filter: Off/On
Threshold	SYS1, Index 1000	Threshold value of Received RTP Packet Loss

Note 1: Do not register these settings by using the ASYDL command directly.

6. For Station Filter Setting, specify the station number to collect Call Log. The number of assigned stations has no limitation.

3. Data Entry Instructions

FPC [1 to 253]

Input the Fusion Point Code of the target node.

Note: This parameter is displayed only when logging in to NCN.

Setting Kind

Common Setting

Station Filter Setting

<When selecting “Common Setting”>

Select the “Common Setting” on the “Setting Kind” and click the “Get” button, the following parameters are displayed.

Call Log Collect: Select Stop or Start for Call Log collection.

Stop

Start

Output Call Log to SNMP

Checked : Output

Unchecked : Not output

Fault Kind

RTP Warning Tone: Output Call Log by RTP warning tone.

Checked : RTP warning tone is generated regardless of the Station Filter Setting.

Unchecked : Not output

Received RTP Packet Loss: Call Log of Received RTP Packet loss times equal or exceeding the specified threshold is outputted in spite of Station Filter Setting.

Checked : Output only when received RTP packet loss count is greater than or equal to threshold value.

Unchecked : Not output

Threshold [1 to 255]: Threshold value of received RTP packet loss count.

Note: This parameter is available when the “Received RTP Packet Loss” check box is chosen.

<When selecting “Station Filter Setting”>

Select the “Station Filter Setting” on the “Setting Kind” and click the “Get” button, the following parameters are displayed.

Station Number Type

TELN(NDM): Telephone number (NDM)

TELN(LDM): Telephone number (LDM)

STN: Station number

[When selecting “TELN(NDM)” or “TELN(LDM)”]

UGN (START/END) [1 to 255]: Specify the range of user group number.

TELN (START/END) [0 to 9,*, #: Maximum 16 digits]

: Specify the range of telephone number. **Note 1**

Note 1: The number of digits must be the same on “START” and “END” of “TELN.”

[When selecting “STN”]

TN (START/END) [1 to (Note 2)]: Specify the range of tenant.

STN (START/END) [0 to 9,*, #: Maximum six digits (Note 2)]

: Specify the range of station number.

Note 2: Depending on the system data of the node that specified “FPC.”

Station Data List

All Filter Setting: When placing a check mark on this check box, all of the obtained data is selected as the filter target. When this check box is cleared, all marks on the “Setting” are cleared.

Filter Setting Count: The number of stations that is set to enable on the “Filter.”

Station Data Count: The number of all of the target stations.

CSV File Output: Output the obtained data in CSV format.

Setting: To select the check box of the target station for filtering.

UGN: User group number **Note 3**

TELN: Telephone number **Note 3**

TN: Tenant number **Note 4**

STN: Station number **Note 4**

LENS: Line Equipment Numbers information

EN: Equipment number

Filter [ON/OFF]: Output call log of each station number or telephone number.

ON : Output call log

OFF : Not output

Result [OK/NG]: Processing result of writing or deleting. **Note 5**

Note 3: This parameter is displayed when selecting “TELN(NDM)” or “TELN(LDM)” in “Station Number Type.”

Note 4: This parameter is displayed when selecting “STN” in “Station Number Type.”

Note 5: When the processing result of writing or deleting is “OK”, “Filter” is updated by the same value of “Setting.”

4. Data Sheet

FPC		Call Log Collect	Stop / Start	Output Call Log to SNMP		OFF / ON	
Common Setting							
Call Log Collect			Stop / Start	Output Call Log to SNMP			OFF / ON
Fault Kind							
RTP Warning Tone		OFF / ON	Received RTP Packet Loss		OFF / ON	Threshold	
Station Filter Setting							
Station Number Type			TELN(NDM) / TELN(LDM) /STN				
UGN		TELN		TN		STN	
START	END	START	END	START	END	START	END

ACMO: Assignment of Clocked Manual Override

1. General

This command assigns the Clocked Manual Override data, that is used for changing routes during a specific day and specific time period, such as a holiday (Month/Day/Hour/Minute).

2. Precautions

1. The BLOCK parameter is a data Index (0-7). A maximum of eight kinds of Clocked Manual Override data can be assigned.
2. The PTN parameter corresponds to the TDPTN parameter assigned by the AOPR/ASDC command.
3. The Clocked Manual Override data assigned by ACMO command has priority over the Time Pattern data assigned by the ATCP command.
4. Time is designated in Military Time. 24 cannot be used as Hour designation.
5. A single set of Pattern Number (PTN) and START/END date and time is assigned to a BLOCK Number. Also the same PTN can be specified to multiple Block numbers.
6. PTN=0 is also used in default setting (in unspecified time period). The assignment PTN=0 means nothing in this command.

3. Data Entry Instructions

BLOCK: Block Number [0-7]

Enter a block number for a Clock Manual Override data.

PTN: Pattern Number [0-7]

Pattern number assigned by the AOPR/AOPRL/ASDC command.

START: Start Date, Time

DATE: Month/Day (For example: 09/20=September 20)

TIME: Hour/Minute

END: End Date, Time

DATE: Month/Day (For example: 09/20=September 20)

TIME: Hour/Minute

4. Data Sheet

BLOCK NUMBER (BLOCK) 0 – 7	PATTERN NUMBER (PTN) 0 – 7	START		END		REMARKS
		DATE	TIME	DATE	TIME	
		/	/	/	/	
		/	/	/	/	
		/	/	/	/	
		/	/	/	/	
		/	/	/	/	
		/	/	/	/	
		/	/	/	/	
		/	/	/	/	

ACNAL: Assignment of Calling Number Pattern Data per Access Code (LDM)

1. General

This command assigns the Calling Number Pattern (CNP) on an access code basis. CNP is used for the SID to Network-Present service and for the Calling Party Recognition service. The data assigned by this command is written in Local Data Memory (LDM).

2. Precautions

The CNP parameter in this command corresponds to the one assigned by the ACND command.

3. Data Entry Instructions

IC/OG: Incoming/Outgoing Call

RT: External Route Number [1-255]

ACC: Access Code [Maximum 16 digits (0-9, *, #)]

Assign an access code for specifying the destination.

CNP: Calling Number Pattern [1-255]

Further data assignment by using the ACND command is required. (This parameter is required for OG.)

DC: Dialed Number Confirmation [1-8]

Assign the number of digits for specifying called station number (used for Direct Inward Dialing (DID) Addressing). This data setting has precedence over that of CDN66 (DC) -ARTD command. (This parameter is required for IC.)

4. Data Sheet

INCOMING/ OUTGOING CALL (IC/OG)	EXTERN AL ROUTE NUMBER (RT)	ACCESS CODE (ACC) MAXIMUM 16 DIGITS [0-9, *, #]	DIALED NUMBER CONFIRMATION (DC) 1-8	REMARKS
IC		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		

INCOMING/ OUTGOING CALL (IC/OG)	EXTERN AL ROUTE NUMBER (RT)	ACCESS CODE (ACC) MAXIMUM 16 DIGITS [0-9, *, #]	CALLING NUMBER PATTERN (CNP) 1-255	REMARKS
OG		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		

ACNAN: Assignment of Calling Number Pattern Data per Access Code (NDM)

1. General

This command is used to assign the Calling Number Pattern (CNP) on an access code basis. CNP is used for the SID to Network-Present service and for the Calling Party Recognition service. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

The CNP parameter in this command corresponds to the one assigned by the ACNDN command.

3. Data Entry Instructions

IC/OG: Incoming/Outgoing Call

LGRT: External Logical Route Number [1-899]

ACC: Access Code [Maximum 16 digits (0-9, *, #)]

Assign an access code for specifying the destination.

CNP: Calling Number Pattern [1-1023]

Further data assignment by using the ACNDN command is required. (This parameter is required for OG.)

DC: Dialed Number Confirmation [1-8]

Assign the number of digits for specifying called station number (used for Direct Inward Dialing (DID) Addressing). This data setting has precedence over that of CDN66 (DC) -ARTD command. (This parameter is required for IC.)

4. Data Sheet

INCOMING/ OUTGOING CALL (IC/OG)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT) 1-899	ACCESS CODE (ACC) MAXIMUM 16 DIGITS [0-9, *, #]	DIALED NUMBER CONFIRMATION (DC) 1-8	REMARKS
IC				

INCOMING/ OUTGOING CALL (IC/OG)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT) 1-899	ACCESS CODE (ACC) MAXIMUM 16 DIGITS [0-9, *, #]	CALLING NUMBER PATTERN (CNP) 1-1023	REMARKS
OG				

ACND: Assignment of Calling Number Data

1. General

This command assigns the Service Identification Number (SID) sent to the ISDN for the SID to Network - Present service for the Calling Party Recognition service.

2. Precautions

The CNP parameter corresponds to the one assigned by the ACNP command.

3. Data Entry Instructions

CNP: Calling Number Pattern [0-255]

0=OG ID Service

1-255=Calling Number Pattern

SKIP: Number of Skip Digits [0-24]

The number of skip digits from the SID.

ADD: Number of Digits of the Additional Number [0-24]

The number of the digits for the additional number.

DC: Additional Digit Information [Maximum 24 digits]

The SID sent to the ISDN.

4. Data Sheet

[illegible]

ACNDN: Assignment of Calling Number Data for NDM

1. General

This command assigns the Station Number Identification (SID) sent to the ISDN for the SID to Network - Present service/for the Calling Party Recognition service. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The CNP parameter in this command corresponds to the one assigned by the ACNPN command.
2. Do not assign the data “0” to both SKIP and ADD parameters.
3. For DC parameter, assign the same number of digits designated at ADD parameter.
4. This command must be used in a pair with ACNPN command.

3. Data Entry Instructions

CNP: Calling Number Pattern [0-1023]

0=OG ID Service

1-1023=Calling Number Pattern

SKIP: Number of Skip Digits [0-24]

The number of skip digits from the SID.

ADD: Number of Digits of the Additional Number [0-24]

The number of the digits for the additional number.

DC: Additional Digit Information [Maximum 24 digits]

The SID sent to the ISDN.

4. Data Sheet

[illegible]

ACNO: Assignment of Conversion Number Data

1. General

This command assigns/deletes the conversion number required for selecting a route on each route basis. Direct a specified ringdown type trunk route to a specific monitored number (monitored number is the same as a pilot number).

2. Precautions

1. This data should be assigned to ringdown trunks. This command does not apply to self-directing type trunks (i.e. DID, TIE lines, etc.).
2. Prior to this command, program the monitored number by AMNO and ACDPLT.
3. Do not program the Direct-In Termination service data to the route assigned by this command.

3. Data Entry Instructions

RT: External Route Number [1-255]

Enter the External Route Number of the ringdown trunk.

TN: Tenant Number [1-10]

Enter the Tenant Number of the Monitored Number.

MNO: Monitor Number

Set the Monitor Number assigned by AMNO command. (The number of digits for each Monitor Number must be the same.)

The number is the same as the pilot number assigned in ACD.

<For ACD system>

2 to 6 digits are allowed for the number of digits in Monitor Number. Numbers 0 to 9 may be used.

* or # may not be used. 1st DC= "0" may not be used either.

Note: ACD System does not function when a one-digit number is assigned.

<For OAI system>

2 to 6 digits are allowed for the number of digits in Monitor Number. Numbers 0 to 9, *, and # may be used.

4. Data Sheet

[illegible]

ACNOL: Assignment of Conversion Number Data for LDM

1. General

ACNOL directs a specified ringdown type trunk route to a specific monitored number (monitored number is the same as a pilot number) in Telephone number. The conversion number programmed in ACNOL is available for the self node only.

2. Precautions

1. This data should be assigned to ringdown trunks. This command does not apply to self-directing type trunks (i.e. DID, TIE lines, etc.).
2. Prior to this command, program the monitored number by AMNOL and ACDPLT.
3. Do not program the Direct-In Termination service data to the route assigned by this command.

3. Data Entry Instructions

RT: External Route Number [1-255]

Enter the External Route Number of the ringdown trunk.

UGN: User Group Number [1-255]

L_MNO: Local Monitor Number

Set the Local Monitor Number assigned by AMNOL command. (The number of digits for each Local Monitor Number must be the same.)

<For ACD System>

The number is the same as the pilot number assigned in ACD.

2 to 6 digits are allowed for the number of digits in Local Monitor Number. Numbers 0 to 9 may be used.

Note 1

* or # may not be used. 1st DC= "0" may not be used either.

Note 1: ACD System does not function when a one-digit number is assigned.

<For OAI System>

Up to 16 digits are allowed for the number of digits in Local Monitor Number. Numbers 0 to 9, *, and # may be used.

4. Data Sheet

[illegible]

ACNON: Assignment of Conversion Number Data for NDM

1. General

ACNON directs a specified ringdown type trunk route to a specific monitored number (monitored number is the same as a pilot number) in Telephone number. The monitored number is available for all nodes within FCCS Network.

2. Precautions

1. This data should be assigned to ringdown trunks. This command does not apply to self-directing type trunks (i.e. DID, TIE lines, etc.).
2. Prior to this command, program the monitored number by AMNON and ACDPLT.
3. Assign the logical route number to each physical route number in ALRTN.
4. Do not program the Direct-In Termination service data to the route assigned by this command.

3. Data Entry Instructions

LGRT: External Logical Route Number [1-899]

Enter the External Logical Route Number of the ringdown trunk.

UGN: User Group Number [1-255]

N_MNO: Network Monitor Number

Set the Network Monitor Number assigned by AMNON command. (The number of digits for each Network Monitor Number must be the same.)

<For ACD System>

The number is the same as the pilot number assigned in ACD.

2 to 6 digits are allowed for the number of digits in Network Monitor Number. Numbers 0 to 9 may be used.

Note 1

* or # may not be used. 1st DC= "0" may not be used either.

Note 1: ACD System does not function when a one-digit number is assigned.

<For OAI System>

Up to 16 digits are allowed for the number of digits in Network Monitor Number. Numbers 0 to 9, *, and # may be used.

4. Data Sheet

[illegible]

ACNP: Assignment of Calling Number Pattern

1. General

This command assigns the Calling Number Pattern (CNP) to the route that is used for the SID-to-Network-Present service/for the Calling Party Recognition service.

2. Precautions

1. Enter a B-Channel Route Number in the RT parameter.
2. The CNP is an intermediate parameter to assign the SID using the ACND command.

3. Data Entry Instructions

IC/OG: Incoming/Outgoing Call

- 1: IC: Incoming Call (Calling Party Recognition)
- 2: OG: Outgoing Call (SID To Network-Present)

RT: External Route Number [1-255]

Enter the route number of the B-Channel.

CNP: Calling Number Pattern [1-255]

Enter the arbitrary number within the range between 1 and 255.

4. Data Sheet

[illegible]

ACNPN: Assignment of Calling Number Pattern for NDM

1. General

This command assigns the Calling Number Pattern (CNP) to the route that is used for the SID-to-Network-Present service/for the Calling Party Recognition service. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Enter a B-Channel Logical Route Number in the LGRT parameter.
2. The CNP parameter in this command corresponds to the one assigned by ACNDN command.
3. Assign the Calling Number Pattern (CNP) to Incoming Call and Outgoing Call.
4. When the Calling Party Recognition is used in TAPI service, this command is assigned to the incoming route of COT that receives the calling number information from Central Office (analog) directly.
5. This command must be used in a pair with ACNDN command.

3. Data Entry Instructions

IC/OG: Incoming/Outgoing Call

- 1: IC: Incoming Call (Calling Party Recognition)
- 2: OG: Outgoing Call (SID To Network-Present)

LGRT: Logical Route Number [1-899]

Enter the logical route number of the B-Channel.

CNP: Calling Number Pattern [1-1023]

Enter the arbitrary number within the range between 1 and 1023.

4. Data Sheet

[illegible]

ACOC: Assignment of Central Office Code

1. General

This command assigns the C.O. line code and TIE Line code corresponding to trunks.

2. Precautions

1. The Central Office Code (COC) assigned by this command is displayed on ATTCON and the Desktop terminal instead of the trunk number.
2. The COC assigned by this command is used to specify a trunk by the Individual Trunk Access service feature.
3. This command affects the trunk route assigned R/L=1 by the ARTD command.
4. The Listed Directory Number (LDN) can be assigned as COC, and is convenient to identify the trunk.

3. Data Entry Instructions

RT: External Route Number [1-255]

TK: Trunk Number [1-255]

DC: Digit Code [Maximum four digits (0-9, *, #)]

Enter four digits of Central Office Code.

4. Data Sheet

[illegible]

ACOC_LR: Assignment of Central Office Code – Logical Route Number

1. General

This command is used to assign C.O. line code and TIE Line code corresponding to trunks. Route Number of the ACOC command can be assigned by using Logical Route.

2. Precautions

1. Prior to this command, logical route data must be allocated by using the ALRTN command.
2. Only when logging in to the Network Control Node (NCN), this command can be used to assign the logical route data of self-node and the other nodes in the FCCS Network. When logging in to a Local Node (LN), data setting only for the self-node is available. (An error message is indicated if attempting to write the data of other node.)
3. The Central Office Code (COC) assigned by this command is displayed on ATTCON and also Desktop terminal instead of the trunk number.
4. The COC assigned by this command is used to specify a trunk by the Individual Trunk Access service feature.
5. This command affects the trunk route assigned the R/L=1 by the ARTD command.
6. The Listed Directory Number (LDN) can be assigned as COC, and is convenient to identify the trunk.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

TK: Trunk Number [1-255]

FPC: Fusion Point Code [1-253]

RT: External Route Number [1-255]

DC: Digit Code [Maximum four digits (0-9, *, #)]

Enter four digits of Central Office Code.

4. Data Sheet

[illegible]

ACODL: Assignment of Country Data for LDM

1. General

This command is used to assign the Country code data, and address the number information and charge for ISDN incoming call. This data is written in Local Data Memory (LDM).

2. Precautions

None.

3. Data Entry Instructions

RT/LGRT:Route Number/Logical Route Number [1-899]

Enter the Route Number or Logical Route Number.

Country

Select Country on the Name box and assign the Country code.

Name: Country Name

- Italy
- Austria
- Netherlands
- Greece
- Swiss
- Sweden
- Spain
- Denmark
- Germany
- Belgium
- Portugal
- Luxembourg
- UAE
- Other Countries

Code (Country Code): 4 digits maximum (0-9, *, #)

Addressing/COLP (Addressing/Connected Line ID Presentation Flg)

To use this feature, click the check box and assign the Area Code and Local Code.

Area Code: 6 digits maximum (0-9, *, #)

Local Code: 6 digits maximum (0-9, *, #)

Trunk Access (Trunk Access Code Flg)

To use this feature, click the check box and assign the Trunk Access Code.

Trunk Access Code: 4 digits maximum (0-9, *, #)

International Prefix (International Prefix Flg)

To use this feature, click the check box and assign the International Prefix Code.

I_PREFIX Code (International Prefix Code): 4 digits maximum (0-9, *, #)

National Prefix (National Prefix Flg)

To use this feature, click the check box and assign the National Prefix Code.

N_PREFIX Code (National Prefix Code): 4 digits maximum (0-9, *, #)

Area Code Display

Click the check box to display Area Code.

AOC-E (AOC-E Flg)

If using this feature, click the check box and assign the amount of charge (Integer and Decimal).

UNIT RATE (Integer): Charge of one unit (0-99)

UNIT RATE (Decimal): Charge of one unit (0-99)

4. Data Sheet

[illegible]

ACODN: Assignment of Country Data for NDM

1. General

This command is used to assign the Country code data, and address the number information and charge for ISDN incoming call. This data is written in Network Data Memory (NDM) of the Network Control Node (NCN).

2. Precautions

None.

3. Data Entry Instructions

RT/LGRT:Route Number/Logical Route Number [1-899]

Enter the Route Number or Logical Route Number.

Country

Select Country on the Name box and assign the Country code.

Name: Country Name

- Italy
- Austria
- Netherlands
- Greece
- Swiss
- Sweden
- Spain
- Denmark
- Germany
- Belgium
- Portugal
- Luxembourg
- UAE
- Other Countries

Code (Country Code): 4 digits maximum (0-9, *, #)

Addressing/COLP (Addressing/Connected Line ID Presentation Flg)

To use this feature, click the check box and assign the Area Code and Local Code.

Area Code: 6 digits maximum (0-9, *, #)

Local Code: 6 digits maximum (0-9, *, #)

Trunk Access (Trunk Access Code Flg)

To use this feature, click the check box and assign the Trunk Access Code.

Trunk Access Code: 4 digits maximum (0-9, *, #)

International Prefix (International Prefix Flg)

To use this feature, click the check box and assign the International Prefix Code.

I_PREFIX Code (International Prefix Code): 4 digits maximum (0-9, *, #)

National Prefix (National Prefix Flg)

To use this feature, click the check box and assign the National Prefix Code.

N_PREFIX Code (National Prefix Code): 4 digits maximum (0-9, *, #)

Area Code Display

Click the check box to display Area Code.

AOC-E (AOC-E Flg)

If using this feature, click the check box and assign the amount of charge (Integer and Decimal).

UNIT RATE (Integer): Charge of one unit (0-99)

UNIT RATE (Decimal): Charge of one unit (0-99)

4. Data Sheet

[illegible]

ACPDN: Assignment of Call Pickup Key Group Dterm for NDM

1. General

This command assigns/deletes Call Pickup Group Numbers to/from CALL PICKUP - ONE TOUCH Feature keys on Desktop terminals.

2. Precautions

1. Change/Deletion of the data should be performed when no incoming call arrives to a Call Pickup Group.

If the data is changed/deleted while an incoming call arrives to a Call Pickup Group, there is a possibility that Feature key lamps of the Call Pickup Group might not flash/turn off.

2. A maximum number of five Call Pickup Groups can be assigned per Desktop terminal.
3. The same Call Pickup Group can be assigned to up to 100 Desktop terminals.
4. The same Call Pickup Group cannot be double assigned to a Desktop terminal.
5. The conditions for accommodating member Stations of Call Pickup Group and Desktop terminals are as follows.

System Configuration	Conditions for Accommodating
IMG/MMG System	within IMG0 - IMG3 (including virtual lines)
UMGi/RNIP System	Not supported

6. The existing data assigned through this command can be overwritten. Data Entry Instructions

UGN: User Group Number [1-255]

Enter the User Group Number of the Desktop terminal to which Call Pickup Groups are intended to be assigned.

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the Desktop terminal to which Call Pickup Groups are intended to be assigned.

[GroupKey List]

GroupKey (1-5)

Enter the number of the Call Pickup key.

CPG: Call Pickup Group Number (1-1000)

Enter the Call Pickup Group Number corresponding to the CALL PICKUP - ONE TOUCH Feature keys on the Desktop terminal.

ACPE: Assignment of Call Pickup Expand Group Data

1. General

This command assigns the Call Pickup Expand Group data.

2. Precautions

1. Prior to this command, station assignments are required by the ACPG command.
2. A maximum of 100 stations can be assigned in a Call Pickup Expand Group.
3. There is no limit to the number of Call Pickup Expand Group.
4. The access code of the Call Pickup Expand Group is assigned by the ASPA command SRV="SSCA: Service Code Appendix", SIDA=63.
5. A station can only be assigned to single Call Pickup Expand Group.
6. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
7. When editing or changing the order of the member station data at the top of "Station List in Group", you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

TN: Tenant Number [1-63]

STN: Station number (First station number)
[Business: Maximum 5 digits, Hotel: Maximum 6 digits (0-9, *, #)]

The station number of the first Call Pickup Group member.

[Station List in Group]

STN: Station number
[Business: Maximum 5 digits, Hotel: Maximum 6 digits (0-9, *, #)]

Assign station numbers for Call Pickup Expand Group.

4. Data Sheet

TENANT NUMBER (TN)		STATION NUMBER (STN)					
COUNT OF STATION (CNT)	STATION NUMBER (STN)	COUNT OF STATION (CNT)	STATION NUMBER (STN)	COUNT OF STATION (CNT)	STATION NUMBER (STN)	COUNT OF STATION (CNT)	STATION NUMBER (STN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ACPEL: Assignment of Call Pickup Expand Group for LDM

1. General

This command assigns the data related to Call Pickup Expand Group - LDM service. With this command, Call Pickup Expand Group service feature can be assigned by using Telephone Number.

2. Precautions

1. Prior to this command, station assignments are required by the ACPGL command.
2. A maximum of 100 stations can be assigned in a Call Pickup Expand Group.
3. There is no limitation on the number of Call Pickup Expand Group within a system.
4. One station can be assigned to the member of only one Call Pickup Group.
5. Either Call Pickup Expand Group for LDM or Call Pickup Expand Group for NDM can be executed in a system. (Both services cannot coexist in a system.)
6. The data assigned by this command is invalid in the FCCS Network.
7. The access code of the Call Pickup Expand Group is assigned by the ASPA command SRV="SSCA: Service Code Appendix", SIDA=63.
8. When editing or changing the order of the member station data at the top of "Station List in Group", you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

The Telephone Number of the first Call Pickup Group member station.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Assign Telephone Numbers for Call Pickup Expand Group.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)					
COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ACPEN: Assignment of Call Pickup Expand Group Data for NDM

1. General

This command assigns the Call Pickup Expand Group data for FCCS service. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Prior to this command, station assignments are required by the ACPGN command.
2. A maximum of 100 stations can be assigned in a Call Pickup Expand Group.
3. There is no limit to the number of Call Pickup Expand Groups.
4. The access code of the Call Pickup Expand Group is assigned by the ASPAN command SRV="SSCA: Service Code Appendix", SIDA=63.
5. Call Pickup Expand Group for LDM or Call Pickup Expand Group for NDM can be executed in a system. (Both services cannot coexist in a system.)
6. To assign data, click the "Group by FPC" button to sort the data in "Station List in Group" by FPC group. Otherwise, you cannot assign the data.
7. Stations from up to four FPCs (nodes) can be assigned to the same group.
8. When editing or changing the order of the member station data at the top of "Station List in Group", you need to get one of the data within the group except the one at the top of the list

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

The Telephone Number of the first Call Pickup Group member station.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Assign Telephone Numbers for Call Pickup Expand Group.

FPC: Fusion Point Code (display only) [1-253]

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)					
COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ACPG: Assignment of Call Pickup Group

1. General

This command assigns Call Pickup Group in the TN and STN.

2. Precautions

1. A maximum of 100 stations can be assigned in a Call Pickup Group.
2. The access code of the Call Pickup Group is assigned by the ASPA command SRV="SSC: Service Code", SID=7.
3. There is no limitation in a Call Pickup Group within a system.
4. The station can be assigned to only one Call Pickup Group.
5. The phantom number assigned by the APHN command cannot be a member station of the Call Pickup Group.
6. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
7. When editing or changing the order of the member station data at the top of "Station List in Group", you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

TN: Tenant Number [1-63]

STN: Station number (First station number)
[Business: Maximum 5 digits, Hotel: Maximum 6 digits (0-9, *, #)]

Enter the first station number of Call Pickup Group.

[Station List in Group]

STN: Station number
[Business: Maximum 5 digits, Hotel: Maximum 6 digits (0-9, *, #)]

Assign station numbers for Call Pickup Group.

4. Data Sheet

TENANT NUMBER (TN)		STATION NUMBER (STN)					
COUNT OF STATION (CNT)	STATION NUMBER (STN)	COUNT OF STATION (CNT)	STATION NUMBER (STN)	COUNT OF STATION (CNT)	STATION NUMBER (STN)	COUNT OF STATION (CNT)	STATION NUMBER (STN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ACPGL: Assignment of Call Pickup Group for LDM

1. General

This command assigns the data related to Call Pickup Group - LDM service. With this command, Call Pickup Group service feature can be assigned by using Telephone Number.

2. Precautions

1. A maximum of 100 stations can be assigned in a Call Pickup Group.
2. The access code of the Call Pickup Group is assigned by the ASPAL command SRV= "SSC: Service Code", SID=7.
3. There is no limitation on the number of Call Pickup Group within a system.
4. One station can be assigned to the member of only one Call Pickup Group.
5. Either Call Pickup Group for LDM or Call Pickup Group for NDM can be executed in a system. (Both services cannot coexist in a system.)
6. The data assigned by this command is invalid in the FCCS Network.
7. When editing or changing the order of the member station data at the top of "Station List in Group", you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the first member station.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Assign Telephone Numbers for Call Pickup Group.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)					
COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ACPGN: Assignment of Call Pickup Group for NDM

1. General

This command assigns Call Pickup Group for FCCS service in the UGN and TELN. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. A maximum of 100 stations can be assigned in a Call Pickup Group.
2. The access code of the Call Pickup Group is assigned by the ASPAN command SRV= "SSC: Service Code", SID=7.
3. There is no limitation in a Call Pickup Group within a system.
4. The station can be assigned to only one Call Pickup Group.
5. Either Call Pickup Group for LDM or Call Pickup Group for NDM can be executed in a system. (Both services cannot coexist in a system.)
6. You need to log on to NCN (Network Control Node) to assign data by using this command.
7. To assign data, click the "Group by FPC" button to sort the data in "Station List in Group" by FPC group. Otherwise, you cannot assign the data.
8. Stations from up to four FPCs (nodes) can be assigned to the same group.
9. When editing or changing the order of the member station data at the top of "Station List in Group", you need to get one of the data within the group except the one at the top of the list

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the first member station.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Assign Telephone Numbers for Call Pickup Group.

FPC: Fusion Point Code (display only) [1-253]

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)					
COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)	COUNT OF STATION (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ACPKN: Assignment of Call Pickup Key Group for NDM

1. General

This command assigns/deletes the Telephone Numbers belonging to the Call Pickup Group for the Call Pickup - One Touch key feature.

2. Precautions

1. A maximum number of 1000 Call Pickup Groups can be assigned per System.
2. A maximum number of 50 stations can be assigned per Call Pickup Group.
3. A station cannot be assigned to two or more different Call Pickup Groups.
4. Only the stations of Analog Terminals and Desktop terminals can be assigned to a Call Pickup Group.
5. For the system using FCCS network, the stations assigned to the same Call Pickup Group must be accommodated in the same Node.
6. The conditions for accommodating member stations of Call Pickup Group and Desktop terminals are as follows.

System Configuration	Conditions for Accommodation
IMG/MMG System	within IMG0 - IMG3 (including virtual lines)
UMGi/RNIP System	Not supported

7. Telephone Numbers assigned through the ALGSN command are used for the station numbers of Call Pickup Group members.
8. The existing data assigned through this command can be overwritten.

3. Data Entry Instructions

TYPE

Select either of the radio buttons:

- Telephone Number
- Call Pickup Group Number

(a) When Telephone Number is selected:

BASE UGN: User Group Number (1 - 255)

BASE TELN: Telephone Number (up to 16 digits (0-9, *, #))

Enter the Telephone Numbers assigned to a Call Pickup Group.

BASE CPG: Call Pickup Group Number (1 - 1000)

When the Telephone Number entered in the box of BASE TELN already belongs to a Call Pickup Group, the Call Pickup Group Number of that station will be displayed.

When a Telephone Number does not belong to any Call Pickup Groups, enter a desired Call Pickup Group Number.

[Station List in Group]**TELN: Telephone Number (up to 16 digits (0-9, *, #))**

Enter the Telephone Numbers assigned to the same Call Pickup Group.

LENS: Line Equipment Numbers

LENS of entered Telephone Number is displayed.

FPC: Fusion Point Code

FPC of the assigned Telephone Number is displayed.

(b) When Call Pickup Group Number is selected:

BASE CPG: Call Pickup Group Number (1 - 1000)

Enter the Call Pickup Group number.

UGN: User Group Number (1 - 255)**[Station List in Group]****TELN: Telephone Number (up to 16 digits (0-9, *, #))**

Enter the Telephone Numbers assigned to a Call Pickup Group.

LENS: Line Equipment Numbers

LENS of entered Telephone Number is displayed.

FPC: Fusion Point Code

FPC of the entered Telephone Number is displayed.

ACPNCL: Assignment of Calling Party Number Conversion for LDM

1. General

This command assigns skip and additional digit information for Outgoing External Route Number. This data is written in Local Data Memory (LDM).

2. Precautions

1. When the calling party number that is more than eight digits including the office code (ARNP, RT=0) is received from CCIS line, the calling party number is sent as physical station number through CCIS line. Therefore, physical station number must be assigned in RCPN parameter to recognize the calling party number.
2. The maximum of this command entries is 65,535.

3. Data Entry Instructions

OG RT: Outgoing External Route Number [1-255]

RCPN: Received Calling Party Number [Maximum 24 digits]

Determine the number recognized in the received calling party number.

SKIP: Number of Skip Digits [0-24]

Enter desired number of skip digits from the Received Calling Party Number.

ADD: Number of Additional Digit Code [0-24]

Enter the number of digit entered in ACPN parameter.

ACPN: Calling Party Number Added [Maximum 24 digits]

Enter desired additional numbers to the Received Calling Party Number within 24 digits

4. Data Sheet

[illegible]

ACPNCN: Assignment of Calling Party Number Conversion for NDM

1. General

This command assigns skip and additional digit information for Outgoing External Logical Route Number. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. When the Calling Party Number that is more than eight digit, including the office code (ARNP, RT=0) is received from CCIS line, the Calling Party Number is sent as physical station number through the CCIS line. Physical station number must be assigned in RCPN parameter to recognize the Calling Party Number.
2. When the system is upgraded from non-FCCS to FCCS, the physical station number/Telephone Number written in LDM programmed in ACPNCL command should be deleted and the new Telephone Number must be assigned using ACPNCN command unless those numbers are identical with the Telephone Numbers to be written to NDM. (If the numbers are not deleted, the system detects the wrong number data or does not detect the number data since the FCCS system reads out the NDM data.)
3. The maximum of this command entries is 65,535.

3. Data Entry Instructions

OG LGRT: Outgoing External Logical Route Number [1-899]

RCPN: Received Calling Party Number [Maximum 24 digits]

Determine the number to be recognized in the received calling party number.

SKIP: Number of Skip Digits [0-24]

Enter desired number of skip digits from the received calling party number.

ADD: Number of Additional Digit Code [0-24]

Enter the number of digits entered in ACPN parameter.

ACPN: Calling Party Number Added [Maximum 24 digits]

Enter desired additional numbers to the received calling party number within 24 digits

4. Data Sheet

[illegible]

ACPSL: Assignment of Call Park Group Service Data for LDM

1. General

This command assigns/deletes the group number corresponding to the Telephone Number (TELN) of which UGN and Call Park Deluxe Group Number.

2. Precautions

When deleting the station number, be sure to delete the data assigned by this command in advance.

3. Data Entry Instructions

- Select “Line Number” in Function menu and assign the following parameters.

GPN: Call Park Group Number / Call Receiving and Transfer Number [1-4095]

Assign the call park group number.

NND: Number of Necessary Digits [1-2]

Assign the number of digits for an access code.

LN: Line Number [0-99]

Assign the line number.

- Select “Group Number” in Function menu and assign the following parameters.

UGN: User Group Number [1-255]

TELN: Telephone Number

Assign the Telephone Number of the station to answer the held call.

GPN: Call Park Group Number

4. Data Sheet

- When Line Number is selected

Call Park Group Number (GPN)	Number of Necessary Digits	Line Number

- When Group Number is selected

[illegible]

ACPSN: Assignment of Call Park Group Service Data for NDM

1. General

This command assigns/deletes the group number corresponding to the Telephone Number (TELN) of which UGN and Call Park Deluxe Group Number.

2. Precautions

When deleting the station number, be sure to delete the data assigned by this command in advance.

3. Data Entry Instructions

- When selecting “Line Number” in Function menu and assign the following parameters.

GPN: Call Park Group Number / Call Receiving and Transfer Number [1-4095]

Assign the call park group number.

NND: Number of Necessary Digits [1-2]

Assign the number of digits for an access code.

LN: Line Number [0-99]

Assign the line number.

- When selecting “Group Number” in Function menu and assign the following parameters.

UGN: User Group Number [1-255]

TELN: Telephone Number

Assign the Telephone Number of the station to answer the held call.

GPN: Call Park Group Number

4. Data Sheet

- When Line Number is selected

Call Park Group Number (GPN)	Number of Necessary Digits	Line Number

- When Group Number is selected

USER GROUP NUMBER (UGN)	TELEPHONE NUMBER (TELN)	CALL PARK GROUP NUMBER MAXIMUM 8 DIGITS

ACRD: Assignment of Connection Route Class Data for LDM

1. General

This command assigns the related data for the connection route used for B-Channel and D-Channel in the FCCS Network link.

2. Precautions

1. The available Connection Route numbers are 1-1023.
2. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

Refer to the Data Sheet in Section 4.

4. Data Sheet

CDN	CONNECTION RT No. (C_RT) 1-1023						
	FUNCTION (FUNC)						
1	TF - Type of Trunk 0 = - 1 = Outgoing Trunk (OGT) 2 = Incoming Trunk (ICT) 3 = Bothway Trunk (BWT)	3	3	3	3	3	3
2	TCL - Trunk Class (Fixed "4") 1-3 = - 4 = FCCS Trunk 5-31 = -	4	4	4	4	4	4
3	RLP - Trunk Release Pattern (Fixed "2") 0 = Calling Party Release (Outgoing only) 1 = Called Party Release (Incoming only) 2 = First Party Release (Either Station or Trunk side) 3 = -	2	2	2	2	2	2
4	SMDR - Detailed Billing Information (Fixed "0") 0 = SMDR is out of service 1 = SMDR is in service	0	0	0	0	0	0
5	LSG - Line Signal 0-11 = - 12 = B-Channel 13 = D-Channel 14, 15 = -						
6	PAD - PAD control (other than IPPAD) 0 = 0 dB 1 = 8 dB for sending, 0 dB for receiving. 2 = 4 dB 3 = 8 dB for sending, 12 dB for receiving. 4 = 8 dB 5 = Not used 6 = Not used 7 = 0 dB Standard data = 7 (0 dB) PAD - PAD Number (IPPAD) PAD value of IPPAD is determined by the PAD number and the setting of SW10-6/7 on IPPAD card. Refer to Circuit Card Description for more information.						
7	TRKS - Trunk Selection Sequence 0 = Select from the trunk that becomes idle first 1 = Select from the trunk that becomes idle last	0	0	0	0	0	0

CDN	CONNECTION RT No. (C_RT) 1-1023						
	FUNCTION (FUNC)						
8	TC/EC (Fixed "0") 0 = No MPC/EC 1 = EC 2 = MPC 3 = Not used						
9	FINT - FCCS Interface Specification 0 = FCCS standard 1 - 15 = -	0	0	0	0	0	0
10	FPEG - FCCS - PEG (Fixed "0") 0 = Nothing of FCCS - PEG 1 = Exist of FCCS - PEG	0	0	0	0	0	0
11	TC - Timer Class (Fixed "0") 0 = Not used 1 = one second 2 = two seconds 3 = eight seconds 4 = 20 seconds	0	0	0	0	0	0
12	MTC - Miscellaneous Timer Counter (Fixed "0") Timer value = (TC) × (MTC)	0	0	0	0	0	0
13	STSEQ - Status ENQ (Fixed "0") FCCS link status check 0 = Available 1 = Unavailable	0	0	0	0	0	0
14	FGH - Fusion Gateway Handler (0 - 1) 0/1 = FCH/FGH						
15	MMN - Kind of Multiple Equipment When CDN 8: TC/EC = 0 (No MPC/EC), data setting for this parameter is not required. 0: TDM 1: MM-Node 2: Not used 3: Not used						
16	LKIND - Kind of FCCS Link 0: DTI 1: ISW 2: FCCS over IP (Router) 3: IPTRK 4 - 15: Not used						
17	IPLYR - Voice over IP 0: DTI interface 1.5 Mbps 1: DTI interface 2.0 Mbps						
18	IPTRK - IP Trunk 0: Out of service 1: In service						
19	IPPAD 0: Out of service 1: In service						

CDN	CONNECTION RT No. (C_RT) 1-1023						
	FUNCTION (FUNC)						
20	LMG (IPPAD for Connection between TDM terminals (for UMGi/RNIP system)) Note 1 0: Out of service 1: In service						

Note 1: This function is used for the UMGi/RNIP system operation only (it is not used for the normal system operation).

ACSA: Assignment of Connection Service Index A Data

1. General

This command assigns the call termination for CAS Line and Direct-In Termination (Day Only).

2. Precautions

1. The ACFR command assignment is also required to assign the trunk incoming call termination service feature.
2. CAS data at the Satellite Station
 - (a) It is necessary to set the Telephone Class (TEC) of the CAS Line to “15” in the ASDT command.
 - (b) A ringdown incoming call from a C.O. line is terminated to the CAS Line.
3. When assigning CSIA=3 (Direct-In Termination-Outside (DAY Only)), the ADC should be assigned by the ASPD command.
4. Use the ACSI command instead of this command if Direct-In Termination (Day and Night Mode) or Direct-In Termination (Night Mode) is required.
5. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

RT: External Route Number [1-255]

TK: Trunk Number [1-255]

CSIA: Connection Service Index A [1-3]

1=CAS Line

2=Direct-In Termination (DAY Only)

3=Direct-In Termination-Outside (DAY Only)

TN: Tenant Number

This parameter is required only for CSIA=1/2.

STN: Station number [Maximum six digits]

This parameter is required only for CSIA=1/2.

ADC: Abbreviated Digit Code [Maximum four digits]

This parameter is required only for CSIA=3.

4. Data Sheet

[illegible]

ACSAL: Assignment of Connection Service Index A Data for LDM

1. General

This command assigns the call termination for CAS Line and Direct-In Termination (Day Only) for the Local Node (LN) in the FCCS Network.

2. Precautions

1. The ACFR command assignment is also required to activate the trunk incoming call termination service feature.
2. CAS data at the Satellite Station
 - (a) It is necessary to set the Telephone Class (TEC) of the CAS Line to “15” in the ASDT command.
 - (b) A ringdown incoming call from a C.O. line is terminated to the CAS Line.
3. When assigning CSIA=3 (Direct-In Termination-Outside (DAY Only)), the ADC should be assigned by the ASPD command.
4. Use the ACSIL command instead of this command if Direct-In Termination (Day and Night Mode) or Direct-In Termination (Night Mode) is required.

3. Data Entry Instructions

RT / LGRT: External Route Number / Logical Route Number [1-899]

TK: Trunk Number [1-255]

CSIA: Connection Service Index A [1-3]

1=CAS Line

2=Direct-In Termination (DAY Only)

3=Direct-In Termination-Outside (DAY Only)

UGN: User Group Number [1-255]

This parameter is required only for CSIA=1/2.

TELN: Telephone Number [Maximum 16 digits]

This parameter is required only for CSIA=1/2.

ADC: Abbreviated Digit Code [Maximum four digits]

This parameter is required only for CSIA=3.

Enter the abbreviated digits assigned by the ASPD command.

4. Data Sheet

EXTERNAL ROUTE NUMBER/ LOGICAL ROUTE NUMBER (RT/LGRT)	TRUNK NUMBER (TK)	CONNECTION SERVICE INDEX A (CSIA) 1 – 3	TERMINATING STATION		ABBREVIATED DIGIT CODE (ADC) MAXIMUM 4 DIGITS
			USER GROUP NUMBER (UGN)	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS	

ACSC: Assignment of CSC Data

1. General

This command assigns the Common Channel Handler (CCH)/D-Channel Handler (DCH) location of the Common Channel Signaling Controller Group (CSCG).

2. Precautions

1. The CSCG represents the Point Code (PC) and the Circuit Identification Code (CIC) that correspond to the B-Channels (voice channels) of the CCIS interface as assigned by the ACIC2 command. On the other hand, the CSCG represents the PC of the ISDN interface as assigned by the ACIC1 command.
2. The CSCG parameter accepts a range of 2 to 255 except 128 and 129.
3. The even number CSCG and its consecutive odd number CSCG are a CSCG pair. (Ex. CSCG 2 and CSCG 3 are the CSCG pair.)
4. In the case of CCIS, the Common Channel Handler (CCH) circuit entered in the CCH parameters within a CSCG pair share their work load. When CCH of GROUP 0 has a heavy load, GROUP 1's CCH takes over the job. When all of the CCHs within the even number CCH's load becomes high, its consecutive odd number CSCG's CCHs share their work load.
5. When it is an ISDN interface, the location of the D-Channel Handler (DCH) should be assigned in the CCH parameter of the even number CSCG within the CSCG pair. The first group of the PRT/DTI card is used for the location of the B-Channel in the CCH parameter of the odd number CSCG.
6. The Common Channel Handler circuit handles the CIC means of B-Channels. The table below shows the relationship between GROUP and CIC.

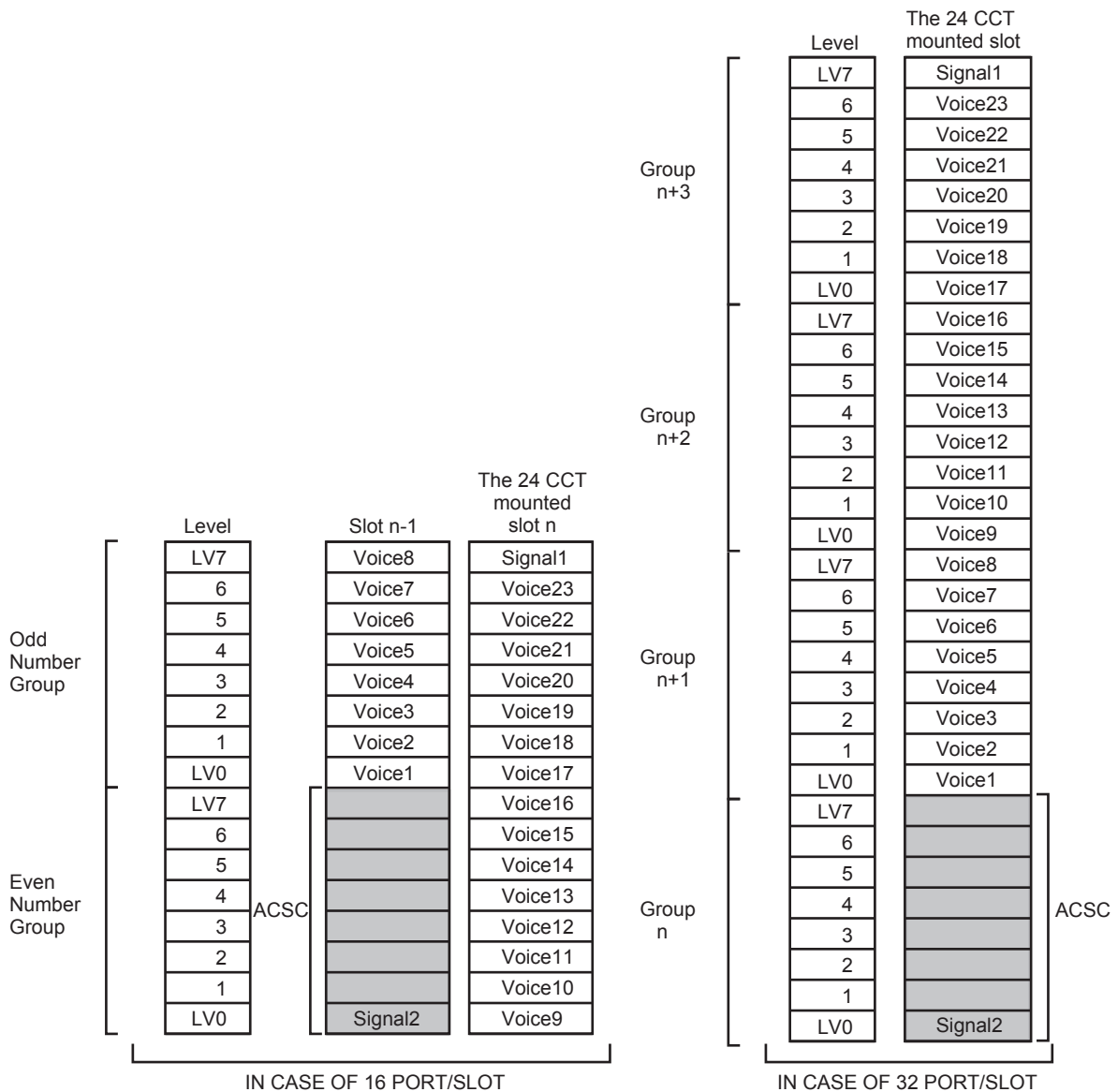
Relationships between GROUP and CICs (ACSC)

GROUP	CIC
GROUP 0	CIC8, CIC16, CIC24 CIC992
GROUP 1	CIC1, CIC9, CIC17, CIC25 CIC993
GROUP 2	CIC2, CIC10, CIC18, CIC26 CIC994
GROUP 3	CIC3, CIC11, CIC19, CIC27 CIC995
GROUP 4	CIC4, CIC12, CIC20, CIC28 CIC996
GROUP 5	CIC5, CIC13, CIC21, CIC29 CIC997
GROUP 6	CIC6, CIC14, CIC22, CIC30 CIC998
GROUP 7	CIC7, CIC15, CIC23, CIC31 CIC999

7. The D-Channel (signal channel) location should be entered in the CCH parameter as illustrated in Figure "ACSC for CCT (T1)" through Figure "ACSC for CCH/DCH", CCT, PRT, CCH/DCH respectively.

When it is a CCT card, the Signal 2 group is the location that should be entered in the CCH parameter of even and odd number CSCG.

ACSC for CCT (T1)



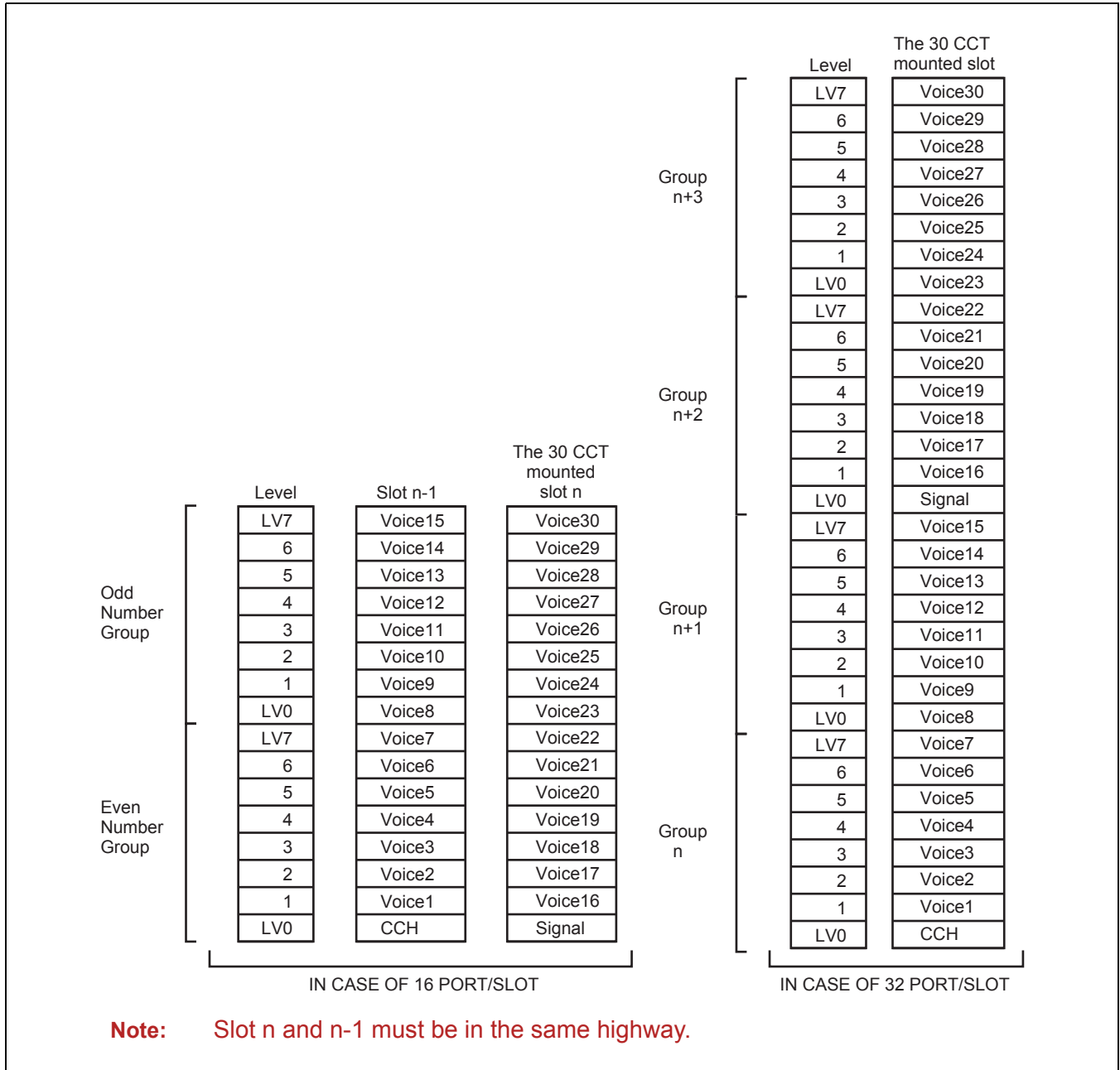
Note: Both Signal 1 and Signal 2 should be assigned as a Signal route.

Note: Slot n and n-1 must be in the same highway.

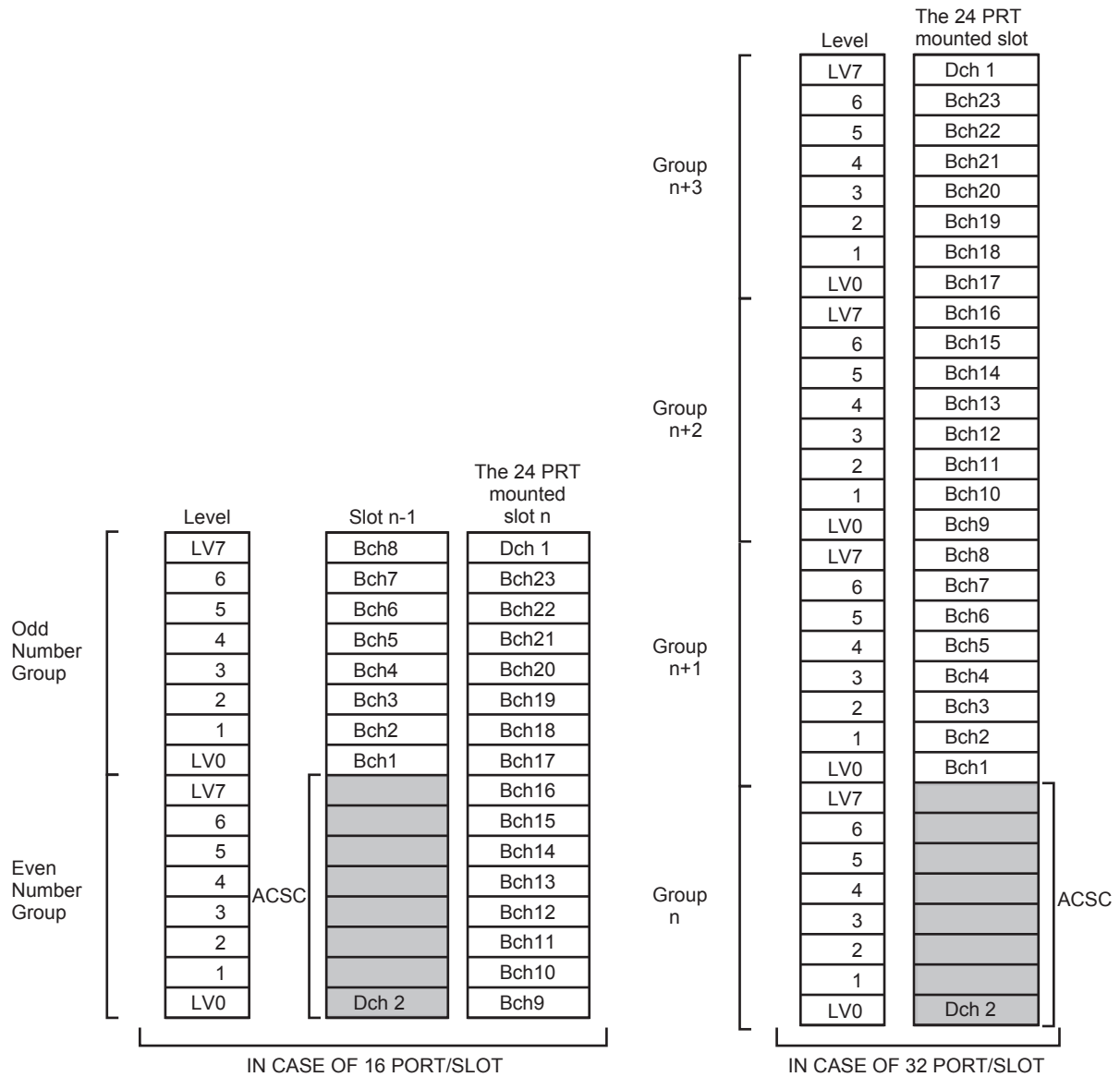
When it is PRT card, the Dch 2 group is the location that should be entered in the CCH parameter of even number CSCG, and the same location should also be entered in the CCH parameter of its consecutive odd number CSCG.

The CCH card and/or DCH card required two circuits of Common Channel Handler on a card, so the CCH/DCH 0 and CCH/DCH 1 are the locations to enter in the CCH parameter.

ACSC for CCT (E1)



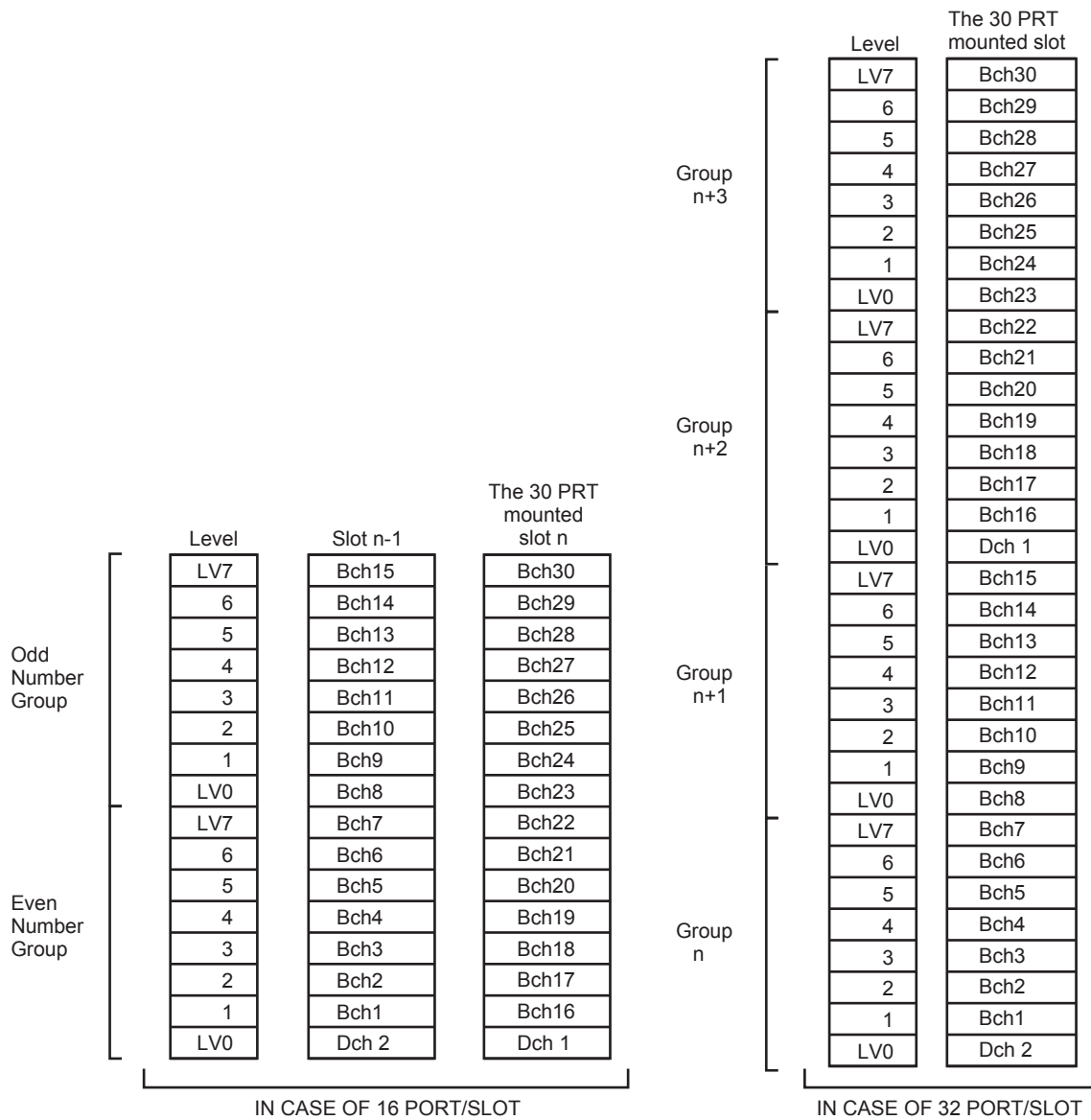
ACSC for PRT (23B+D)



Note: Both Dch 1 and Dch 2 should be assigned as a Dch route.

Note: Slot n and n-1 must be in the same highway.

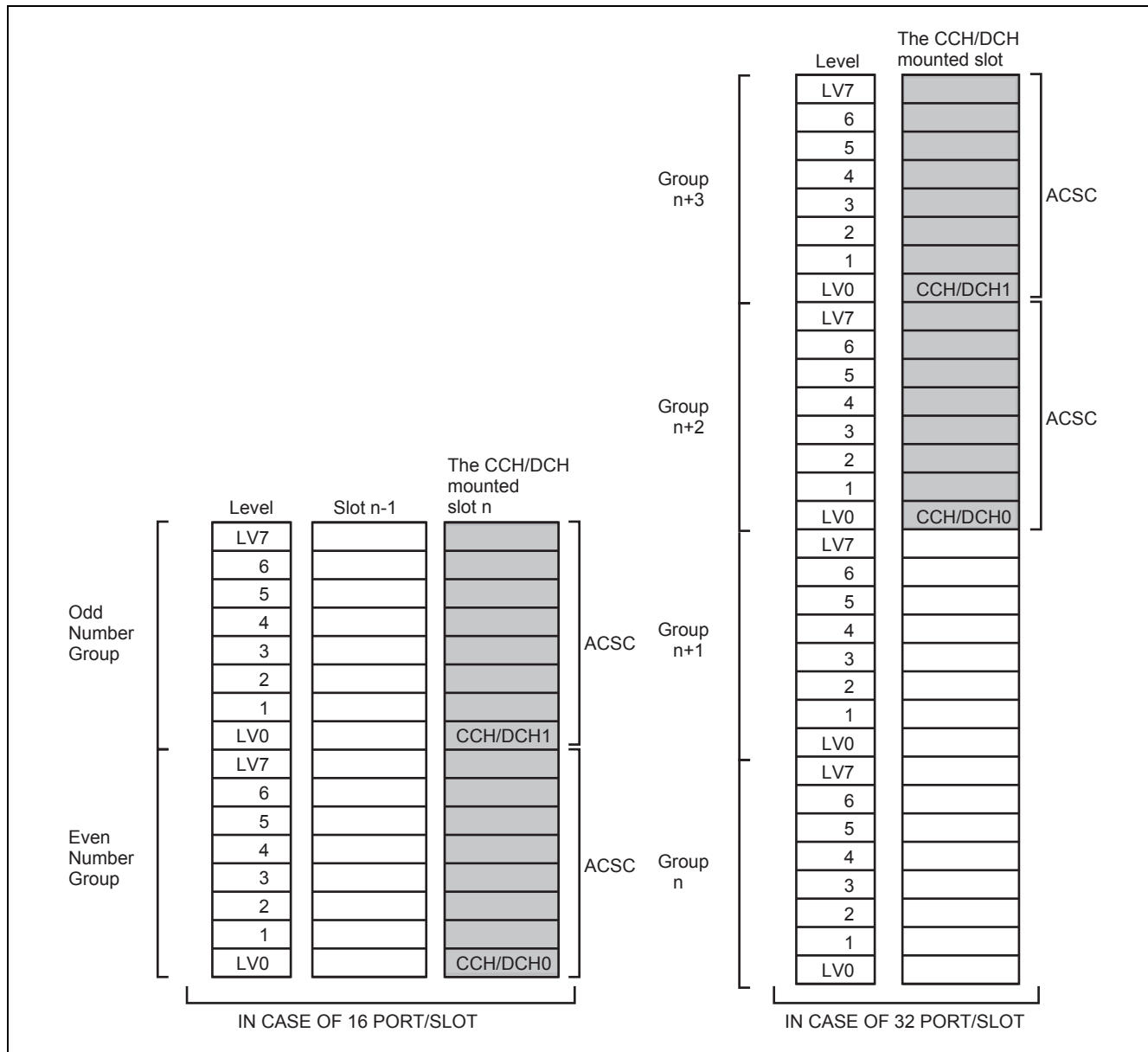
ACSC for PRT (30B+D)



Note: Both Dch 1 and Dch 2 should be assigned as a Dch route.

Note: Slot n and n-1 must be in the same highway.

ACSC for CCH/DCH



3. Data Entry Instructions

CSCG: CSC Group Number [2-127, 130-255]

Enter any even number and its consecutive odd number from 2-255 (except 128 and 129).

[CCH LIST]

GROUP: CIC Group Number [0-7]**CCH: Common Channel Signaling Controller [5 digits]**

For CCIS, enter the signal channel location of the CCT/CCH.

For ISDN, the following data should be assigned to this parameter.

Even number CSCG: D-Channel location

Odd number CSCG: The first group of B-Channel location

4. Data Sheet

(a) Even number CSCG

CSC GROUP NUMBER (CSCG) 2-254	CIC GROUP NUMBER (GROUP)	COMMON CHANNEL SIGNALLING CONTROLLER (CCH)			REMARKS
		MG	U	G	
	0				
	1				
	2				
	3				
	4				
	5				
	6				
	7				

(b) Odd number CSCG

CSC GROUP NUMBER (CSCG) 3-255	CIC GROUP NUMBER (GROUP)	COMMON CHANNEL SIGNALLING CONTROLLER (CCH)			REMARKS
		MG	U	G	
	0				
	1				
	2				
	3				
	4				
	5				
	6				
	7				

ACSC2L: Assignment of CSC Data 2 for LDM

1. General

This command is used to designate signal controlling location of PHC to the Common Channel Signaling Controller Group (CSCG) for establishing CCIS over IP network (Point-to-Multipoint configuration) using both Internal PHC and the IPTRK cards. The data assigned in this command is written in Local Data Memory (LDM).

2. Precautions

1. The CSCG represents the Point Code (PC) and the Circuit Identification Code (CIC) corresponding to the B-Channels (speech channels) of the CCIS interface as assigned in the ACIC3L/ACIC4L command.
2. The relationship between the parameter GROUP and CICs is shown below.

CIC GROUP	CIC
GROUP 0	CIC8, CIC16, CIC24, ----- CIC4088
GROUP 1	CIC1, CIC9, CIC17, CIC25, ----- CIC4089
GROUP 2	CIC2, CIC10, CIC18, CIC26, ----- CIC4090
GROUP 3	CIC3, CIC11, CIC19, CIC27, ----- CIC4091
GROUP 4	CIC4, CIC12, CIC20, CIC28, ----- CIC4092
GROUP 5	CIC5, CIC13, CIC21, CIC29, ----- CIC4093
GROUP 6	CIC6, CIC14, CIC22, CIC30, ----- CIC4094
GROUP 7	CIC7, CIC15, CIC23, CIC31, ----- CIC4095

3. The D-Channel (signal controlling channel) location should be entered in the parameter CCH. The first group LENS of PHC accommodated slot is supposed to be assigned as the CCH.

3. Data Entry Instructions

CSCG: CSC Group Number [2-127, 130-255]

Enter any even number for the basic route and its consecutive odd number within the range of 2 to 255 (except 128 and 129).

[CCH LIST]

GROUP: CIC Group Number [0-7]

FPC: Fusion Point Code [0-253]

Enter "0" for standalone system.

CCH: Common Channel Signaling Controller [5 digits]

Enter the signal channel location of PHC, the first LENS (five digits of MG, Unit, and Group) of the PHC accommodated slot.

4. Data Sheet

(a) Even number CSCG

CSC GROUP NUMBER (CSCG) 2-254	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE FPC	COMMON CHANNEL SIGNALING CON- TROLLER (CCH)			REMARKS
			MG	U	G	
	0	0				
	1					
	2					
	3					
	4					
	5					
	6					
	7					

(b) Odd number CSCG

CSC GROUP NUMBER (CSCG) 3-255	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC)	COMMON CHANNEL SIGNALING CON- TROLLER (CCH)			REMARKS
			MG	U	G	
	0	0				
	1					
	2					
	3					
	4					
	5					
	6					
	7					

ACSC2N: Assignment of CSC Data 2 for NDM

1. General

This command is used to designate the signal controlling location of PHC to the Common Channel Signaling Controller Group (CSCG) for establishing the CCIS over IP network (Point-to-Multipoint configuration) using both Internal PHC and the IPTRK cards. The data assigned in this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The CSCG represents the Point Code (PC) and the Circuit Identification Code (CIC) corresponding to the B-Channels (speech channels) of the CCIS interface as assigned in the ACIC3N/ACIC4L command.
2. The relationship between the parameter GROUP and CICs is shown below.

CIC GROUP	CIC
GROUP 0	CIC8, CIC16, CIC24, ----- CIC4088
GROUP 1	CIC1, CIC9, CIC17, CIC25, ----- CIC4089
GROUP 2	CIC2, CIC10, CIC18, CIC26, ----- CIC4090
GROUP 3	CIC3, CIC11, CIC19, CIC27, ----- CIC4091
GROUP 4	CIC4, CIC12, CIC20, CIC28, ----- CIC4092
GROUP 5	CIC5, CIC13, CIC21, CIC29, ----- CIC4093
GROUP 6	CIC6, CIC14, CIC22, CIC30, ----- CIC4094
GROUP 7	CIC7, CIC15, CIC23, CIC31, ----- CIC4095

3. The D-Channel (signal controlling channel) location should be entered in the parameter CCH. The 1st group LENS of PHC accommodated slot is supposed to be assigned as the CCH.

3. Data Entry Instructions

CSCG: CSC Group Number [2-127, 130-255]

Enter any even number for basic route and its consecutive odd number within the range of 2 to 255 (except 128 and 129).

[CCH LIST]

GROUP: CIC Group Number [0-7]

FPC: Fusion Point Code [1-253]

CCH: Common Channel Signaling Controller [5 digits]

Enter the signal channel location of PHC, the first LENS (5 digits of MG, Unit, and Group) of the PHC accommodated slot.

4. Data Sheet

(a) Even number CSCG

CSC GROUP NUMBER (CSCG) 2-254	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC) 1-253	COMMON CHAN- NEL SIGNALING CONTROLLER (CCH)			REMARKS
			MG	U	G	
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					

(b) Odd number CSCG

CSC GROUP NUMBER (CSCG) 3-255	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC) 1-253	COMMON CHAN- NEL SIGNALING CONTROLLER (CCH)			REMARKS
			MG	U	G	
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					

ACSCL: Assignment of CSC Data for LDM

1. General

This command assigns the Common Channel Handler (CCH) location of the Common Channel Signaling Controller Group (CSCG). This data is written in Local Data Memory (LDM).

2. Precautions

1. The CSCG represents the Point Code (PC) and the Circuit Identification Code (CIC) that corresponds to the B-Channels (voice channels) of the CCIS interface as assigned by the ACIC2 command.
2. The CSCG parameter accepts with a range of 2 to 255 (except 128 and 129).
3. The even number CSCG and its consecutive odd number CSCG are a CSCG pair. (Example, CSCG 2 and CSCG 3 are the CSCG pair.)
4. In the case of CCIS, the Common Channel Handler (CCH) circuit entered in the CCH parameters within a CSCG pair share their work load. When CCH of GROUP 0 has a heavy load, GROUP 1's CCH takes over the job. When all of the CCH within the even number CCHs load becomes high, its consecutive odd number CSCG's CCHs share their work load.
5. The Common Channel Handler (CCH) circuit handles the CIC (B-Channels). The table below shows the relationship between GROUP and CICs.

Relationships between GROUP and CICs (ACSCL)

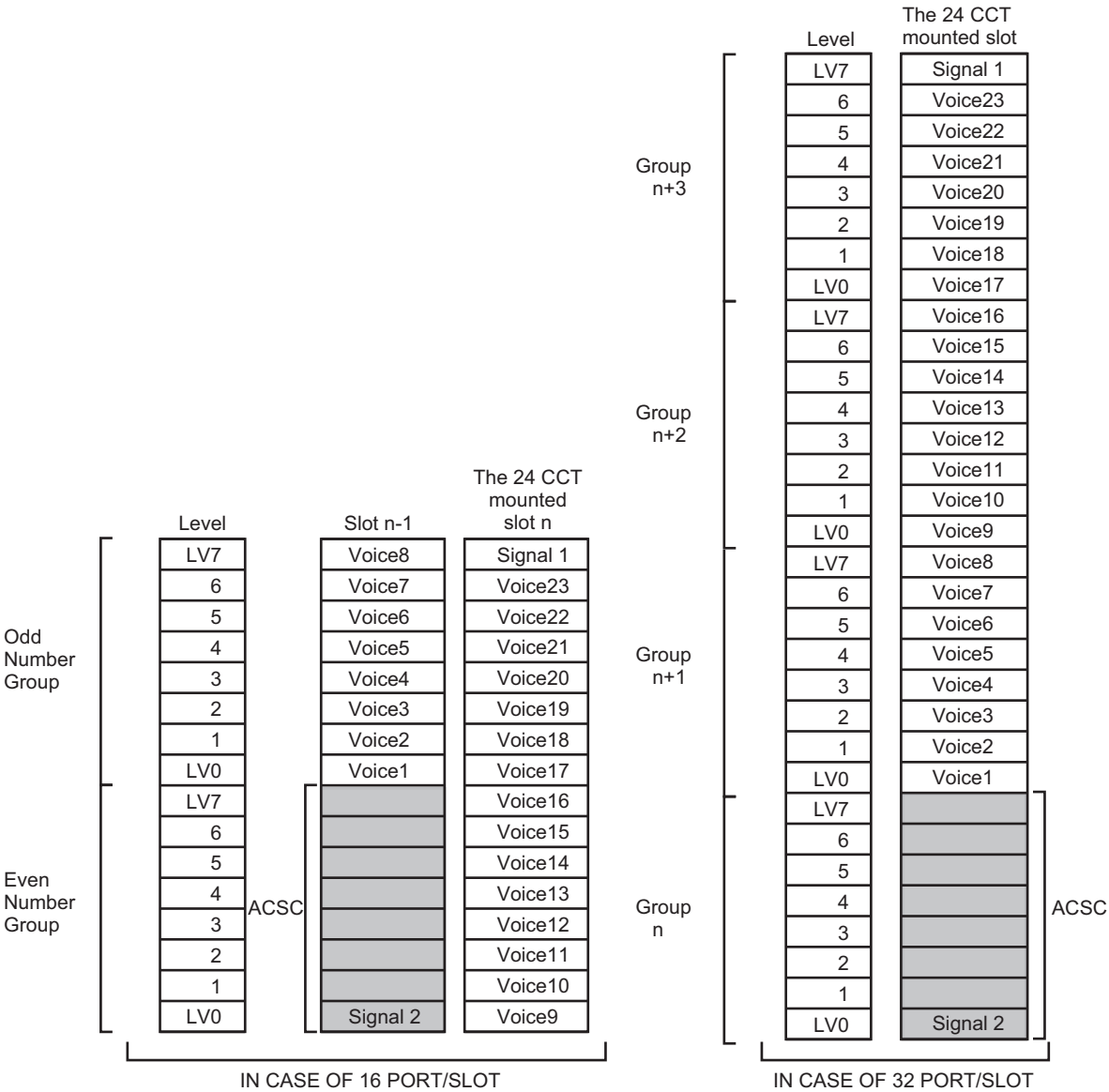
GROUP	CIC
GROUP 0	CIC8, CIC16, CIC24 CIC992
GROUP 1	CIC1, CIC9, CIC17, CIC25 CIC993
GROUP 2	CIC2, CIC10, CIC18, CIC26 CIC994
GROUP 3	CIC3, CIC11, CIC19, CIC27 CIC995
GROUP 4	CIC4, CIC12, CIC20, CIC28 CIC996
GROUP 5	CIC5, CIC13, CIC21, CIC29 CIC997
GROUP 6	CIC6, CIC14, CIC22, CIC30 CIC998
GROUP 7	CIC7, CIC15, CIC23, CIC31 CIC999

6. The D-Channel (signal channel) location should be entered in the CCH parameter as illustrated in Figure "ACSCL for CCT (T1)", Figure "ACSCL for CCT (E1)" and Figure "ACSCL for CCH" respectively.

When it is a CCT card, the Signal 2 involved group is the location that should be entered in the CCH parameter of even and odd number CSCG.

The CCH card equipped two circuits of Common Channel Handler on a card, so the CCH 0 and CCH 1 are the locations to enter in the CCH parameter.

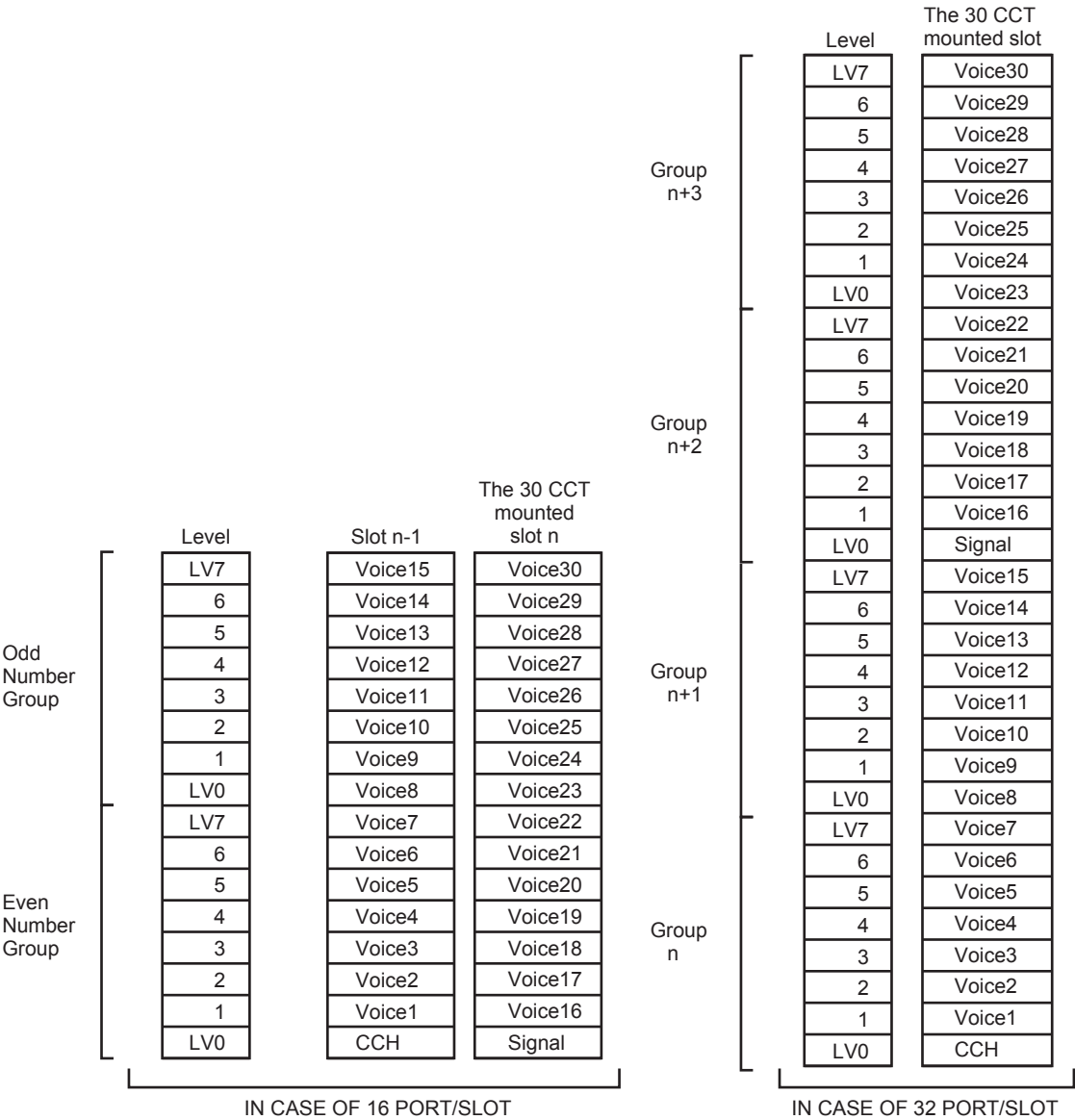
ACSCL for CCT (T1)



Note: Both Signal 1 and Signal 2 should be assigned as a Signal route.

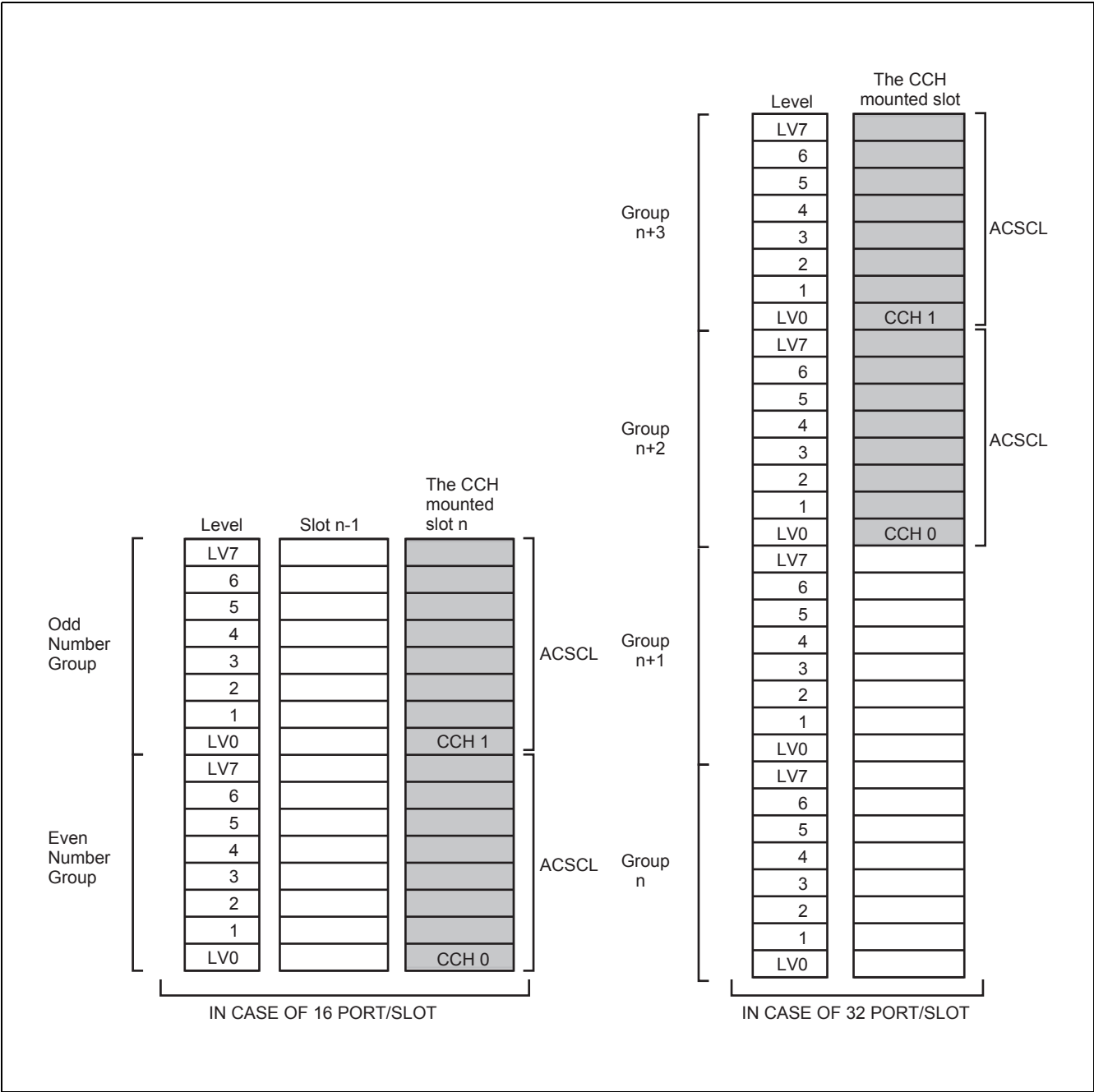
Note: Slot n and n-1 must be in the same highway.

ACSCL for CCT (E1)



Note: Slot n and n-1 must be in the same highway.

ACSCL for CCH



3. Data Entry Instructions

CSCG: CSC Group Number [2-127, 130-255]

Enter any even number and its consecutive odd number from 2-255 (except 128 and 129).

[CCH LIST]

GROUP: CIC Group Number [0-7]**FPC: Fusion Point Code [1-253]****CCH: Common Channel Signaling Controller [5 digits]**

For CCIS, enter the signal channel location of the CCT/CCH.

4. Data Sheet

(a) Even number CSCG

CSC GROUP NUMBER (CSCG) 130-254	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC) 1-253	COMMON CHANNEL SIGNALLING CONTROLLER (CCH)			REMARKS
			MG	U	G	
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					

(b) Odd number CSCG

CSC GROUP NUMBER (CSCG) 131-255	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC) 1-253	COMMON CHANNEL SIGNALLING CONTROLLER (CCH)			REMARKS
			MG	U	G	
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					

ACSCN: Assignment of CSC Data for NDM

1. General

This command assigns the Common Channel Handler (CCH) location of the Common Channel Signaling Controller Group (CSCG) for the CCIS connected node with the FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The CSCG represents the Point Code (PC) and the Circuit Identification Code (CIC) that correspond to the B-Channels (voice channels) of the CCIS interface as assigned by the ACIC2 command.
2. The CSCG parameter accepts with a range of 2 to 255 (except 128 and 129).
3. The even number CSCG and its consecutive odd number CSCG are a CSCG pair. (Example, CSCG 2 and CSCG 3 are the CSCG pair.)
4. In the case of CCIS, the Common Channel Handler (CCH) circuit entered in the CCH parameters within a CSCG pair share their work load. When CCH of GROUP 0 has a heavy load, GROUP 1's CCH takes over the job. When all of the CCH within the even number CCH load become high, its consecutive odd number CSCG's CCHs share their work load.
5. The Common Channel Handler circuit handles the CIC (B-Channels). The relationships between GROUP and CICs are shown below.

Relationships between GROUP and CICs (ACSCN)

GROUP	CIC
GROUP 0	CIC8, CIC16, CIC24 CIC992
GROUP 1	CIC1, CIC9, CIC17, CIC25 CIC993
GROUP 2	CIC2, CIC10, CIC18, CIC26 CIC994
GROUP 3	CIC3, CIC11, CIC19, CIC27 CIC995
GROUP 4	CIC4, CIC12, CIC20, CIC28 CIC996
GROUP 5	CIC5, CIC13, CIC21, CIC29 CIC997
GROUP 6	CIC6, CIC14, CIC22, CIC30 CIC998
GROUP 7	CIC7, CIC15, CIC23, CIC31 CIC999

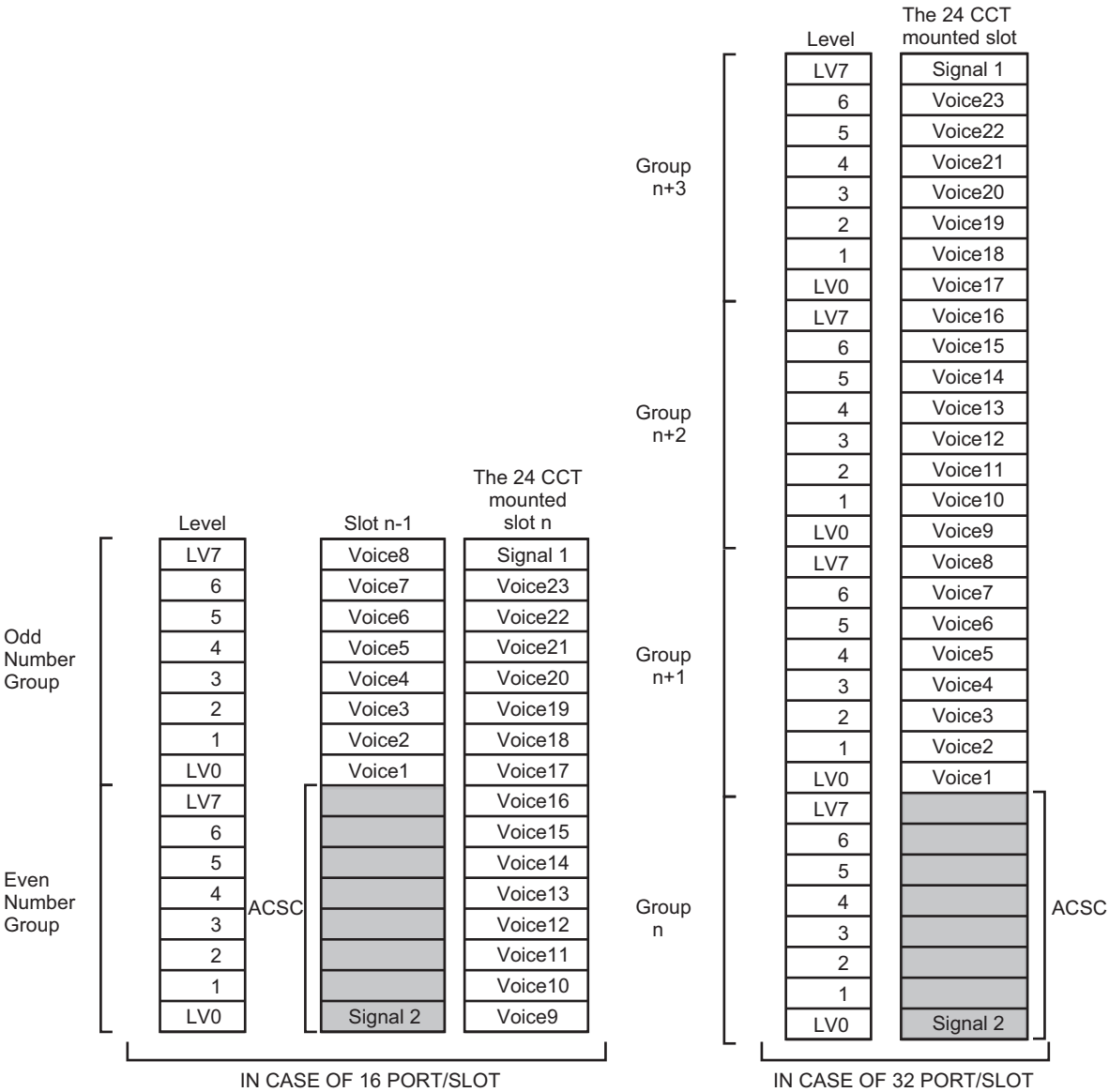
6. The D-Channel (signal channel) location should be entered in the CCH parameter as shown in figures "ACSCN for CCT (T1)", "ACSCN for CCT (E1)" and "ACSCN for CCH" respectively.

When it is a CCT card, the Signal 2 involved group is the location that should be entered in the CCH parameter of even and odd number CSCG.

The CCH card equipped two circuits of Common Channel Handler on a card, so the CCH 0 and CCH 1 are the locations to enter in the CCH parameter.

7. When assigning the signal channel data for CCIS link within the FCCS Network by this ACSCN (NDM) command, the existing CCIS/ISDN data in DM and LDM turns invalid.

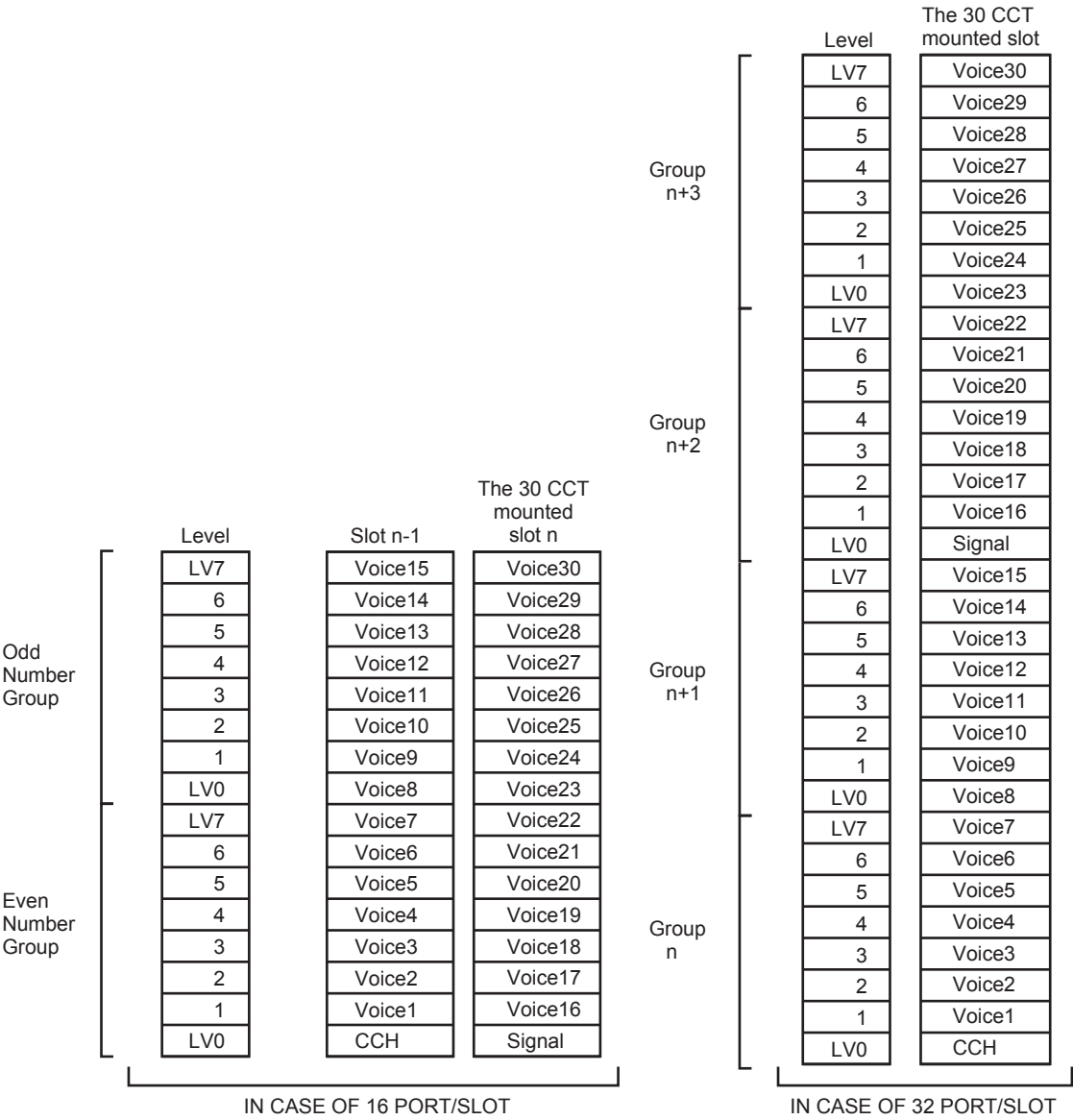
ACSCN for CCT (T1)



Note: Both Signal 1 and Signal 2 should be assigned as a Signal route.

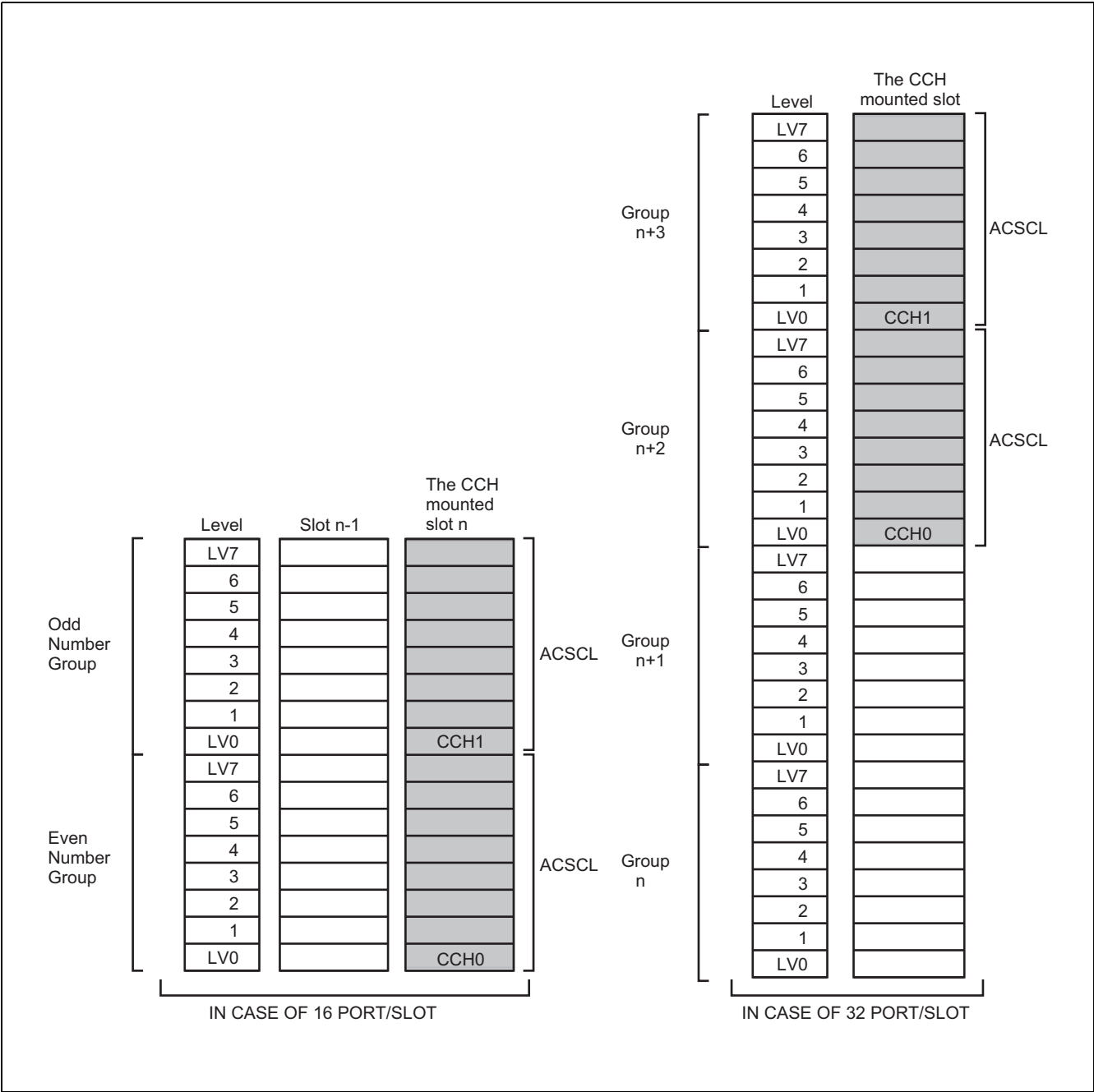
Note: Slot n and n-1 must be in the same highway.

ACSCN for CCT (E1)



Note: Slot n and n-1 must be in the same highway.

ACSCN for CCH



3. Data Entry Instructions

CSCG: CSC Group Number [2-127, 130-255]

Enter any even number and its consecutive odd number within 2-255 (128 and 129 are not used).

Note: It is recommended that the CSCG should be assigned in the range of 2-127 for the CCIS setting connected to the FCCS Network. Be sure not to assign the CSCG duplicated to the one already used in the existing ISDN data.

[CCH LIST]

GROUP: CIC Group Number [0-7]**FPC: Fusion Point Code [1-253]****CCH: Common Channel Signaling Controller [5 digits]**

For CCIS, enter the signal channel location of the CCT/CCH.

4. Data Sheet

(a) Even number CSCG

CSC GROUP NUMBER (CSCG) 2-254	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC) 1-253	COMMON CHANNEL SIGNALLING CONTROLLER (CCH)			REMARKS
			MG	U	G	
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					

(b) Odd number CSCG

CSC GROUP NUMBER (CSCG) 3-255	CIC GROUP NUMBER (GROUP)	FUSION POINT CODE (FPC) 1-253	COMMON CHANNEL SIGNALLING CONTROLLER (CCH)			REMARKS
			MG	U	G	
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					

ACSI: Assignment of Connection Service Index Data

1. General

This command assigns the call termination for Direct-In Termination (Day and Night), Night Connection and Remote Access to the system.

2. Precautions

1. The ACFR command assignment is also required to assign the trunk incoming call termination service feature.
2. When setting the CSI to “6” (Night Connection-Outside) or “7” (Direct-in Termination-Outside) using this command, the ADC must be set by the ASPD command.
3. Use the ACSA command, instead of this command, if Direct-In Termination (Day mode only) is required.
4. When the PFT control by the external key is required, the following data assignments are needed:
 - (a) AUNT command, TYPE=2 (PFT)
 - (b) AEKD command
 - (c) ANCD command
 - (d) ACSI command, CSI=4 (Direct-In Termination (Night Mode)) **Note 1**
5. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the Tenant Number that this command effects.

Note 1: If CSI=4 Direct-In Termination (Night Mode) is assigned in the ACSI command, CCI=1 & CCI=4 for TSFI=2 must be set to data “1 (allowed)” in the ACFR command.

3. Data Entry Instructions

RT: External Route Number [1-255]

TK: Trunk Number [1-255]

CSI: Connection Service Index [1-7]

1=Not used

2=Virtual Line Termination

3=Direct-In Termination (Day and Night Mode)

4=Direct-In Termination (Night Mode)

5=Remote Access to Node

6=Night Connection-Outside

7=Direct-In Termination-Outside (Day and Night Mode)

TN: Tenant Number

This parameter appears when CSI=2, 3 or 4.

STN: Station number

This parameter appears when CSI=2, 3 or 4.

ADC: Abbreviated Digit Code [Maximum four digits]

This parameter appears when CSI=6/7.

The dialed number corresponds to the ADC and is assigned by the ASPD command.

4. Data Sheet

[illegible]

ACSL: Assignment of Connection Service Index Data for LDM

1. General

This command assigns the call termination for Direct-In Termination (Day and Night), Night Connection and Remote Access to System for the Local Node (LN) in FCCS Network.

2. Precautions

1. The ACFR command assignment is also required to assign the trunk incoming call termination service feature.
2. When setting the CSI to “6” (Night Connection-Outside) or “7” (Direct-In Termination-Outside) using this command, the ADC must be set by the ASPD command.
3. Use the ACSAL command, instead of this command, if Direct-In Termination (Day mode only) is required.
4. When the PFT control by the external key is required, the following data assignments are needed:
 - (a) AUNT command, TYPE=2 (PFT)
 - (b) AEKD command
 - (c) ANCD command
 - (d) ACSIL command, CSI=4 (Direct-In Termination (Night Mode)) **Note 1**

Note 1: If CSI=4 Direct-in Termination (Night Mode) is to be assigned in the ACSIL command, CCI=1 & CCI=4 for TSFI=2 must be set to data “1 (allowed)” in the ACFR command.

5. Specify a range of Logical Route Numbers for the RT/LGRT parameter in the LCSIL command; the command searches through the data stored in the node where the PCPro is logged in, and returns the matching records that contain information on a Physical Route (RT) associated with a Logical Route (LGRT) (**Note 2**).

Note 2: The LGRTs are assigned with the ALRTN command.

3. Data Entry Instructions

RT / LGRT: External Route Number / Logical Route Number [1-899]

TK: Trunk Number [1-255]

CSI: Connection Service Index [1-7]

1=Not used

2=Virtual Line Termination

3=Direct-In Termination (Day and Night Mode)

4=Direct-In Termination (Night Mode)

5=Remote Access to Node

6=Night Connection-Outside

7=Direct-In Termination-Outside (Day and Night Mode)

UGN: User Group Number [1-255]

This parameter appears when CSI=2, 3 or 4.

TELN: Telephone Number

This parameter appears when CSI=2, 3 or 4.

ADC: Abbreviated Digit Code [Maximum four digits]

This parameter appears when CSI=6/7.

The dialed number corresponds to the ADC and is assigned by the ASPD command.

4. Data Sheet

EXTERNAL ROUTE NUMBER / LOGICAL ROUTE NUMBER (RT/LGRT)	TRUNK NUMBER (TK)	USER GROUP NUMBER (UGN)	CONNECTION SERVICE INDEX (CSI) 1 – 7	TERMINATING STATION		ABBREVIATED DIGIT CODE (ADC) MAXIMUM 4 DIG- ITS
				TENANT NUMBER (TN)	TELEPHONE NUMBER (TELN)	

ACSIN: Assignment of Connection Service Index Data for NDM

1. General

This command assigns the call termination for Direct-In Termination (Day and Night), Night Connection and Remote Access to System for the Local Node (LN) in FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The ACFRN command assignment is also required to assign the trunk incoming call termination service feature.
2. When setting the CSI to “6 (Night Connection-Outside)” or “7 (Direct-In Termination-Outside)” using this command, the ADC must be set by the ASPD command.
3. Use the ACSAL command, instead of this command, if Direct-In Termination (Day mode only) is required.
4. When the PFT control by the external key is required, the following data assignments are needed:
 - (a) AUNT command, TYPE=2 (PFT)
 - (b) AEKD command
 - (c) ANCD command
 - (d) ACSIL command, CSI=4 (Direct-In Termination (Night Mode)) **Note 1**

Note 1: If CSI=4 Direct-in Termination (Night Mode) is to be assigned in the ACSIL command, CCI=1 & CCI=4 for TSFI=2 must be set to data “1 (allowed)” in the ACFR command.

3. Data Entry Instructions

INPUT STYLE: [RT/LGRT]

Select the input style RT or LGRT.

- ◆ When INPUT STYLE=LGRT is selected:

LGRT: Logical Route Number [1-899]

TK: Trunk Number [1-255]

- ◆ When INPUT STYLE=RT is selected:

FPC: Fusion Point Code [1-253]

RT: External Route Number [1-]

TK: Trunk Number [1-255]

CSI: Connection Service Index [1-7]

1=Not used

2=Virtual Line Termination

3=Direct-In Termination (Day and Night Mode)

4=Direct-In Termination (Night Mode)

5=Remote Access to Node

6=Night Connection-Outside

7=Direct-In Termination-Outside (Day and Night Mode)

UGN: User Group Number [1-255]

This parameter appears when CSI=2, 3 or 4.

TELN: Telephone Number

This parameter appears when CSI=2, 3 or 4.

ADC: Abbreviated Digit Code [Maximum four digits]

This parameter appears when CSI=6/7.

The dialed number corresponds to the ADC and is assigned by the ASPD command.

4. Data Sheet

LOGICAL ROUTE NUMBER (LGRT)	TRUNK NUMBER (TK)	USER GROUP NUMBER (UGN)	CONNECTION SERVICE INDEX (CSI) 1 - 7	TERMINATING STATION		ABBREVIATED DIGIT CODE (ADC) MAXIMUM 4 DIG- ITS
				TENANT NUMBER (TN)	TELEPHONE NUMBER (TELN)	

ACTK: Assignment of Connection Trunk Data for LDM

1. General

This command assigns the connection trunk used in the FCCS Network link.

2. Precautions

1. Before executing this command, assign the connection route class data using the ACRD command.
2. The available connection route numbers are 1-1023.
3. The available connection trunk numbers are 1-4095.
4. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

C_RT: Connection Route Number [1-1023]

The route assigned for B-Channel and D-Channel.

C_TK: Connection Trunk Number [1-4095]

The Connection Trunk controlled by the connection route.

C_LENS: Connection Equipment Numbers

LENS of the trunk for B-Channel and D-Channel.

4. Data Sheet

[illegible]

ACTKC : Assignment of Connection Trunk Data - Continuous for LDM

1. General

This command assigns and deletes the connection trunk data for B-Channel/D-Channel route by designating the range of trunk numbers and LENS.

2. Precautions

This command can be used only when the Node and the PCPro are connected in on-line state.

3. Data Entry Instructions

C_RT: Connection Route Number [1-1023] Note 1

The route assigned for B-Channel and D-Channel.

C_TK: Connection Trunk Number [1-4095] Note 1

The connection trunk controlled by the connection route. Enter the range of trunk numbers assigned/deleted.

STEP: Count Up Step [1-10] Note 1

Specify the interval between the consecutive connection trunk numbers assigned/deleted.

Example: C_TK (START)=1, STEP=3 is entered, connection trunk number is assigned/deleted as follows;

[1, 4, 7, 10, 13, 16, ...]

Note 1: When Delete is selected in KIND box, the data for C_RT, C_TK and STEP is required.

C_LENS: Connection Equipment Numbers

LENS of the trunk for B-Channel and D-Channel.

GROUP: Group Number [0-31]

Enter the first/last group number.

LEVEL: Level Number [0-7]

Enter the first/last level number.

TYPE: Count Up Type [1-6]

This parameter determines how to arrange the trunk data. Refer to the next pages for more detailed explanations.

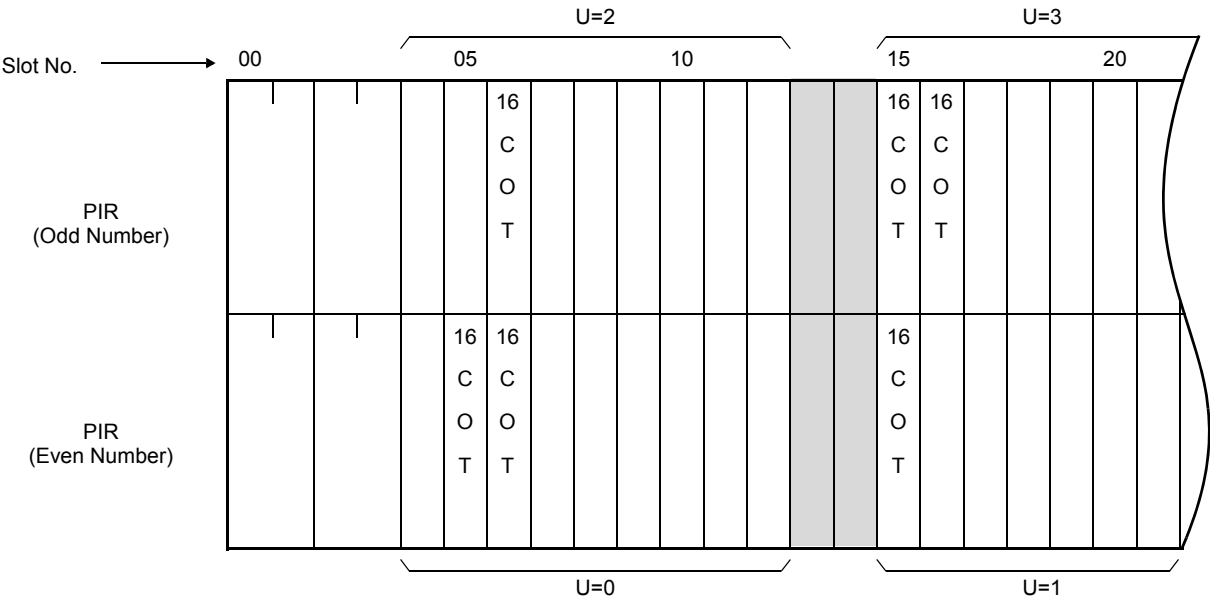
- 1: LEVEL → GROUP → UNIT
- 2: LEVEL → UNIT → GROUP
- 3: GROUP → UNIT → LEVEL
- 4: GROUP → LEVEL → UNIT
- 5: UNIT → LEVEL → GROUP
- 6: UNIT → GROUP → LEVEL

Note: When the assignment/deletion is successful, OK displays in STATUS grid. Otherwise, a related error message is provided.

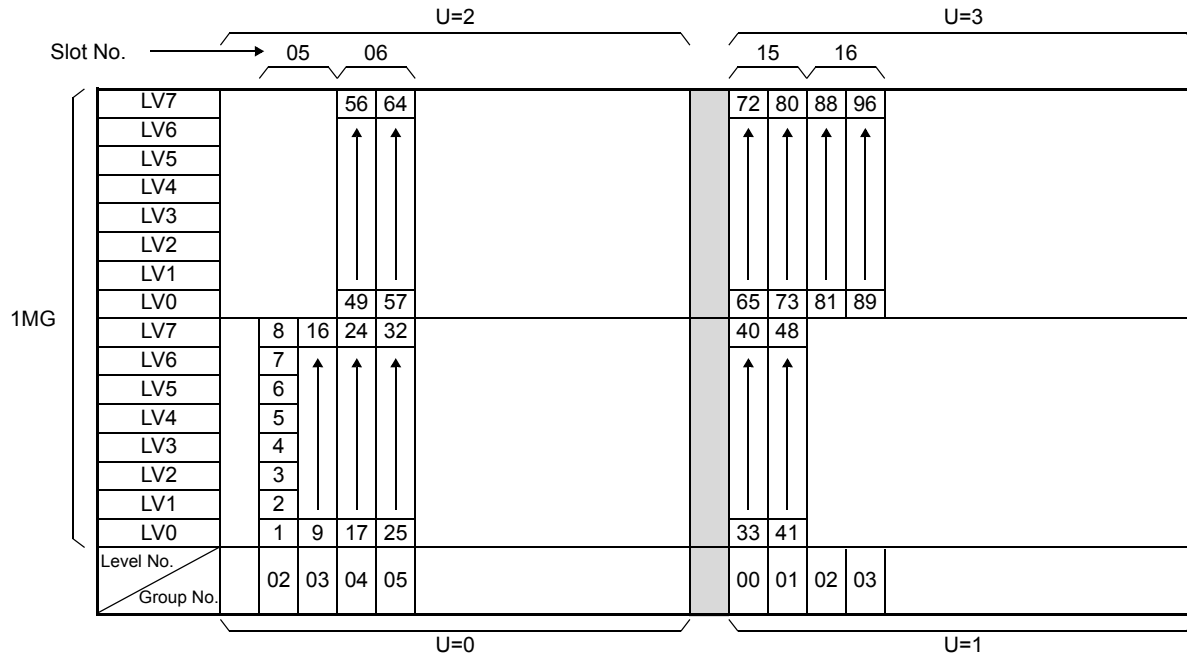
Details on Trunk Arrangement TYPE

When assigning the consecutive trunk data using the ACTKC command, select the trunk arrangement type (1-6) in the TYPE parameter.

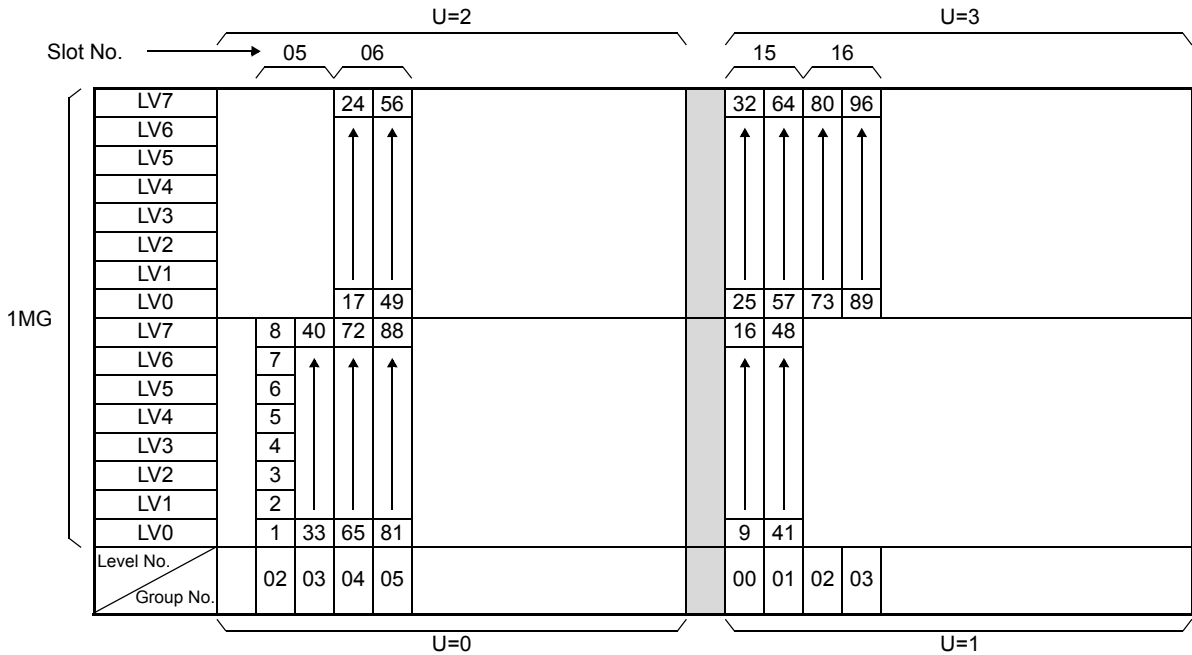
The following examples apply when 8U-PIRs accommodate 16 COT circuit cards:



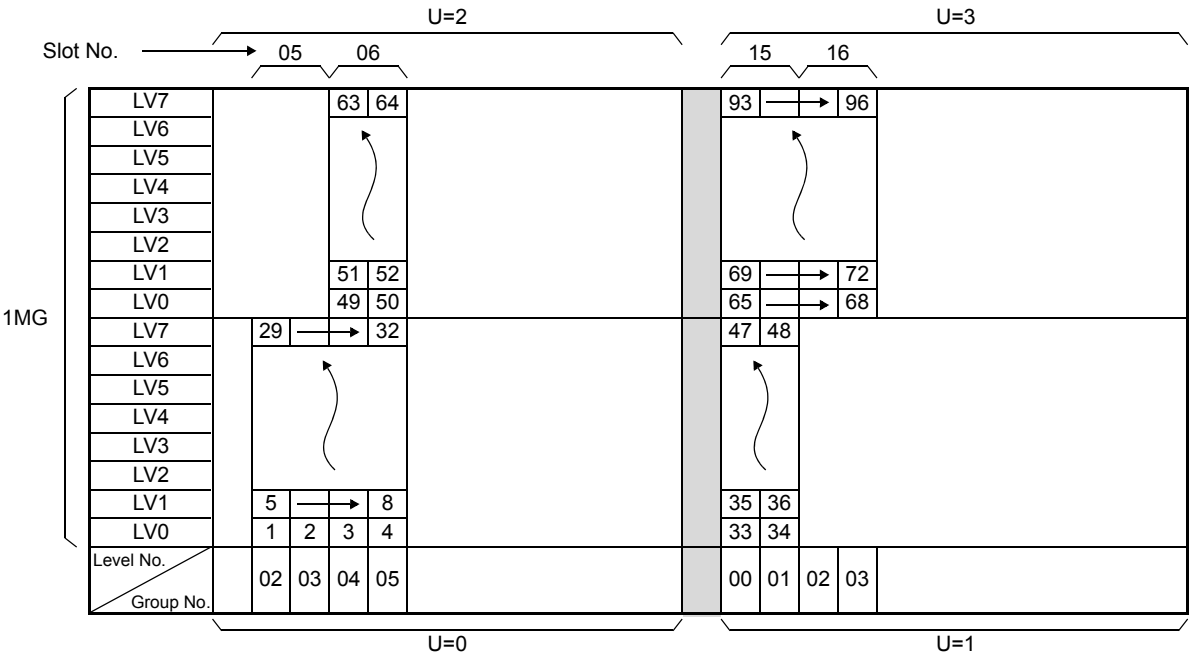
- TYPE=1 (Level → Group → Unit)
Trunk data is arranged in the following numerical order.



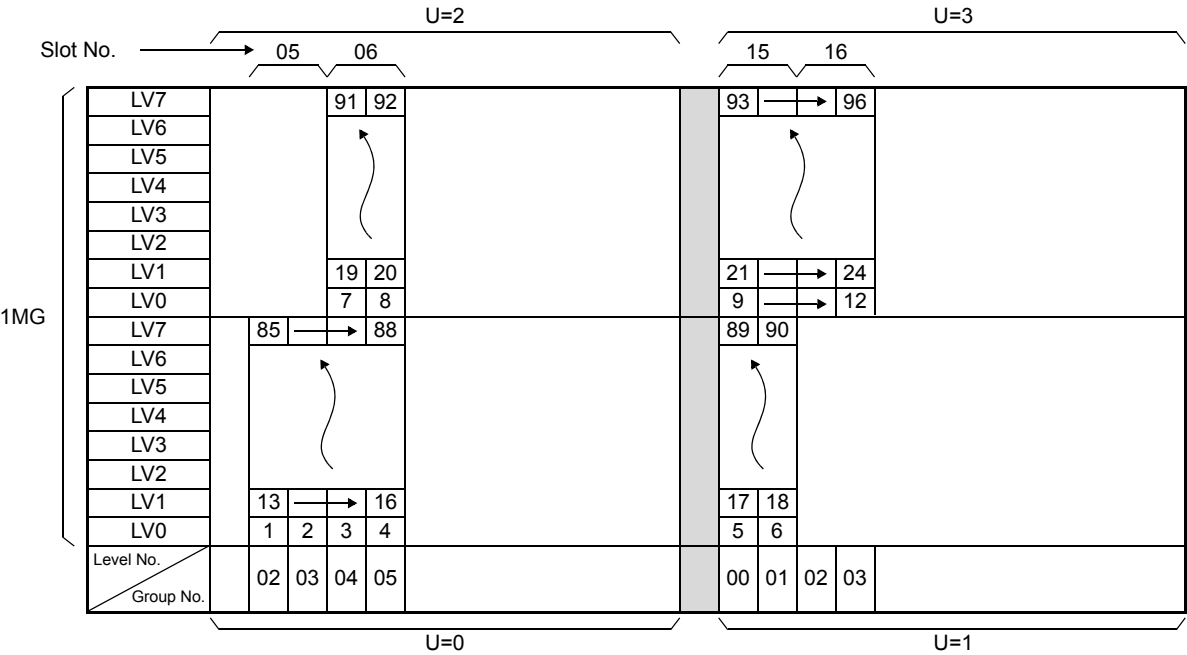
- TYPE=2 (Level → Unit → Group)
Trunk data is arranged in the following numerical order.



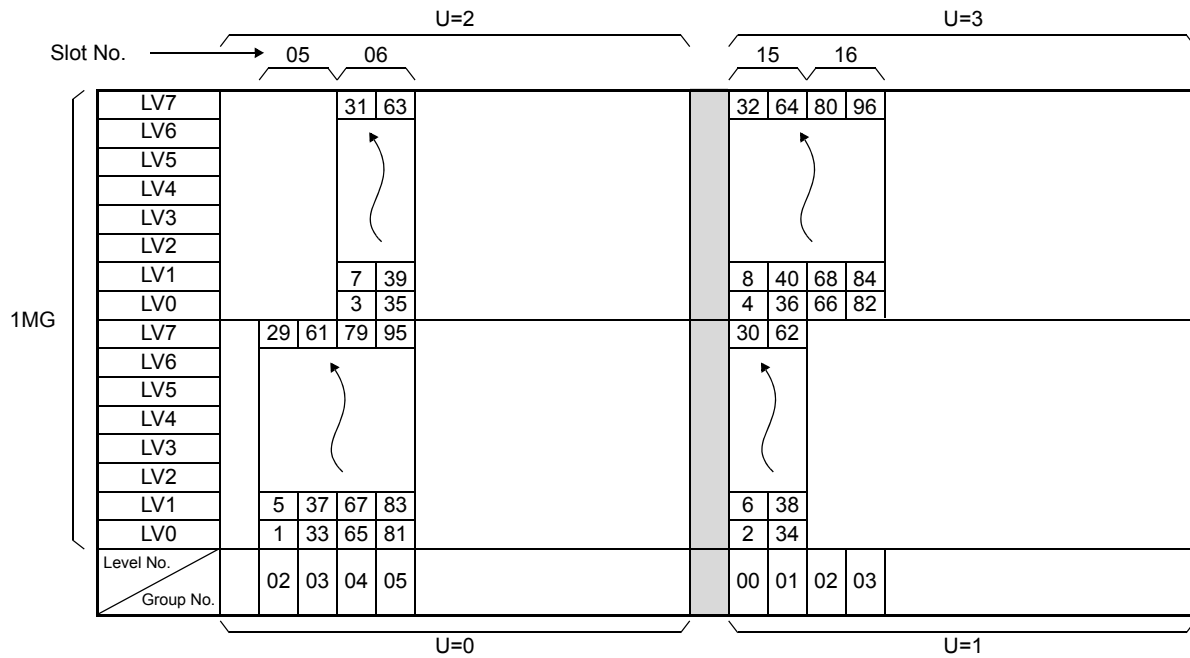
- TYPE=3 (Group → Level → Unit)
Trunk data is arranged in the following numerical order.



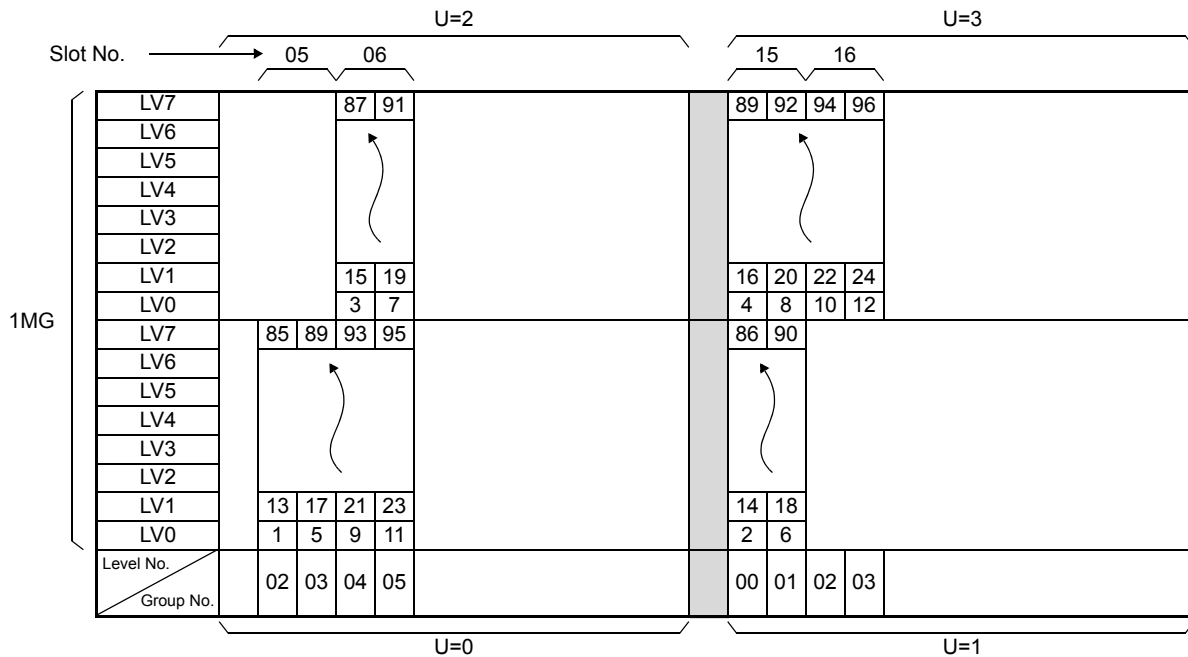
- TYPE=4 (Group → Unit → Level)
Trunk data is arranged in the following numerical order.



- TYPE=5 (Unit → Level → Group)
Trunk data is arranged in the following numerical order.



- TYPE=6 (Unit → Group → Level)
Trunk data is arranged in the following numerical order.



4. Data Sheet

[illegible]

ADA1: Assignment of DTE Attribute Data 1

1. General

This command is used to assign and delete Attribute Data 1 for each terminal (DTE). Attribute Data 1 is stored as the office data of the switching unit, and is rarely modified in normal operation. Attribute Data 2, on the other hand, is stored on the data terminal side and is modified in the course of operation.

2. Precautions

1. This data can be set for the following Telephone Equipment Class (TEC):

TEC=13 (DTE via Dterm)

Refer to ASDT/AAST command.

3. Data Entry Instructions

See the Data Sheet in Section 4.

4. Data Sheet

CDN	TENANT NUMBER (TN) 1 ~ 63				
	STATION NUMBER (STN) MAXIMUM 6 DIGITS				
1	MEDIA	Media (1-15) 1=Voice 2=Data 3=FAX 4=Telex 5=Teletex 6=Image 7-15=Not used			
2	CNTP	Connection Protocol (0-15) 0=ICS Protocol 1=X.20 2=X.21 3=V.24 200 Series 4=X.20 bis 5=X.21 bis 6-15=Not used			
3	TCP	Transmission Control Protocol (0-255) 0=Free Wheeling 1=Synchronous Non Protocol 2=X.25 3=X.75 4=IBM 2780 5=IBM 3740 6=IBM 3770 7=IBM 3780 8=IBM BSC Polled (3270 Terminal) 9=IBM BSC Polling (3270 HOST) 10=IMB SDLC Polled (3270 Terminal) 11=IMB SDLC Polling (3270 HOST) 12=Teletex 13=Telex 14=FAX G3 MH 15=FAX G3 MR 16=FAX G4 MH 17=FAX G4 MR 18-255=Not used			
4	FCY	Facility (0-3) 0=Bothway 1=Outgoing 2=Incoming 3=Not used			
5	PRI	Priority (0/1) 0=Outgoing 1=Incoming			
6	RST	Restriction (0/1) 0=Connection is restricted 1=Connection is not restricted			
7	SRP	Send Receive Priority (0/1) 0=Data Receive Priority for Called Party 1=Data Send Priority for Called Party			
8	CI	CI Signal Control (0/1)(1 digit fix) 0=CI Signal Interval Control 1=CI Signal Continuous Control			

ADA1_T: Assignment of DTE Attribute Data 1 – Telephone Number

1. General

This command is used to assign and delete Attribute Data 1 for each terminal (DTE). Attribute Data 1 is stored as the office data of the switching unit, and is rarely modified in normal operation. Attribute Data 2, on the other hand, is stored on the data terminal side and is modified in the course of operation. The station data can be assigned by using a Telephone Number.

2. Precautions

1. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. This data can be set for the following Telephone Equipment Class (TEC):

TEC=13 (DTE via Dterm)

Refer to ASDT/AAST command.

3. Data Entry Instructions

See the Data Sheet in Section 4.

4. Data Sheet

CDN	USER GROUP NUMBER (UGN)				
	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS				
1	MEDIA	Media (1-15) 1=Voice 2=Data 3=FAX 4=Telex 5=Teletex 6=Image 7-15=Not used			
2	CNTP	Connection Protocol (0-15) 0=ICS Protocol 1=X.20 2=X.21 3=V.24 200 Series 4=X.20 bis 5=X.21 bis 6-15=Not used			
3	TCP	Transmission Control Protocol (0-255) 0=Free Wheeling 1=Synchronous Non Protocol 2=X.25 3=X.75 4=IBM 2780 5=IBM 3740 6=IBM 3770 7=IBM 3780 8=IBM BSC Polled (3270 Terminal) 9=IBM BSC Polling (3270 HOST) 10=IMB SDLC Polled (3270 Terminal) 11=IMB SDLC Polling (3270 HOST) 12=Teletex 13=Telex 14=FAX G3 MH 15=FAX G3 MR 16=FAX G4 MH 17=FAX G4 MR 18-255=Not used			
4	FCY	Facility (0-3) 0=Bothway 1=Outgoing 2=Incoming 3=Not used			
5	PRI	Priority (0/1) 0=Outgoing 1=Incoming			
6	RST	Restriction (0/1) 0=Connection is restricted 1=Connection is not restricted			
7	SRP	Send Receive Priority (0/1) 0=Data Receive Priority for Called Party 1=Data Send Priority for Called Party			
8	CI	CI Signal Control (0/1)(1 digit fix) 0=CI Signal Interval Control 1=CI Signal Continuous Control			

Note: The existing data can be read out by pressing the GET button after UGN and TELN is entered.

ADA2: Assignment of DTE Attribute Data 2

1. General

This command assigns the Attribute Data for the data communication service feature of the Data Adapter (DA) with the Desktop terminal and/or the Data Module (DM).

2. Precautions

When the designated station is not a DTE (DA/DM), the Attribute Data cannot be assigned and an error code will result.

3. Data Entry Instructions

See the Data Sheet in Section 4.

4. Data Sheet

CDN	TENANT NUMBER (TN)				
	STATION NUMBER (STN)				
FUNCTION					
1	DTR (ER) CONTROL (DTR) 0 = Check 1 = No Check				
2	AUTO ANSWER (AUTO) 0 = Manual Answer 1 = Auto Answer				
3	MODEM No. ORIGINATING (MDM1) 0 = No MODEM 1-8= MODEM Number				
4	MODEM No. INCOMING (MDM2) 0 = No MODEM 1-8= MODEM Number				
5	BIT SPEED RATE (SPD) 0 = 50 bps 1 = 75 bps 2 = 110 bps 3 = 150 bps 4 = 200 bps 5 = 300 bps 6 = 600 bps 7 = 1200 bps 8 = 2400 bps 9 = 4800 bps 10 = 9600 bps 11 = 19.2 K bps 12 = 48 K bps (SYNC) 13 = 56 K bps (SYNC) 14 = 64 K bps (SYNC) 15-31=Not used				
6	PARITY ADDITION (PRTY) 0 = No Parity 1 = Parity				
7	ASYNCHRONOUS (ASYNC) 0 = Asynchronous 1 = Synchronous				
8	HALF/FULL DUPLEX (HDX) 0 = Full Duplex 1 = Half Duplex				
9	STOP BIT (STOP) 0 = 1 bit 1 = 2 bit				

CDN	TENANT NUMBER (TN)				
	FUNCTION	STATION NUMBER (STN)			
10	APPLICATION CODE (CODE) 0 = No Character 1 = ASCII (7-bit) Even Parity 2 = ASCII (7-bit) Odd Parity 3 = ASCII (7-bit) Parity is "0" 4 = ASCII (7-bit) Parity is "1" 5 = JIS (7-bit) Even Parity 6 = JIS (7-bit) Odd Parity 7 = JIS (8-bit) 8 = EBCDIC (8-bit) 9 = IA 5 (7-bit) 10 = ITA 2 (5-bit) 11 = EBCD 12-15=Not used				
11	PROFILE NUMBER (PRFN) 0-63				
12	HOT LINE TERMINAL (HL) 0 = No Hotline 1 = Hotline				
13	HOT LINE ORIGINATE (HTL) 0 = DTR (ER) Signal On 1 = Normal Origination				
14	KIND OF RA(RA) 0 = PROTIMS 1 = PROTIMS 2 = DMI Mode 2 3 = PROTIMS 4 = V. 110 5 = V. 120 6 = X. 30 7-15= Not used Note: In the case of PROTIMS, assign "0."				

ADA2_T: Assignment of DTE Attribute Data 2 – Telephone Number

1. General

This command is used to assign the Attribute Data for the data communication service feature of the Data Adapter (DA) with the Desktop terminal and/or the Data Module (DM). The station data of ADA2 command can be assigned by using Telephone Number.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. When the designated station is not a DTE (DA/DM), the Attribute Data cannot be assigned and an error code will result.

3. Data Entry Instructions

See Data Sheet in Section 4.

4. Data Sheet

CDN	USER GROUP NUMBER (UGN)				
	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS				
1	DTR	DTR (ER) Control (0/1) 0=Check 1=No Check			
2	AUTO	Auto Answer (0/1) 0=Manual Answer 1=Auto Answer			
3	MDM1	Outgoing MODEM Number (0-8) 0=No MODEM 1-8=MODEM Number			
4	MDM2	Incoming MODEM Number (0-8) 0=No MODEM 1-8=MODEM Number			
5	SPD	Bit Speed Rate (0-31) 0=50 bps. 1=75 bps. 2=110 bps. 3=150 bps. 4=200 bps. 5=300 bps. 6=600 bps. 7=1200 bps. 8=2400 bps. 9=4800 bps. 10=9600 bps. 11=19.2 kbps. 12=48.0 kbps. 13=56.0 kbps. 14=64 kbps. 15-31=Not used			
6	PRTY	Parity Addition (0/1) 0=No Parity 1=Parity			
7	ASYC	Asynchronous (0/1) 0=Asynchronous 1=Synchronous			
8	HDX	Half/Full Duplex (0/1) 0=Full Duplex 1=Half Duplex			
9	STOP	Stop Bit (0/1) 0=1 bit 1=2 bit			
10	CODE	Application Code (0-15) 0=No Character 1=ASCII (7-bit) Even Parity 2=ASCII (7-bit) Odd Parity 3=ASCII (7-bit) Parity is "0" 4=ASCII (7-bit) Parity is "1" 5=JIS (7-bit) Even Parity 6=JIS (7-bit) Odd Parity 7=JIS (8-bit) 8=EBCDIC (8-bit) 9=IA 5 (7-bit) 10=ITA 2 (5-bit) 11=EBCD 12-15=Not used			

Note: The existing data can be read out by pressing the GET button after UGN and TELN is entered.

CDN	USER GROUP NUMBER (UGN)				
	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS				
11	PRFN	Profile Number (0-63)			
12	HL	Hot Line Terminal (0/1) 0=No Hot Line 1=Hot Line			
13	HLT	Hot Line Originate (0/1) 0=DTR (ER) Signal ON 1=Normal Originate Operation			
14	RA	Kind of RA (0-15) 0=PROTIMS 1=PROTIMS 2=DMI Mode 2 3=PROTIMS 4=V. 110 5=V. 120 6=X. 30 7-15=Not used Note: In the case of "PROTIMS", assign "0".			

ADAI: Assignment of Terminal Application Data

1. General

This command is used to assign/delete application data for terminals.

2. Precautions

1. This command is available only for Australia and North America.
2. 139MTC/139TC on this command does not function in CALL PARK GROUP -D[C-176D] or CALL PARK GROUP -PS[C-175].

3. Data Entry Instructions

MODE

Select one of the followings:

- STATION
- TRUNK
- LENS

1. When STATION is selected:

TN: Tenant Number

STN: Station number [Maximum six digits (0-9, *, #)]

Enter the station number to which this application service is applied.

2. When TRUNK is selected:

RT: Route Number

Enter the External Route Number.

TK: Trunk Number [1-255]

3. When LENS is selected:

LENS: Line Equipment Numbers (MG, U, G, LV)

Enter the LENS to which this application service is to be applied.

USPEED: User Speed [0-31]

Assign the User Rate, based on the Low Layer Compatibility (LLC) information element (TTC Q.931).

TLC: Test Line Circuit [0/1]

0/1= Test circuit card does not exist/Exists

HL: Hot Line [0/1]

0/1=-/Use Hot Line

IRA: Intermediate Rate [0-3]

Assign Intermediate Rate, based on the LLC information element.

0=Not assigned

1=8 kbps

2=16 kbps

3=32 kbps

ALM: Alarm [0/1]

0/1=-/Alarm

139MTC/139TC: No Answer Timer corresponding to ASYD SYS1 Index 139

Enter the Timer Value of No Answer Timer to each Station. This parameter does not function in CALL PARK GROUP -D[C-176D] or CALL PARK GROUP -PS[C-175].

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

139MTC×139TC

140MTC/140TC: No Answer Timer for Recall on Call Transfer corresponding to ASYD SYS1 Index 140

Enter the Timer Value of No Answer Timer for Recall on Call Transfer to each Station.

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

140MTC×140TC

141MTC/141TC: No Answer Timer for Station Call from ATT corresponding to ASYD SYS1 Index 141

Enter the Timer Value of No Answer Timer for Station Call from ATT.

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

141MTC×141TC

247MTC/247TC: No Answer Timer for Blind Transfer-Station corresponding to ASYD SYS1 Index 247

Enter the Timer Value of No Answer Timer for Blind Transfer-station.

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

247MTC×247TC

144MTC/144TC (Not used)

Miscellaneous Timer Counter (MTC): 1-15

Timer Class (TC): 0-7

144RA: Recall Timer [0/1]

Not used.

4. Data Sheet

(a) When STATION is selected:

MODE	TENANT NUMBER (TN)	STATION NUMBER(STN) MAXIMUM 6 DIGITS	USER SPEED (USPEED) 0-31	TEST LINE CIRCUIT (TLC) 0/1	HOT LINE (HL) 0/1	INTERMEDIATE RATE (IRA) 0-3	ALARM (ALM) 0/1
STA- TION							

(b) When TRUNK is selected:

MODE	ROUTE NUMBER (RT)	TRUNK NUMBER (TK) 1-255	USER SPEED (USPEED) 0-31	TEST LINE CIRCUIT (TLC) 0/1	HOT LINE (HL) 0/1	INTERMEDIATE RATE (IRA) 0-3	ALARM (ALM) 0/1
TRUNK							

(c) When LENS is selected:

[illegible][illegible]

ADAI_T: Assignment of Terminal Application Data – Telephone Number

1. General

This command assigns application data for terminals by using Telephone Number and Logical Route Number. The station data of ADAI command can be assigned by using Telephone Number. In addition, the route data can be assigned by using Logical Route Number.

2. Precautions

1. 139MTC/139TC on this command does not function in CALL PARK GROUP -D[C-176D] or CALL PARK GROUP -PS[C-175].
2. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
3. When logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. When logging in to the NCN, data memory of any node within the network can be written.
4. Prior to this command, logical route data must be allocated by using the ALRTN command.
5. Only when logging in to the Network Control Node (NCN), this command can be used to assign the logical route data of self-node and the other nodes in the FCCS Network. If logging in to a Local Node (LN), data setting just for the self-node is available. (An error message is indicated if attempting to write the data of other nodes.)

3. Data Entry Instructions

MODE

Select one of the followings:

- TELN
- TRUNK
- LENS

1. When TELN is selected:

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the station to which the application service is applied.

FPC: Fusion Point Code [1-253]

Display only.

TN: Tenant Number

Display only.

STN: Station number [Maximum six digits]

Display only.

2. When TRUNK is selected:

LGRT: Logical Route Number [1-899]

Enter the Logical Route Number.

TK: Trunk Number [1-255]**FPC: Fusion Point Code [1-253]**

Display only.

RT: Route Number [1-255]

Display only.

3. When LENS is selected:

LENS: Line Equipment Numbers (MG, U, G, LV)

Enter the LENS to which this application service is applied.

USPEED: User Speed [0-31]

Assign the User Rate, based on the Low Layer Compatibility (LLC) information element (TTC Q.931).

TLC: Test Line Circuit [0/1]

0/1= Test circuit card does not exist/Exists

HL: Hot Line [0/1]

0/1=-/Use Hot Line

IRA: Intermediate Rate [0-3]

Assign Intermediate Rate, based on the LLC information element.

0=Not assigned

1=8 kbps

2=16 kbps

3=32 kbps

ALM: Alarm [0/1]

0/1=-/Alarm

139MTC/139TC: No Answer Timer corresponding to ASYD SYS1 INDEX 139

Enter the Timer Value of No Answer Timer to each Station. This parameter does not function in CALL PARK GROUP -D[C-176D] or CALL PARK GROUP -PS[C-175].

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

139MTC×139TC

140MTC/140TC: No Answer Timer for Recall on Call Transfer corresponding to ASYD SYS1 INDEX 140

Enter the Timer Value of No Answer Timer for Recall on Call Transfer to each Station.

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

140MTC×140TC

141MTC/141TC: No Answer Timer for Station Call from ATT corresponding to ASYD SYS1 INDEX 141

Enter the Timer Value of No Answer Timer for Station Call from ATT.

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

141MTC×141TC

247MTC/247TC: No Answer Timer for Blind Transfer-Station corresponding to ASYD SYS1 INDEX 247

Enter the Timer Value of No Answer Timer for Blind Transfer-station.

Miscellaneous Timer Counter (MTC): 1-15 (1-F)

Timer Class (TC): 0-7

247MTC×247TC

144MTC/144TC (Not used)

Miscellaneous Timer Counter (MTC): 1-15

Timer Class (TC): 1-7

144RA: RECALL TIMER [0/1]

Not used.

4. Data Sheet

(a) When TELN is selected:

MODE	UGN 1-255	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS	USER SPEED (USPEED) 0-31	TEST LINE CIRCUIT (TLC) 0/1	HOT LINE (HL) 0/1	INTERMEDIATE RATE (IRA) 0-3	ALARM (ALM) 0/1
TELN							

(b) When TRUNK is selected:

MODE	LOGICAL ROUTE NUMBER (LGRT) 1-899	TRUNK NUMBER (TK) 1-255	USER SPEED (USPEED) 0-31	TEST LINE CIRCUIT (TLC) 0/1	HOT LINE (HL) 0/1	INTERMEDIATE RATE (IRA) 0-3	ALARM (ALM) 0/1
TRUNK							

(c) When LENS is selected:

MODE	LENS				USER SPEED (USPEED) 0-31	TEST LINE CIRCUIT (TLC) 0/1	HOT LINE (HL) 0/1	INTERMEDIATE RATE (IRA) 0-3	ALARM (ALM) 0/1
	MG 00-07	U 0-3	G 00-23	LV 0-7					
LENS									

No Answer Timer corresponding to ASYD SYS1 INDEX 139		No Answer Timer for Recall on Call Transfer corresponding to ASYD SYS1 INDEX 140		No Answer Timer for Station Call from ATT corresponding to ASYD SYS1 INDEX 141		No Answer Timer for Blind Transfer-station corresponding to ASYD SYS1 INDEX 247	
(139MTC) 0-15	(139TC) 0-7	(140MTC) 0-15	(140TC) 0-7	(141MTC) 0-15	(141TC) 0-7	(247MTC) 0-15	(247TC) 0-7

ADGN: Assignment of Dterm Group Number

1. General

This command assigns and deletes the group number on a Desktop terminal station basis. This command can be used for assigning and deleting the group number on the basis of analog station that has been set Softphone Wired-Phone Handset feature.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD, SYS1, Index 8.
2. If “DLC Group Number Write Error” or “DLC Group Number Delete Error” occurs, the following operation are required to change the Group Number:
 - Digital Terminals:
Initialize the ELC card (set the MB switch to ON/OFF position).
 - IP Terminals, SIP Multiple Line Terminals, and UG50 (DLC):
Reset the terminals manually or using the DISS command.
3. Group Number 127 through 255 is used for Call Park.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number

GROUP NO: Group Number [1-255]

Assign the Group Number within the range of 1 - 255.

RINGER: Ringer information [0/1]

0 = Ring

1 = Not Ring

Note: This parameter is not used. It should be fixed to 0.

4. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	GROUP NUMBER (GROUP NO) 1 – 255	RINGER INFORMATION (RINGER] 0/1

ADGN_T: Assignment of Dterm Group Number - Telephone Number

1. General

This command assigns and deletes the group number on a Desktop terminal station basis. This command can be used for assigning and deleting the group number on the basis of analog station that has been set Wired-Phone Handset feature. Group Number can be assigned by using Telephone Number.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD, SYS1, Index 8.
2. If “DLC Group Number Write Error” or “DLC Group Number Delete Error” occurs, the following operation are required to change the Group Number:
 - Digital Terminals:
Initialize the ELC card (set the MB switch to ON/OFF position).
 - IP Terminals, SIP Multiple Line Terminals, and UG50 (DLC):
Reset the terminals manually or using the DISS command.
3. Group Number 127 through 255 is used for Call Park.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the station to which the application service is applied.

FPC: Fusion Point Code [1-253]

Display only.

TN: Tenant Number [1-253]

Display only.

STN: Station number [Maximum six digits]

Display only.

GROUP NO: Group Number [1-255]

Assign the Group Number within the range of 1 - 255.

RINGER: Ringer Information [0/1]

0 = Ring

1 = Not Ring

Note: This parameter is not used. It should be fixed to 0.

4. Data Sheet

[illegible]

ADIM: Assignment of Dial Intercom Data

1. General

This command assigns Dial Intercom service related data.

2. Precautions

1. To provide Dial Intercom service, it is necessary to assign the following data in advance:
ASYD command, SYS1, Index 59, b7=1
2. The number of Desktop terminal stations that can be accommodated in a Dial Intercom Group and the number of digits for Call Number (Dial Intercom STN) are determined by parameter N (Dial Intercom Digit Number).
3. When N=0 is entered, a maximum of 10 Intercom station numbers can be assigned.
When N=1 is entered, a maximum of 64 Intercom station numbers can be assigned.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
5. Enter My Line station number of Desktop terminal in the Dial Intercom Station Number (ICMSTN) parameter.
6. Compose a Dial Intercom Group with Desktop terminal stations of the same Tenant Number (TN) under the same Module Group (MG).
7. From 1 to 50 Dial Intercom groups can be composed on each Module Group (MG) basis.
8. An Intercom member can override another Intercom station in a two-party Intercom connection. This kind of overriding is referred to as an INTERCOM BRIDGE.

3. Data Entry Instructions

MG No.: Module Group number

G-ID: Group ID number [1-50]

N: Dial intercom digit number

one digit (0-9)

two digits (00-63)

BCR: Bridge Call Restriction

Restricted

Allowed

TN: Tenant Number

ICMCT: Number of Intercom station [0-9/00-63]

ICM STN: Intercom station number

4. Data Sheet

(a) Dial Intercom Digit Number: One digit (N = 0)

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER ONE DIGIT	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
0		0			

NUMBER OF INTERCOM STN (ICMCT)	INTERCOM STATION NUMBER (ICM STN)	NUMBER OF INTERCOM STN (ICMCT)	INTERCOM STATION NUMBER (ICM STN)	REMARKS
0		5		
1		6		
2		7		
3		8		
4		9		

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER ONE DIGIT	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
0		0			

NUMBER OF INTERCOM STN	INTERCOM STATION NUMBER (ICM STN)	NUMBER OF INTERCOM STN	INTERCOM STATION NUMBER (ICM STN)	REMARKS
0		5		
1		6		
2		7		
3		8		
4		9		

(b) Dial Intercom Digits Number: Two digits (N = 1)

MODULE GROUP NUMBER (MG No.)		GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER (N)	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
			1			
NUMBER OF INTERCOM STN (ICM CT)	INTERCOM STATION NUMBER (ICM STN)		NUMBER OF INTERCOM STN (ICM CT)	INTERCOM STATION NUMBER (ICM STN)		REMARKS
00			32			
01			33			
02			34			
03			35			
04			36			
05			37			
06			38			
07			39			
08			40			
09			41			
10			42			
11			43			
12			44			
13			45			
14			46			
15			47			
16			48			
17			49			
18			50			
19			51			
20			52			
21			53			
22			54			
23			55			
24			56			
25			57			
26			58			
27			59			
28			60			
29			61			
30			62			
31			63			

ADIM_T: Assignment of Dial Intercom Data _ Telephone Number

1. General

This command assigns Dial Intercom service related data. Dial Intercom Data can be assigned by using a Telephone Number.

2. Precautions

1. To provide Dial Intercom service, it is necessary to assign the following data in advance:
ASYD command, SYS1, Index 59, b7=1
2. The number of Desktop terminal stations that can be accommodated in a Dial Intercom Group and the number of digits for Call Number (Dial Intercom STN) are determined by parameter N (Dial Intercom Digit Number).
3. When N=0 is entered, a maximum of 10 Intercom station numbers can be assigned.
When N=1 is entered, a maximum of 64 Intercom station numbers can be assigned.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
5. Enter My Line station number of Desktop terminal in the Dial Intercom Station Number (ICMSTN) parameter.
6. Compose a Dial Intercom Group with Desktop terminal stations of the same Tenant Number (TN) under the same Module Group (MG).
7. From 1 to 50 Dial Intercom groups can be composed on each Module Group (MG) basis.
8. An Intercom member can override another Intercom station in a two-party Intercom connection. This kind of overriding is referred to as an INTERCOM BRIDGE.

3. Data Entry Instructions

MG No.: Module Group Number

G-ID: Group ID Number [1-50]

N: Dial Intercom Digit Number

one digit (0-9)

two digits (00-63)

BCR: Bridge Call Restriction

Restricted

Allowed

UGN: User Group Number [Fixed to 1]

User Group Number = 1

TELN: Telephone Number [Maximum 16 digits]

Enter Telephone Number of Desktop terminal station to which Dial Intercom is set.

ICMCT: Number of Intercom Station [0-9/00-63] **Note 1, Note 2**

ICM TELN: Intercom Telephone Number **Note 1**

Note 1: If Dial Intercom is already registered, it can be read out by pressing the GET button after entering MG No. and G-ID.

Note 2: If Desktop terminal station has been registered by physical number, * will be displayed before ICM STN.
Delete the data by pressing the DELETE button and allocate Telephone Number for all of the Desktop terminal stations.

4. Data Sheet

(a) Dial Intercom Digit Number: One digit (N = 0)

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER ONE DIGIT	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
0		0			

NUMBER OF INTERCOM STN (ICMCT)	INTERCOM STATION NUMBER (ICM TELN)	NUMBER OF INTERCOM STN (ICMCT)	INTERCOM STATION NUMBER (ICM TELN)	REMARKS
0		5		
1		6		
2		7		
3		8		
4		9		

UGN	TELN Maximum 16 DIGITS
1	

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER ONE DIGIT	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
0		0			

NUMBER OF INTERCOM STN	INTERCOM STATION NUMBER (ICM TELN)	NUMBER OF INTERCOM STN	INTERCOM STATION NUMBER (ICM TELN)	REMARKS
0		5		
1		6		
2		7		
3		8		
4		9		

UGN	TELN Maximum 16 DIGITS
1	

(b) Dial Intercom Digits Number: Two digits (N = 1)

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER (N)	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
		1			
NUMBER OF INTER- COM STN (ICM CT)	INTERCOM STATION NUMBER (ICM TELN)		NUMBER OF INTER- COM STN (ICM CT)	INTERCOM STATION NUMBER (ICM TELN)	REMARKS
00			32		
01			33		
02			34		
03			35		
04			36		
05			37		
06			38		
07			39		
08			40		
09			41		
10			42		
11			43		
12			44		
13			45		
14			46		
15			47		
16			48		
17			49		
18			50		
19			51		
20			52		
21			53		
22			54		
23			55		
24			56		
25			57		
26			58		

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	DIAL INTERCOM DIGIT NUMBER (N)	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	REMARKS
		1			
NUMBER OF INTER- COM STN (ICM CT)	INTERCOM STATION NUMBER (ICM TELN)		NUMBER OF INTER- COM STN (ICM CT)	INTERCOM STATION NUMBER (ICM TELN)	REMARKS
27			59		
28			60		
29			61		
30			62		
31			63		

UGN	TELN Maximum 16 DIGITS
1	

ADKS: Assignment of Dterm Key Status Data

1. General

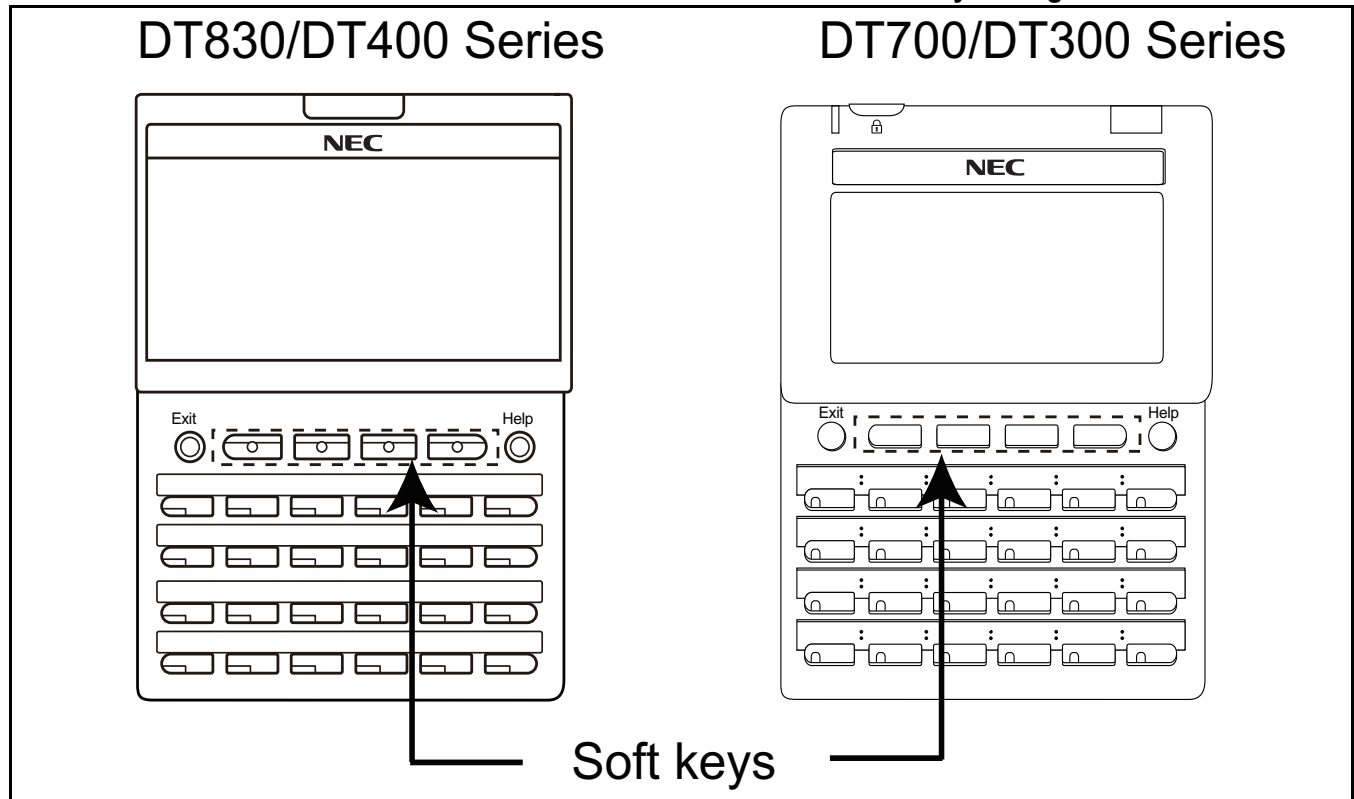
This command assigns the soft key pattern (that is assigned by the ADSL command) and the key arrangement of Line/Feature button and DSS key (**Note 1**) onto a Desktop terminal.

Note 1: This key can be arranged by the setting of key pattern on this command. The terminal user can specify and change the station number to the arranged DSS key. For the procedure to specify and change the station number, see User's Guide of each terminal.

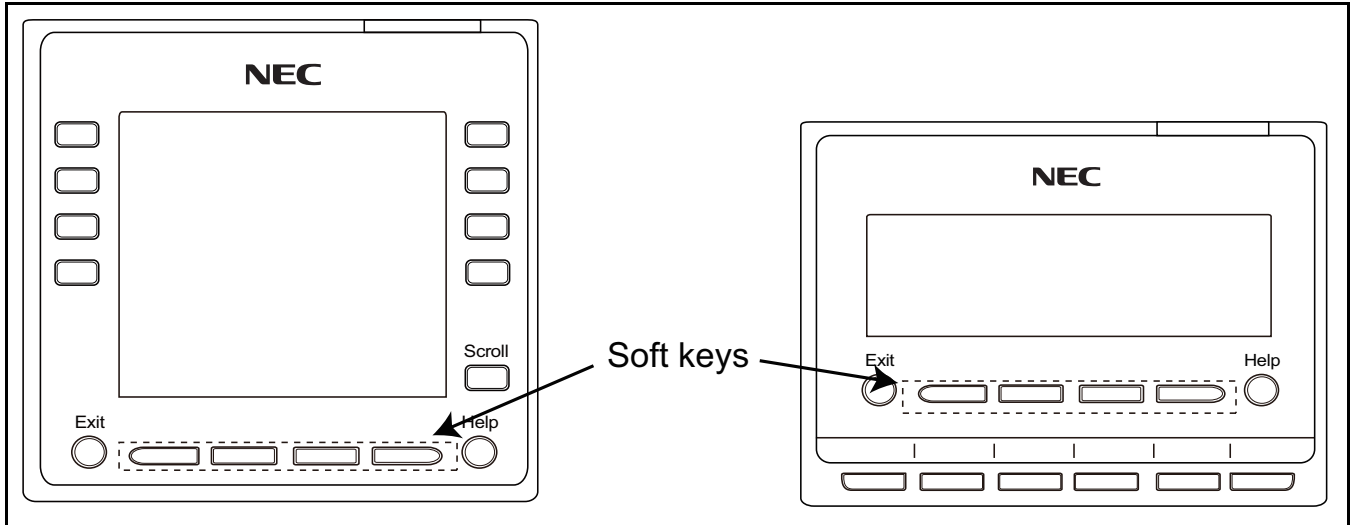
1.1. Soft key pattern

- There are four soft keys on DT830/DT700 Series/DT400 Series (excluding DT410: 2-button type)/DT300 Series (excluding DT310: 2/12-button type and DT710: 2-button type) shown on page 305, DT820 Series shown on page 306, DtermIP INASET shown on page 306, Dterm Series *i* shown on page 307, Dterm Series *i* (DTR-8D-1R/DTR-16D-1R/DTR-32D-1R) shown on page 307. The function of the soft key varies, depending on the status and current functions involved that are displayed on the bottom line of LCD.

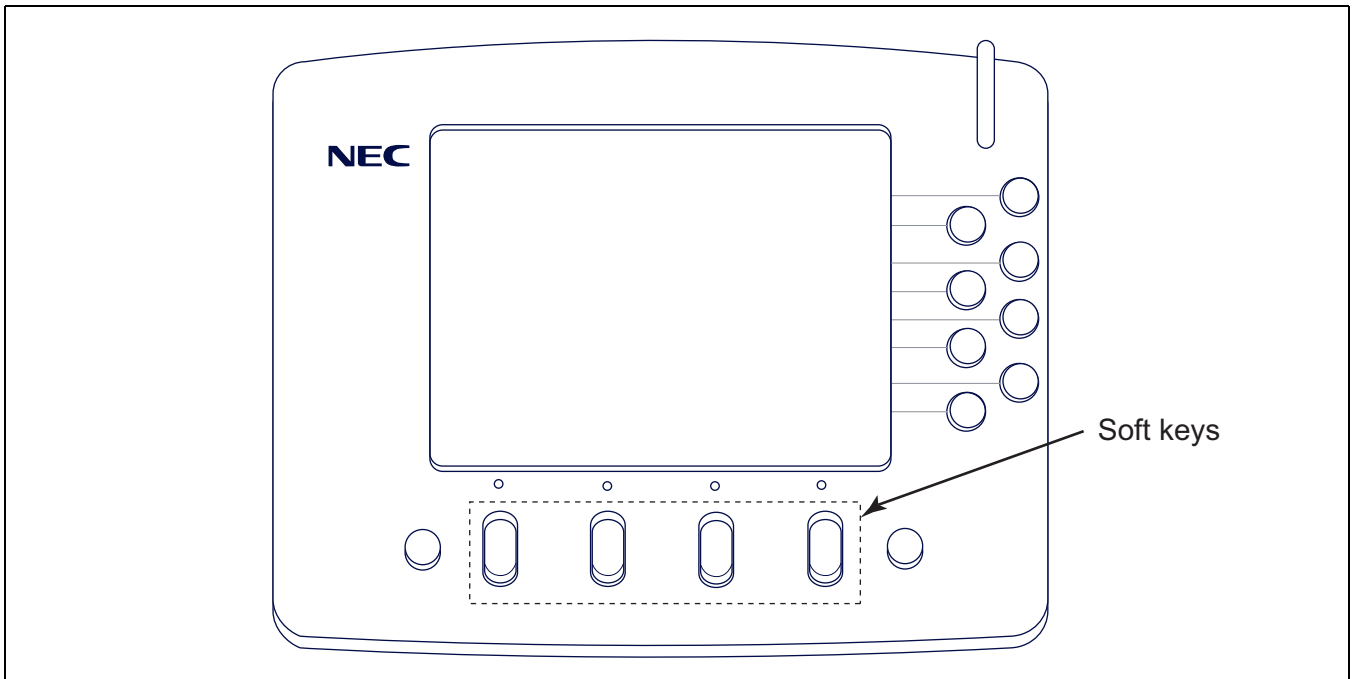
DT830 Series/DT700 Series/DT400 Series/DT300 Series Key Arrangement

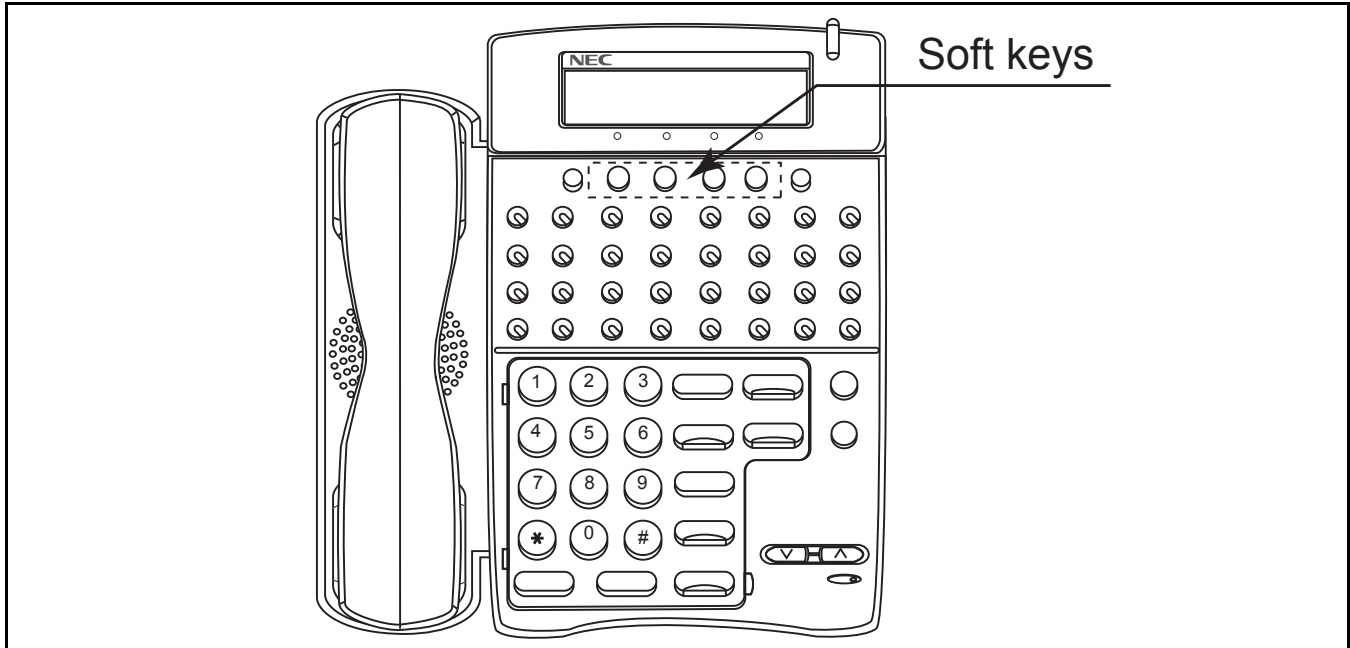
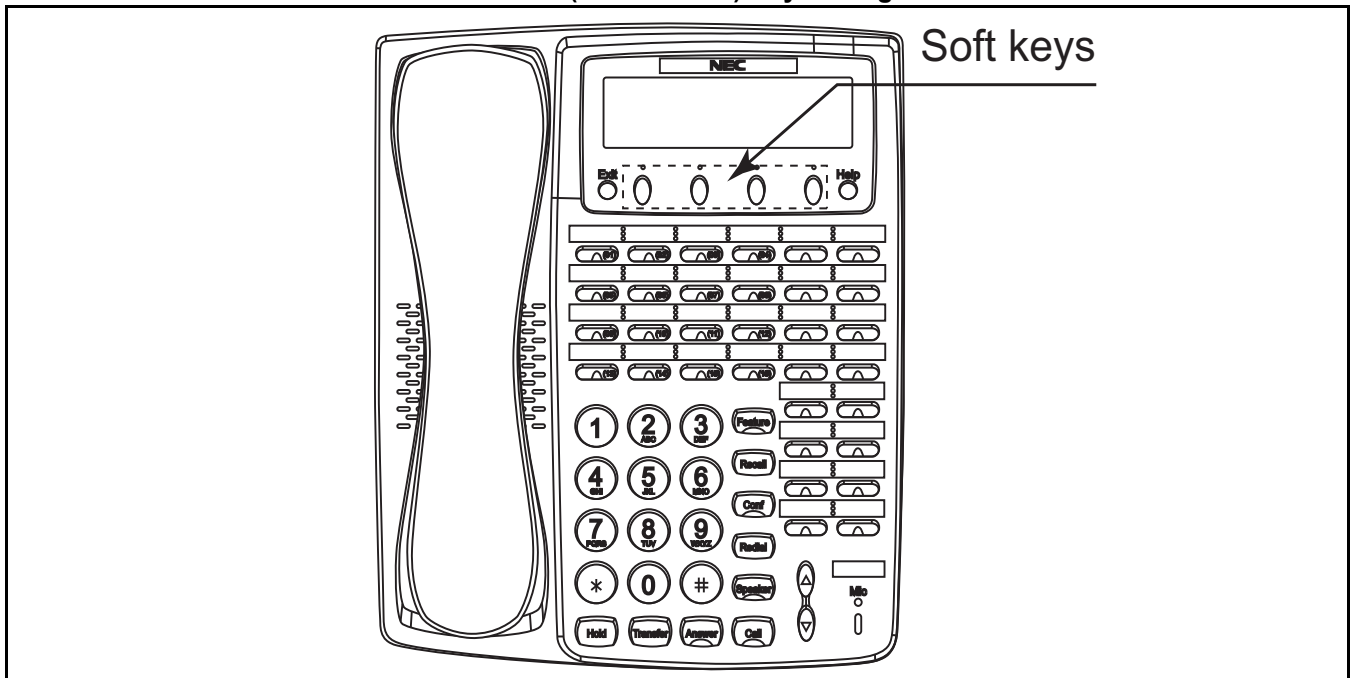


DT820 Key Arrangement



DtermIP INASET Key Arrangement



Dterm Series *i* Key Arrangement**Dterm Series *i* (DTR-32D-1R) Key Arrangement**

2. Four different pages are prepared on the soft key for one status, and a station user can go into the next page by pressing >>> soft key. (Instead of >>> key, the page scroll key can be programmed on a Line/Feature key of Dterm Series *i*.)
3. The character appearance on each soft key function can be modified by the AFDD command.
4. The default key pattern (SKP=0) of the soft keys is listed in the Table “Default Key Pattern.” When Data 1 through 15 is assigned in the SKP parameter, the ADSL command must be assigned to specify the Software Key Pattern (SKP).

Default Key Pattern

STATUS	PAGE	PG=0				PG=1			
Idle	0	MIC	DND	>>>		MIC	DND		
	1								
	2								
	3								
Originating (DT connection)	0	MIC	PICK	FDA	>>>	MIC	PICK	FDA	FDN
	1	FDN	FDB	>>>		FDB			
	2								
	3								
Originating (RBT connection)	0	MIC	VOICE	>>>		MIC	VOICE		
	1								
	2								
	3								
Called station busy (BT connection)	0	MIC	CB	CW	>>>	MIC	CB	CW	S&R
	1	S&R							
	2								
	3								
Communication in progress (Converse)	0	MIC	DND	>>>		MIC	DND		
	1								
	2								
	3								
Consultation Hold (SPDT connection)	0	MIC	CONF	>>>		MIC	CONF		
	1								
	2								
	3								

Default Key Pattern (Continued)

STATUS	PAGE	PG=0	PG=1
Trunk busy (BT connection)	0	MIC >>>>	MIC
	1		
	2		
	3		
Consultation Hold when called station is busy con- trolling station	0	MIC CB FLASH	MIC CB FLASH
	1		
	2		
	3		
3-Party Conference	0	MIC >>>>	MIC
	1		
	2		
	3		
Others	0	MIC >>>>	MIC
	1		
	2		
	3		

1.2. Key arrangement of Line/Trunk Feature button and DSS key

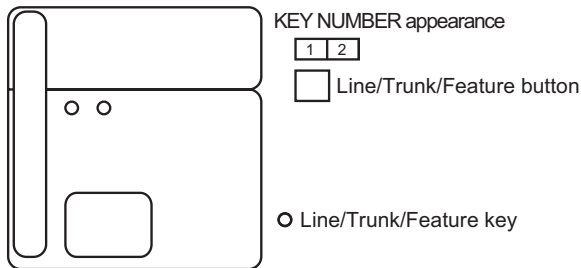
1. Following three different patterns of Line/Feature key and DSS key arrangements can be specified by LKP parameter. The key number appearance of each terminal is described in the diagram below.

- Line Key Pattern = 1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern = 2 (Line/Feature buttons + DSS keys)
- Line Key Pattern = 3 (All Line/Feature buttons)

Key Number Appearance of DT800/700/400/300 Series

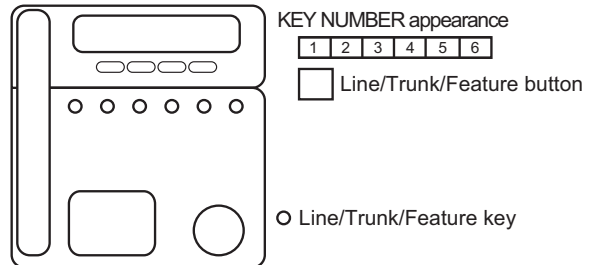
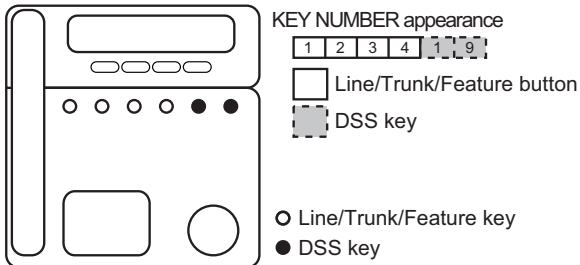
(1) 2 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



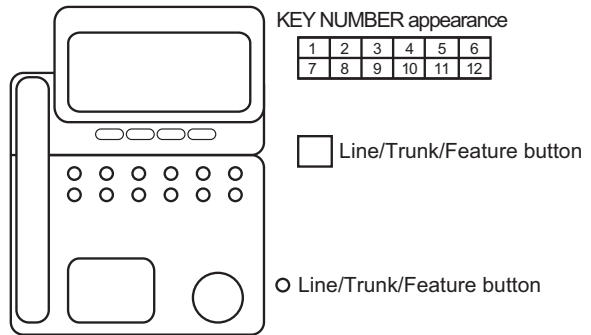
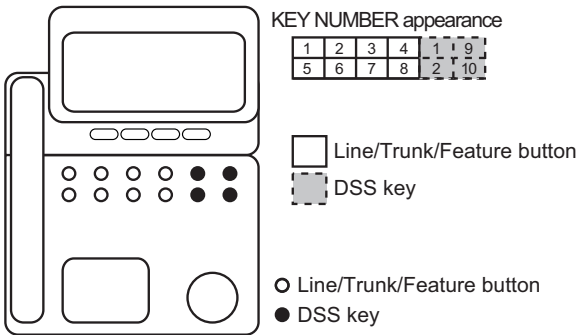
(2) 6 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



(3) 12 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)

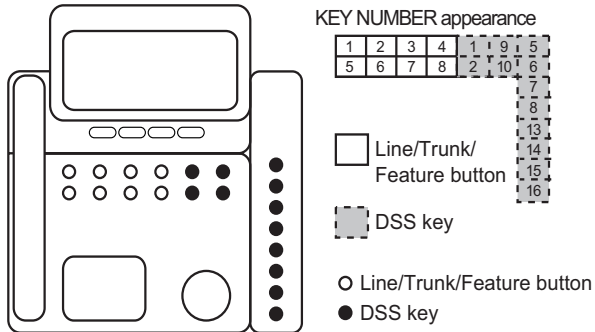


Note: The KEY NUMBER appearance for DT770G is same as “(1) 2 Buttons”.

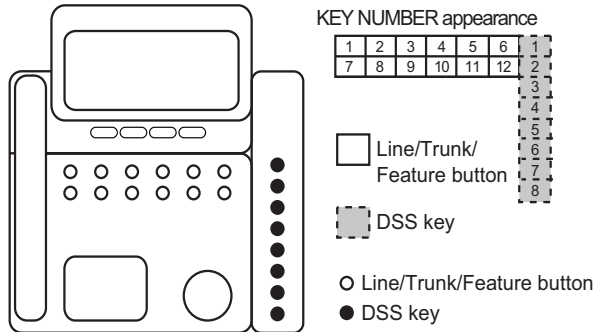
Key Number Appearance of DT800/700/400/300 Series

(4) 12 Buttons + 8LK Unit

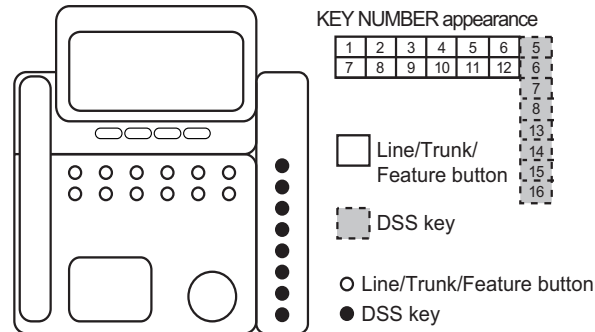
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



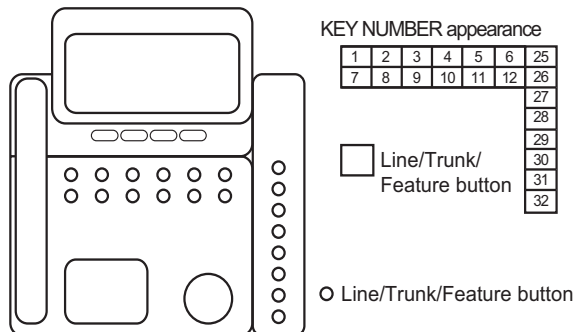
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT800/DT700 Series



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT400/DT300 Series

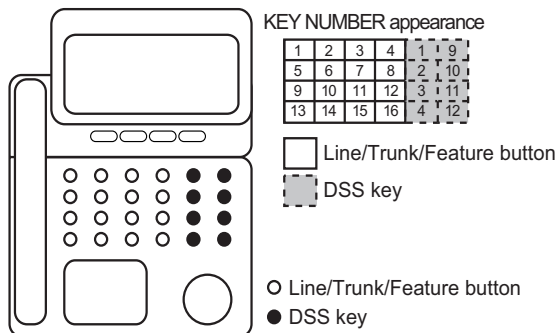


- Line Key Pattern=3 (ALL Line/Feature buttons)

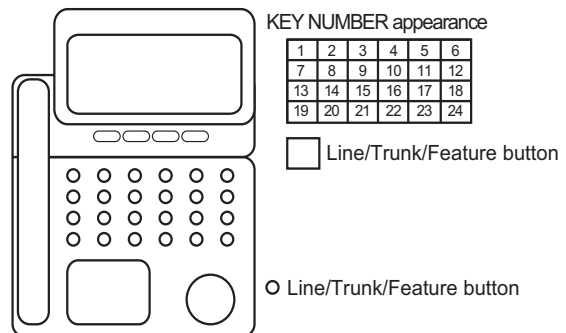


(5) 24 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



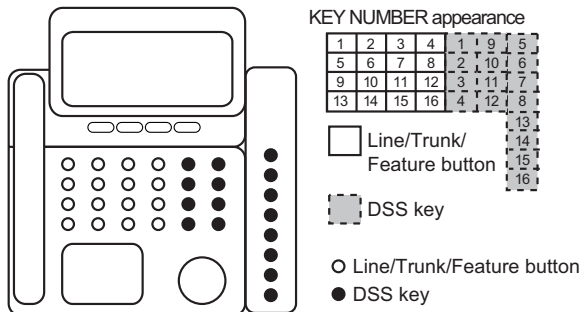
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



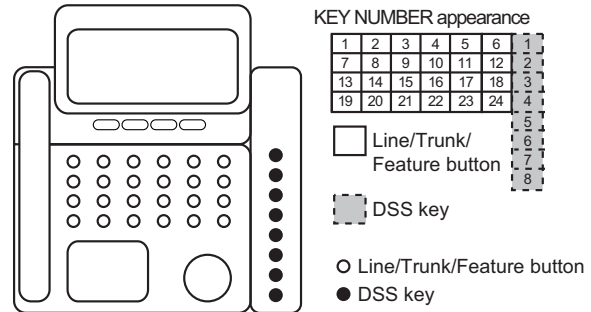
Key Number Appearance of DT800/700/400/300 Series

(6) 24 Buttons + 8LK Unit

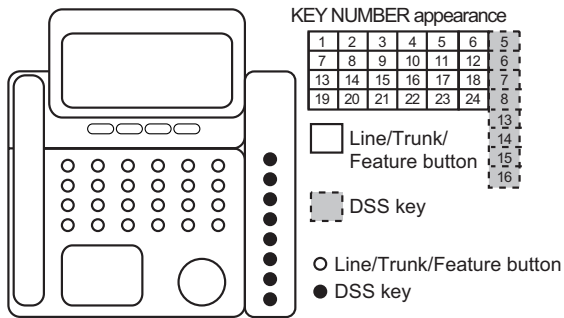
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



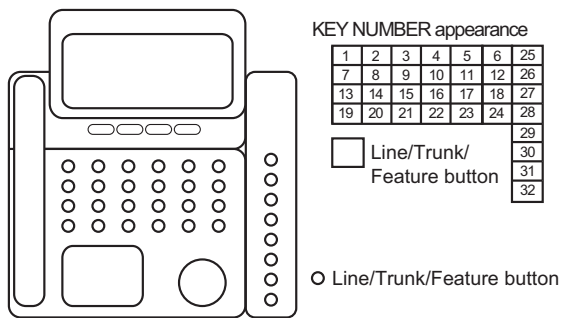
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT800/DT700 Series



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT400/DT300 Series



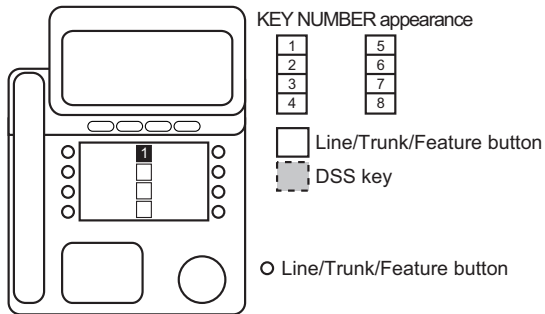
- Line Key Pattern=3 (ALL Line/Feature buttons)



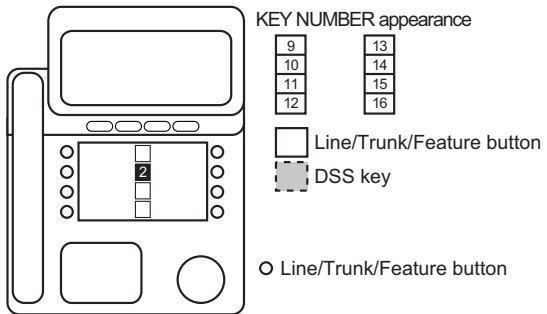
(7) 8 Buttons (DESI-Less (DT830/DT820/DT430))

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)

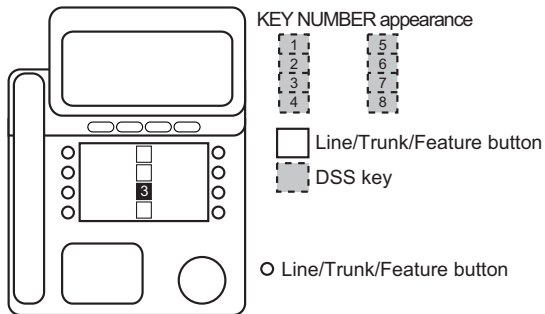
• Page 1



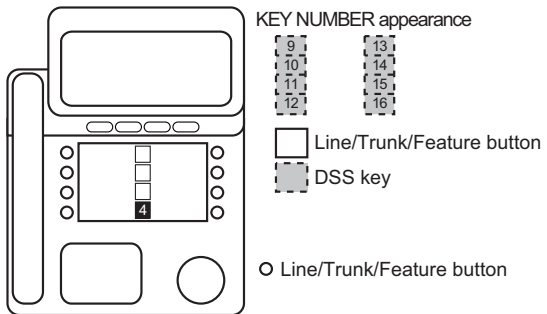
• Page 2



• Page 3



• Page 4

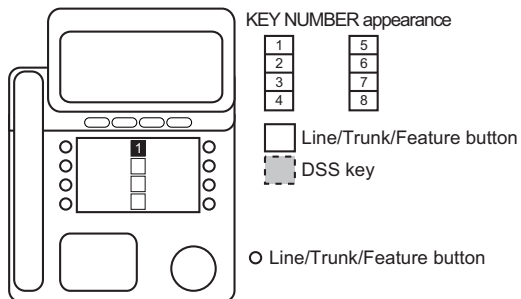


Key Number Appearance of DT800/700/400/300 Series

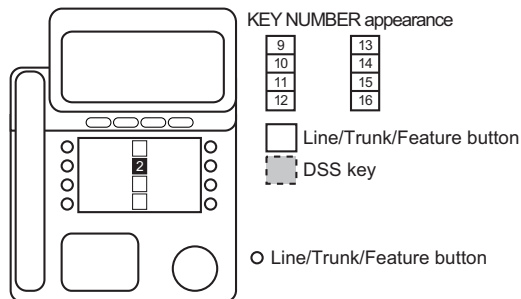
(8) 8 Buttons (DESI-Less (DT830/DT820/DT430))

- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)

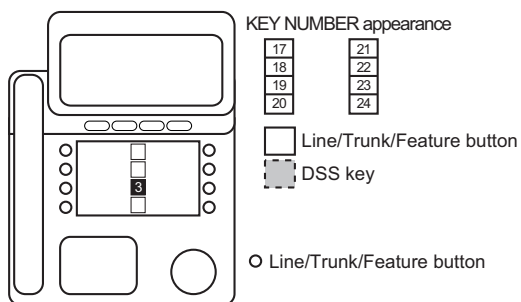
• Page 1



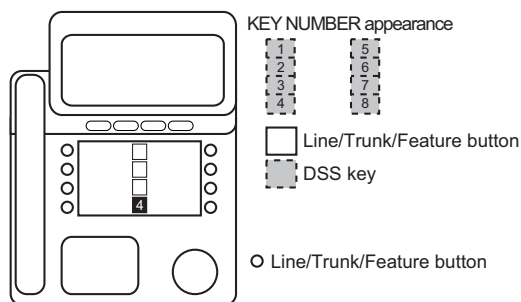
• Page 2



• Page 3



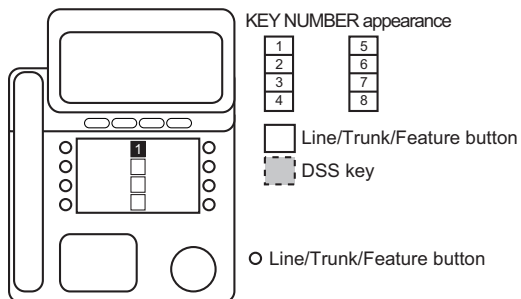
• Page 4



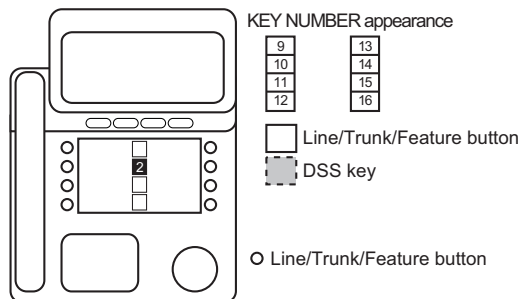
(9) 8 Buttons (DESI-Less (DT830/DT820/DT430))

- Line Key Pattern=3 (ALL Line/Feature buttons)

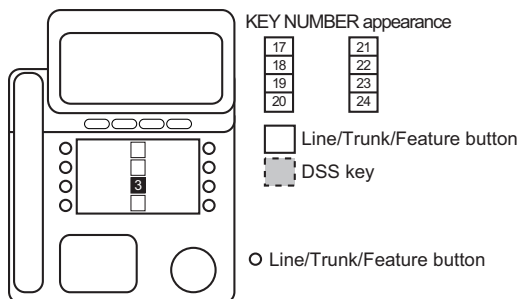
• Page 1



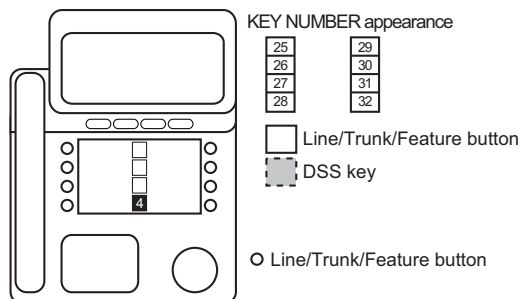
• Page 2



• Page 3



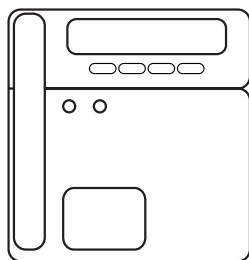
• Page 4



Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

(1) 2 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



KEY NUMBER appearance

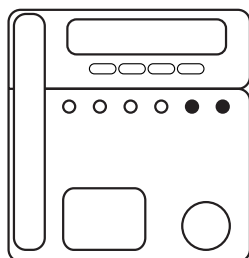
1 2

□ Line/Trunk/Feature button

○ Line/Trunk/Feature button

(2) 6 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)



KEY NUMBER appearance

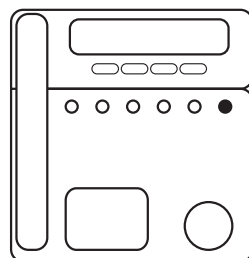
1 2 3 4 17 9

□ Line/Trunk/Feature button

■ DSS key

○ Line/Trunk/Feature button

● DSS key



KEY NUMBER appearance

1 2 3 4 17 1

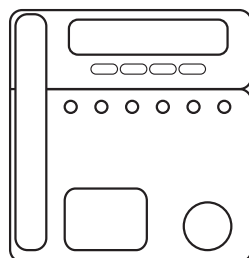
□ Line/Trunk/Feature button

■ DSS key

○ Line/Trunk/Feature button

● DSS key

- Line Key Pattern=3 (ALL Line/Feature buttons)



KEY NUMBER appearance

1 2 3 4 17 25

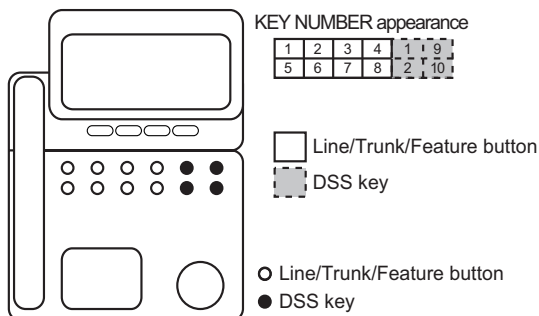
□ Line/Trunk/Feature button

○ Line/Trunk/Feature button

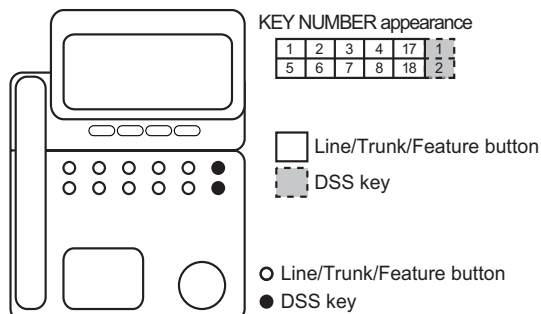
Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

(3) 12 Buttons

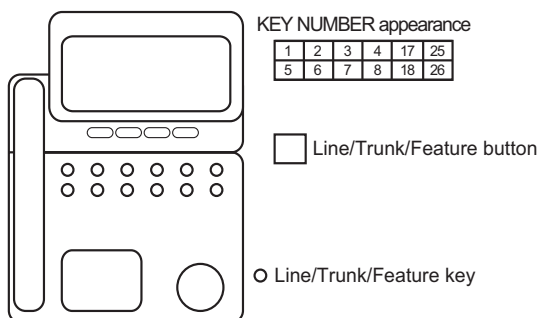
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)

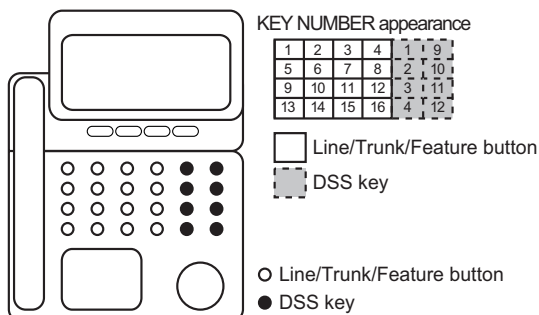


- Line Key Pattern=3 (ALL Line/Feature buttons)

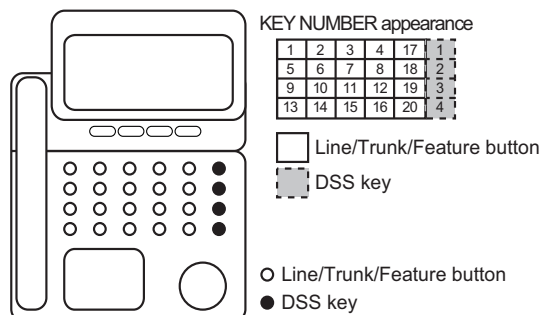


(4) 24 Buttons

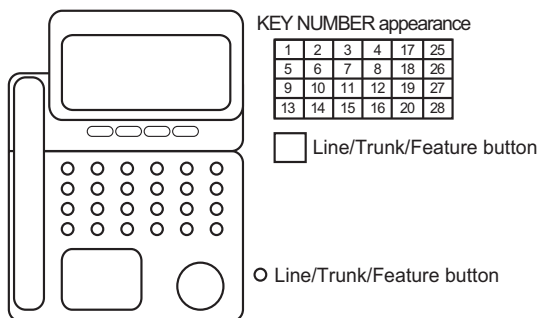
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)



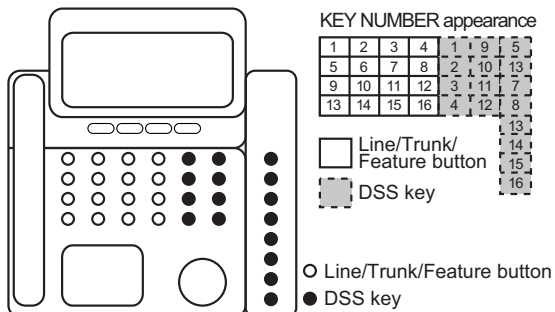
- Line Key Pattern=3 (ALL Line/Feature buttons)



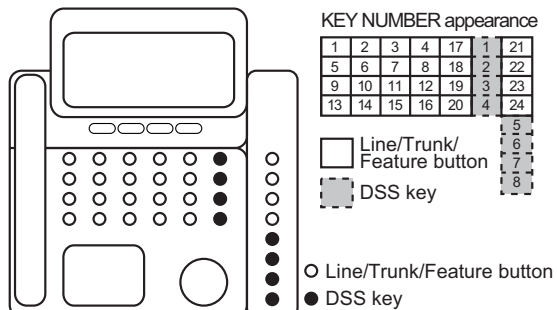
Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

(5) 24 Buttons + 8LK Unit

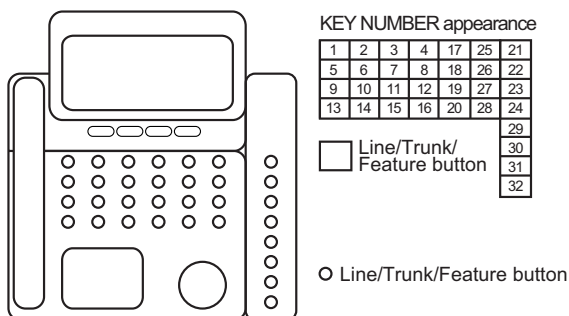
▪ Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



▪ Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)



▪ Line Key Pattern=3 (ALL Line/Feature buttons)

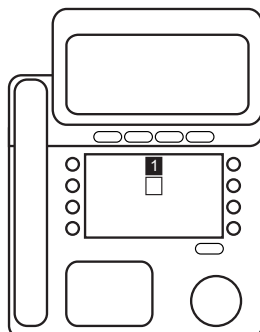


Key Number Appearance of DT700/DT300 Series in Dterm Series *i* Mode

(6) 8 Buttons (Desi-Less)

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)

Page 1



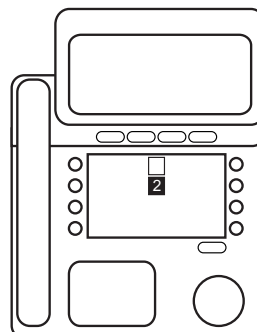
KEY NUMBER appearance

1	5
2	6
3	7
4	8

□ Line/Trunk/Feature button

○Line/Trunk/Feature button

Page 2



KEY NUMBER appearance

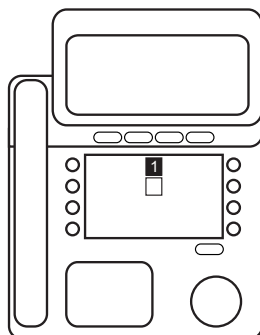
9	13
10	14
11	15
12	16

□ Line/Trunk/Feature button

○Line/Trunk/Feature button

- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)

Page 1



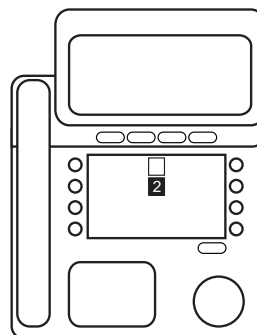
KEY NUMBER appearance

1	5
2	6
3	7
4	8

□ Line/Trunk/Feature button

○Line/Trunk/Feature button

Page 2



KEY NUMBER appearance

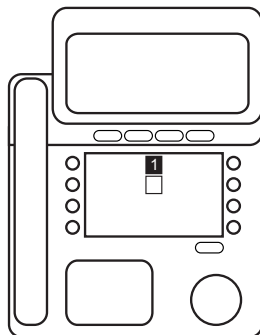
9	13
10	14
11	15
12	16

□ Line/Trunk/Feature button

○Line/Trunk/Feature button

- Line Key Pattern=3 (ALL Line/Feature buttons)

Page 1



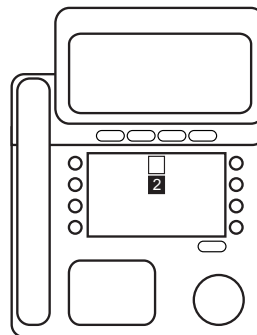
KEY NUMBER appearance

1	5
2	6
3	7
4	8

□ Line/Trunk/Feature button

○Line/Trunk/Feature button

Page 2



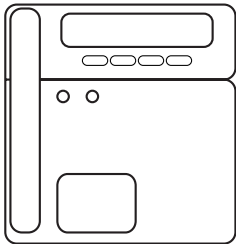
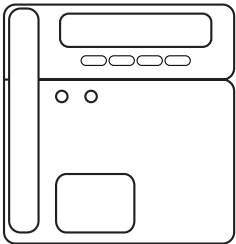
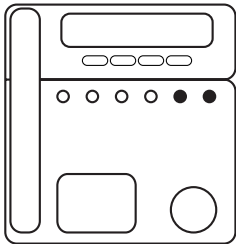
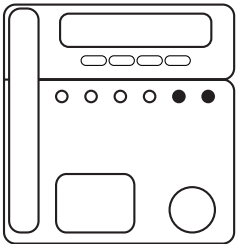
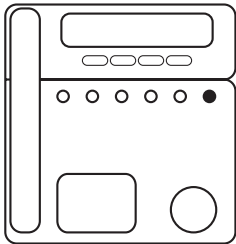
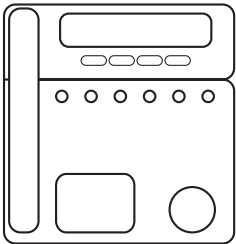
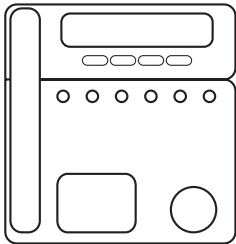
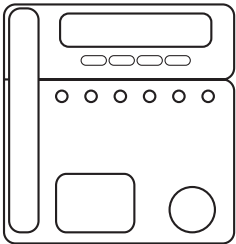
KEY NUMBER appearance

9	13
10	14
11	15
12	16

□ Line/Trunk/Feature button

○Line/Trunk/Feature button

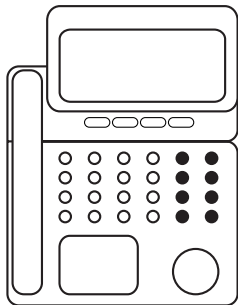
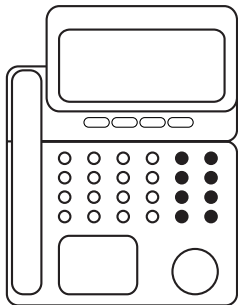
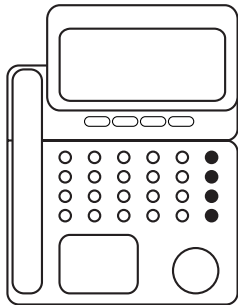
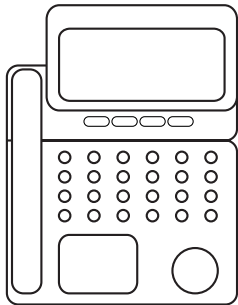
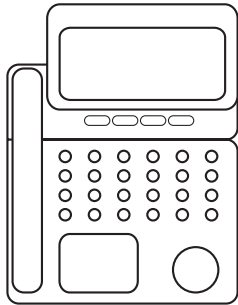
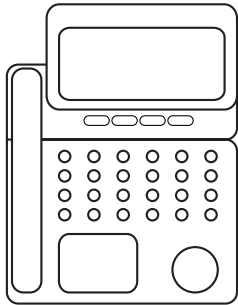
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series *i* Mode or DT700/DT300 Mode]

When Used in Dterm Series <i>i</i> Mode	When Used in DT700/DT300 Series Mode
(1) 2 Buttons	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys) / Line Key Pattern=2 (24 Line/Feature buttons + DSS keys) / Line Key Pattern=3 (ALL Line/Feature buttons)	
 KEY NUMBER appearance 1 2 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	 KEY NUMBER appearance 1 2 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button
(2) 6 Buttons	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)	
 KEY NUMBER appearance 1 2 3 4 5 6 7 8 9 □ Line/Trunk/Feature button ● DSS key ○ Line/Trunk/Feature button ● DSS key	 KEY NUMBER appearance 1 2 3 4 5 6 7 8 9 □ Line/Trunk/Feature button ● DSS key ○ Line/Trunk/Feature button ● DSS key
• Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)	
 KEY NUMBER appearance 1 2 3 4 17 18 □ Line/Trunk/Feature button ● DSS key ○ Line/Trunk/Feature button ● DSS key	 KEY NUMBER appearance 1 2 3 4 5 6 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button
• Line Key Pattern=3 (ALL Line/Feature buttons)	
 KEY NUMBER appearance 1 2 3 4 17 25 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	 KEY NUMBER appearance 1 2 3 4 5 6 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button

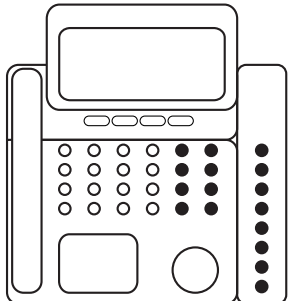
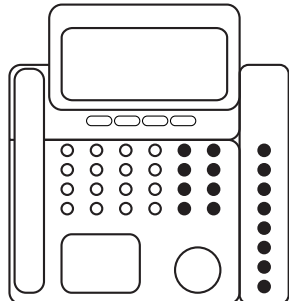
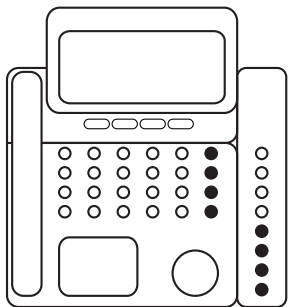
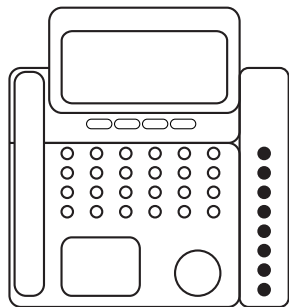
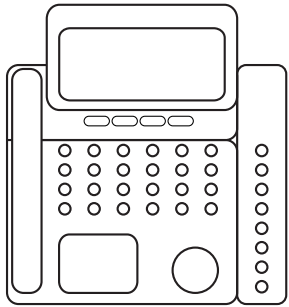
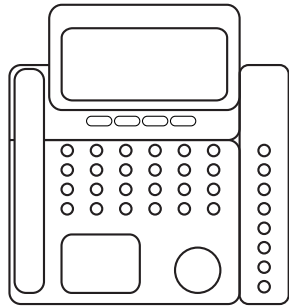
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series *i* Mode or DT700/DT300 Mode]

When Used in Dterm Series <i>i</i> Mode	When Used in DT700/DT300 Series Mode																																																																								
(3) 12 Buttons																																																																									
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)																																																																									
KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr></table> □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr></table> □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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• Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)																																																																									
KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr></table> □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr></table> □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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• Line Key Pattern=3 (ALL Line/Feature buttons)																																																																									
KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr></table> □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr></table> □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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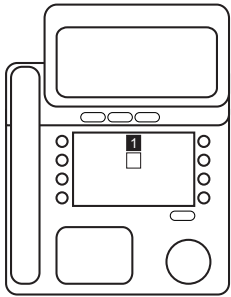
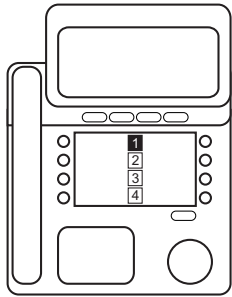
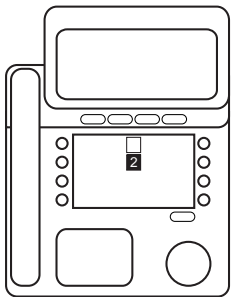
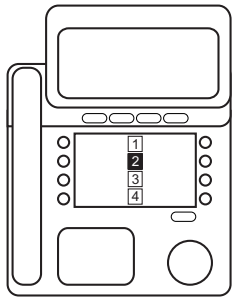
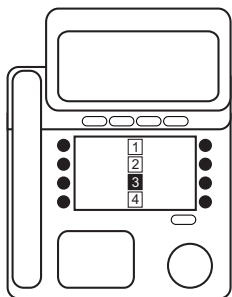
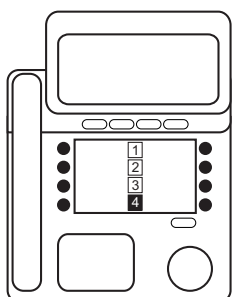
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series *i* Mode or DT700/DT300 Mode]

When Used in Dterm Series <i>i</i> Mode	When Used in DT700/DT300 Series Mode																																																
(4) 24 Buttons																																																	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)																																																	
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
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• Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)																																																	
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1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28																																		
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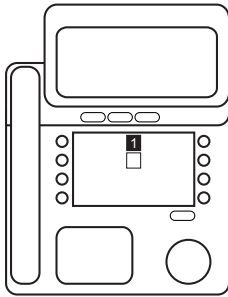
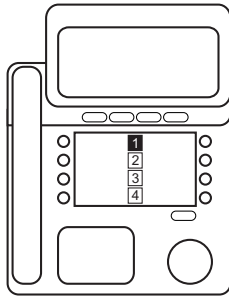
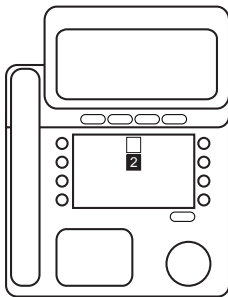
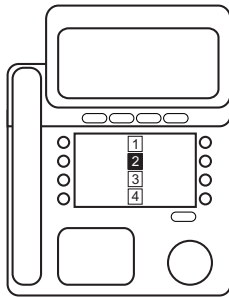
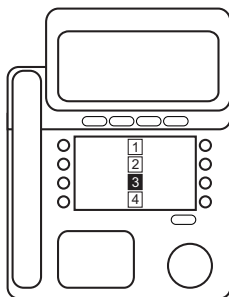
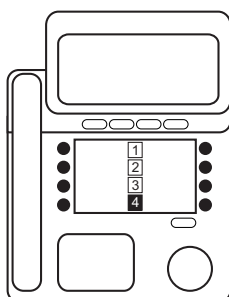
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																																																																																																																																																																																																
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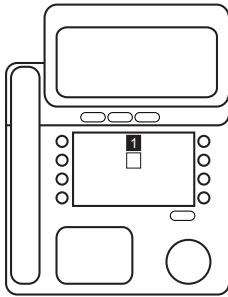
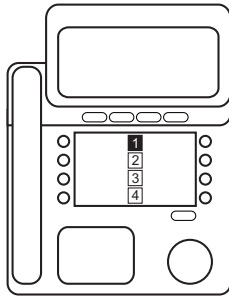
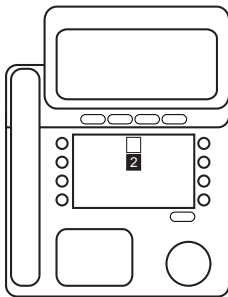
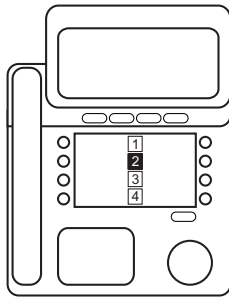
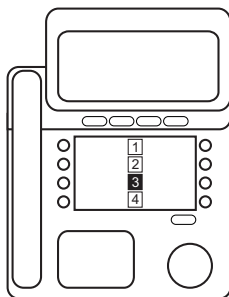
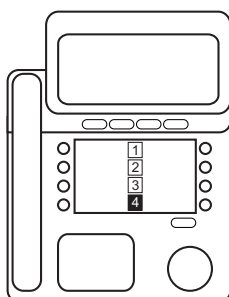
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																
(6) 8 Buttons: DESI-Less (Line Key Pattern=1)																	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys) / Page 1																	
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Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																
(6) 8 Buttons: DESI-Less (Line Key Pattern=2)																	
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3	7																
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Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Mode]

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• Line Key Pattern=3 (ALL Line/Feature buttons) / Page 4																	
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25	29																
26	30																
27	31																
28	32																

Note: When key data is assigned while the telephone is being used (making a call, on call, receiving a call with My Line, etc.), the telephone is reset after it becomes idle. When the telephone is in headset mode (headset key lamp is ON), the telephone is not automatically reset. Reset the telephone with manual operation or by the DISD command, after this data assignment.

2. In the case of Softphone, assign LKP=3 (ALL Line/Feature buttons).

2. Data Entry Instructions

TN: Tenant Number

STN: Station number

SKP: Software Key Pattern data

0=Default pattern as shown on Precaution (4)

1-15=SKP assigned by the ADSL command

LKP: Key Pattern data

Select a Line/Feature key and DSS key arrangement

1=16 Line/Feature buttons + DSS keys

2=24 Line/Feature buttons + DSS keys

3=ALL Line/Feature buttons

PG: LCD page

Page change key allocation (Refer to Precautions)

0 = Page change key appears on a software key (>>>).

1 = Page change key disappears on a software key.

ADLDL: Assignment of Device Local Number Plan Domain Data for LDM

1. General

This command assigns Local Number Plan Domain (LNPD) per device. This data is written in Local Data Memory (LDM).

2. Precautions

1. Route Numbers/Logical Route Numbers to be assigned to the RT/LGRT parameter must already be registered to the system. Device types differ from route/trunk data assigned by ARTD/ARTI cannot be specified by this command.

3. Data Entry Instructions

DEVICE-TYPE:

Select a type of device from the following.

- Phone
- trunk ISDN(PRI)
- trunk QSIG
- trunk MGSIP (**Not used**)
- trunk CCIS
- trunk ISDN(BRI)

UGN: User Group Number [1-255]

Enter a User Group Number when DEVICE-TYPE = Phone.

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter a Telephone Number when DEVICE-TYPE = Phone.

RT/LGRT: Route Number/Logical Route Number [1-899]

Enter a Route Number or Logical Route Number when DEVICE-TYPE = trunk ISDN(PRI)/trunk QSIG/trunk MGSIP/trunk CCIS/trunk ISDN(BRI).

Dst. PC: Point Code of Destination Node [1-16367]

Enter the Point Code of destination node when DEVICE-TYPE = trunk CCIS.

LNPD: Local Number Plan Domain [1-255]

4. Data Sheet

[illegible]

ADLDN: Assignment of Device Local Number Plan Domain Data for NDM

1. General

This command assigns Local Number Plan Domain (LNPd) per device. This data is written in Network Data Memory (NDM) of the Network Control Node (NCN).

2. Precautions

1. Route Numbers/Logical Route Numbers to be assigned to the RT/LGRT parameter must already be registered to the system. Device types differ from route/trunk data assigned by ARTD/ARTI cannot be specified by this command.

3. Data Entry Instructions

DEVICE-TYPE:

Select a type of device from the following.

- Phone
- trunk ISDN(PRI)
- trunk QSIG
- trunk MGSIP (**Not used**)
- trunk CCIS
- trunk ISDN(BRI)

UGN: User Group Number [1-255]

Enter a User Group Number when DEVICE-TYPE = Phone.

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter a Telephone Number when DEVICE-TYPE = Phone.

RT/LGRT: Route Number/Logical Route Number [1-899]

Enter a Route Number or Logical Route Number when DEVICE-TYPE = trunk ISDN(PRI)/trunk QSIG/trunk MGSIP/trunk CCIS/trunk ISDN(BRI).

Dst. PC: Point Code of Destination Node [1-16367]

Enter the Point Code of destination node when DEVICE-TYPE = trunk CCIS.

LNPd: Local Number Plan Domain [1-255]

4. Data Sheet

[illegible]

ADNIL: Assignment of SIP Domain Name Index to Telephone Number for LDM

1. General

This command assigns the SIP domain name index registered by ASDIL to Telephone Number. This data is written in Local Data Memory (LDM).

2. Precautions

1. If the Index of the domain name already assigned to a TELN by this command is changed by ASDIL, the new data is automatically applied by resetting the Softphone(SIP). It is not necessary to re-assign the new Index data to the TELN by this command.
2. When activating this command, ASDIL command data is automatically read out. After activating this command, press “List” button to read out the ASDIL command data manually.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter a Telephone Number.

INDEX: Index of Domain Name [1-1020]

Enter the Index of domain name assigned by ASDIL.

DOMAIN NAME: Domain Name

This parameter displays the domain name assigned by ASDIL.

PRESENCE SERVER IP ADDRESS: IP Address of Presence Server

This parameter displays the IP address of Presence Server assigned by ASDIL.

PRESENCE SERVER PORT NUMBER: Port Number for Presence Server

This parameter displays the port number for Presence Server assigned by ASDIL.

4. Data Sheet

[illegible]

ADNIN: Assignment of SIP Domain Name Index to Telephone Number for NDM

1. General

This command assigns the SIP domain name index registered by ASDIN to Telephone Number. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. If the Index of the domain name already assigned to a TELN by this command is changed by ASDIN, the new data is automatically applied by resetting the Softphone(SIP). It is not necessary to re-assign the new Index data to the TELN by this command.
2. When activating this command, ASDIN command data is automatically read out. After activating this command, press “List” button to read out the ASDIN command data manually.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter a Telephone Number.

INDEX: Index of Domain Name [1-1020]

Enter the Index of domain name assigned by ASDIN.

DOMAIN NAME:

This parameter displays the domain name assigned by ASDIN.

PRESENCE SERVER IP ADDRESS: IP Address of Presence Server

This parameter displays the IP address of Presence Server assigned by ASDIN.

PRESENCE SERVER PORT NUMBER: Port Number for Presence Server

This parameter displays the port number for Presence Server assigned by ASDIN.

4. Data Sheet

[illegible]

ADNM: Assignment of Day/Night Mode

1. General

This command is used to assign Day/Night Mode to a specific tenant.

2. Precautions

This command is available for North America only.

3. Data Entry Instructions

TN: Tenant Number

D/N: Day/Night Mode

Day: Day Mode

Night: Night Mode

4. Data Sheet

TENANT NUMBER (TN)	DAY/NIGHT MODE	REMARKS
	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	
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	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	
	Day/Night	

ADNPRL: Assignment of Dialed Number Primary Restriction LDM

1. General

This command is used to assign and delete numbers to be restricted.

2. Precautions

This command is available for North America only.

3. Data Entry Instructions

TN: Tenant Number

PDC: The Number to be restricted

RSC: Route Restriction Class [0-15]

Because the ADNPRL table is a restrict table, allowing all RES's (RSC 0-15 = 1) tells the system to remove that entry from the table.

4. Data Sheet

TENANT NUMBER (TN)	THE NUMBER TO BE RESTRICTED (PDC)	ROUTE RESTRICTION CLASS (RSC) 0-15	REMARKS

ADPC: Assignment of Determinate Point Code Data

1. General

This command assigns the Determinate Point Code (PC) for CCIS and/or the ISDN interface.

Note: In this command, Determinate Point Code is synonymous with Destination Point Code; the terms are used interchangeably

2. Precautions

1. A unique PC must be given to a node in the CCIS Network. The Originating Point Code (OPC) is designated by the ASYD command, SYS1, Index 180 and 181.
2. The PC is the decimal value from 1 to 16383.
[1-16367 (For CCIS), 1-16383 (For ISDN)]
3. An arbitrary PC may be assigned for the ISDN interface, unless the PC is duplicated in the CCIS Network.
4. The PC assigned by this command should correspond to the one assigned by the ACIC1/ACIC2 command.

3. Data Entry Instructions

RT: Route Number [1-255]

For CCIS, assign the route number of voice route.

For ISDN, assign route numbers of both B-Channel route and D-Channel route.

PC: Determinate Point Code [1-16383]

PC (Point Code) for the direct facing office (node) in the CCIS Network.

For Point-to-Point Connection of the CCIS Networking via IP, assign the Destination Point Code to which the IPTRK card is directly connected. For Point-to-Multipoint Connection, assign the Point Code of Self-Node.

4. Data Sheet

[illegible]

ADPCL: Assignment of Determinate Point Code Data for LDM

1. General

This command assigns the Destination Point Code (PC) for CCIS interface. This data is written in Local Data Memory (LDM).

2. Precautions

1. A unique PC must be given to a node in the CCIS Network. The Originating Point Code (OPC) is designated by the ASYD command, SYS1, Index 180 and 181.
2. The PC is the decimal value from 1 to 16367 in CCIS Network.
3. The PC assigned by this command should correspond to the one assigned by the ACIC1/ACIC2 command.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

For CCIS, assign the Logical route number of voice route.

PC: Determinate Point Code [1-16383]

For CCIS, enter the PC of destination node.

For Point-to-Point Connection of the CCIS Networking via IP, assign the Destination Point Code to which the IPTRK card is directly connected. For Point-to-Multipoint Connection, assign the Point Code of Self-Node.

4. Data Sheet

[illegible]

ADPCN: Assignment of Determinate Point Code Data for NDM

1. General

This command assigns the Destination Point Code (PC) for CCIS interface with FCCS - CCIS incorporating network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), upgrading the NDM of each Local Node (LN).

2. Precautions

1. A unique PC must be given to a node in the CCIS Network. The Originating Point Code (OPC) is designated by the ASYD command, SYS1, Index 180 and 181.
2. The PC is the decimal value from 1 to 16367 in CCIS Network.
3. The PC assigned by this command should correspond to the one assigned by the ACIC1N/ACIC2 command.
4. Once assigning the destination PC data for CCIS interface by this ADPCN (NDM) command, the existing CCIS/ISDN data in DM and LDM turns invalid.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

For CCIS, assign the Logical route number of speech route.

PC: Determinate Point Code [1-16383]

For CCIS, enter the PC of destination node.

For Point-to-Point Connection of the CCIS Networking via IP, assign the Destination Point Code to which the IPTRK card is directly connected. For Point-to-Multipoint Connection, assign the Point Code of Self-Node.

4. Data Sheet

[illegible]

ADPM: Assignment of Data for PH Module

1. General

This command can initialize and reset Internal PH.

2. Precautions

1. Internal PHI-PRI/BRI feature is valid if ASYDL SYS1, Index 880, b1=1 is assigned.
2. Internal PHC feature is valid if ASYDL SYS1, Index 880, b2=1 is assigned.
3. Internal PHE feature is valid if ASYDL SYS1, Index 880, b3=1 is assigned.
4. Internal PHF feature is valid if ASYDL SYS1, Index 880, b4=1 is assigned.
5. Internal SIP Handler feature is valid if ASYDL SYS1, Index 880, b5=1 is assigned.

3. Data Entry Instructions

<Options>

MODULE TYPE

Select the MODULE Type in the combo box.

- Internal SIP Handler **Note 1 Note 5**
- Internal PHI (BRI) **Note 1 Note 2**
- Internal PHI (PRI) **Note 1**
- Internal PHE **Note 1**
- Internal PHC **Note 1**
- Internal PHF
- PBUS over IP **Note 3, Note 4**

Note 1: In the UMGi system, log in to CCN when selecting this module.

Note 2: Select Internal PHI(BRI) for MC&MG-COT and MG(SIP).

Note 3: This parameter will be shown if ACDP Quick Initialization is enabled (when ASYDL SYS1, Index 1347 b0=1 (PBUS over IP Module is in service) is assigned).

Note 4: This parameter will be shown if the system is UMGi/RNIP system.

Note 5: When this parameter is selected, not only the Internal SIP Handler status but also the SIP Transport Layer (TCP) status is displayed.
In the case of UMGi, the status is displayed when LENS is selected in [Target].

◆ When Internal SIP Handler is selected in MODULE Type box:

Menu

Select the required activation, and click the “Execute” button.

- Program non load initialize - To initialize Internal SIP Handler in the system.
- Module stop instruction - To stop the selected module.

Target **Note 6**

When the system is a UMGi/RNIP system, select the target to apply the setting.

- All LP: The target is all the LPs
- LENS: The target is specific LENS

LENS **Note 6**

When Target = LENS is selected, this parameter is displayed. Enter the LENS of the target.

Status Monitoring **Note 6**

When Target = LENS is selected, this button is displayed. By clicking the button, the actual status of Internal SIP Handler and SIP Transport Layer (TCP) are displayed.

Note 6: This parameter is displayed when the system is a CCN in the UMGi system.

◆ When Internal PHI (BRI)/Internal PHI (PRI)/Internal PHE/Internal PHC is selected in MODULE Type box:

Menu

Select the required activation, and click the “Execute” button.

- Module Initialize - To initialize all the equipment around the LAN cable (such as PCPro).
- Module Reset - To reset the buffer for receiving and sending data, maintaining the condition of connection.

Target **Note 7 Note 8**

When the system is a UMGi/RNIP system, select the target to apply the setting.

- All LP: The target is all the LPs
- LENS: The target is specific LENS

LENS **Note 7 Note 8**

When Target = LENS is selected, this parameter is displayed. Enter the LENS of the target.

Note 7: This parameter is not displayed when the module is Internal PHI (PRI)

Note 8: This parameter is displayed when the system is a CCN in the UMGi system.

◆ When Internal PHF/PBUS over IP is selected in MODULE Type box:

Menu

Select the required activation, and click the “Execute” button.

- Service type setting (signal packet) - To set ToS value for the selected module.
- Module Initialize - To disconnect the communication port and then regenerate the connection, with clearing the destination node information and sending control information.
- Module Reset - To disconnect the communication port and then regenerate the connection, without clearing the destination node information and sending control information.
- Module stop - To stop the selected module.

Service Type Setting (signal packet)

This field appears when **Service type setting (signal packet)** is selected on the menu.

Note: Note the following conditions:

- Assign this data only when changing the ToS value from the default setting.
- The default setting is IP Precedence and the default value of the precedence is 6.
- Module Reset by using the ADPM command is required if this data is changed.

IP PRECEDENCE/DIFFSERV: Select either IP PRECEDENCE or DIFFSERV.

- IP PRECEDENCE

Priority (PRECEDENCE/DSCP): 0-7

Low Delay: Click the check box to set Low Delay to ON.

Throughput: Click the check box to set High Through Put to ON.

Reliability: Click the check box to set High Reliability to ON.

Min Cost: Click the check box to set Cost Precedence to ON.

- DIFFSERV

Priority (PRECEDENCE/DSCP): 0-63

Note: After changing the value, be sure to reset the selected module by this command.

4. Data Sheet

-

ADRTL: Assignment of Dterm Display Route Data for LDM

1. General

This command changes the display of trunk class information on the Desktop terminal instead of the Trunk Class (TCL) designation of the ARTD command.

2. Precautions

1. The data assigned in this command affects the stand-alone node and Local Node (LN).
2. When this data is assigned to Local Data Memory (LDM) in the FCCS Network, if Network Data Memory (NDM) has Display Route Data designated by the ADRTN commands, NDM data overrides LDM data.
3. The data assigned by this command is not available for ISDN stations and PS.
4. When a call terminated from the trunk COC number has been assigned by the ACOC command, the following is displayed on the Desktop terminal as to TYPE parameter;
 - TYPE=1 (four characters) is entered, both COC number assigned by the ACOC command and four-character trunk class assigned at DISP parameter is displayed.
 - TYPE=2 (eight characters) is entered, only the eight-character trunk class assigned at DISP parameter is displayed.

3. Data Entry Instructions

RT: External Route Number [1-255]

Assign Physical Route number at the non-FCCS node.

Note: For FCCS node, assign Logical Route number using the ADRTN command.

TYPE: Character Display Type [1/2]

The maximum number of characters.

1=4 (four bytes ASCII characters)

2=8 (eight bytes ASCII characters)

DISP: Display for Trunk Class on Dterm

The characters displayed on the Desktop terminal.

4. Data Sheet

[illegible]

ADRTN: Assignment of Dterm Display Route Data for NDM

1. General

This command changes the display of trunk class information on the Desktop terminal instead of the Trunk Class (TCL) designation of the ARTD command.

This data is written in the Network Data Memory (NDM) of the Network Control Node (NCN).

2. Precautions

1. The Route Class information is displayed on all Desktop terminals of all nodes in the FCCS Network.
2. The data assigned by this command has priority over the data assigned by the ADRTL command.
3. This data is not available for ISDN stations and PS.
4. When a call terminated from the trunk COC number has been assigned by ACOC command, the following is displayed on the Desktop terminal as to TYPE parameter;
 - TYPE=1 (four characters) is entered, both COC number assigned by ACOC command and four-character trunk class assigned at DISP parameter is displayed.
 - TYPE=2 (eight characters) is entered, only the eight-character trunk class assigned at DISP parameter is displayed.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

Assign Logical Route number at NCN in the FCCS Network.

TYPE: Character Display Type [1/2)

The maximum number of characters.

1=4 (four bytes ASCII characters)

2=8 (eight bytes ASCII characters)

DISP: Display for Trunk Class on Dterm

The characters displayed on the Desktop terminal.

4. Data Sheet

[illegible]

ADSDL: Assignment of Detail SIP phone Data for LDM

1. General

This command assigns User Agent Class data to the Telephone Number used by SIP Handler Controlled SIP terminal.

2. Precautions

When User Agent Class is determined according to User Agent Information given by SIP Handler Controlled SIP terminal, data assignment with this command is unnecessary.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 Digits (0-9, *, #)]

KIND: Kind of User Agent

User Agent of Terminal

User Agent of System

TYPE: Type of User Agent

System Default

User Agent Class

UAN: User Agent Class Number [1-63]

4. Data Sheet

User Group Number [1-255] (UGN)	Telephone Number [0-15] (TELN)	Kind of User Agent (KIND)		REMARKS
		Type of User Agent	User Agent Class Number (UAN)	

ADSDN: Assignment of Detail SIP phone Data for NDM

1. General

This command assigns User Agent Class data to the Telephone Number used by SIP Handler Controlled SIP terminal.

2. Precautions

When User Agent Class is determined according to User Agent Information given by SIP Handler Controlled SIP terminal, data assignment with this command is unnecessary.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 Digits (0-9, *, #)]

KIND: Kind of User Agent

User Agent of Terminal

User Agent of System

TYPE: Type of User Agent

System Default

User Agent Class

UAN: User Agent Class Number [1-63]

4. Data Sheet

User Group Number [1-255] (UGN)	Telephone Number [0-15] (TELN)	Kind of User Agent (KIND)		REMARKS
		Type of User Agent	User Agent Class Number (UAN)	

ADSL: Assignment of Dterm Soft Key on LCD

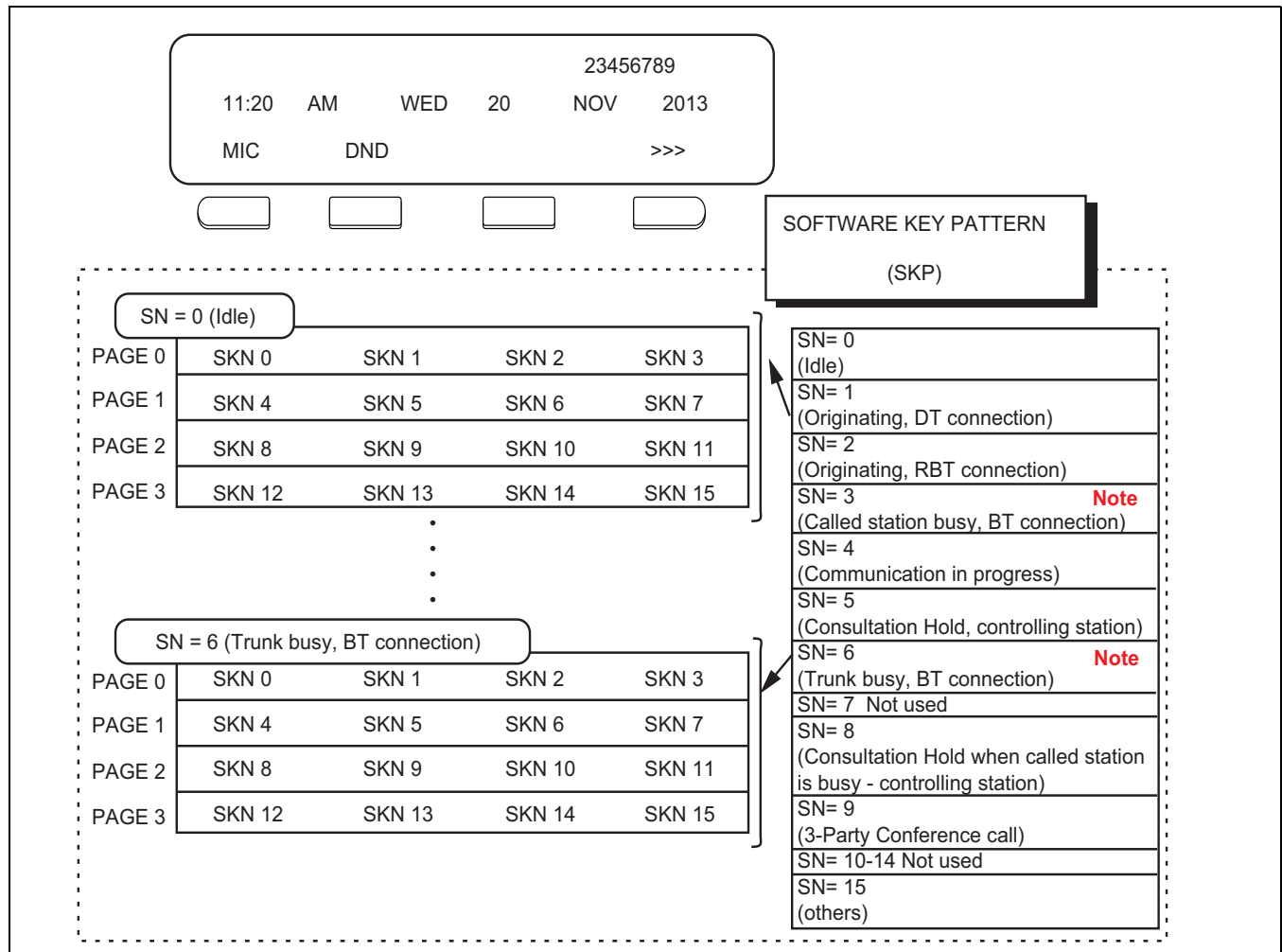
1. General

This command creates an additional soft key pattern for a Desktop terminal.

2. Precautions

- Four soft keys appear on a Desktop terminal, and each soft key has four pages. This allows each soft key to have four different functions. A station user may turn the soft key pages over by pressing the page scroll key, that may be indicated by >>>.
- The soft key allows different functions to be assigned depending on the call status of the Desktop terminal station.
- This command creates the maximum of 16 customized key patterns.
- Soft Key Number (SKN) is the guide number to assign the function data (FKY) onto each soft key of all the pages. SKN within a Soft Key Pattern (SKP) is shown in the following.

Soft Key Pattern



Note: Available only for the Station where Busy Service is applied.

5. After system initialization is performed, the soft key cannot be used for one minute.
6. When the soft key data is set on a system basis, SKP=0 is assigned by this command.
7. The priority order for displaying the data in the Feature key area (the third line or the lowest line) is as follows.

PRIORITY ORDER	DISPLAYED DATA	DESCRIPTION
1	Services set to the Feature key data	The application service that is set to the Feature key
2	Services set to the Feature key data	Only when the station is idle/originating and the service set to the Feature key
3	Soft key assigned via Feature key	When the soft key data is in the middle of being set via the Feature key (FKY=122)
4	(a) Soft key data used on a station basis	The soft key data assigned via the ADSL (SKP=0) and also at ADKS command.
	(b) Soft key used on a system basis	The soft key data is assigned via the ADSL (SKP=0).
	(c) Default soft key data by ROM data	Default soft key data (a) or (b) data shown above is not programmed.

8. The LCD display changes after a minute when the soft key data is assigned to all stations in a system using this command or the characters for the LCD display are changed using the AFDD command.
9. When the soft key data is programmed for the busy station, the LCD display does not change until the station becomes idle.
10. The same function data (FKY) cannot be assigned to both soft key and Feature key.
11. The created soft key pattern, that is assigned at SKP≠0, is applied to a Desktop terminal by designating the programmed SKP number in ADKS. As for the key pattern data in SKP=0, ADKS is not necessary. If SKP=0 is designated in ADKS, default key pattern data (refer to Figure "Soft Key Pattern") is applied to the Desktop terminal.
12. The data assignment of ADSLN must be all deleted before assigning ADSL. If the data of ADSLN is assigned, an "Input error" might be caused.
13. If there is an RN being in survival mode or not authenticated in a UMGi/RNIP system, "LP H/I error" will be displayed.

3. Data Entry Instructions

SKP: Soft Key Pattern [0-15]

Assign arbitrary number from 0 through 15.

0=soft key pattern shared in a system

1-15=soft key pattern allotted to each station

SN: Status Number [0-15]

0=Idle

1=Originating (Dial Tone connection)

2=Originating (Ringback Tone connection)

3=Called station busy (Busy Tone connection) **Note 1**

4=Communication in progress (Converse)

5=Consultation Hold (Controlling station)

6=Trunk busy (Busy Tone connection) **Note 1**

7=Not used

8=Consultation Hold when Called Station is Busy (Controlling station)

9=3-Party Conference Call

10-14=Not used

15=Others

Note 1: Available only for the Station where Busy Service is applied.

SKN: Soft Key Number [0-15]

Soft key number (SKN) appears on the PCPro.

FKY: Function Key Number [0-320]

See Page 358 for 11 Characters Display, and see Page 362 for DESI-Less Terminal.

Note: The default characters are shown in the Default Display.

Note: Use FKY 0 when not assigning a Function Key Number (FKY) to a Soft Key Number (SKN).

DISP: Display Message on LCD

The soft key indication is displayed.

Note: The soft key indication characters are displayed up to six digits. However, the default characters of eight digits can be displayed.

Note: When the soft key indication is assigned by AFDD command, the data assigned with this command has priority. When not assigned, the default characters are displayed.

FKY (ADSL) **Note 2, Note 3, Note 5**

X: Available -: Not Available

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE										
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15
1	Call Forwarding-Busy Line	FDB	CF-Busy	-	X	-	-	-	-	-	-	-	-	-
2	Call Forwarding-All Calls	FDA	CF-All	-	X	-	-	-	-	-	-	-	-	-
3	Executive Right of Way	E-OVR	Exe-Over	-	-	-	X	-	-	-	-	-	-	-
4	Call Waiting	CW	CallWait	-	-	-	X	-	-	-	-	-	-	-
5	Call Back	CB	CallBack	-	-	-	X	-	-	-	-	X	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Save and Repeat	S&R	Save&Rep	X	X	X	X	X	-	X	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Boss-Secretary-Message Waiting Lamp Control; Set	MW SET	MSG Wait	-	X	-	-	-	-	-	-	-	-	-
10	Call Hold	C_HOLD	CallHold	-	-	-	-	X	-	-	-	-	-	-
11	Boss-Secretary-Message Waiting Lamp Control; Can- cel	MWOFF	no MSGwt	-	X	-	-	-	-	-	-	-	-	-
12	Call Pickup-Group	PICK	PickUp	-	X	-	-	-	-	-	-	-	-	-
13	Three-way Calling Note 6	CONF	Conf.	-	-	-	-	-	X	-	-	-	-	X
14	Voice Call	VOICE	Voice	-	-	X	-	-	-	-	-	-	-	-
15	Speed Calling-System	S-SPD	SysSpeed	-	X	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	CAS SHF	CAS	CAS SHF	-	X	X	X	X	X	X	-	-	-	X
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	UCD Busy Out	UCDBO	Busy Out	X	-	-	-	X	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Flash Button	FLASH	Flash	-	X	X	X	X	X	X	X	-	-	X
22	Call Forwarding-Don't An-	FDN	CF-NoAns	-	X	-	-	-	-	-	-	-	-	-
23, 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	ISDN Malicious Call (Australia and U.A.E. only)	C_RPT	MC-Trace	-	-	-	-	X	-	-	-	-	-	-
26	Speed Calling-Station	G_SPD	GrpSpeed	-	X	-	-	-	-	-	-	-	-	-
27-33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	OAI Key Code 1	OAI 1	OAI-1	-	X	-	-	X	-	-	-	-	-	-
35	OAI Key Code 2	OAI 2	OAI-2	-	X	-	-	X	-	-	-	-	-	-
36	OAI Key Code 3	OAI 3	OAI-3	-	X	-	-	X	-	-	-	-	-	-
37	OAI Key Code 4	OAI 4	OAI-4	-	X	-	-	X	-	-	-	-	-	-
38	OAI Key Code 5	OAI 5	OAI-5	-	X	-	-	X	-	-	-	-	-	-
39	OAI Key Code 6	OAI 6	OAI-6	-	X	-	-	X	-	-	-	-	-	-
40	OAI Key Code 7	OAI 7	OAI-7	-	X	-	-	X	-	-	-	-	-	-
41	OAI Key Code 8	OAI 8	OAI-8	-	X	-	-	X	-	-	-	-	-	-
42	OAI Key Code 9	OAI 9	OAI-9	-	X	-	-	X	-	-	-	-	-	-
43	OAI Key Code 10	OAI 10	OAI-10	-	X	-	-	X	-	-	-	-	-	-
44	OAI Key Code 11	OAI 11	OAI-11	-	X	-	-	X	-	-	-	-	-	-
45	OAI Key Code 12	OAI 12	OAI-12	-	X	-	-	X	-	-	-	-	-	-
46	OAI Key Code 13	OAI 13	OAI-13	-	X	-	-	X	-	-	-	-	-	-

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE											
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15	
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
48	Privacy Release	P-RLS	Priv.Rel	X	-	-	-	X	-	-	-	-	-	-	
49	-	-	-	-		-	-	-	-	-	-	-	-	-	
50	Do Not Disturb	DND	NoDist	X	X	X	-	X	-	-	-	-	-	-	
51	Microphone	MIC	Mic	X	X	X	X	X	X	X	X	X	X	X	
52-54	-	-	-	-		-	-	-	-	-	-	-	-	-	
55	PAGE	BPAGE	Page	X	X	X	X	X	X	X	X	-	-	X	
56-58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
59	Release Key	RLS	Release	X	X	X	X	X	X	X	X	X	X	X	
60	Manual Signaling Key	SIG	Signal		-	-	-	X	-	-	-	-	-	-	
61-82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
83	Retain Conference Note 6	CKEEP	CallKeep	-	-	-	-	X	-	-	-	-	-	X	
84	Serial Call	SCALL	Serial	-	-	-	-	X	-	-	-	-	-	-	
85	Internal Zone Paging	IZP	IZpaging	-	X	-	-	-	X	-	-	-	-	X	
86		-	-	-	-	-	-	-	-	-	-	-	-	-	
87	Wake Up Set	WUS	Wake Up	X	-	-	-	-	-	-	-	-	-	-	
88	Wake Up Reset	WUR	NoWakeUp	X	-	-	-	-	-	-	-	-	-	-	
89	Do Not Disturb Set	DDS	NoDist	X	-	-	-	-	-	-	-	-	-	-	
90	Do Not Disturb Reset	DDR	Disturb	X	-	-	-	-	-	-	-	-	-	-	
91	Room Cut Off Set	RCS	R-CutOff	X	-	-	-	-	-	-	-	-	-	-	
92	Room Cut Off Reset	RCR	No RCOff	X	-	-	-	-	-	-	-	-	-	-	
93	Message Waiting Set	MWS	MSG Wait	X	-	-	-	-	-	-	-	-	-	-	
94	Message Waiting Reset	MWR	No MSGwt	X	-	-	-	-	-	-	-	-	-	-	
95	Check In	C/I	CheckIn	X	-	-	-	-	-	-	-	-	-	-	
96	Check Out	C/O	CheckOut	X	-	-	-	-	-	-	-	-	-	-	
97	Status	STS	Status	X	-	-	-		-	-	-	-	-	-	
98	Audit	AUD	Audit	X	-	-	-	-	-	-	-	-	-	-	
99	Enter	ENT	Enter	X	-	-	-		-	-	-	-	-	-	
100	Clear Enter	CE	ClearEnt	X	-	-	-		-	-	-	-	-	-	
101	END	END	End	X		-	-	-		-	-	-	-		
102-112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
113	Call ID Change Display	IDCHG	IDChange	X	-	-	-	X	X	-	-	-	-	-	
114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
115	Call Pickup Expand	GPICK	G-PickUp	-	X	-	-	-	-	-	-	-	-	-	
116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
117	Ringer Mute	RMUTE	RingMute	-	X	X	X	X	X	X	X	X	X	X	
118, 119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
120	Next Page of Soft Keys (Scroll	>>>>	>>>>	X	X	X	X	X	X	X	X	X	X	X	
121	Previous Page of Software Keys (Back Scroll Key)	<<<<	<<<<	X	X	X	X	X	X	X	X	X	X	X	
122	-				-	-	-	-	-	-	-	-	-	-	

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE										
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15
123	Off Hook Ringing	OHR	OffHook	X	X	X	X	X	X	X	X	X	X	X
124	MUTE	MUTE	Mute	-	-	-	-	X	-	-	X	-	-	-
125	Headset/Handset Note 4	HSET	Headset	X	X	X	X	X	X	X	X	X	X	X
126	Transfer to Sub Station	PS	PS key	X	-	-	-	-	-	-	-	-	-	-
127	Boss Move	B_MV	BossMove	X	-	-	-	-	-	-	-	-	-	-
128	Call Block	IDRST	C-Block	X	X	-	-	X	-	-	-	-	-	-
129	Call Trace	RPT	C-Trace	-	X	-	-	X	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131	Disconnect	DISC	Disc	-	-	-	-	-	X	-	-	-	X	-
132	Call Redirect (North America on-	REDIR	Redirect	X	-	X	-	-	-	-	-	-	-	X
133	Remote Call Hold (North Ameri-	RHOLD	Remote	-	-	-	-	-	-	-	-	-	-	X
134	-	-	-	-	-	-	-	-	-	-	-	-	-	-
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136	Selectable Station Call Pickup	S PCK	Sel-Pick	-	X	-	-	-	-	-	-	-	-	-
137	Selectable Station Call Pickup	GSPCK	GSelPick	-	X	-	-	-	-	-	-	-	-	-
138- 141	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142	LOGOUT for IP Enabled Dterm	L-OUT	Logout	X	-	-	-	-	-	-	-	-	-	-
143-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
146	Expanded Speed Calling-Station	ESPD	Ex-Speed	-	X	-	-	-	-	-	-	-	-	-
147	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148	Call Forwarding-Logout	FDL	CFLogout	-	X	-	-	-	-	-	-	-	-	-
149	Message Audible Alert (North America)	MSGA	MSGAlert											
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151	MA-ID Setting	MAID	MA-IDSet	X	X	-	-	-	-	-	-	-	-	-
152- 155	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156	Visitor Key	VISIT	Visitor	X	-	-	-	-	-	-	-	-	-	-
157	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158	Call Park Deluxe Hold/Retrieve-	PARK1	Park-1	-	X	-	-	X	-	-	-	-	-	-
159	Call Park Deluxe Hold/Retrieve-	PARK2	Park-2	-	X	-	-	X	-	-	-	-	-	-
160	Call Park Deluxe Hold/Retrieve-	PARK3	Park-3	-	X	-	-	X	-	-	-	-	-	-
161	Call Park Deluxe Hold/Retrieve-	PARK4	Park-4	-	X	-	-	X	-	-	-	-	-	-
162	Call Park Deluxe Hold/Retrieve-	PARK5	Park-5	-	X	-	-	X	-	-	-	-	-	-
163	Privacy Key	PVCY	Secret	X	X	X	X	X	X	X	X	X	X	X
164	-	-	-	-	-	-	-	-	-	-	-	-	-	-
165	SPD Name Assign	Name	SPD Name	X	-	-	-	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-	-	-	-	-	-	-	-
167	Mobility Access	MACC	Mob-ACS	X	X	-	-	-	-	-	-	-	-	-
168- 176	-	-	-	-	-	-	-	-	-	-	-	-	-	-
177	Language Change	LANG	Language	X	-	-	-	-	-	-	-	-	-	-
178	Call History	iCall	History	X	-	-	-	-	-	-	-	-	-	-

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE										
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15
179	Conference Display	CDSP	Conf.Dis	-	-	-	-	X	-	-	-	-	-	-
180	Phone book	Pbook	P.Book	X	-	-	-	-	-	-	-	-	-	-
181- 183	-	-	-	-	-	-	-	-	-	-	-	-	-	-
184	Power Saving	PWRsv	PWR.save	X	-	-	-	-	-	-	-	-	-	-
185- 189	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190	Display Reversing	RVERS	Reverse	X	X	X	X	X	X	X	X	X	X	X
191- 192	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193	Line Information Change Display	IDCHG	Myline	X	-	-	-	-	-	-	-	-	-	-
194- 197	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198	Large Font	LgFont	LgFont	X	X	X	X	X	X	X	X	X	X	X
199	SPD setting	SPDSET	SPD Set	X	-	-	-	-	-	-	-	-	-	-
200- 320	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 2: For DT800 Series, eight digits characters with a frame are displayed on LCD in default settings. When you assign the system data (ASYDL/ASYDN, SYS1, Index 1258, Bit 2=1), six digits characters without a frame will be displayed. For terminals other than DT800 Series, the soft key indication characters are displayed as six digits without a frame.

Note 3: The soft key indication characters are displayed as six digits without a frame when using AFDD command.

Note 4: When assigning the HEADSET Feature key, enter the related data to all Status Numbers (SN).

Note 5: For eight digits characters display, the soft key indication characters are displayed in mixed case only when the language is assigned as “English for NEC” or “Extension Languages (English_002.txt)” by ASLG command.

Note 6: SN15 is available since FP95-115 V5.

FKY (11 Characters Display for DESI-Less Terminal) Note 7, Note 8, Note 10

FKY	SERVICE NAME	11 CHARACTERS DISPLAY FOR DESI-LESS TERMINAL
1	Call Forwarding-Busy Line	CF-BusyLine
2	Call Forwarding-All Calls	CF-AllCalls
3	Executive Right of Way	Exe-Over
4	Call Waiting	CallWaiting
5	Call Back	Call Back
6	-	-
7	Save and Repeat	Save&Repeat
8	-	-
9	Boss-Secretary-Message Waiting Lamp Control; Set	MSG Waiting
10	Call Hold	Call Hold
11	Boss-Secretary-Message Waiting Lamp Control; Cancel	No MSG Wait
12	Call Pickup-Group	Call Pickup
13	Three-way Calling	Conference
14	Voice Call	Voice Call
15	Speed Calling-System	Sys-Speed
16	-	-
17	CAS SHF	CAS SHF
18	-	-
19	UCD Busy Out	UCD BusyOut
20	-	-
21	Flash Button	Flash
22	Call Forwarding-Don't Answer	CF-NoAnswer
23, 24	-	-
25	ISDN Malicious Call (Australia and U.A.E. only)	MC-Trace
26	Speed Calling-Station	Group Speed
27-33	-	-
34	OAI Key Code 1	OAI-1
35	OAI Key Code 2	OAI-2
36	OAI Key Code 3	OAI-3
37	OAI Key Code 4	OAI-4
38	OAI Key Code 5	OAI-5
39	OAI Key Code 6	OAI-6
40	OAI Key Code 7	OAI-7
41	OAI Key Code 8	OAI-8
42	OAI Key Code 9	OAI-9
43	OAI Key Code 10	OAI-10
44	OAI Key Code 11	OAI-11
45	OAI Key Code 12	OAI-12
46	OAI Key Code 13	OAI-13
47	-	-
48	Privacy Release	Privacy Rel
49	-	-

FKY	SERVICE NAME	11 CHARACTERS DISPLAY FOR DESI-LESS TERMINAL
50	Do Not Disturb	No Disturb
51	Microphone	Microphone
52-54	-	-
55	PAGE	Page
56-58	-	-
59	Release Key	Release
60	Manual Signaling Key	Signaling
61-82	-	-
83	Retain Conference	Call Keep
84	Serial Call	Serial Call
85	Internal Zone Paging	IZ Paging
86	-	-
87	Wake Up Set	Wake Up
88	Wake Up Reset	No Wake Up
89	Do Not Disturb Set	No Disturb
90	Do Not Disturb Reset	Disturb
91	Room Cut Off Set	RoomCutOff
92	Room Cut Off Reset	No R-CutOff
93	Message Waiting Set	MSG Wait
94	Message Waiting Reset	No MSG Wait
95	Check In	Check In
96	Check Out	Check Out
97	Status	Status
98	Audit	Audit
99	Enter	Enter
100	Clear Enter	Clear Enter
101	END	End
102-112	-	-
113	Call ID Change Display	ID Change
114	-	-
115	Call Pickup Expand	CroupPickUp
116	-	-
117	Ringer Mute	Ringer Mute
118, 119	-	-
120	Next Page of Soft Keys (Scroll Key)	>>>
121	Previous Page of Software Keys (Back Scroll Key)	<<<
122	-	-
123	Off Hook Ringing	OffHookRing
124	MUTE	Mute
125	Headset/Handset Note 9	Headset
126	Transfer to Sub Station	PS Key
127	Boss Move	Boss Move
128	Call Block	Call Block
129	Call Trace	Call Trace

FKY	SERVICE NAME	11 CHARACTERS DISPLAY FOR DESI-LESS TERMINAL
130	-	-
131	Disconnect	Disconnect
132	Call Redirect (North America only)	Redirect
133	Remote Call Hold (North America only)	Remote Hold
134	-	-
135	-	-
136	Selectable Station Call Pickup	SelectPick
137	Selectable Station Call Pickup Group	GSelectPick
138-141	-	-
142	LOGOUT for IP Enabled Dterm	Logout
143-145	-	-
146	Expanded Speed Calling-Station	Ex-Speed
147	-	-
148	Call Forwarding-Logout	CF-Logout
149	Message Audible Alert (North America)	MSG-Alert
150	-	-
151	MA-ID Setting	MA-ID Set
152-155	-	-
156	Visitor Key	Visitor
157	-	-
158	Call Park Deluxe Hold/Retrieve-1	CallPark-1
159	Call Park Deluxe Hold/Retrieve-2	CallPark-2
160	Call Park Deluxe Hold/Retrieve-3	CallPark-3
161	Call Park Deluxe Hold/Retrieve-4	CallPark-4
162	Call Park Deluxe Hold/Retrieve-5	CallPark-5
163	Privacy Key	Num Secret
164	-	-
165	SPD Name Assign	SPD Name
166	-	-
167	Mobility Access	Mob-Access
168-176	-	-
177	Language Change	Language
178	Call History	CallHistory
179	Conference Display	Conf.Disp
180	Phone book	Phone Book
181-183	-	-
184	Power Saving	Power Save
185-189	-	-
190	Display Reversing	Reverse
191-192	-	-
193	Line Information Change Display	Myline Disp
194-197	-	-
198	Large Font	Large Font
199	SPD setting	SPD setting
200-320	-	-

Note 7: For DT800/DT700/DT400/DT300 Series, 11 digits characters are displayed on LCD in default settings. When you assign the system data (ASYDL/ASYDN, System Data 1, Index 684, Bit 0=1), six digits characters will be displayed. For other terminals, six digits characters are displayed.

Note 8: The soft key indication characters are displayed as six digits when using AFDD command.

Note 9: When assigning the HEADSET Feature key, enter the related data to all Status Numbers (SN).

Note 10: For 11 digits characters display, the soft key indication characters are displayed in mixed case only when the language is assigned as “English for NEC” or “Extension Languages (English_002.txt)” by ASLG command.

4. Data Sheet

SOFT KEY PATTERN (SKP)	STATUS NUMBER (SN)	SOFT KEY NUMBER (SKN)	FUNCTION KEY CODE (FKY)	DISPLAY MESSAGE ON LCD (DISP)	REMARKS
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			
		12			
		13			
		14			
		15			

ADSLN: Assignment of Dterm Soft Key on LCD for NDM

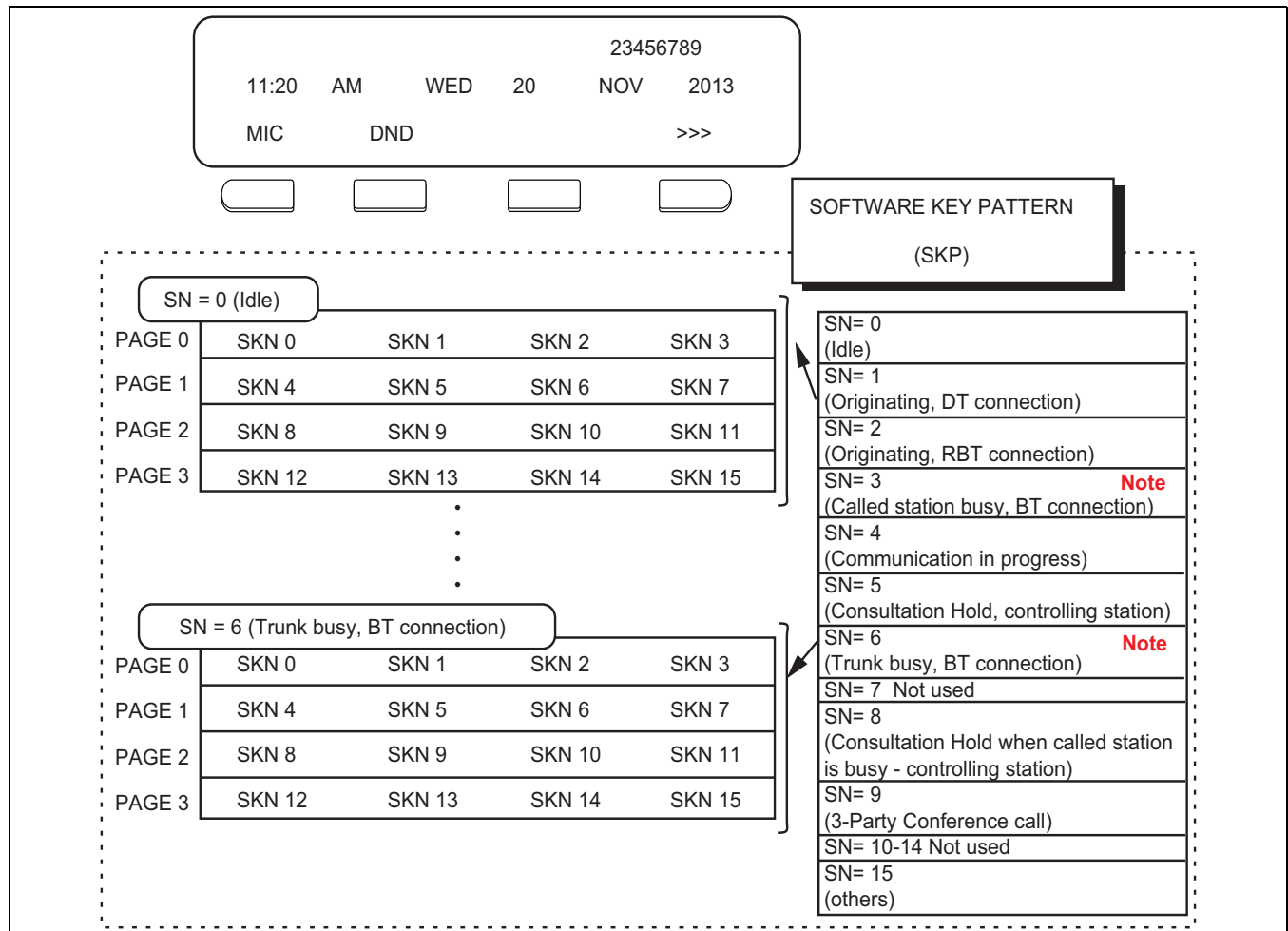
1. General

This command creates an additional soft key pattern for a Desktop terminal.

2. Precautions

- Four soft keys appear on a Desktop terminal, and each soft key has four pages. This allows each soft key to have four different functions. A station user may turn the soft key pages over by pressing the page scroll key, that may be indicated by >>>.
- The soft key allows different functions to be assigned depending on the call status of the Desktop terminal station.
- This command creates the maximum of 16 customized key patterns.
- Soft Key Number (SKN) is the guide number to assign the function data (FKY) onto each soft key of all the pages. SKN within a Soft Key Pattern (SKP) is shown in the following:

Soft Key Pattern



Note: Available only for the Station where Busy Service is applied.

5. After system initialization is performed, the soft key cannot be used for one minute.
6. When the soft key data is set on a system basis, SKP=0 is assigned by this command.
7. The priority order for displaying the data in the Feature key area (the third line or the lowest line) is as follows.

PRIORITY ORDER	DISPLAYED DATA	DESCRIPTION
1	Services set to the Feature key data	The application service that is set to the Feature key
2	Services set to the Feature key data	Only when the station is idle/originating and the service set to the Feature key
3	Soft key assigned via Feature key	When the soft key data is in the middle of being set via the Feature key (FKY=122)
4	(a) Soft key data used on a station basis	The soft key data assigned via the ADSLN (SKP=0) and also at ADKS command.
	(b) Soft key used on a system basis	The soft key data is assigned via the ADSLN (SKP=0).
	(c) Default soft key data by ROM data	Default soft key data (a) or (b) data shown above is not programmed.

8. The LCD display changes after a minute when the soft key data is assigned to all stations in a system using this command or the characters for the LCD display are changed using the AFDD command.
9. When the soft key data is programmed for the busy station, the LCD display does not change until the station becomes idle.
10. The same function data (FKY) cannot be assigned to both soft key and Feature key.
11. The created soft key pattern, that is assigned at SKP≠0, is applied to a Desktop terminal by designating the programmed SKP number in ADKS. As for the key pattern data in SKP=0, ADKS is not necessary. If SKP=0 is designated in ADKS, default key pattern data (refer to Figure "Soft Key Pattern") is applied to the Desktop terminal.
12. Soft key data must be reassigned after constructing FCCS network.
13. The data assignment of ADSL must be all deleted before assigning ADSLN.
14. For adding a new node to the system in which the soft key data is already assigned by the ADSLN command (**Note 1**), SKP (soft key pattern) and SN (status number) must be reassigned by the ADSLN command. (To reassign them, press [Get], [Del] and then [Set] buttons in that order.)

Note 1: It corresponds to the following situations:

- a new node is added to the existing standalone system and that system is upgraded to FCCS system.
- a new node is added to the existing FCCS system.

3. Data Entry Instructions

SKP: Soft Key Pattern [0-15]

Assign arbitrary number from 0 through 15.

0=soft key pattern shared in a system

1-15=soft key pattern allotted to each station

SN: Status Number [0-15]

0=Idle

1=Originating (Dial Tone connection)

2=Originating (Ringback Tone connection)

3=Called station busy (Busy Tone connection) **Note 1**

4=Communication in progress (Converse)

5=Consultation Hold (Controlling station)

6=Trunk busy (Busy Tone connection) **Note 1**

7=Not used

8=Consultation Hold when Called Station is Busy (Controlling station)

9=3-Party Conference Call

10-14=Not used

15=Others

Note 1: Available only for the Station where Busy Service is applied.

SKN: Soft Key Number [0-15]

Soft key number (SKN) appears on the PCPro.

FKY: Function Key Number [0-320]

See page 369, for 11 Characters Display for DESI-Less Terminal, see page 373.

Note: FKY 0 is used when a Function Key Number (FKY) is not assigned to a Soft Key Number (SKN).

Note: The default characters are shown in the Default Display.

DISP: Display Message on LCD

The soft key indication is displayed.

Note: The soft key indication characters are not displayed up to six digits. However, the default characters of eight digits can be displayed.

Note: When the soft key indication is assigned by AFDDN command, the data assigned with this command has priority. When not assigned, the default characters are displayed.

FKY (ADSLN) **Note 2, Note 3, Note 5**

X: Available -: Not Available

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE										
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15
1	Call Forwarding-Busy Line	FDB	CF-Busy	-	X	-	-	-	-	-	-	-	-	-
2	Call Forwarding-All Calls	FDA	CF-All	-	X	-	-	-	-	-	-	-	-	-
3	Executive Right of Way	E-OVR	Exe-Over	-	-	-	X	-	-	-	-	-	-	-
4	Call Waiting	CW	CallWait	-	-	-	X	-	-	-	-	-	-	-
5	Call Back	CB	CallBack	-	-	-	X	-	-	-	-	X	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Save and Repeat	S&R	Save&Rep	X	X	X	X	X	-	X	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Boss-Secretary-Message Waiting Lamp Control; Set	MW SET	MSG Wait	-	X	-	-	-	-	-	-	-	-	-
10	Call Hold	C_HOLD	CallHold	-	-	-	-	X	-	-	-	-	-	-
11	Boss-Secretary-Message Waiting Lamp Control; Can- cel	MWOFF	no MSGwt	-	X	-	-	-	-	-	-	-	-	-
12	Call Pickup-Group	PICK	PickUp	-	X	-	-	-	-	-	-	-	-	-
13	Three-way Calling Note 6	CONF	Conf.	-	-	-	-	-	X	-	-	-	-	X
14	Voice Call	VOICE	Voice	-	-	X	-	-	-	-	-	-	-	-
15	Speed Calling-System	S-SPD	SysSpeed	-	X	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	CAS SHF	CAS	CAS SHF	-	X	X	X	X	X	X	-	-	-	X
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	UCD Busy Out	UCDBO	Busy Out	X	-	-	-	X	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Flash Button	FLASH	Flash	-	X	X	X	X	X	X	X	-	-	X
22	Call Forwarding-Don't An-	FDN	CF-NoAns	-	X	-	-	-	-	-	-	-	-	-
23, 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	ISDN Malicious Call (Australia and U.A.E. only)	C_RPT	MC-Trace	-	-	-	-	X	-	-	-	-	-	-
26	Speed Calling-Station	G_SPD	GrpSpeed	-	X	-	-	-	-	-	-	-	-	-
27-33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	OAI Key Code 1	OAI 1	OAI-1	-	X	-	-	X	-	-	-	-	-	-
35	OAI Key Code 2	OAI 2	OAI-2	-	X	-	-	X	-	-	-	-	-	-
36	OAI Key Code 3	OAI 3	OAI-3	-	X	-	-	X	-	-	-	-	-	-
37	OAI Key Code 4	OAI 4	OAI-4	-	X	-	-	X	-	-	-	-	-	-
38	OAI Key Code 5	OAI 5	OAI-5	-	X	-	-	X	-	-	-	-	-	-
39	OAI Key Code 6	OAI 6	OAI-6	-	X	-	-	X	-	-	-	-	-	-
40	OAI Key Code 7	OAI 7	OAI-7	-	X	-	-	X	-	-	-	-	-	-
41	OAI Key Code 8	OAI 8	OAI-8	-	X	-	-	X	-	-	-	-	-	-
42	OAI Key Code 9	OAI 9	OAI-9	-	X	-	-	X	-	-	-	-	-	-
43	OAI Key Code 10	OAI 10	OAI-10	-	X	-	-	X	-	-	-	-	-	-
44	OAI Key Code 11	OAI 11	OAI-11	-	X	-	-	X	-	-	-	-	-	-
45	OAI Key Code 12	OAI 12	OAI-12	-	X	-	-	X	-	-	-	-	-	-
46	OAI Key Code 13	OAI 13	OAI-13	-	X	-	-	X	-	-	-	-	-	-

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE											
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15	
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
48	Privacy Release	P-RLS	Priv.Rel	X	-	-	-	X	-	-	-	-	-	-	
49	-	-	-	-		-	-	-	-	-	-	-	-	-	
50	Do Not Disturb	DND	NoDist	X	X	X	-	X	-	-	-	-	-	-	
51	Microphone	MIC	Mic	X	X	X	X	X	X	X	X	X	X	X	
52-54	-	-	-	-		-	-	-	-	-	-	-	-	-	
55	PAGE	BPAGE	Page	X	X	X	X	X	X	X	X	-	-	X	
56-58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
59	Release Key	RLS	Release	X	X	X	X	X	X	X	X	X	X	X	
60	Manual Signaling Key	SIG	Signal		-	-	-	X	-	-	-	-	-	-	
61-82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
83	Retain Conference Note 6	CKEEP	CallKeep	-	-	-	-	X	-	-	-	-	-	X	
84	Serial Call	SCALL	Serial	-	-	-	-	X	-	-	-	-	-	-	
85	Internal Zone Paging	IZP	IZpaging	-	X	-	-	-	X	-	-	-	-	X	
86		-	-	-	-	-	-	-	-	-	-	-	-	-	
87	Wake Up Set	WUS	Wake Up	X	-	-	-	-	-	-	-	-	-	-	
88	Wake Up Reset	WUR	NoWakeUp	X	-	-	-	-	-	-	-	-	-	-	
89	Do Not Disturb Set	DDS	NoDist	X	-	-	-	-	-	-	-	-	-	-	
90	Do Not Disturb Reset	DDR	Disturb	X	-	-	-	-	-	-	-	-	-	-	
91	Room Cut Off Set	RCS	R-CutOff	X	-	-	-	-	-	-	-	-	-	-	
92	Room Cut Off Reset	RCR	No RCOff	X	-	-	-	-	-	-	-	-	-	-	
93	Message Waiting Set	MWS	MSG Wait	X	-	-	-	-	-	-	-	-	-	-	
94	Message Waiting Reset	MWR	No MSGwt	X	-	-	-	-	-	-	-	-	-	-	
95	Check In	C/I	CheckIn	X	-	-	-	-	-	-	-	-	-	-	
96	Check Out	C/O	CheckOut	X	-	-	-	-	-	-	-	-	-	-	
97	Status	STS	Status	X	-	-	-		-	-	-	-	-	-	
98	Audit	AUD	Audit	X	-	-	-	-	-	-	-	-	-	-	
99	Enter	ENT	Enter	X	-	-	-		-	-	-	-	-	-	
100	Clear Enter	CE	ClearEnt	X	-	-	-		-	-	-	-	-	-	
101	END	END	End	X		-	-	-		-	-	-	-		
102-112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
113	Call ID Change Display	IDCHG	IDChange	X	-	-	-	X	X	-	-	-	-	-	
114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
115	Call Pickup Expand	GPICK	G-PickUp	-	X	-	-	-	-	-	-	-	-	-	
116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
117	Ringer Mute	RMUTE	RingMute	-	X	X	X	X	X	X	X	X	X	X	
118, 119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
120	Next Page of Soft Keys (Scroll	>>>>	>>>>	X	X	X	X	X	X	X	X	X	X	X	
121	Previous Page of Software Keys (Back Scroll Key)	<<<<	<<<<	X	X	X	X	X	X	X	X	X	X	X	
122	-				-	-	-	-	-	-	-	-	-	-	

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE										
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15
123	Off Hook Ringing	OHR	OffHook	X	X	X	X	X	X	X	X	X	X	X
124	MUTE	MUTE	Mute	-	-	-	-	X	-	-	X	-	-	-
125	Headset/Handset Note 4	HSET	Headset	X	X	X	X	X	X	X	X	X	X	X
126	Transfer to Sub Station	PS	PS key	X	-	-	-	-	-	-	-	-	-	-
127	Boss Move	B_MV	BossMove	X	-	-	-	-	-	-	-	-	-	-
128	Call Block	IDRST	C-Block	X	X	-	-	X	-	-	-	-	-	-
129	Call Trace	RPT	C-Trace	-	X	-	-	X	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131	Disconnect	DISC	Disc	-	-	-	-	-	X	-	-	-	X	-
132	Call Redirect (North America on-	REDIR	Redirect	X	-	X	-	-	-	-	-	-	-	X
133	Remote Call Hold (North Ameri-	RHOLD	Remote	-	-	-	-	-	-	-	-	-	-	X
134	-	-	-	-	-	-	-	-	-	-	-	-	-	-
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136	Selectable Station Call Pickup	S PCK	Sel-Pick	-	X	-	-	-	-	-	-	-	-	-
137	Selectable Station Call Pickup	GSPCK	GSelPick	-	X	-	-	-	-	-	-	-	-	-
138- 141	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142	LOGOUT for IP Enabled Dterm	L-OUT	Logout	X	-	-	-	-	-	-	-	-	-	-
143- 145	-	-	-	-	-	-	-	-	-	-	-	-	-	-
146	Expanded Speed Calling-Station	ESPD	Ex-Speed	-	X	-	-	-	-	-	-	-	-	-
147	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148	Call Forwarding-Logout	FDL	CFLogout	-	X	-	-	-	-	-	-	-	-	-
149	Message Audible Alert (North America)	MSGA	MSGAlert											
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151	MA-ID Setting	MAID	MA-IDSet	X	X	-	-	-	-	-	-	-	-	-
152- 155	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156	Visitor Key	VISIT	Visitor	X	-	-	-	-	-	-	-	-	-	-
157	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158	Call Park Deluxe Hold/Retrieve-	PARK1	Park-1	-	X	-	-	X	-	-	-	-	-	-
159	Call Park Deluxe Hold/Retrieve-	PARK2	Park-2	-	X	-	-	X	-	-	-	-	-	-
160	Call Park Deluxe Hold/Retrieve-	PARK3	Park-3	-	X	-	-	X	-	-	-	-	-	-
161	Call Park Deluxe Hold/Retrieve-	PARK4	Park-4	-	X	-	-	X	-	-	-	-	-	-
162	Call Park Deluxe Hold/Retrieve-	PARK5	Park-5	-	X	-	-	X	-	-	-	-	-	-
163	Privacy Key	PVCY	Secret	X	X	X	X	X	X	X	X	X	X	X
164	-	-	-	-	-	-	-	-	-	-	-	-	-	-
165	SPD Name Assign	Name	SPD Name	X	-	-	-	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-	-	-	-	-	-	-	-
167	Mobility Access	MACC	Mob-ACS	X	X	-	-	-	-	-	-	-	-	-
168- 176	-	-	-	-	-	-	-	-	-	-	-	-	-	-
177	Language Change	LANG	Language	X	-	-	-	-	-	-	-	-	-	-

FKY	SERVICE NAME	DEFAULT DISPLAY (6 digits)	DEFAULT DISPLAY (8 digits)	STATE										
				SN 0	SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8	SN 9	SN 15
178	Call History	iCall	History	X	-	-	-	-	-	-	-	-	-	-
179	Conference Display	CDSP	Conf.Dis	-	-	-	-	X	-	-	-	-	-	-
180	Phone book	Pbook	P.Book	X	-	-	-	-	-	-	-	-	-	-
181- 183	-	-	-	-	-	-	-	-	-	-	-	-	-	-
184	Power Saving	PWRsv	PWR.save	X	-	-	-	-	-	-	-	-	-	-
185- 189	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190	Display Reversing	RVERS	Reverse	X	X	X	X	X	X	X	X	X	X	X
191- 192	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193	Line Information Change Display	IDCHG	Myline	X	-	-	-	-	-	-	-	-	-	-
194- 197	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198	Large Font	LgFont	LgFont	X	X	X	X	X	X	X	X	X	X	X
199	SPD setting	SPDSET	SPD Set	X	-	-	-	-	-	-	-	-	-	-
200- 320	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 2: For DT800 Series, eight digits characters with a frame are displayed on LCD in default settings. When you assign the system data (ASYDL/ASYDN, SYS1, Index 1258, Bit 2=1), six digits characters without a frame will be displayed. For terminals other than DT800 Series, the soft key indication characters are displayed as six digits without a frame.

Note 3: The soft key indication characters are displayed as six digits when using AFDD command without a frame.

Note 4: When assigning the HEADSET Feature key, enter the related data to all Status Numbers (SN).

Note 5: For eight digits characters display, the soft key indication characters are displayed in mixed case only when the language is assigned as “English for NEC” or “Extension Languages (English_002.txt)” by ASLG command.

Note 6: SN15 is available since FP95-115 V5.

FKY (11 Characters Display for DESI-Less Terminal) Note 7, Note 8, Note 10

FKY	SERVICE NAME	11 CHARACTERS DISPLAY FOR DESI-LESS TERMINAL
1	Call Forwarding-Busy Line	CF-BusyLine
2	Call Forwarding-All Calls	CF-AllCalls
3	Executive Right of Way	Exe-Over
4	Call Waiting	CallWaiting
5	Call Back	Call Back
6	-	-
7	Save and Repeat	Save&Repeat
8	-	-
9	Boss-Secretary-Message Waiting Lamp Control; Set	MSG Waiting
10	Call Hold	Call Hold
11	Boss-Secretary-Message Waiting Lamp Control; Cancel	No MSG Wait
12	Call Pickup-Group	Call Pickup
13	Three-way Calling	Conference
14	Voice Call	Voice Call
15	Speed Calling-System	Sys-Speed
16	-	-
17	CAS SHF	CAS SHF
18	-	-
19	UCD Busy Out	UCD BusyOut
20	-	-
21	Flash Button	Flash
22	Call Forwarding-Don't Answer	CF-NoAnswer
23, 24	-	-
25	ISDN Malicious Call (Australia and U.A.E. only)	MC-Trace
26	Speed Calling-Station	Group Speed
27-33	-	-
34	OAI Key Code 1	OAI-1
35	OAI Key Code 2	OAI-2
36	OAI Key Code 3	OAI-3
37	OAI Key Code 4	OAI-4
38	OAI Key Code 5	OAI-5
39	OAI Key Code 6	OAI-6
40	OAI Key Code 7	OAI-7
41	OAI Key Code 8	OAI-8
42	OAI Key Code 9	OAI-9
43	OAI Key Code 10	OAI-10
44	OAI Key Code 11	OAI-11
45	OAI Key Code 12	OAI-12
46	OAI Key Code 13	OAI-13
47	-	-
48	Privacy Release	Privacy Rel
49	-	-

FKY	SERVICE NAME	11 CHARACTERS DISPLAY FOR DESI-LESS TERMINAL
50	Do Not Disturb	No Disturb
51	Microphone	Microphone
52-54	-	-
55	PAGE	Page
56-58	-	-
59	Release Key	Release
60	Manual Signaling Key	Signaling
61-82	-	-
83	Retain Conference	Call Keep
84	Serial Call	Serial Call
85	Internal Zone Paging	IZ Paging
86	-	-
87	Wake Up Set	Wake Up
88	Wake Up Reset	No Wake Up
89	Do Not Disturb Set	No Disturb
90	Do Not Disturb Reset	Disturb
91	Room Cut Off Set	RoomCutOff
92	Room Cut Off Reset	No R-CutOff
93	Message Waiting Set	MSG Wait
94	Message Waiting Reset	No MSG Wait
95	Check In	Check In
96	Check Out	Check Out
97	Status	Status
98	Audit	Audit
99	Enter	Enter
100	Clear Enter	Clear Enter
101	END	End
102-112	-	-
113	Call ID Change Display	ID Change
114	-	-
115	Call Pickup Expand	CroupPickUp
116	-	-
117	Ringer Mute	Ringer Mute
118, 119	-	-
120	Next Page of Soft Keys (Scroll Key)	>>>
121	Previous Page of Software Keys (Back Scroll Key)	<<<
122	-	-
123	Off Hook Ringing	OffHookRing
124	MUTE	Mute
125	Headset/Handset Note 9	Headset
126	Transfer to Sub Station	PS Key
127	Boss Move	Boss Move
128	Call Block	Call Block
129	Call Trace	Call Trace

FKY	SERVICE NAME	11 CHARACTERS DISPLAY FOR DESI-LESS TERMINAL
130	-	-
131	Disconnect	Disconnect
132	Call Redirect (North America only)	Redirect
133	Remote Call Hold (North America only)	Remote Hold
134	-	-
135	-	-
136	Selectable Station Call Pickup	SelectPick
137	Selectable Station Call Pickup Group	GSelectPick
138-141	-	-
142	LOGOUT for IP Enabled Dterm	Logout
143-145	-	-
146	Expanded Speed Calling-Station	Ex-Speed
147	-	-
148	Call Forwarding-Logout	CF-Logout
149	Message Audible Alert (North America)	MSG-Alert
150	-	-
151	MA-ID Setting	MA-ID Set
152-155	-	-
156	Visitor Key	Visitor
157	-	-
158	Call Park Deluxe Hold/Retrieve-1	CallPark-1
159	Call Park Deluxe Hold/Retrieve-2	CallPark-2
160	Call Park Deluxe Hold/Retrieve-3	CallPark-3
161	Call Park Deluxe Hold/Retrieve-4	CallPark-4
162	Call Park Deluxe Hold/Retrieve-5	CallPark-5
163	Privacy Key	Num Secret
164	-	-
165	SPD Name Assign	SPD Name
166	-	-
167	Mobility Access	Mob-Access
168-176	-	-
177	Language Change	Language
178	Call History	CallHistory
179	Conference Display	Conf.Disp
180	Phone book	Phone Book
181-183	-	-
184	Power Saving	Power Save
185-189	-	-
190	Display Reversing	Reverse
191-192	-	-
193	Line Information Change Display	Myline Disp
194-197	-	-
198	Large Font	Large Font
199	SPD setting	SPD setting
200-320	-	-

Note 7: For DT800/DT700/DT400/DT300 Series, 11 digits characters are displayed on LCD in default settings. When you assign the system data (ASYDL/ASYDN, System Data 1, Index 684, Bit 0=1), six digits characters will be displayed. For other terminals, six digits characters are displayed.

Note 8: The soft key indication characters are displayed as six digits when using AFDD command.

Note 9: When assigning the HEADSET Feature key, enter the related data to all Status Numbers (SN).

Note 10: For 11 digits characters display, the soft key indication characters are displayed in mixed case only when the language is assigned as “English for NEC” or “Extension Languages (English_002.txt)” by ASLG command.

4. Data Sheet

SOFT KEY PATTERN (SKP)	STATUS NUMBER (SN)	SOFT KEY NUMBER (SKN)	FUNCTION KEY CODE (FKY)	DISPLAY MESSAGE ON LCD (DISP)	REMARKS
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			
		12			
		13			
		14			
		15			

ADTM: Assignment of Data for TCP/IP Module

1. General

This command is used to assign/delete the TCP/IP module data, such as IP address, default gateway, and NIC data for controlling the whole Node system by MGC. Operation status of TCP/IP module can be read out and indicated on the display.

2. Precautions

1. When the following data are modified or assigned, TCP/IP module (Telephony Server) must be restarted. The applications such as PCPro which are connected to the Telephony Server via TCP will be disconnected.
 - IP Address/Subnet Mask (automatic restart) [LAN1/LAN2]
 - IP Address2 (automatic restart) [LAN1]
 - IPv6 Address/Prefix Length (automatic restart) [LAN1]
 - Configure Application Port (manual restart) [Common]
 - Configure SNMP (manual restart) [LAN2]
 - Fault Message Output via e-mail (manual restart) [LAN2]
2. The main window appears by executing the ADTM command. When LAN is selected at “Select LAN Interface” and then the GET button is clicked, LAN Current Status field is provided to indicate the operating state of TCP/IP module (MGC), ACT/STBY state of System 0/1 is shown respectively. When Geographic Redundancy is enabled, MGC Number is also required. When this command is used in the UMGi/RNIP system, CCN/LP can be specified as a target node (if logged in to CCN the contents of CCN and RNs in normal mode are displayed, if logged in to an RN, only the contents of such node are displayed). If CCN is selected, select a LAN interface (LAN1/LAN2), and then click the Get button. TCP/IP Module Current Status box appears and shows the status of each CPU-side information. For the Geographic-Redundancy-enabled UMGi system, CCN/LP will not be displayed.

Note: TCP/IP Module Current Status box is not displayed when an MGC number other than the Self MGC is specified by the MGC No. when Geographic Redundancy is enabled, with the exception of an operating-mode RN in a UMGi. The box is displayed if an MGC number of an operating-mode RN in normal mode is specified by the MGC No. when the Self MGC is CCN in operating mode.

The meaning of the lamp indication are as follows:

Green: Running (ACT)

Yellow: Running (STBY)

Red: Stop

Gray: Not mounted

At the middle field of the main window, IP Address, Routing, NIC and Options can be assigned through each tab. When assigning or modifying these data, click appropriate tab for each configuration.

Note: If a LAN interface read out is not connected while Auto Negotiation is selected in the speed setting of the NIC card, “1Gbps/Half Duplex” appears in “TCP/IP Module Current Status” box. However, as for SV9500 Prepackaged Server Model, “1Gbps/Full Duplex” is always displayed in “TCP/IP Module Current Status” box even if a LAN interface read out is not connected. This is because information on a virtual machine’s NIC is displayed when SV9500 Prepackaged Server Model is used. (The displayed status does not represent the actual status of the physical NIC.)

3. When you initialize TCP/IP the system operates under the following conditions: **Note 1**

- TCP connections of LAN1 and LAN2 are disconnected when you initialize TCP/IP on ACT-side CPU.
- Changing an IP address and/or the subnet mask initializes the SIP-controlling part in a corresponding system-side (see the table below) of the Telephony Server:

The other IP equipment does not restart. But the system stops processing call signals temporarily in which you cannot receive new calls; the system maintains on-going calls. See Registration Destination of IP Devices/Stations to check which pieces of IP equipment apply to this condition.

Operation		Initialize SIP-Controlling Part?		
Content	Target or Detail		System-0	System-1
Restart on TCP/IP Module Control of Options tab	System-0		No	
	System-1		No	
Change IP address/subnet mask on IP Address tab	LAN1	IP Address (ACT)	Yes	Yes
		IP Address (System-0)	Yes	No
		IP Address (System-1)	No	Yes
		Subnet Mask	No	No
	LAN2	IP Address (ACT)	No	No
		IP Address (System-0)	No	No
		IP Address (System-1)	No	No
		Subnet Mask	No	No
Change LAN Interface to be used of REG on Configure Application Port of Options tab Note 2	LAN1 to LAN2		Yes	
	LAN2 to LAN1		Yes	

4. As for SV9500 Prepackaged Server Model, Certify Status becomes “Certify NG” when the IP address (IPv4) of LAN1 (ACT) is modified. In this case, obtain a new Activation Code again from LMS for license authentication after the IP address (IPv4) of LAN1 (ACT) is modified. Otherwise, PCPro connection is restricted. For more details, see maintenance command section of Chapter 2 of Software Model Peripheral Equipment Description.

Note 1: Refers to TCP/IP initialization occurred when you initialize TCP/IP module after changing an IP address or the subnet mask; or executing Restart on TCP/IP Module Control of the Options tab.

Note 2: After changing a LAN Interface, execute Restart on TCP/IP Module Control of the Options tab.

5. If the port number of REG (**Note 1**) is changed manually when the Geographic Redundancy is enabled, initialize the system by using the SINZ command.
In this case, assign the port numbers with the same number of the changed LAN port of REG to the all nodes (Primary node, GR node, SR node) in the system.

Note 1: This parameter is in the Configure Application Port on the Common List in the Options tab.

3. Data Entry Instructions

For IMG/MMG System (Other than UMGi/RNIP System)

MGC No. [0 to 255]

Input MGC Number to assign/modify. (Default: Self MGC Number)

Note: This parameter's conditions are as follows:

- If the PCPro is connected with Primary Node, the settings are changeable only when the specified MGC No. by this parameter is Self MGC or another MGC (except SR-MGC).
If the PCPro is connected with Geo Redundant Node or Survivable Remote Node, the settings are changeable only when the specified MGC No. by this parameter is Self MGC.
- This parameter is displayed only when Geographic Redundancy is enabled.
- Do not input an MGC number used for SR-MGC.

Select LAN Interface

Select the LAN port to assign/modify.

- LAN1
- LAN2

Output data

MGC Information: Present MGC information on self MGC, a node in operating mode and Primary Node are displayed. **Note 1**

Self MGC No.: MGC number of the node that PCPro logs in to

Self MGC Kind: MGC kind of the node that PCPro logs in to

Self LP No.: LP number of the node that PCPro logs in to

Operating MGC No.: MGC number of a node in operating mode

MGC No. Primary Node: MGC number of Primary Node

MGC Kind: MGC kind of specified by “MGC No.” is displayed after the Get button clicked. **Note 1**

- Primary Node
- Geo Redundant Node
- Survivable Remote Node

Note 1: The data are displayed only when Geographic Redundancy is enabled.

Note: The Delete Collectively button is not displayed when Geographic Redundancy is disabled.

TCP/IP Module Current Status

<IP Address Tab>

Note: The conditions on this tab are as follows:

- After you have changed the network information (IP Address, Subnet Mask, IP Address of Default Gateway), execute the Office Data Backup by the MEM_HDD/MEM_HDD_N command.
- If the IP Address or Subnet Mask for LAN1 is modified, “System Initialize” in the TYPE tab of SINZ command is required.
- If LAN1 is selected, do not enter “0.0.0.0” for the IP Address (ACT). When “0.0.0.0” is entered for IP Address (ACT) and the Add IP Address (ACT) check box is cleared, the applicable LAN1 port will be disconnected.
- When there is a change in the data of LAN1 or LAN2 IP Address/Subnet mask, the ports are reset and the TCP connections for applications as PCPro are disconnected.

IP Address (ACT)

Enter the IP address of active side (TCP/IP module).

Note: The conditions are as follows:

- Physical IP Address (ACT) of LAN1/LAN2 in case of a single configuration system.
- Virtual IP Address (ACT) of LAN1/LAN2 in case of a dual configuration system.
- “172.16.253.0” is assigned as a default IP Address for LAN2. The default IP Address will be set if “0.0.0.0” is entered.

- What IP Address (ACT) means are different between a single configuration and a dual configuration:

[In a dual configuration]

IP address (ACT) represents a virtual IP address which can access both CPUs via specific LAN interface-side: #0 LAN1 and #1 LAN1 or #0 LAN2 and #1 LAN2. This is designed to enable IP equipment with the ACT address data as its destination address to communicate no matter which CPU is running.

[In single configuration]

IP address (ACT) represents just an IP address of a LAN interface.

Add IP Address (ACT)

Click this check box to add another LAN1 IP address (ACT). This parameter is used only when SIP Handler is provided. Setting this parameter is not necessary when SIP Handler is not provided.

Note: This check box cannot be selected when the IP Address (ACT) is not set.

IP Address2 (ACT)

Enter the second Virtual IP address of active side.

Note: To enter this IP Address:

- Select LAN1 for the Select LAN Interface parameter.
- Click the Add IP Address (ACT) check box.

Note: If you change the settings of Internal SIP Handler's LAN port, Application port or IP address2 (ACT) while the Internal SIP Handler is in operation, use the ADPM command to initialize the handler after initialization of TCP/IP Module is completed.

IP Address (System-0)

Enter the Physical IP address of System-0 side. **Note 2, Note 3**

IP Address (System-1)

Enter the Physical IP address of System-1 side. **Note 2, Note 4**

Note 2: IP Address can only be assigned in dual configuration. This parameter cannot be specified for SV9500 Prepackaged Server Model because SV9500 Prepackaged Server Model does not run in a dual CPU configuration.

Note 3: 172.16.253.2" is assigned as a default IP Address for LAN2. The default IP Address will be set if "0.0.0.0" is entered.

Note 4: 172.16.253.1" is assigned as a default IP Address for LAN2. The default IP Address will be set if "0.0.0.0" is entered.

Subnet Mask

Enter the LAN1/LAN2 Subnet Mask of IP address.

Note: When each IP Address or Subnet Mask is modified for both LAN1 and LAN2, the ports of LAN1 and LAN2 for ACT-side and STBY-side will be reset. The applications such as PCPro which are connected to the Telephony Server via TCP will be disconnected.

<Routing Tab>

Use Default Gateway

Determine whether to use the Default Gateway. Click the check box only when using the Default Gateway.

Note: Routing must be assigned for each port of LAN1 and LAN2 individually.

IP Address (Default Gateway)

Enter the IP address of Default Gateway (router) when the check box is clicked for using the Default Gateway.

Static Routing

Click the button to open the window for assigning static routing information. Up to four destinations can be specified.

Destination IP Address

Enter the IP address of destination host to which the packet is delivered.

Destination Subnet Mask

Enter the Subnet Mask of destination network.

Router IP Address

Enter the IP address of router to which the packet is handed.

Hops [1-16]

Specify the number of routers between Node and the destination (target) host, within the range of 1-16.

<IP Address (v6) Tab>

Note: Note the following conditions when you set IPv6 addresses.

- IPv6 addresses can only be set for LAN1.
- Do not delete the setting of IPv4 addresses, because it is required.
- The recommended format to enter IPv6 addresses is RFC 5952. RFC 4291 is also available.
- IPv6 addresses are read and represented in the RFC 5952 format.

Use IPv6

Determine whether to use IPv6 addresses. Select the check box when using IPv6 addresses.

Prefix Length

Enter the Prefix Length of IPv6 addresses.

IP Address (ACT)

Enter the IPv6 address of active side TCP/IP module.

IP Address (System-0)

Enter the IPv6 address of System-0 side TCP/IP module. **Note 5**

IP Address (System-1)

Enter the IPv6 address of System-1 side TCP/IP module. **Note 5**

Note 5: These IPv6 Addresses can only be assigned in dual configuration. However, this parameter cannot be specified for SV9500 Prepackaged Server Model because SV9500 Prepackaged Server Model does not run in a dual CPU configuration.

<Routing (v6) Tab>

Note: This setting is only available for LAN1.

Use Default Gateway

Determine whether to use the Default Gateway. Click the check box when using the Default Gateway.

IP Address (Default Gateway)

Enter the IPv6 address of Default Gateway when the check box is selected for using the Default Gateway.

Note: Static Routing is not available for IPv6 connections.

Note: RFC 5952 is the recommended format to enter IPv6 addresses (RFC 4291 is also available). IPv6 addresses are read and represented in the RFC 5952 format, even if you entered them in the RFC 4291 format.

<NIC Tab>**Speed: Transmission speed**

Select the transmission speed from the radio button.

- Fixed 10Mbps
- Fixed 100Mbps
- Auto Negotiation(1Gbps Only)
- Auto Negotiation(10Mbps-1Gbps) [default]

Note: The conditions are as follows:

- If switching HUB connected to the node has 100Mbps or less of its maximum transmission speed, Fixed 10Mbps or Fixed 100Mbps is normally selected according to the switching HUB's setting.
- Auto negotiation may not operate correctly if the matching between the LAN device and the Node is poor. If the LAN segment is cascaded via two or more HUBs, auto negotiation may not end correctly.
- For SV9500 Prepackaged Server Model, select Auto Negotiation(10Mbps-1Gbps).

Duplex Mode: Half Duplex/Full Duplex

Select either, Half Duplex mode or Full Duplex mode, when Fixed 10Mbps or Fixed 100Mbps is selected in transmission speed. If Auto Negotiation(1Gbps Only) is selected, only the Full Duplex mode can be selected. If Auto Negotiation(10Mbps-1Gbps) is selected, Duplex mode cannot be specified.

Note: Data speed and duplex mode on the NIC must conform to the port setting of the device such as a switching HUB where LAN cable is connected from the NIC. If not, effective communications may not be established.

ARP Broadcasting Period:

Select ARP Broadcasting Period from the following:

- Not Send
- 30 sec
- 60 sec
- 120 sec

<Options Tab>

Note: Modification of parameter values on this tab is possible only when the value is read out by specifying the self MGC through PCPro.

All data on this tab is the same between Primary Node, Geo Redundant Node and Survivable Remote Node because the data of Geo Redundant Node and Survivable Remote Node are copied from Primary Node by Office Data Copy & Load on the CMNT command.

Select the required function from the list, and click the EXECUTE button to display the sub window for operating the selected function. The functions displayed in "A list of Functions" will vary according to which LAN is selected in the "Select LAN Interface".

LAN Interface	Function
LAN1	Retrieve Information
	Ping Test
	Activation setting of Internal server
	Maintenance User Account Settings

LAN Interface	Function
LAN2	Retrieve Information
	Configure SNMP
	Ping Test
	Fault Message Output via E-mail
	Fault Message output filter
	DNS Setting
	Activation setting of Internal server
Common	TCP/IP Module Control
	Configure Application Port
	Registration Service
	Default URL Setting
	DtermIP Firmware Update Information
	DtermIP MAC Address Registration Password
	Delete Associate Password

Retrieve Information

Select the required item, Mac Address Read or Log Information Read in the combo box and click the EXECUTE button. The retrieved result is indicated in the text area. A “Save to disk” button is provided to save the indicated result to a text file.

MAC Address Read

ACT/STBY State and MAC Address is read out for System 0/1 respectively. As for SV9500 Prepackaged Server Model, a virtual MAC Address is read out.

Log Information Read (available for LAN1 only)

Log information is read out for System 0/1 respectively.

Ping Test

Use this function to execute ping test. The result of the ping test will be shown in the Result field.

System

Select the System-0 or System-1 to produce ICMP echo packet.

Note: For SV9500 Prepackaged Server Model, only the System-0 can be selected.

Destination IP Address

Enter the destination host's IP address.

Note: An IPv6 address cannot be assigned to the Destination IP Address.

Configure SNMP (available for LAN2 only)

Assign the SNMP data for each parameter.

■ SNMP Activation

Activate SNMP

Select whether to use SNMP.

- Yes
- No

Note: It is required to initialize the TCP/IP module when assigning or modifying SNMP setting.

■ System Group Information

System Description [maximum 128 characters]

System information can be entered by using a maximum of 128 characters. (Readout data is indicated when this sub window is opened.) Allowed characters are; alphabet (both upper and lower case), numbers (0-9), !, @, #, \$, %, &, *, (,), -, _ =, +, {, [,], }, |, \, :, ;, <, >, , (comma), . (period), ?, /.

Object ID [1-65535]

A maximum of 32 Object IDs can be entered. (Each ID is distinguished by a period) The range of one Object ID is 1-65535. Fixed to "1.3.6.1.4.1.119.2.3.76.2" in default setting.

■ System, SNMP Group Information

Contact Address

Specify the contact name (maximum 64 characters).

System Name

Enter the System Name (maximum 64 characters).

Location

Specify the physical location where the system is configured (maximum 63 characters).

Trap

Select whether the Trap Generation Flag is activated.

- Enable

- Disable

Note: If Enable is selected, System Messages will not be printed out on the Fault Printer and will be outputted as an SNMP Trap Message on the LAN.

■ Community Information

Community Name

Enter the name of the community where the Node belongs.

Note: This parameter can use only alphanumeric characters and underscore ("_").

IP Address of SNMP Manager

Enter the IP address of SNMP manager.

Note: You can disable the checking of IP address of SNMP manager, which is necessary for accessing the SNMP information, by specifying "1.1.1.1" as an IP address of the SNMP manager when you cannot use a specific IP address of SNMP manager due to network conditions, such as when using DHCP.

Mode

Select the mode, Read only or Writing allowed.

■ Trap Information

Trap Community Name

Enter the Trap Community Name (maximum 25 characters).

Note: This parameter can use only alphanumeric characters and underscore ("_").

IP Address of SNMP Manager

Enter the IP address of SNMP manager (destination where the Trap informed).

Note: The assignment for SNMP configuration turns effective after the system is restarted.

Agent Address

Enter the Agent Address of SNMP manager.

Activation Setting of Internal Server

Assign the activation status (ON/OFF) of the servers that are embedded in the system.

LAN Interface	Internal Server
LAN1	FTP Server
	SSH Server
	Telnet Server
	HTTP Server
Common	Associate Server
	Internal FLF Server
	Internal Claim Server
	Remote Login

Note: For IPv6 connections, the functions of only SSH Server and HTTP Server are available.

Fault Message Output via E-mail (available for LAN2 only)

■ Mail Address Information for Reply

E-mail Fault Message

Select whether to send fault message to mail server. (Enable/Disable)

IP Address of Mail Server

Enter the IP address of mail server.

Host Name of MGC

Enter the host name of MGC (maximum eight characters).

Mail Address for Reply

Enter the mail address to reply (maximum 64 characters).

Maximum Text Size [0-1024]

Specify the maximum size of sending data.

Time Difference from GMT

Select the difference from GMT in the combo box.

Authenticate SMTP

When using SMTP authentication, check the box and then enter the following:

User Name (maximum 15 characters)

Note: Alphanumeric characters (A-Z, a-z, 0-9), underscore (_) and hyphen (-)

Password (maximum 15 characters)

Note: Alphanumeric characters (A-Z, a-z, 0-9) and symbols

■ Destination Mail Addresses

Address 1/Address 2/Address 3

Enter the E-mail address where the fault message is sent (maximum 64 characters).

Fault Message output filter (available for LAN2 only)

Assign the output filter for system message if necessary.

E-mail output

- ALL
- SUP
- MINOR
- MAJOR

SNMP TRAP output

- ALL
- SUP
- MINOR
- MAJOR

Separate to OID

Click the check box to separate to OID.

EVLOG (DEBUG) Console output

- ALL
- SUP
- MINOR
- MAJOR

Maintenance User Account Settings (available for LAN1 only)

Assign the account for FTP/SSH/Telnet Server. Press ADD button to add an account, and EDIT button to modify the data.

Parameter	Overview	Range	Remarks
Login Name	Login user name for the maintenance user account	4 ~ 12 alphanumeric lower-case alphabetic characters, “-” or “_”	Only alphanumeric characters or “_” can be entered for the first character Note: Login Name which is already assigned cannot be entered.
Password	Password for the maintenance user account	4 ~ 12 alphanumeric characters, “-” or “_”	
Level	Level assignment of maintenance user	Low	Level Low is fixed
FTP	FTP access permission setting	check to allow	
SSH	SSH access permission setting	check to allow	
Telnet	Telnet access permission setting	check to allow	

Note: When you log in to the server by using FTP, Read/Write is available only under the login directory.

DNS Setting (available for LAN2 only)

When domain name is used for SNTP setting, assign the IP address of DNS server for name resolution.

IP Address

Enter the IP address of the DNS server.

Note: Up to three IP addresses can be assigned. IP address placed as the top item of the list is selected first.

TCP/IP Module Control

Active Side: System 0/1

Select either of the radio buttons, System 0 or 1, controlled.

Note: If the EXECUTE button is clicked after active side is designated, a confirmation dialog “MAT-to-System connection via LAN is disrupted when the ACT Side is designated.” appears. To not execute, click “Cancel”. For SV9500 Prepackaged Server Model, only the System-0 can be selected.

Current Status: Running (ACT)/Running (STBY)/Stop/Not mounted

The status of the TCP/IP module is shown respectively.

Menu: Restart/ Load Program and Restart

Select “Restart” in the combo box and click EXECUTE to initialize the system without loading the data.

Configure Application Port

Note: If you assign or modify application port configurations, perform the following: On TCP/IP Module Control of the Options tab, execute Restart selecting both System-sides respectively.

LAN Interface to be used

Assign LAN port to be used for each application. The applications to assign LAN Interface are as follows.

MAT (TCP): LAN2 (default) Note 6
SMDR (TCP): LAN2 (default)
MCI (TCP): LAN2 (default)
OAI (TCP): LAN2 (default)
MIS (TCP): LAN2 (default)
CS Report (TCP): LAN2 (default)
PMS (TCP): LAN2 (default)
MCC (TCP): LAN2 (default)
CCIS Cluster (TCP): LAN1 Note 7
FCCS Cluster (TCP): LAN2 (default) Note 8
Internal PHI-PRI (TCP): LAN2 (default)
Internal PHC: LAN2 (default)
 Client (TCP)
 Server (TCP)
Internal PHF (UDP): LAN1 (default) Note 8
REG (UDP): LAN1 (default) Note 8
Internal PHE (UDP): LAN1 (default) Note 8
Internal PHI-BRI (UDP): LAN1 (default) Note 8
SR-MGC/NMS: LAN1 (default) Note 8
 NMS (TCP)
 Health Check Receive MGC-SR-MGC (Server) (UDP)
 Health Check Send MGC-SR-MGC (Client) (UDP)
 SR-MGC Charge MGC Side (TCP)
 SR-MGC Charge SR-MGC Side (TCP)

The application which uses fixed LAN Interface are as follows.

DNS (UDP): LAN2
SNTP(UDP): LAN2
PBUS over IP: LAN2

The application which uses LAN Interface either LAN1 or LAN1(ACT2) are as follows.

Internal SIP Handler: LAN1 (ACT2) (default) Note 9
 SIP Signaling (UDP/TCP Server) Note 10

**DRS Registration (UDP)
Negotiation (UDP/TCP Server) **Note 10**
TLS (TCP Server) **Note 11****

Note: In dual configuration, the connection will be disconnected by a switchover of CPU when LAN1 is selected for the application of TCP connection. Take notice that the connection may be disconnected for Internal PHC or Internal PHI-PRI which communicates with Call Control.

Note 6: LAN Interface used for PCPro.

Note 7: LAN Interface is selectable for this parameter on ADTM but must always be fixed to LAN1.

Note 8: When migrating from existing IPX/SV7000/SV8500 to the SV9500, LAN1/LAN2 can be selected as LAN interface for IP Equipment/Terminals that use a proprietary protocol. For the detail, refer to LAN1/LAN2 Accommodation (Selectable for Migration) in Migration Manual.

Note 9: If you change the settings of Internal SIP Handler's LAN port, Application port or IP address2 (ACT) while the Internal SIP Handler is in operation, use the ADPM command to initialize the handler after initialization of TCP/IP Module is completed.

Note 10: TCP is available from FP95-114 V4.

Note 11: Available from FP95-114 V4.

Configure Application Port Number

Specify the Port Number used for each application within the range of 1024 to 65534. When "0" is set, the application is operated in default value.

MAT (TCP):60000 (default) **Note 12**

SMDR (TCP):60010 (default)

MCI (TCP):60020 (default)

OAI (TCP):60030 (default)

MIS (TCP):60040 (default)

CS Report (TCP):60080 (default) **Note 16**

PMS (TCP):60050 (default)

MCC (TCP):60190 (default) **Note 18**

CCIS Cluster (TCP): 60001 (default)

FCCS Cluster (TCP): 60210 (default) **Note 17**

Internal PHI-PRI (TCP): 64000 (default) **Note 14**

Internal PHC (Client) (TCP): 65030 (default)

Internal PHC (Server) (T-CP): 57000 (default)

Internal PHF (UDP): 60180 (default)

REG (UDP): 3456 (default) **Note 13**

Internal PHE (UDP): 60130 (default) **Note 15**

Internal PHI-BRI (UDP): 64000 (default) **Note 14**

NMS (TCP): 60060 (default)

Health Check Receive MGC-SR-MGC (Server) (UDP): 60110 (default) **Note 20**

Health Check Send MGC-SR-MGC (Client) (UDP): 60120 (default) **Note 21**

SR-MGC Charge MGC Side (TCP): 60140 (default) **Note 22**

SR-MGC Charge SR-MGC Side (TCP): 60150 (default) **Note 23**

DNS (UDP): 53 (default)

SNTP(UDP): 123 (default)

PBUS over IP (UDP): 60220 **Note 18**

Internal SIP Handler (SIP Signaling) (UDP/TCP Server): 55060 (LAN1) / 5060 (LAN1 (ACT2)), **Note 19, Note 24**

Internal SIP Handler (DRS Registration) (UDP): 60300 **Note 24, Note 25**

Internal SIP Handler (Negotiation) (UDP/TCP Server): 60301 **Note 24, Note 25**

Internal SIP Handler (TLS) (TCP Server): 55061 (LAN1)/5061 (LAN1 (ACT2)) **Note 24, Note 26**

Note 12: Port Number used for PCPro.

Note 13: When the Port Number of REG is modified, the same Port Number must be assigned for DrsPort in ASPC command (SPconfig.conf, StaticInfo.txt).

Note 14: Port Number settings for MC&MG-COT, MG-COT and MG(SIP) will be assigned in port setting of Internal PHI-PRI/BRI.

Note 15: When the Port Number of Internal PHE is modified, the same Port Number must be assigned for PHEPort in ASPC command (SPconfig.conf).

Note 16: The Port Number of CS Report assignment other than 60080 is restricted although modification is allowed

Note 17: The Port Number of FCCS Cluster can be modified in AFCMN command.

Note 18: The Port Number cannot be modified.

Note 19: When LAN1 is selected for LAN interface used for SIP Handler, setting IP Address (ACT) Port Number becomes available. When LAN1 (ACT2) is selected, setting IP Address2 (ACT) Port Number becomes available.

Note 20: When the Geographic Redundancy is enabled, this port means Receiving Side of Health Check Between MGCs.

Note 21: When the Geographic Redundancy is enabled, this port means Sending Side of Health Check Between MGCs.

Note 22: When the Geographic Redundancy is enabled, it needs to replace the word as follows for this port meaning:

- MGC => Primary Node/Geo Redundant Node
- SR-MGC => Survivable Remote Node/SR-MGC

Note 23: When the Geographic Redundancy is enabled, it needs to replace the word as follows for this port meaning:

- MGC => Primary Node/Geo Redundant Node
- SR-MGC => Survivable Remote Node/SR-MGC

Note 24: If you change the settings of Internal SIP Handler's LAN port, Application port or IP address2 (ACT) while the Internal SIP Handler is in operation, use the ADPM command to initialize the handler after initialization of TCP/IP Module is completed.

Note 25: TCP is available from FP95-114 V4.

Note 26: Available from FP95-114 V4.

Registration Service

MGC Search Address 1/MGC Search Address 2

Enter the IP address of MGC to establish registration feature among multiple nodes.

Note: Assign the same IP address (ACT) that has been assigned in the "REG" parameter of "Configure Application Port" under "Options" tab in the same node.

Consecutive Login Failure Threshold [0-15]

Node generates a system message if login failure occurs consecutively and the number of login failures reach this value.

Password Encryption

Select either of the algorithms for Password Encryption in the combo box.

- MD5 (Default)
- Proprietary Procedure

Default URL Setting

Specify the default URL in the edit box within 191 characters (except space and line feed).

DtermIP Firmware Update Information**Latest Firmware Version**

Enter the firmware version of the IP Enabled Dterm in the form “xx.xx (x=0-9)”.

Firmware File Name

Enter the file name of the IP Enabled Dterm firmware in the range of 1-16 characters (space is not available).

Login Name

Enter the login name of the FTP server in the range of 4-12 characters (space is not available).

Password

Enter the password to log in to the FTP server in the range of 4-12 characters (space is not available). “*****” is indicated in the entering field.

FTP Server

Specify the FTP server where the firmware will be downloaded. Select either of the radio buttons, ACT CPU, STBY CPU, or External Server (ACT CPU is selected in default setting).

Server Address

Enter the IP address of FTP server. This field is effective when “External Server” has been selected.

Directory

Enter the location (directory), on the External Server, where the firmware file is located within 64 characters (space is not available). This field is effective when “External Server” has been selected.

DtermIP MAC Address Registration Password

Assign the MAC registration password to the Node (the password for registering the MAC address of each DtermIP to Node).

Note: This feature will be disabled when FCCS Cluster feature (ASYDN, SYS1, Index 963, bit 1=1) is enabled. Use the MAC Authentication password (NDM) assigned by AFCMN command.

Password

Enter the MAC Address registration password (the password is used to register the MAC address from the terminals).

Confirmation Input

Enter the password again for confirmation.

Note: Only this tab has the function of deleting the assigned data. Click the APPLY button entering no characters in Password/Confirmation Input columns to delete the already assigned password (a confirmation message appears).

Delete Associate Password

Not used.

Only for UMGi/RNIP System

Note: UMGi/RNIP system does not support IPv6 addresses; therefore, the following tabs used for IPv6 address data assignment are not displayed.

- IP Address (v6) Tab
- Routing (v6) Tab

CCN/LP

When the system is a UMGi/RNIP System, select a node to assign/modify.

- CCN
- LP

Note: The conditions on this parameter are as follows:

- This parameter is not displayed in the Geographic-Redundancy-enabled UMGi system.
- If logged in to CCN, the system selects by default CCN. If logged in to RN, the system selects by default LP.

LP No [0, 4, 8, 12, 16, 20, 24, 28]

When the system is a UMGi/RNIP System, select an LP number to assign/modify when “LP” is chosen for “CCN/LP”.

Note: The conditions on this parameter are as follows:

- This parameter is not displayed in the Geographic-Redundancy-enabled UMGi system.
- The default value when logged in to CCN is 0
- If logged in to RN, only the LP of the RN can be selected.

MGC No. [0 to 255]

Input MGC Number to assign/modify. (Default: Self MGC Number)

Note: The conditions on this parameter are as follows:

- The parameter is displayed only when Geographic Redundancy is enabled.
- If the PCPro is connected with Primary Node (CCN), the settings are changeable only when the specified MGC No. by this parameter is Self MGC or another MGC (except SR-MGC).
- If the PCPro is connected with Geo Redundant Node (CCN), the settings are changeable only when the specified MGC No. by this parameter is Self MGC or another MGC (except SR-MGC) depending on the system data setting (ASYDL, SYS1, Index1354, Bit1 (Office Data management restrictions in a network with Geographic Redundancy)).
- If the PCPro is connected with Primary Node (RN)/Geo Redundant Node (RN), the settings are changeable only when the specified MGC No. by this parameter is Self MGC.
- Do not input an MGC number used for SR-MGC.

Select LAN Interface

Select the LAN port to assign/modify.

- LAN1
- LAN2

Output data

MGC Information: Present MGC information on self MGC, a node in operating mode and Primary Node are displayed. **Note 27**

Self MGC No.: MGC number of the node that PCPro logs in to

Self MGC Kind: MGC kind of the node that PCPro logs in to

Self LP No.: LP number of the node that PCPro logs in to

Operating MGC No.: MGC number of a node in operating mode **Note 28**

MGC No. Primary Node: MGC number of Primary Node **Note 28**

MGC Kind: MGC kind of specified by “MGC No.” is displayed after the Get button clicked. **Note 27**

- Primary Node (CCN)
- Primary Node (RN)
- Geo Redundant Node (CCN)
- Geo Redundant Node (RN)
- Survivable Remote Node

Note 27: The data are displayed only when Geographic Redundancy is enabled.

Note 28: The following MGC numbers are to be displayed:

Self MGC	Node Whose MGC Number to be Displayed	
	Operating MGC No.	MGC No. Primary Node
Primary Node (CCN)	CCN which is in operating mode (Primary Node (CCN) or Geo Redundant Node (CCN))	Primary Node (CCN)
Geo Redundant Node (CCN)		
Primary Node (RN)	RN which is in operating mode within the same PBI number (Primary Node (RN) or Geo Redundant Node (RN) within the same PBI number)	Primary Node (RN)
Geo Redundant Node (RN)		
Survivable Remote Node	CCN which is in operating mode (Primary Node (CCN) or Geo Redundant Node (CCN))	Primary Node (CCN)

Note: The Delete Collectively button is not displayed when Geographic Redundancy is disabled.

TCP/IP Module Current Status

<IP Address Tab>

The displayed parameters vary depending on the node you selected in the CCN/LP parameter used for the UMGi/RNIP system or the MGC No. parameter used for the Geographic-Redundancy-enabled UMGi system.

Note: The conditions on this tab are as follows:

- After you have changed the network information (IP Address, Subnet Mask, IP Address of Default Gateway), execute the Office Data Backup by the MEM_HDD/MEM_HDD_N command.
- When you change an IP address or subnet mask used for the UMGi/RNIP System, refer to the Change IP Address section in the following manuals:
For UMGi system:
refer to “UMGi Configuration and Maintenance Guide for the UMGi system”
For RNIP system:
refer to “Configuration and Maintenance Guide for Remote Node over IP”
- If LAN1 is selected, do not enter “0.0.0.0” for the IP Address (ACT). When “0.0.0.0” is entered for IP Address (ACT) and the Add IP Address (ACT) check box is cleared, the applicable LAN1 port will be disconnected.
- If the IP Address or Subnet Mask for LAN1 is modified, “System Initialize” in the TYPE tab of SINZ command is required.
- When you select CCN with PCPro logged in to the CCN, changing data activates initialization of CCN ports. The applications which are connected to the CCN via TCP, such as PCPro, will be disconnected.
- When you select the LP of an RN with PCPro logged in to the CCN, changing data activates initialization of the RN ports. The applications which are connected to the RN via TCP, such as PCPro, will be disconnected.

IP Address (ACT)

Enter the IP address of active side (TCP/IP module).

Note: The conditions are as follows:

- “172.16.253.0” is assigned as a default IP Address for LAN2. The default IP Address will be set if “0.0.0.0” is entered.
- What IP Address (ACT) means are different between a single configuration and a dual configuration in the UMGi/RNIP system:

[In a dual configuration]

IP address (ACT) represents a virtual IP address which can access both CPUs via specific LAN interface-side: #0 LAN1 and #1 LAN1 or #0 LAN2 and #1 LAN2. This is designed to enable IP equipment with the ACT address data as its destination address to communicate to the CCN/RN no matter which CPU is running.

[In single configuration]

IP address (ACT) represents just an IP address of a CCN's/RN's LAN interface.

Add IP Address (ACT)

Click this check box to add another LAN1 IP address (ACT). This parameter is used only when SIP Handler is provided. Setting this parameter is not necessary when SIP Handler is not provided. SIP Handler Controlled SIP terminals are supported by the UMGi/RNIP system from FP95-112 V2.

Note: This check box cannot be selected when the IP Address (ACT) is not set.

IP Address2 (ACT)

Enter the second Virtual IP address of active side. SIP Handler Controlled SIP terminals are supported by the UMGi/RNIP system from FP95-112 V2.

Note: To enter this IP Address:

- The IP Address2 (ACT) data assignment is available only from PCPro in the CCN side. PCPro in the RN side only displays the IP Address2 (ACT) assigned from PCPro in the CCN side. You cannot assign the IP Address2 (ACT) from PCPro in the RN side.
- Select LAN1 for the Select LAN Interface parameter.
- Click the Add IP Address (ACT) check box.

Note: If you change the settings of Internal SIP Handler's LAN port, Application port or IP address2 (ACT) while the Internal SIP Handler is in operation, use the ADPM command to initialize the handler after initialization of TCP/IP Module is completed.

IP Address (System-0)

Enter the Physical IP address of System-0 side. **Note 29, Note 30**

IP Address (System-1)

Enter the Physical IP address of System-1 side. **Note 29, Note 31**

Note 29: IP Address for System-0 and System-1 can only be assigned when the CCN (SV9500 Appliance Model) or the RN is in dual configuration.

Note 30: "172.16.253.2" is assigned as a default IP Address for LAN2. The default IP Address will be set if "0.0.0.0" is entered. However, this parameter cannot be specified for SV9500 Prepackaged Server Model because SV9500 Prepackaged Server Model does not run in a dual CPU configuration.

Note 31: "172.16.253.1" is assigned as a default IP Address for LAN2. The default IP Address will be set if "0.0.0.0" is entered. However, this parameter cannot be specified for SV9500 Prepackaged Server Model because SV9500 Prepackaged Server Model does not run in a dual CPU configuration.

Subnet Mask

Enter the LAN1/LAN2 Subnet Mask of IP address.

Note: The conditions are as follows:

- When each IP Address or Subnet Mask is modified for both LAN1 and LAN2, the ports of LAN1 and LAN2 for ACT-side and STBY-side will be reset. The applications such as PCPro which are connected to the Telephony Server via TCP will be disconnected.
- In the case of a RNIP system when CCN is selected, changing data of items in the IP Address tab activates initialization of each port. The applications which are connected to the CCN via TCP, such as PCPro, will be disconnected.
- In the case of a UMGi system when RN's LP is selected, changing data of items in the IP Address tab activates initialization of each port. The applications which are connected to the RN via TCP, such as PCPro, will be disconnected.

<Routing Tab>

Note: The operation varies depending on the UMGi/RNIP operation mode:

- During normal mode, the PCPro logging in to a CCN provides the routing setting on the CCN and RN's while the PCPro logging in to a RN does not.
- During survival mode, the PCPro logging in to a CCN provides the routing setting of the CCN and RNs. In this case, as for the RN's setting, your modification applies only to the office data, but not to the node itself (the modification is implemented when the RN changes to normal mode). The PCPro logging in to a RN in survival mode only provides the setting of the RN (however, when changing to normal mode, if ASYDL Sys 1 Index 1225 bit 0 is set to 1, the CCN data for the RN will overwrite such setting).

Use Default Gateway

Determine whether to use the Default Gateway. Click the check box only when using the Default Gateway.

Note: Routing must be assigned for each port of LAN1 and LAN2 individually.

IP Address (Default Gateway)

Enter the IP address of Default Gateway (router) when the check box is clicked for using the Default Gateway.

Static Routing

Click the button to open the window for assigning static routing information. Up to four destinations can be specified.

Destination IP Address

Enter the IP address of destination host to which the packet is delivered.

Destination Subnet Mask

Enter the Subnet Mask of destination network.

Router IP Address

Enter the IP address of router to which the packet is handed.

Hops [1-16]

Specify the number of routers between Node and the destination (target) host, within the range of 1-16.

<NIC Tab>

Note: In the UMGi/RNIP system, the operation varies depending on the UMGi/RNIP operation mode:

- During normal mode, the PCPro logging in to a CCN provides the NIC setting of the CCN and RNs; the PCPro logging in to a RN does not.
- During survival mode, the PCPro logging in to a CCN provides the NIC setting of the CCN and RNs. In this case, as for the RN's setting, your modification applies only to the office data, but not to the node itself (the modification is implemented when the RN changes to normal mode). The PCPro logging in to a RN in survival mode only provides the setting of the RN (however, when changing to normal mode, if ASYDL Sys 1 Index 1225 bit 0 is set to 1, the CCN data for the RN will overwrite such setting).

Speed: Transmission speed

Select the transmission speed from the radio button.

- Fixed 10Mbps
- Fixed 100Mbps
- Auto Negotiation(1Gbps Only) **Note 32**
- Auto Negotiation(10Mbps-1Gbps) [default] **Note 32**

Note: The conditions are as follows:

- For a CCN (SV9500 Appliance Model), if switching HUB connected to the node has 100Mbps or less of its maximum transmission speed, Fixed 100Mbps is normally selected.
- Auto negotiation may not operate correctly if the matching between the LAN device and the Node is poor. If the LAN segment is cascaded via two or more HUBs, auto negotiation may not end correctly.
- For SV9500 Prepackaged Server Model, select Auto Negotiation(10Mbps-1Gbps).

Note 32: Auto Negotiation(1Gbps Only) is available only for the CCN. An RN can use only either Fixed 100Mbps or Fixed 10Mbps if Appliance Model Server but also Auto Negotiation(10Mbps-1Gbps) if Prepackaged Server Model.

Duplex Mode: Half Duplex/Full Duplex

Select either, Half Duplex mode or Full Duplex mode, when Fixed 10Mbps or Fixed 100Mbps is selected in transmission speed. If Auto Negotiation(1Gbps Only) is selected, only the Full Duplex mode can be selected. If Auto Negotiation(10Mbps-1Gbps) is selected, Duplex mode cannot be specified.

Note: Data speed and duplex mode on the NIC must conform to the port setting of the device such as a switching HUB where LAN cable is connected from the NIC. If not, effective communications may not be established.

ARP Broadcasting Period:

Select ARP Broadcasting Period from the following:

- Not Send
- 30 sec
- 60 sec
- 120 sec

Note: This is available only for a CCN until FP95-111 V1. From FP95-112 V2, available for a CCN and a RN.

<Options Tab>

Note: When logging in to CCN, modification of parameter values on this tab is possible for selected RNs in normal mode. When logging in to RN modification of parameter values on this tab is possible only for the RN.

All data on this tab is the same between Primary Node, Geo Redundant Node and Survivable Remote Node because the data of Geo Redundant Node and Survivable Remote Node are copied from Primary Node by Office Data Copy & Load in the CMNT command.

Select the required function from the list, and click the EXECUTE button to display the sub window for operating the selected function. The functions displayed in “A list of Functions” will vary according to which node (and which LAN for a CCN) is selected in the “CCN/LP” for the UMGi/RNIP system, “MGC No.” for the Geographic-Redundancy-enabled UMGi system and “Select LAN Interface”.

CCN		RN	Function
LAN1	LAN2		
X	X	X	Retrieve Information
X	-	-	Maintenance User Account Settings
-	X	X Note 33	Configure SNMP
-	X	-	Fault Message Output via E-mail
-	X	-	Fault Message output filter
-	X	-	DNS Setting
X	X	X	Ping Test
X	X		Activation setting of Internal server
CCN		RN	Function
Common			
X		X	TCP/IP Module Control
X		-	Configure Application Port
X		-	Registration Service
X		-	Default URL Setting
X		-	DtermIP Firmware Update Information
X		-	DtermIP MAC Address Registration Password

CCN		RN	Function
LAN1	LAN2		
X		-	Delete Associate Password

LAN1: Configurable when specifying LAN1 in the LAN Interface box.
 LAN2: Configurable when specifying LAN2 in the LAN Interface box.
 Common: Common setting.
 X: Configurable.
 -: Not configurable.

Note 33: Configurable when specifying LAN2 in the LAN Interface box.

Retrieve Information

Select the required item, Mac Address Read or Log Information Read in the combo box and click the EXECUTE button. The retrieved result is indicated in the text area. A “Save to disk” button is provided to save the indicated result to a text file.

- Note:** The operation varies depending on the UMGi/RNIP operation mode:
- During normal mode, the PCPro logging in to a CCN (LAN1 only) provides the information to the CCN and RNs; the PCPro logging in to an RN displays an error message.
 - During survival mode, the PCPro logging in to a CCN (LAN1 only) provides setting and performing the following items to the CCN only; the one logging in to an RN displays an error message.

MAC Address Read

ACT/STBY State and MAC Address is read out for System 0/1 respectively. As for SV9500 Prepackaged Server Model, a virtual MAC Address is read out.

Log Information Read (available for LAN1 only)

Log information is read out for System 0/1 respectively.

Note: This item is available for LAN1 of a CCN and a RN.

Ping Test

Use this function to execute ping test. The result of the ping test will be shown in the Result field.

System

Select the System-0 or System-1 to produce ICMP echo packet.

Destination IP Address

Enter the destination host's IP address.

Note: For SV9500 Prepackaged Server Model, only the System-0 can be selected.

- Note:** The operation varies depending on the UMGi/RNIP operation mode:
- During normal mode, the PCPro logging in to a CCN provides a ping test to the CCN and RNs; the PCPro logging in to a RN provides it to the RN only.
 - During survival mode, the PCPro logging in to a CCN provides a ping test to the CCN only; the one logging in to a RN provides it to the RN only.

Configure SNMP (available for LAN2 only)

Assign the SNMP data for each parameter.

- Note:** The operation varies depending on the UMGi/RNIP operation mode:
- During normal mode, the PCPro logging in to a CCN (LAN2 only) provides configuration to the CCN and RNs; the PCPro logging in to a RN the one logging in to an RN displays an error message.
 - During survival mode, the PCPro logging in to a CCN (LAN2 only) provides the configuration to the CCN and RNs. As for the RN's setting, your modification applies only to the office data, but not to the node itself, the modification is implemented when the RN changes to normal mode. The RN logging in to an RN displays an error message.

Note: A CCN supports standard MIB and extended MIB; a RN supports standard MIB and part of extended MIB, that is, alarm information.

■ SNMP Activation

Activate SNMP

Select whether to use SNMP.

- Yes
- No

Note: It is required to initialize the TCP/IP module when assigning or modifying SNMP setting.

■ System Group Information

System Description [maximum 128 characters]

System information can be entered by using a maximum of 128 characters. (Readout data is indicated when this sub window is opened.) Allowed characters are; alphabet (both upper and lower case), numbers (0-9), !, @, #, \$, %, &, *, (,), -, _ =, +, {, [,], }, |, \, :, ;, <, >, , (comma), . (period), ?, /.

Object ID [1-65535]

A maximum of 32 Object IDs can be entered. (Each ID is distinguished by a period) The range of one Object ID is 1-65535. Fixed to "1.3.6.1.4.1.119.2.3.76.2" in default setting.

■ System, SNMP Group Information

Contact Address

Specify the contact name (maximum 64 characters).

System Name

Enter the System Name (maximum 64 characters).

Location

Specify the physical location where the system is configured (maximum 63 characters).

Trap

Select whether the Trap Generation Flag is activated.

- Enable
- Disable

Note: If Enable is selected, System Messages will not be printed out on the Fault Printer and will be outputted as an SNMP Trap Message on the LAN.

■ Community Information**Community Name**

Enter the name of the community where the Node belongs.

Note: This parameter can use only alphanumeric characters and underscore ("_").

IP Address of SNMP Manager

Enter the IP address of SNMP manager.

Note: You can disable the checking of IP address of SNMP manager, which is necessary for accessing the SNMP information, by specifying "1.1.1.1" as an IP address of the SNMP manager when you cannot use a specific IP address of SNMP manager due to network conditions, such as when using DHCP.

Mode

Select the mode, Read only or Writing allowed.

■ Trap Information**Trap Community Name**

Enter the Trap Community Name (maximum 25 characters).

Note: This parameter can use only alphanumeric characters and underscore ("_").

IP Address of SNMP Manager

Enter the IP address of SNMP manager (destination where the Trap informed).

Note: The assignment for SNMP configuration turns effective after the system is restarted.

Agent Address

Enter the Agent Address of SNMP manager.

Activation Setting of Internal Server

Note: The PCPro logging in to a CCN (and only when selecting CCN) provides setting the following items; the PCPro logging in to a RN does not. You can apply the data set in a CCN to a RN by synchronizing the office data with the CPDM command or etc.

Assign the activation status (ON/OFF) of the servers that are embedded in the system.

LAN Interface	Internal Server
LAN1	FTP Server
	SSH Server
	Telnet Server
	HTTP Server
Common	Associate Server
	Internal FLF Server
	Internal Claim Server
	Remote Login

Fault Message Output via E-mail (available for LAN2 only)

Note: The PCPro logging in to a CCN (and only when selecting CCN's LAN2) provides setting the following items; the PCPro logging in to a RN does not.

■ Mail Address Information for Reply

E-mail Fault Message

Select whether to send fault message to mail server. (Enable/Disable)

IP Address of Mail Server

Enter the IP address of mail server.

Host Name of MGC

Enter the host name of MGC (maximum eight characters).

Mail Address for Reply

Enter the mail address to reply (maximum 64 characters).

Maximum Text Size [0-1024]

Specify the maximum size of sending data.

Time Difference from GMT

Select the difference from GMT in the combo box.

Authenticate SMTP

When using SMTP authentication, check the box and then enter the following:

User Name (maximum 15 characters)

Note: Alphanumeric characters (A-Z, a-z, 0-9), underscore (_) and hyphen (-)

Password (maximum 15 characters)

Note: Alphanumeric characters (A-Z, a-z, 0-9) and symbols

■ Destination Mail Addresses

Address 1/Address 2/Address 3

Enter the E-mail address where the fault message is sent (maximum 64 characters).

Fault Message output filter (available for LAN2 only)

Note: The PCPro logging-in to a CCN (and only when selecting CCN's LAN2) provides setting the following items; the PCPro logging-in to a RN does not. You can apply the data set in a CCN to a RN by synchronizing the office data with the CPDM command or etc.

Assign the output filter for system message if necessary.

E-mail output

- ALL
- SUP
- MINOR
- MAJOR

SNMP TRAP output

- ALL
- SUP
- MINOR
- MAJOR

Separate to OID

Click the check box to separate to OID.

EVLOG (DEBUG) Console output

- ALL
- SUP
- MINOR
- MAJOR

Maintenance User Account Settings (available for LAN1 only)

Note: The PCPro logging-in to a CCN (and only when selecting CCN's LAN1) provides setting the following items; the PCPro logging-in to a RN does not.

Note: The settings apply only to a CCN.

Assign the account for FTP/SSH/Telnet Server. Press ADD button to add an account, and EDIT button to modify the data.

Parameter	Overview	Range	Remarks
Login Name	Login user name for the maintenance user account	4 ~ 12 alphanumeric lower-case alphabetic characters, “-” or “_”	Only alphanumeric characters or “_” can be entered for the first character Note: Login Name which is already assigned cannot be entered.
Password	Password for the maintenance user account	4 ~ 12 alphanumeric characters, “-” or “_”	
Level	Level assignment of maintenance user	Low	Level Low is fixed
FTP	FTP access permission setting	check to allow	
SSH	SSH access permission setting	check to allow	
Telnet	Telnet access permission setting	check to allow	

Note: When you log in to the server by using FTP, Read/Write is available only under the login directory.

DNS Setting (available for LAN2 only)

Note: The PCPro logging in to a CCN (and only when selecting CCN's LAN2) provides setting the following item; the PCPro logging in to a RN does not.

When domain name is used for SNTP setting, assign the IP address of DNS server for name resolution.

IP Address

Enter the IP address of the DNS server.

Note: Up to three IP addresses can be assigned. IP address placed as the top item of the list is selected first.

TCP/IP Module Control

Note: The operation varies depending on the UMGi/RNIP operation mode:

- During normal mode, the PCPro logging in to a CCN provides setting to the CCN and RNs; the PCPro logging in to a RN provides the setting to the RN only.

- During survival mode, the PCPro logging in to a CCN provides setting and performing the following items to the CCN only; the one logging in to a RN provides doing them to the RN only.

Active Side: System 0/1

Select either of the radio buttons, System 0 or 1, controlled.

Note: If the EXECUTE button is clicked after active side is designated, a confirmation dialog “MAT-to-System connection via LAN is disrupted when the ACT Side is designated.” appears. To not execute, click “Cancel”. For SV9500 Prepackaged Server Model, only the System-0 can be selected.

Current Status: Running (ACT)/Running (STBY)/Stop/Not mounted

The status of the TCP/IP module is shown respectively.

Menu: Restart/ Load Program and Restart

Select “Restart” in the combo box and click EXECUTE to initialize the system without loading the data.

Configure Application Port

Note: The PCPro logging in to a CCN (and only when selecting CCN) provides setting the following items; the PCPro logging in to a RN does not. You can apply the data set in a CCN to a RN by performing the following in order: synchronize the office data with the CPDM command or etc.; initialize the TCP/IP module.

Note: If you modify application port configurations, perform the following: On TCP/IP Module Control of the Options tab, execute Restart selecting both System-sides respectively. A restart after modifying an application port for REG, Internal PHE, Internal PHI-BRI or SR-MGC/ NMS involves initialization of the SIP-controlling part.

Assign LAN port and port number (1024-65534) used for each application. If you want to set a changed port number back to default, just enter 0.

Application	Layer 4 Protocol	Default LAN Interface to be used Note 34	Default Port Number
MAT Note 35	TCP	LAN2	60000
SMDR	TCP	LAN2	60010
MCI	TCP	LAN2	60020
OAI	TCP	LAN2	60030
MIS	TCP	LAN2	60040
CS Report	TCP	LAN2	60080 Note 41
PMS	TCP	LAN2	60050
MCC	TCP	LAN2	60190 (fixed)
CCIS Cluster	TCP	LAN1 Note 36	60001
FCCS Cluster (Not used in the UMGi/RNIP system)	TCP	LAN2	60210

Application	Layer 4 Protocol	Default LAN Interface to be used Note 34	Default Port Number
Internal PHI-PRI	TCP	LAN2	64000 Note 39
Internal PHC	-	LAN2	-
Client	TCP		65030
Server	TCP		57000
Internal PHF Note 42	UDP	LAN1	60180
REG Note 42	TCP	LAN1 Note 37	3456 Note 38
Internal PHE Note 42	UDP		60130 Note 40
Internal PHI-BRI Note 42	UDP		64000 Note 39
SR-MGC/NMS Note 42	-		-
NMS	TCP		60060
Health Check Receive MGC - SR-MGC (Server)	UDP		60110
Health Check Send MGC - SR-MGC (Client)	UDP		60120
SR-MGC Charge MGC Side	TCP		60140
SR-MGC Charge SR-MGC Side	TCP		60150
DNS	UDP	LAN2 (fixed)	53
SNTP	UDP	LAN2 (fixed)	123
PBUS over IP	UDP	LAN1 (fixed)	60220
Internal SIP Handler Note 43	-	LAN1 (ACT2)	-
Internal SIP Handler (SIP Signaling)	UDP/ TCP (Server)		LAN1: 55060 LAN1 (ACT2): 5060
Internal SIP Handler (DRS Registration)	UDP		60300
Internal SIP Handler (Negotiation)	UDP/ TCP (Server)		60301
Internal SIP Handler (TLS) Note 44	TCP (Server)		LAN1: 55061 LAN1 (ACT2): 5061

Note: In dual configuration, the connection will be disconnected by a switchover of CPU when LAN1 is selected for the application of TCP connection. Take notice that the connection may be disconnected for Internal PHC or Internal PHI-PRI which communicates with Call Control.

Note: The port numbers are common between a CCN and RNs.

Note 34: Available only for a CCN.

Note 35: LAN Interface used for PCPro.

Note 36: LAN Interface is selectable for this parameter on ADTM but must always be fixed to LAN1.

- Note 37:** Changing REG LAN port from its default value, LAN1 to LAN2 may mitigate your work on configuring IP equipment; but you have some conditions to make sure of before doing this. See “Conditions for LAN Interface Switching” in Configuration and Maintenance Guide for Remote Node over IP.
- Note 38:** When the Port Number of REG is modified, the same Port Number must be assigned for DrsPort in ASPC command (SPconfig.conf, StaticInfo.txt).
- Note 39:** Internal PHI-PRI and Internal PHI-BRI share their port numbers.
- Note 40:** When the Port Number of Internal PHE is modified, the same Port Number must be assigned for PHE Port in ASPC command (SPconfig.conf).
- Note 41:** The Port Number of CS Report assignment other than 60080 is restricted although modification is allowed.
- Note 42:** When migrating from existing IPX/SV7000 to the SV9500, LAN1/LAN2 can be selected as LAN interface for IP Equipment/Terminals that use a proprietary protocol. For the detail, refer to LAN1/LAN2 Accommodation (Selectable for Migration) in Migration Manual.
- Note 43:** If you change the settings of Internal SIP Handler's LAN port, Application port or IP address2 (ACT) while the Internal SIP Handler is in operation, use the ADPM command to initialize the handler after initialization of TCP/IP Module is completed.
- Note 44:** Available since FP95-114 V4.

Registration Service

- Note:** The PCPro logging in to a CCN (and only when selecting CCN) provides setting the following items; the PCPro logging in to a RN does not. You can apply the data set in a CCN to a RN by synchronizing the office data with the CPDM command or etc.

MGC Search Address 1/MGC Search Address 2

Enter the IP address of MGC to establish registration feature among multiple nodes.

- Note:** If you want to assign a CCN IP address here, assign an ACT-side address of a LAN interface where REG is registered in Configure Application Port setting.

Consecutive Login Failure Threshold [0-15]

Node generates a system message if login failure occurs consecutively and the number of login failures reach this value.

Password Encryption

Select either of the algorithms for Password Encryption in the combo box.

- MD5 (Default)
- Proprietary Procedure

Default URL Setting

Note: The PCPro logging in to a CCN (and only when selecting CCN) provides setting the following item; the PCPro logging in to a RN does not.

Specify the default URL in the edit box within 191 characters (except space and line feed).

DtermIP Firmware Update Information

Note: The PCPro logging in to a CCN (and only when selecting CCN) provides setting the following items; the PCPro logging in to a RN does not.

Latest Firmware Version

Enter the firmware version of the IP Enabled Dterm in the form “xx.xx (x=0-9)”.

Firmware File Name

Enter the file name of the IP Enabled Dterm firmware in the range of 1-16 characters (space is not available).

Login Name

Enter the login name of the FTP server in the range of 4-12 characters (space is not available).

Password

Enter the password to login to the FTP server in the range of 4-12 characters (space is not available). “*” is indicated in the entering field.

FTP Server

Specify the FTP server where the firmware will be downloaded. Select either of the radio buttons, ACT CPU, STBY CPU, or External Server (ACT CPU is selected in default setting).

Server Address

Enter the IP address of FTP server. This field is effective when “External Server” has been selected.

Directory

Enter the location (directory), on the External Server, where the firmware file is located within 64 characters (space is not available). This field is effective when “External Server” has been selected.

DtermIP MAC Address Registration Password

Note: The PCPro logging in to a CCN (and only when selecting CCN) provides setting the following items; the PCPro logging in to a RN does not.

Assign the MAC registration password to the Node (the password for registering the MAC address of each DtermIP to Node).

Note: This feature will be disabled when FCCS Cluster feature (ASYDN Index963 bit1=1) is enabled. Use the MAC Authentication password (NDM) assigned by AFCMN command.

Password

Enter the MAC Address registration password (the password is used to register the MAC address from the terminals).

Confirmation Input

Enter the password again for confirmation.

Note: Only this tab has the function of deleting the assigned data. Click the APPLY button entering no characters in Password/Confirmation Input columns to delete the already assigned password (a confirmation message appears).

Delete Associate Password

Not used.

4. Data Sheet

<LAN1>

IP Address;

IP Address (ACT)		
Add IP Address (ACT)	ON	OFF
IP Address2 (ACT)		
IP Address (System-0)		
IP Address (System-1)		
Subnet Mask		

Routing;

Use Default Gateway	ON	OFF	
IP Address (Default Gateway)			
Static Routing			
Destination IP Address	Destination Subnet Mask	Router IP Address	Hops 1-16

IP Address (v6);

Use IPv6	ON	OFF
Prefix Length		
IP Address (ACT)		
IP Address (System-0)		
IP Address (System-1)		

Routing (v6);

Use Default Gateway	ON	OFF
IP Address (Default Gateway)		

NIC;

Speed Fixed 10Mbps/Fixed 100Mbps/Auto Negotiation(1Gbps Only)/Auto Negotiation(10Mbps-1Gbps)	Duplex Mode Full/Half	ARP Croadcasting Period Not Send/30 sec/60 sec/120 sec

Options;

Configure Application Port				
LAN Interface to be Used				
MAT	SMDR	MCI	OAI	MIS
CS Report	PMS	MCC	CCIS Cluster	FCCS Cluster
REG	Internal PHI-PRI/ BRI	Internal PHE	Internal PHC (Client)	Internal PHC (Server)
Internal PHF	NMS	Health Check Receive MGC-SR- MGC (Server)	Health Check Send MGC-SR-MGC (Client)	SR-MGC Charge MGC Side
SR-MGC Charge SR-MGC Side	DNS	SNTP	PBUS over IP	Internal SIP Handler (SIP Signaling)
Internal SIP Handler (DRS Registration)	Internal SIP Handler (Negotiation)	-	-	-
		-	-	-

Configure Application Port Number 1024-65534				
MAT (60000)	SMDR (60010)	MCI (60020)	OAI (60030)	MIS (60040)
CS Report (60080)	PMS (60050)	MCC (60190)	CCIS Cluster (60001)	FCCS Cluster (60210)
REG (3456)	Internal PHI-PRI/ BRI (64000)	Internal PHE (60130)	Internal PHC (Client) (65030)	Internal PHC (SERVER) (57000)
Internal PHF (60180)	NMS (60060)	Health Check Receive MGC-SR- MGC (Server) (60110)	Health Check Send MGC-SR-MGC (Client) (60120)	SR-MGC Charge MGC Side (60140)
SR-MGC Charge SR-MGC Side (60150)	DNS (53)	SNTP (123)	PBUS over IP (60220)	Internal SIP Handler (SIP Signaling) (LAN1: 55060/ LAN1 (ACT2): 5060)
Internal SIP Handler (DRS Registration) (60300)	Internal SIP Handler (Negotiation) (60301)	-	-	-
		-	-	-

REGISTRATION SERVICE			
MGC Search Address 1	MGC Search Address 2	Consecutive Login Failure Threshold 0-15	Password Encryption MD5/Proprietary

DtermIP Firm Ware Update			
Firmware Version	File Name Maximum 16 Characters	Login Name 4-12 Characters	Password 4-12 Characters
FTP Server ACT CPU/STBY CPU/FTP Server		IP Address	Directory Maximum 64 Characters

DtermIP Mac Address Registration Password	
Password	Remarks

Activation Setting of Internal Servers	
Server	ON/OFF
Associate Server	
Internal FLF Server	
FTP Server	
Internal Claim Server	
Remote Login	

Maintenance User Account Settings					
Login Name 4-12 Characters	Password 4-12 Characters	Level High/Low	FTP	SSH	TELNET

<LAN2>

IP Address;

IP Address (Act)	
IP Address (System-0)	
IP Address (System-1)	
Subnet Mask	

Routing;

Use Default Gateway	ON	OFF	
IP Address (Default Gateway)			
Static Routing			
Destination IP Address	Destination Subnet Mask	Router IP Address	Hops 1-16

NIC;

Speed Fixed 10Mbps/Fixed 100Mbps/Auto Negotiation(1Gbps Only)/Auto Nego- tiation(10Mbps-1Gbps)	Duplex Mode Full/half	ARP Croadcasting Period Not Send/30 sec/60 sec/120 sec

Options;

Trace Function		
Print Warnings	ON	OFF
Others	ON	OFF

Configure SNMP		
Setting for MIB Object		
Activate SNMP Yes/No	System Description Maximum 128 Characters	Object ID
System Contact Maximum 64 Characters		System Name Maximum 64 Characters
System Location Maximum 63 Characters		Trap Enable/disable

Setting For Community Information		
Community Name Maximum 25 Characters	IP Address	Mode Read Only/writing Allowed
Setting for Trap Information		
Trap Community Name Community 25 Characters	IP Address	

Configure Application Port				
LAN Interface to be Used				
MAT	SMDR	MCI	OAI	MIS
CS Report	PMS	MCC	CCIS Cluster	FCCS Cluster
REG	Internal PHI-PRI/ BRI	Internal PHE	Internal PHC (Client)	Internal PHC (SERVER)
Internal PHF	NMS	Health Check Receive MGC-SR- MGC (Server)	Health Check Send MGC-SR-MGC (Client)	SR-MGC Charge MGC Side
SR-MGC Charge SR-MGC Side	DNS	SNTP	PBUS over IP	Internal SIP Handler (SIP Signaling)
Internal SIP Handler (DRS Registration)	Internal SIP Handler (Negotiation)	-	-	-
		-	-	-

Configure Application Port Number 1024-65534				
MAT (60000)	SMDR (60010)	MCI (60020)	OAI (60030)	MIS (60040)
CS Report (60080)	PMS (60050)	MCC (60190)	CCIS Cluster (60001)	FCCS Cluster (60210)
REG (3456)	Internal PHI-PRI/ BRI (64000)	Internal PHE (60130)	Internal PHC (Client) (65030)	Internal PHC (SERVER) (57000)
Internal PHF (60180)	NMS (60060)	Health Check Receive MGC-SR- MGC (Server) (60110)	Health Check Send MGC-SR-MGC (Client) (60120)	SR-MGC Charge MGC Side (60140)
SR-MGC Charge SR-MGC Side (60150)	DNS (53)	SNTP (123)	PBUS over IP (60220)	Internal SIP Handler (SIP Signaling) (LAN1: 55060/ LAN1 (ACT2): 5060)
Internal SIP Handler (DRS Registration) (60300)	Internal SIP Handler (Negotiation) (60301)	-	-	-
		-	-	-

Registration Service			
MGC SEARCH ADDRESS 1	MGC Search Address 2	Consecutive Login Failure Threshold 0-15	Password Encryption MD5/Proprietary

Default URL

System Message E-mail Output					
Mail Server/address To Reply					
IP Address of Mail Server	Host Name of Mgc Maximum 8 Characters	Address to Reply Maximum 64 Characters	Maximum Text Size 0-1024	Difference from GMT	E-mail Fault Message YES/NO
User Name			Password		
Destination IP Address					
Address 1 Maximum 64 Characters		Address 2 Maximum 64 Characters		Address 3 Maximum 64 Characters	

Configure Application Port Number 1024-65534				
MAT (60000)	SMDR (60010)	MCI (60020)	OAI (60030)	MIS (60040)
CS Report (60080)	PMS (60050)	MCC (60190)	CCIS Cluster (60001)	FCCS Cluster (60210)
REG (3456)	Internal PHI-PRI/ BRI (64000)	Internal PHE (60130)	Internal PHC (Client) (65030)	Internal PHC (SERVER) (57000)
Internal PHF (60180)	NMS (60060)	Health Check Receive MGC-SR-MGC (Server) (60110)	Health Check Send MGC-SR-MGC (Client) (60120)	SR-MGC Charge MGC Side (60140)
SR-MGC Charge SR-MGC Side (60150)	DNS (53)	SNTP (123)	PBUS over IP (60220)	Internal SIP Handler (SIP Signaling) (LAN1: 55060/ LAN1 (ACT2): 5060)
Internal SIP Handler (DRS Registration) (60300)	Internal SIP Handler (Negotiation) (60301)	-	-	-
		-	-	-

DtermIP Firm Ware Update			
Firmware Version	File Name Maximum 16 Characters	Login Name 4-12 Characters	Password 4-12 Characters
FTP Server ACT CPU/STBY CPU/FTP Server		IP Address	Directory Maximum 64 Characters

DtermIP MAC Address Registration Password	
Password	Remarks

DNS Setting	
IP Address 1	
IP Address 2	
IP Address 3	

Activation Setting of Internal Servers	
SERVER	ON/OFF
Associate Server	
Internal FLF Server	
FTP Server	
Internal Claim Server	
Remote Login	

ADVF: Assignment of Default Value for FCCS Location Diversity

1. General

This command is used to assign the default value of User Group Number, Tenant Number, Service Feature Restriction Class, Route Restriction Class of AUPDN command.

2. Precautions

None.

3. Data Entry Instructions

Used as Default Value of User Group Number (UGN):

Click the check box to change the value. Default value will be “1” when this checkbox is checked on ADVF command.

UGN: User Group Number [1-255]

Click “SET” for data change after entering the User Group Number.

Used as Default Value of Tenant Number (TN):

Click the check box to change the value. Default value will be “1” when this checkbox is checked on ADVF command.

TN: Tenant Number [1-63]

Click “Set” for data change after entering the Tenant Number.

Used as Default Value of Service Feature Restriction Class (SFC):

Click the check box to change the value. Default value will be “15” when this checkbox is checked on ADVF command.

SFC: Service Restriction Class [0-15]

Click “SET” for data change after entering the Service Feature Restriction Class.

Used as Default Value of Route Restriction Class (RSC):

Click the check box to change the value. Default value will be “15” when this checkbox is checked on ADVF command.

RSC: Route Restriction Class [0-15]

Click “SET” for data change after entering the Route Restriction Class.

Note: The default data assigned here will be stored in the maintenance PC (with PCPro). Therefore, the default data will not be reflected to other maintenance PC (with PCPro).

4. Data Sheet

[illegible]

AEAAL: Assignment of IP Terminal Automatic Data for LDM

1. General

This command is used to assign passwords for automatic IP terminal data assignment and the related data. A maximum of 30 templates can be used for automatic data assignment. By using this command, maintenance personnel can assign the data of IP terminals easier and faster than before.

2. Precautions

None

3. Data Entry Instructions

< Password for registration class instruction >

Click the Password for registration class instruction tab to set the following parameter.

ID:Template ID [1-30]

Enter the Template ID

Password [10 digits fixed (0-9, *, #)]

TN:Tenant Number [1-63]

RSC:Route Restriction Class [0-15]

SFC: Service Restriction Class [0-15]

MAC Address is registered: [ON/OFF]

Mark this checkbox, if necessary to register a MAC address.

Log is displayed:[ON/OFF]

Mark this checkbox, if System Message output is required.

< Password for deletion >

Click the Password for deletion tab to set the following parameter.

Password: [10 digits fixed (0-9, *, #)]

< Station LENS range >

Click the Station LENS range tab to set the following parameter.

Start LENS - End LENS:**< Physical station number range >**

Click the Physical station number range tab to set the following parameter.

Start STN - End STN:Station number [Maximum 6 digits (0-9, *, #)]

Note: Prior to assigning Physical station number, assign First Digit Code, Number of Necessary Digits and Kind of Service using ANPD/ANPDL and ASPA/ASPAL commands.

4. Data Sheet

ID (1-30)		Remarks	ID (1-30)		Remarks
Password for Registration			Password for Registration		
TN (1-63)			TN (1-63)		
RSC (0-15)			RSC (0-15)		
SFC (0-15)			SFC (0-15)		
MAC Address is registered			MAC Address is registered		
LOG Display			LOG Display		
ID (1-30)		Remarks	ID (1-30)		Remarks
Password for Registration			Password for Registration		
TN (1-63)			TN (1-63)		
RSC (0-15)			RSC (0-15)		
SFC (0-15)			SFC (0-15)		
MAC Address is registered			MAC Address is registered		
LOG Display			LOG Display		
ID (1-30)		Remarks	ID (1-30)		Remarks
Password for Registration			Password for Registration		
TN (1-63)			TN (1-63)		
RSC (0-15)			RSC (0-15)		
SFC (0-15)			SFC (0-15)		
MAC Address is registered			MAC Address is registered		
LOG Display			LOG Display		
ID (1-30)		Remarks	ID (1-30)		Remarks
Password for Registration			Password for Registration		
TN (1-63)			TN (1-63)		
RSC (0-15)			RSC (0-15)		
SFC (0-15)			SFC (0-15)		
MAC Address is registered			MAC Address is registered		
LOG Display			LOG Display		

Password for Registration	

CAUTION:
PASSWORD IS VERY IMPORTANT TO THE SECURITY OF THE SYSTEM.
CAREFUL HANDLING IS REQUIRED!

01	Start LENS	End LENS	06	Start LENS	End LENS
	Start STN	End STN		Start STN	End STN
02	Start LENS	End LENS	07	Start LENS	End LENS
	Start STN	End STN		Start STN	End STN
03	Start LENS	End LENS	08	Start LENS	End LENS
	Start STN	End STN		Start STN	End STN
04	Start LENS	End LENS	09	Start LENS	End LENS
	Start STN	End STN		Start STN	End STN
05	Start LENS	End LENS	10	Start LENS	End LENS
	Start STN	End STN		Start STN	End STN

AEFR: Assignment of EPN Facility Restriction Data

1. General

This command assigns the allowable connections among the Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2).

2. Precautions

1. Data can be entered on a Day/Night basis, if specified in ASYD command, SYS1, Index 75, b4=1.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b1=1), assign the TN parameter as data "1" for all tenants.
3. The Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) of each station is assigned by the RSC parameter of the ASDT command.
4. The Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) of each trunk route (RT) is assigned by the Trunk Restriction Class (TRSC) parameter of the ARTD command.
5. Before this command is assigned, connections for Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) are not restricted.
6. To recover the Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) connections, enter data "0 (Restricted)" for all connections.
7. The D/N/U = U (Urgent Mode) is used for LCR - Controlled Alternate PRSC service that works with the ASYD command SYS1, Index 59, b1=1. The RSC2 of this command is referred to as the Priority Restriction Class (PRSC) that is assigned by the AOPR command, or the TRSC parameter of the ARTD command, depending on the system mode. When the urgent mode is launched by either the FRL key of an Attendant Console or the CPRS command, the PRSC parameter of the AOPR command is carried out as the outgoing call restriction matrix assigned by the AEFR command. When the urgent mode has terminated (meaning that either the Day or Night mode has resumed), the outgoing call restriction is referred to by the TRSC parameter of the ARTD command.

3. Data Entry Instructions

D/N/U: Day/Night/Urgent Mode [D/N/U]

D=Day Mode

N=Night Mode

U=Urgent Mode

TN: Tenant Number**FRI: Facility Restriction Index [0-31]**

0=Station-to-Station call without a Station/ATT assistance

1=Station-to-Station call with a Station/ATT assistance

2=Station-to-Trunk route access without a Station/ATT assistance

3=Station-to-Trunk route with a Station/ATT assistance

4=Trunk incoming call to a station without a Station/ATT assistance

5=Trunk incoming call to a station with a Station/ATT assistance

6=Trunk incoming call to trunk outgoing call (Tandem connection without a Station/ATT assistance)

7=Trunk incoming call to trunk outgoing call (Tandem connection with a Station/ATT assistance)

8-31=Not used

RSC1: Calling Route Restriction Class [0-15]**RSC2: Called Route Restriction Class [0-15]****RES: Restriction Data [0/1]**

Restriction Data (RES) is assigned in the squares where RSC1 and RSC2 cross.

0=Restricted

1=Connection is allowed

Note: Default data is all "1".

4. Data Sheet

DAY/NIGHT/ URGENT MODE D/N/U		TENANT NUMBER (TN)		FACILITY RESTRICTION INDEX (FRI) 0 - 31													
		CALLED ROUTE RESTRICTION CLASS (RSC2) 0 – 15															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Calling Route Restriction Class (RSC1) 0 - 15	0																
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																

AEFRN: Assignment of EPN Facility Restriction Data for NDM

1. General

This command assigns the allowable connections among the Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Data can be entered on a Day/Night basis, if specified in ASYD command, SYS1, Index 75, b4=1.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b1=1), assign the TN parameter as data "1" for all tenants.
3. The Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) of each station is assigned by the RSC parameter of the ASDT command.
4. The Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) of each trunk route (RT) are assigned by the Trunk Restriction Class (TRSC) parameter of the ARTD command.
5. Before this command is assigned, connections for Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) are not restricted.
6. To recover the Calling Party's Restriction Class (RSC1) and Called Party's Restriction Class (RSC2) connections, enter data "0 (Restricted)" for all connections.
7. The D/N/U = U (Urgent Mode) is used for LCR - Controlled Alternate PRSC service that works with the ASYD command SYS1, Index 59, b1=1. The RSC2 of this command is referred to as the Priority Restriction Class (PRSC) that is assigned by the AOPR command, or the TRSC parameter of the ARTD command, depending on the system mode. When the urgent mode is launched by either the FRL key of an Attendant Console or the CPRS command, the PRSC parameter of the AOPR command is carried out as the outgoing call restriction matrix assigned by the AEFRN command. When the urgent mode has terminated (meaning that either the Day or Night mode has resumed), the outgoing call restriction is referred to by the TRSC parameter of the ARTD command.
8. If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b6=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

D/N/U: Day/Night/Urgent Mode [D/N/U]

D=Day Mode

N=Night Mode

U=Urgent Mode

TN: Tenant Number**FRI: Facility Restriction Index [0-31]**

0=Station-to-Station call without a Station/ATT assistance

1=Station-to-Station call with a Station/ATT assistance

2=Station-to-Trunk route access without a Station/ATT assistance

3=Station-to-Trunk route with a Station/ATT assistance

4=Trunk incoming call to a station without a Station/ATT assistance

5=Trunk incoming call to a station with a Station/ATT assistance

6=Trunk incoming call to trunk outgoing call (Tandem connection without a Station/ATT assistance)

7=Trunk incoming call to trunk outgoing call (Tandem connection with a Station/ATT assistance)

8-31=Not used

RSC1: Calling Route Restriction Class [0-15]**RSC2: Called Route Restriction Class [0-15]****RES: Restriction Data [0/1]**

Restriction Data (RES) is assigned in the squares where RSC1 and RSC2 cross.

0=Restricted

1=Connection is allowed

Note: Default data is all "1".

4. Data Sheet

DAY/NIGHT/ URGENT MODE D/N/U		TENANT NUMBER (TN)		FACILITY RESTRICTION INDEX (FRI) 0 - 31													
		CALLED ROUTE RESTRICTION CLASS (RSC2) 0 – 15															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Calling Route Restriction Class (RSC1) 0 - 15	0																
	1																
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																

AEKD: Assignment of External Key Data

1. General

This command assigns the External Key related data, that allows a maintenance person to change the system over to the Day/Night mode by means of ON/OFF on the PFT circuit card.

2. Precautions

1. When the PFT control by the external key is required, the following data assignments are needed:
AUNT command, TYPE=2 (PFT)
AEKD command
ANCD command
ACSI command, CSI=4 (Direct-In Termination (Night Mode))
2. A maximum of eight (0-7) external keys can be assigned, corresponding to each PFT circuit card. The external key can control two PFT circuit cards per MG (16 circuits).

3. Data Entry Instructions

MG: Module Group [0-7]

NCU PKG: Circuit Card Number [0/1]

CTN: External Key Number [0-7]

CP: Change Control Pattern [1-4]

1= -

2= Day/Night Change

3= -

4= Change Direct-In Termination to Attendant Termination

TN: Tenant Number

One external key can manage eight tenants at the maximum.

4. Data Sheet

MODULE GROUP NUMBER (MG) 0-7	NCU CARD NUMBER (NCU PKG) 0/1	EXTERNAL KEY NUMBER (CTN) 0-7	CHANGE CONTROL PATTERN (CP) 1-4	TENANT NUMBER (TN)							
				1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH
		0									
		1									
		2									
		3									
		4									
		5									
		6									
		7									

AESC: Assignment of Emergency Procedures Special Transfer Call

1. General

This command is used to assign and delete ANI Request Control data and MFC Special Transfer data for MFC feature.

2. Precautions

This command is available for India only.

3. Data Entry Instructions

1. When assigning MFC Special Transfer Call data (STI=2)

TN: Tenant Number

STI: Special Transfer Index [0-3]

Select STI=2 to assign MFC Special Transfer Call data. STI=0 and 1 is not used.

TRS0 TYPE: Transfer Call Data Type – Night [1-3]

TRS1 TYPE: Transfer Call Data Type – Busy [1-3]

TRS2 TYPE: Transfer Call Data Type – NO Ans [1-3]

TRS3 TYPE: Transfer Call Data Type – ICPT [1-3]

1=Attendant

2=Station

3=Trunk

TRS0 DATA: Transfer Call Data – Night

TRS0 DATA: Transfer Call Data – Busy

TRS2 DATA: TRS0 DATA: Transfer Call Data – NO Ans

TRS3 DATA: Transfer Call Data – ICPT

When TRS TYPE=1 (No data)

When TRS TYPE=2 (Station number)

When TRS TYPE=3 (ADC Number)

2. When assigning ANI Request Control Data (STI=3)

TN: Tenant Number

STI: Special Transfer Index [0-3]

Select STI=3 to assign the number of digits to ANI for the MFC feature. STI=0 and 1 are not used.

DC: Destination Code [0-9, #, *]

Enter the first digit code.

NND: Number of Necessary Digit [1-30]

Assign the maximum number of digits for ANI information (maximum 30)

4. Data Sheet

When assigning MFC Special Transfer Call Data (STI = 2)

[illegible]

When assigning ANI Request Control Data (STI = 3)

[illegible]

AETH: Assignment of External Router Connection Routing Data for LDM

1. General

This command is used to assign/delete routing data in case the data is transferred via external router.

2. Precautions

None.

3. Data Entry Instructions

FPC: Destination FPC [1-253]

FCHN: FCCH Number [1-255]

Enter the FCH assigned by the AFCH command.

C_RT: Connection Route [1-1023]

Enter the connection route number of speech channel.

DST_IP: Destination IP Address

Enter the IP address of FGH/IPTRK mounted on the destination node.

The data is input in decimal on PCPro display.

NEXT_IP: Next IP Address

Enter the IP address of FGH/IPTRK mounted on the destination node.

The data is input in decimal on PCPro display.

4. Data Sheet

[illegible]

AEVT: Assignment of Virtual TIE Line Data for Event-Based CCIS

1. General

This command assigns Virtual TIE Line data for Event-Based CCIS.

2. Precautions

1. When the parameter Verification of Connection (VRY) is assigned as “1,” if the Calling party number is not the same as the number assigned in the parameter CALLED, connection is not established.
2. The parameter FUNC=2 is necessary to activate Event-Based CCIS using the private ISDN line.

3. Data Entry Instructions

FUNC: Function [1/2]

- 1=Route Data
- 2=Point Code Data

◆ When FUNC=1 and TYPE=1/2 is assigned:

RT: Route Number [1-255]

TK: Trunk Number [0-255]

TYPE: Input Type [1-4]

- 1=Separate Channel System
- 2=Separate Channel System (for Call-By-Call)

DESTINATION: Destination Number [Six digits]

Event-Based CCIS trunk identification number.

CALLING: Calling Number [1-24]

DID number for incoming call from an Event-Based CCIS.

CALLED: Called Number [1-24]

DID number for outgoing call.

CCIS_RT: CCIS Signal Route Number [1-255]

Assign CCIS signal route number.

CCIS_TK: CCIS Signal Trunk Number [1-255]

Assign CCIS signal trunk number.

VRY: Verification of Connection [0/1]

- 0=Not required
- 1=Required

OPR: Outgoing Route Selection Pattern Number [1-4000]

Assign Outgoing Route Selection pattern number.

RA: Order Of Route Advancing [0-7]

Assign the order of route advancing.

Note: The parameters OPR and RA appear for TYEP=2.

◆ When FUNC=1 and TYPE=3/4 is assigned:

RT: Route Number [1-255]**TK: Trunk Number**

Fixed to “0”.

TYPE: Input Type [1-4]

3=Common Channel System

4=Common Channel System (when “NPI” and “TON” are assigned by the ACBC command)

DESTINATION: Destination Number [Six digits]

Event-Based CCIS trunk identification number.

CALLING: Calling Number [1-24]

DID number for incoming call from an Event-Based CCIS.

CALLED: Called Number [1-24]

DID number for outgoing call.

ISDN_RT: ISDN Route Number [1-255]

Assign ISDN Dch’s route.

VRV: Verification of Connection [0/1]

0=Not required

1=Required

OPR: Outgoing Route Selection Pattern Number [1-4000]

Assign Outgoing Route Selection pattern number.

RA: Order of Route Advancing [0-7]

Assign the order of route advancing.

Note: The parameters OPR and RA appear for TYPE=4.

◆ When FUNC=2 is assigned:

PC: Point Code [1-16367]

Point Code of the terminating node.

RT: Route Number [1-255]

Enter the Event-Based CCIS route number for each terminating node.

4. Data Sheet

FUNCTION=1 and TYPE=1/2 (OPR and RA parameters are available for TYPE=2)

[illegible]

FUNCTION=1 and TYPE=3/4 (OPR and RA parameters are available for TYPE=4)

[illegible]

FUNCTION=2 (Event-Based CCIS RT is set for each terminating node)

POINT CODE (PC) 1-16367	ROUTE NUMBER (RT) 1-255

AFCD: Assignment of Fixed Connection - Nailed Down Connection - Data

1. General

This command assigns (connect link), deletes (release link), and displays the data (linked LENS) pertaining to Fixed connections (Nailed-Down connections).

2. Precautions

- The Nailed-Down connections available among the following circuit cards/terminals.

Single-line station	(Line circuit)
Desktop terminal	(ELC/DLC)
Trunk	(DTI, etc.)
Digital Signaling Trunk	(DST)
MODEM Trunk	(MDMT)
Data Module	(DTL)
- The status of the link is supervised periodically by the system. If the link is not in a Nailed-Down Connection, the link is forcibly released and reconnected.
- The port specified by the LENS-A parameter and LENS-B parameter are nailed-down with respect to the EAD-A parameter and EAD-B parameter.
- The EAD-A parameter and EAD-B parameter should be entered by the hexadecimal value as explained in Table "EAD-A and EAD-B Parameters".

EAD-A and EAD-B Parameters

KIND OF TERMINAL	BIT No.	CONTENTS	REMARKS																																								
TRUNK	b ₀	PAD CONTROL	Note 1																																								
	b ₁																																										
	b ₂	<table><tr><td>b₂</td><td>b₁</td><td>b₀</td><td></td><td>b₂</td><td>b₁</td><td>b₀</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>: by DIP SW</td><td>1</td><td>0</td><td>0</td><td>: 11/15 dB</td></tr><tr><td>0</td><td>0</td><td>1</td><td>: 2 dB</td><td>1</td><td>0</td><td>1</td><td>:</td></tr><tr><td>0</td><td>1</td><td>0</td><td>: 4 dB</td><td>1</td><td>1</td><td>0</td><td>:</td></tr><tr><td>0</td><td>1</td><td>1</td><td>: 11/12 dB</td><td>1</td><td>1</td><td>1</td><td>: PAD OFF</td></tr></table>		b ₂	b ₁	b ₀		b ₂	b ₁	b ₀		0	0	0	: by DIP SW	1	0	0	: 11/15 dB	0	0	1	: 2 dB	1	0	1	:	0	1	0	: 4 dB	1	1	0	:	0	1	1	: 11/12 dB	1	1	1	: PAD OFF
		b ₂		b ₁	b ₀		b ₂	b ₁	b ₀																																		
		0		0	0	: by DIP SW	1	0	0	: 11/15 dB																																	
		0	0	1	: 2 dB	1	0	1	:																																		
0	1	0	: 4 dB	1	1	0	:																																				
0	1	1	: 11/12 dB	1	1	1	: PAD OFF																																				
b ₃	0/1: Note 2																																										
b ₄ -b ₇	Not used																																										

EAD-A and EAD-B Parameters (Continued)

KIND OF TERMINAL	BIT No.	CONTENTS	REMARKS
LINE	b ₀	0/1: Reverse OFF/ON	
	b ₁	0/1: PAD OFF/ON	
	b ₂	Not used	
	b ₃		
	b ₄ -b ₇		

Note 1: When DTI is used for Data Communication, PAD Data must be “7” (binary 111).

Note 2: When bit stealing (signaling bit) is used in DTI, signaling bit (CD RS bit) is lost.
0/1 = -/To inhibit stealing bit (signaling bit) per channel in DTI

3. Data Entry Instructions

LENS-A: Line Equipment Numbers (SIDE A)

LENS of the Nailed Down target.

EAD-A: Equipment Additional Data [00-1F]

Enter the value as shown in Table "EAD-A and EAD-B Parameters".

LENS-B: Line Equipment Numbers (SIDE B)

LENS of the Nailed Down target.

EAD-B: Equipment Additional Data [00-1F]

Enter the value as shown on Table "EAD-A and EAD-B Parameters".

4. Data Sheet

[illegible]

AFCH: Assignment of FCCH Number for LDM

1. General

This command assigns the FCCH card that provides the D-Channel in the FCCS Network link.

2. Precautions

1. Before executing this command, the trunk for D-Channel should be assigned by the ACRD/ACTK commands.
2. Use sequential numbers starting from “1” at each node.
3. Assign odd numbers for Group and 0 (zero) for Level in the parameter FCHEN. **Note 1**
4. For detailed information, see the Data Programming Manual - FCCS.

Note 1: FCCS Networking via IP (by IPTRK) is available only for a migrated system from IPX and SV7000. When IPTRK is used in FCCS over IP feature, assign even numbers for Group in the parameter FCHEN.

3. Data Entry Instructions

FCHN: FCCH Number [1-255]

The unique number allocated at each node.

FCHEN: LENS of FCCH

LENS of the FCH.

Note: FCCH can use Expanded LENS (Group 24 - 31) as well as Physical LENS.

4. Data Sheet

[illegible]

AFCMN: Assignment of FCCS Location Diversity Miscellaneous Data for NDM

1. General

This command is used to assign miscellaneous information for the Location Diversity feature.

2. Precautions

When “After station data synchronization is completed (Specified-time switchover)” was chosen in Time value to re-connect to the Home Node (Primary node), if the Home Node recovered during one hour after the specified time, the Home Node will be reconnected immediately.

3. Data Entry Instructions

<When **Home Node Monitoring Interval** is selected>

While registered to the Back-up node, interval of fault recovery confirmation and method of re-connection toward the home node (Primary node) can be assigned here.

Length of Time to Confirm Connection Establishment with the Home Node [60-300 sec.]

Interval of fault recovery confirmation and method of re-connection toward the home node (Primary node) can be assigned here.

Time Value to Re-Connect to the Home Node

- After confirmation of connection establishment with the Home Node (Immediate switchover)
Terminal will be reset immediately after the confirmation of home node (Primary node) fault recovery, and re-register to the home node (Primary node).
- After station data synchronization is completed (Specified-time switchover)
After the confirmation of home node (Primary node) fault recovery, terminal will synchronize with the time assigned for “Station data synchronization processing time”, then re-register to the home node (Primary node).
- Only when [Visitor Indication] button is pressed (Manual switchover)
After the confirmation of home node (Primary node) fault recovery, terminal is not reset automatically. Terminal re-register to the home node (Primary node) by pressing the “Visitor key” or performing the reset by using the CBKS command.

Station Data Synchronization Processing Time

Assign the synchronization processing time (HH [00-23]:MM [00-59]).

Note: Note the following conditions:

- Becomes available when “After station data synchronization is completed” is selected.

- After setting the synchronization processing time, data synchronization between Back-up Node and Home Node (Primary Node) will be performed. If “After Station Data Synchronization is Completed (Specified-time Switchover)” was chosen in Time Value to Re-Connect to the Home Node, the terminals will be re-connected to Home Node after data synchronization on the specified time.
*When “After Station Data Synchronization is Completed (Specified-time Switchover)” was chosen in Time value to re-connect to the Home Node, place a check mark on the Station Data Synchronization Processing Time check box.

<When **Node Data Setting** is selected>

Master Node IP Address

Enter the IP Address of LAN1 (ACT) of node to be the master. (**Note 1**) You cannot assign the value 0.0.0.0 or 255.255.255.255.

Sub-Master Node IP Address

Enter the IP Address of LAN1 (ACT) of node to be the sub-master. (**Note 1**) You cannot assign the value 0.0.0.0 or 255.255.255.255.

Note 1: If your system version is S1, enter the IP address of LAN2 (ACT).

Port Number (TCP) (0, 1024-65534) (Default: 60210)

Enter the TCP port number which nodes within FCCS cluster communicate each other.

<When **DtermIP MAC Address Registration Password (NDM)** is selected>

Assigns the password used to assign the MAC Address to the system (NDM) from the terminal.
The data assigned to the system (NDM) can be read out/deleted by AMACN command.

Note: Cannot use together with the MAC Authentication password assigned with ADTM command.

When logging in by using DtermIP Login Code and MAC Address Registration Password, the MAC address will be assigned as follows, depending on the system data for FCCS Cluster (ASYDN, SYS1, Index 963, Bit 1).

	ASYDN: Index 963, Bit 1=0	ASYDN: Index 963, Bit 1=1
AISTL Note 2	Login Code and MAC address are assigned to the system (LDM). Note 5	Login Code and MAC address are not assigned.
ALGSN Note 3	Login Code and MAC address are assigned to the system (LDM). Note 5	Login Code and MAC address are assigned to the system (NDM).
AUPDN Note 4	Login Code and MAC address are assigned to the system (LDM). Note 5	Login Code and MAC address are assigned to the system (NDM).

Note 2: IP STN (station number of IP Station) assigned by AISTL command is used as Login Code.

Note 3: TELN (Telephone Number) assigned by ALGSN command is used as Login Code.

Note 4: TELN (Telephone Number) assigned by AUPDN command is used as Login Code.

Note 5: The data assigned to the system (LDM) can be read out/deleted by AMAC command.

Current Password

10 asterisks (*) are always displayed if the current password data exists.

New Password

Enter the new password used to assign the MAC Address within 4-10 characters (0-9, *, #).

New Password Confirmation

Re-enter the password assigned above.

4. Data Sheet

- When **Home Node Monitoring Interval** is selected

[illegible]

- When **Node Data Setting** is selected

[illegible]

- When **DtermIP MAC Address Registration Password (NDM)** is selected

Password

AFCP: Assignment of Call Forwarding Service by Calling Number

1. General

This command assigns the data related to the Calling Party Recognition Service of ISDN.

2. Precautions

1. When the Call Forwarding Destination is a trunk line, assign the Abbreviated Digit Code for the trunk line using the ASPD command. In this case, Access Code + SPEED Dialing Number must be assigned within four digits.
2. Data can be entered on a Day/Night basis if specified in the ASYD command, SYS1, Index 76, b2=1.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
4. The CALLING PARTY parameter may be treated as:
 - All digits (Called Station Number + Access Code assigned by the DC parameter of the ACND command + Calling party number)
 - Some portions are ignored:

Example: Ignore 003, where 003 is the Access Code.

- The entire number is ignored, reverting back to traditional Call Forwarding services.
5. The Calling Party Recognition Service affects when the Bearer Capability of the calling party is Speech or 3.1 kHz audio. (Unrestricted digital data is not available.)

3. Data Entry Instructions

DAY/NIGHT:Day Night Mode [D/N]

D=DAY

N=NIGHT

TN: Tenant Number [1-63]**CALLING PARTY: Calling Party Number [Maximum 32 digits]**

Called Station Number + ACC (**Note 1**) + Calling Party Number

Note 1: Enter the Access Code assigned in the ACND command.

CFSI: Call Forwarding Service Feature [0-3]

0=Call Forwarding-All Calls

1=Call Forwarding-Busy Line

2=Call Forwarding-Don't Answer

3=Direct-In Termination

ITC: Information Transfer [0-2]

0=Speech

1=Unrestricted (Digital Data)

2=3.1 kHz Audio (MODEM)

CFD: Call Forwarding Destination [0-3]

0=Station

1=ATT

2=External

3=Not used

STN: Station number [Maximum six digits]

STN parameter appears when CFD=0 (Station).

ADC: Abbreviated Digit Code [Maximum four digits]

ADC parameter appears when CFD=2 (External).

4. Data Sheet

Call Forwarding Destination is a station.

DAY/NIGHT MODE (DAY/NIGHT) D/N	TENANT NUMBER (TN)	CALLING PARTY NUMBER (CALLING PARTY) MAXIMUM 32 DIGITS	CALL FORWARDING SERVICE FEATURE (CFSI) 0-3	INFORMATION TRANSFER (ITC) 0-2	CALL FORWARDING DESTINATION (CFD) 0	STATION NUMBER (STN)
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	

Call Forwarding Destination is an ATTCON.

DAY/NIGHT MODE (DAY/NIGHT) D/N	TENANT NUMBER (TN)	CALLING PARTY NUMBER (CALLING PARTY) MAXIMUM 32 DIGITS	CALL FORWARDING SERVICE FEATURE (CFSI) 0-3	INFORMATION TRANSFER (ITC) 0-2	CALL FORWARDING DESTINATION (CFD) 1
					1
					1
					1
					1
					1
					1
					1
					1
					1
					1
					1
					1

Call Forwarding Destination is a C.O. line.

[illegible]

AFCP_T: Assignment of Call Forwarding Service by Calling Number – Telephone Number

1. General

This command is used to assign/delete the data related to the Calling Party Recognition Service of ISDN. The station data of AFCP command can be assigned by using Telephone Number instead.

2. Precautions

1. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. When the Call Forwarding Destination is a trunk line, assign the Abbreviated Digit Code for the trunk line using the ASPD command. In this case, Access Code + SPEED Dialing Number must be assigned within four digits.
4. Data can be entered on a Day/Night basis if specified in the ASYD command, SYS1, Index 76, b2=1.
5. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
6. The CALLING PARTY parameter may be treated as:
 - All digits (Called Station Number + Access Code assigned by the DC parameter of the ACND command + Calling Party Number)
 - Some portions are ignored

Example: Ignore 003, where 003 is the access code.

 - The entire number is ignored, reverting back to traditional Call Forwarding services.
7. The Calling Party Recognition Service affects when the Bearer Capability of the calling party is Speech or 3.1 kHz audio. (Unrestricted digital data is not available.)

3. Data Entry Instructions

D/N: Day Night Mode

DAY

NIGHT

UGN: User Group Number [1-255]

CALLING PARTY: Calling Party Number [Maximum 32 digits]

Called Station Number + ACC (**Note 1**) + Calling Party Number

Note 1: Enter the Access Code assigned in the ACND command.

CFSI: Call Forwarding Service Feature [0-3]

0=Call Forwarding-All Calls

1=Call Forwarding-Busy Line

2=Call Forwarding-Don't Answer

3=Direct-In Termination

ITC: Information Transfer [0-2]

0=Speech

1=Unrestricted (Digital Data)

2=3.1 kHz Audio (MODEM)

CFD: Call Forwarding Destination [0-2]

0=Telephone Number

1=ATT

2=External

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of destination station. This parameter appears when "CFD = Telephone Number" is selected.

ADC: Abbreviated Digit Code [Maximum four digits]

Enter the Abbreviated Digit Code for the trunk line assigned by ASPD command. This parameter appears when "CFD = External" is selected.

Note: The existing data can be read out by pressing GET button after UGN and TELN data is entered.

4. Data Sheet

- Call Forwarding Destination is a station (CFD=Telephone Number).

DAY/NIGHT (D/N)	USER GROUP NUMBER (UGN)	CALLING PARTY NUMBER (CALLING PARTY) MAXIMUM 32 DIGITS		
CALL FORWARDING SERVICE FEATURE (CFSI)	INFORMATION TRANSFER (ITC)	CALL FORWARDING DESTINATION (CFD)	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS	REMARKS
		TELN		
DAY/NIGHT	UGN	CALLING PARTY MAXIMUM 32 DIGITS		
CFSI	ITC	CFD	TELN MAXIMUM 16 DIGITS	REMARKS
		TELN		
DAY/NIGHT	UGN	CALLING PARTY MAXIMUM 32 DIGITS		
CFSI	ITC	CFD	TELN Maximum 16 DIGITS	REMARKS
		TELN		
DAY/NIGHT	UGN	CALLING PARTY MAXIMUM 32 DIGITS		
CFSI	ITC	CFD	TELN Maximum 16 DIGITS	REMARKS
		TELN		
DAY/NIGHT	UGN	CALLING PARTY MAXIMUM 32 DIGITS		
CFSI	ITC	CFD	TELN Maximum 16 DIGITS	REMARKS
		TELN		
DAY/NIGHT	UGN	CALLING PARTY MAXIMUM 32 DIGITS		
CFSI	ITC	CFD	TELN MAXIMUM 16 DIGITS	REMARKS
		TELN		
DAY/NIGHT	UGN	CALLING PARTY MAXIMUM 32 DIGITS		
CFSI	ITC	CFD	TELN MAXIMUM 16 DIGITS	REMARKS
		TELN		

- Call Forwarding Destination is an ATTCON (CFD = ATT)

D/N	UGN	CALLING PARTY NUMBER (CALLING PARTY) MAXIMUM 32 DIGITS	CALL FORWARDING SERVICE FEATURE (CFSI)	INFORMATION TRANSFER (ITC)	CALL FORWARDING DESTINATION (CFD)
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT
					ATT

- Call Forwarding Destination is a C.O. line (CFD = External)

D/N	UGN	CALLING PARTY NUMBER (CALLING PARTY) MAXIMUM 32 DIGITS	CALL FORWARD- ING SERVICE FEATURE (CFSI)	INFORMA- TION TRANSFER (ITC)	CALL FORWARD- ING DESTINA- TION (CFD)	ABBREVI- ATED DIGIT CODE (ADC) MAXIMUM 4 DIGITS
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	
					External	

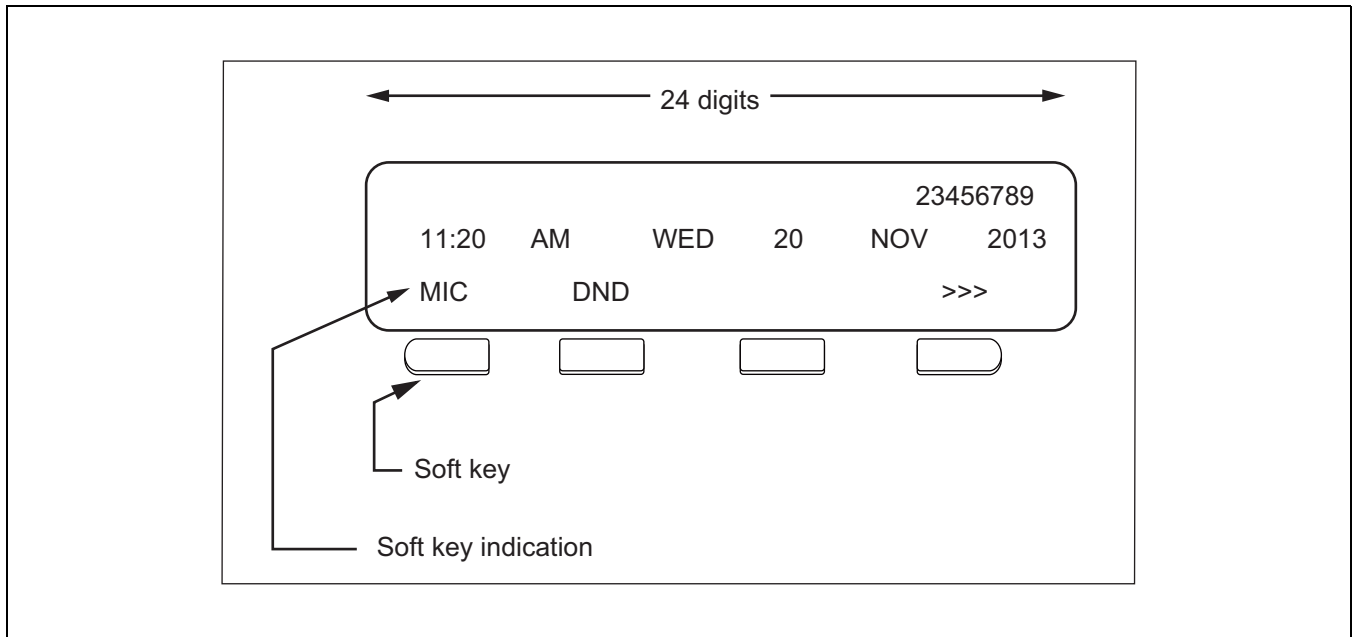
AFDD: Assignment of Function Display Data

1. General

This command assigns the characters of soft key indication on a Desktop terminal.

When this command is not assigned, the default (that shows on the FKY parameter description on this command) is displayed.

Soft Key Indication



2. Precautions

1. The LCD is 24 digits wide, and there are four soft keys. A maximum of six characters can be assigned for each soft key indication.
2. After the system initialization is performed, the soft key cannot be used for one minute.
3. The new LCD display programmed via this command will change after one minute passes.
4. When the station being programmed is busy, the LCD display will not change until the station is released.

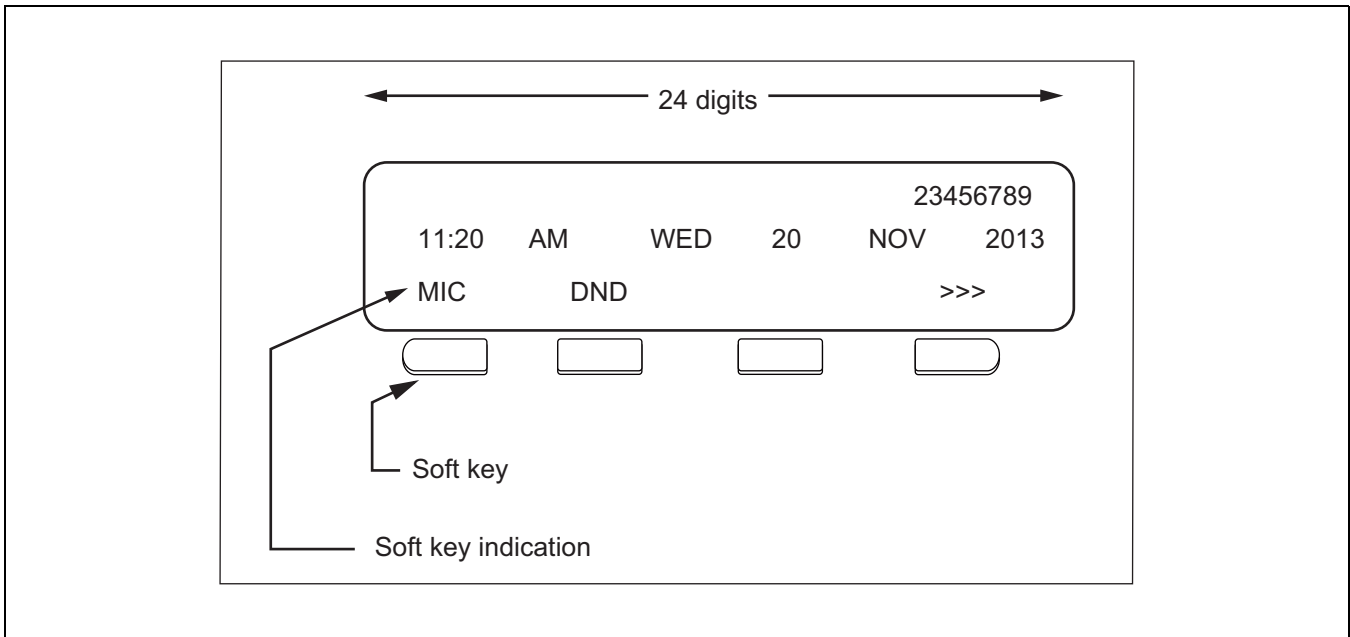
AFDDN: Assignment of Function Display Data for NDM

1. General

This command assigns the characters of soft key indication on a Desktop terminal.

When this command is not assigned, the default (that shows on the FKY parameter description on this command) is displayed.

Soft Key Indication



2. Precautions

1. The LCD is 24 digits wide, and there are four soft keys. A maximum of six characters can be assigned for each soft key indication.
2. After the system initialization is performed, the soft key cannot be used for one minute.
3. The new LCD display programmed via this command will change after one minute passes.
4. When the station being programmed is busy, the LCD display will not change until the station is released.
5. Soft key data must be reassigned after constructing FCCS network.

AFIP: Assignment of FCCS over IP Data for LDM

1. General

This command assigns the Router Access Number for controlling voice channel between Node and Router.

2. Precautions

1. At the LENS parameter, the information of DTI card used for voice channel is assigned.
2. LENS of voice channel must be set on condition that data “2 (=FCCS over IP)” is assigned at CDN16 parameter of ACRD command.

3. Data Entry Instructions

FCHNO: FCH Number [1-255]

Enter the number of FCH.

FGHEN: Line Equipment Numbers of FGH

Enter the first Line Equipment Numbers of the Group that FGH is assigned.

LENS: Line Equipment Numbers of QSIG-PRIME BCD Note 1

Line Equipment Numbers of voice channel.

RT_ACC: Router Access Number [Maximum 16 digits] Note 1

Assign the Router Access Number recognized by the router.

Note 1: LENS and RT_ACC parameters are adjusted to the ports of the Router.

4. Data Sheet

[illegible]

AFIPN: Assignment of FCCS over IP Data for NDM

1. General

This command assigns the data pertaining to the relationship between FPC and the IP Address of counter node.

2. Precautions

None.

3. Data Entry Instructions

FPC: Fusion Point Code [1-253]

Enter the FPC of counter node.

FCCS IP Address Redundancy Function

ON to enable the FCCS IP Address Redundancy Function, select this check box.

Note: When NCN or LN of the target FPC is in Geographic Redundancy system, select this check box to ON.

IP Address List

* When the FCCS IP Address Redundancy Function check box is cleared:
A row of IP address is displayed.

* When the FCCS IP Address Redundancy Function check box is selected:
Maximum 8 rows of IP addresses are displayed.

CNT: Number of IP Address [1-8]

IP ADDRESS: IP Address [0.0.0.1-255.255.255.255]

4. Data Sheet

[illegible]

AFPC: Assignment of FCCH Routing Data for LDM

1. General

This command assigns the B-Channel and the D-Channel data for each FPC. (The maximum number of routing data is eight for one FPC.)

2. Precautions

1. The maximum number of the alternative FPCs is eight for one destination FPC. (In FCCS Link using the LANI card.)
2. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

FPC: Fusion Point Code [0-253]

Assign FPC of the final destination node in this parameter within the range of 1-253.

FPC is the unique number allocated to each node.

When IPPAD is equipped in the system, assign the C_RT of IPPAD to FPC=0.

FCCH: FCCH Use or Not Use [0/1]

0=The FCH card is not used

1=The FCH card is used

P_ROUTE: Priority Route [0/1]

0=FCCH

1=FGH

Note: It depends on the assignment on P_ROUTE parameter, whether the direct connection or FCH connection routing is selected.

In redundant configuration of internal LAN, A/B system changeover is activated in case all the routes, both for direct connection and FCH connection, are unable to communicate.

According to the P_ROUTE assignment, the route is selected in the following order;

When P_ROUTE = 0 (FCCH) is selected,

A direct connection *P*FCH A *P*B direct connection *P*FCH B
or

B direct connection *P*FCH B *P*A direct connection *P*FCH A

When P_ROUTE = 1 (FGH) is selected,

FCH A *P*A direct connection *P*FCH B *P*B direct connection
or

FCH B *P*B direct connection *P*FCH A *P*A direct connection

C_RT: Connection Route [1-1023]

The Connection Route (B-Channel).

FCHN/FPCN: FCCH Number/Fusion Point Code Number [0-255/0-253]

- “0” is available when FPC=0.
- If FCCH=0, assign Fusion Point Code Number of the Intermediary node or the final destination node in the range of 1-253 to the parameter FPCN.
- If FCCH=1, assign the FCCH number in the range of 1-255 to the parameter FCHN.

4. Data Sheet

FUSION POINT CODE (FPC) 0-253	FCCH USE OR NOT USE (FCCH) 0/1	PRIORITY ROUTE (P_ROUTE) 0/1							
		1	2	3	4	5	6	7	8
CONNECTION ROUTE (C_RT) 1-1023									
FCCH NUMBER/FUSION POINT CODE NUMBER (FCHN/FPCN) 0-255/0-253									
FUSION POINT CODE (FPC) 0-253	FCCH USE OR NOT USE (FCCH) 0/1	PRIORITY ROUTE (P_ROUTE) 0/1							
		1	2	3	4	5	6	7	8
CONNECTION ROUTE (C_RT) 1-1023									
FCCH NUMBER/FUSION POINT CODE NUMBER (FCHN/FPCN) 0-255/0-253									
FUSION POINT CODE (FPC) 0-253	FCCH USE OR NOT USE (FCCH) 0/1	PRIORITY ROUTE (P_ROUTE) 0/1							
		1	2	3	4	5	6	7	8
CONNECTION ROUTE (C_RT) 1-1023									
FCCH NUMBER/FUSION POINT CODE NUMBER (FCHN/FPCN) 0-255/0-253									
FUSION POINT CODE (FPC) 0-253	FCCH USE OR NOT USE (FCCH) 0/1	PRIORITY ROUTE (P_ROUTE) 0/1							
		1	2	3	4	5	6	7	8
CONNECTION ROUTE (C_RT) 1-1023									
FCCH NUMBER/FUSION POINT CODE NUMBER (FCHN/FPCN) 0-255/0-253									

AFPD: Assignment of FCCS Tandem PAD Data for LDM

1. General

This command assigns PAD data for the connection route.

2. Precautions

1. This data has priority over the data assigned by PAD in command ACRD.
2. When data is input on this command, the data in the ACRD CDN6: PAD must be “7.”

3. Data Entry Instructions

TYPE: Type of Connection [1-4]

1=RT→C_RT

2=C_RT→C_RT

3=C_RT→RT

4=STN←→C_RT

◆ When TYPE=1 (RT→C_RT) is assigned:

IC RT: Incoming Route [1-899]

Assign the incoming route number.

OG C_RT: Outgoing Connection Route [1-1023]

Assign the outgoing connection route number Originated to the outside of the node.

ICPAD: Incoming PAD Data [1-15]

1-14=**Note 1**

15=PAD OFF (0dB)

OGPAD: Outgoing PAD Data [1-15]

1-14=**Note 1**

15=PAD OFF (0dB)

Note 1: PAD value differs depending on the specification of each circuit card. For detailed settings of the PAD value on each circuit card, refer to Circuit Card Description or related system manuals.

◆ When TYPE=2 (C_RT→C_RT) is assigned:

IC C_RT: Incoming Connection Route [1-1023]

Assign the incoming route number.

OG C_RT: Outgoing Connection Route [1-1023]

Assign the outgoing connection route number.

ICPAD: Incoming PAD Data [1-15]

1-14=**Note 2**

15=PAD OFF (0dB)

OGPAD: Outgoing PAD Data [1-15]

1-14=**Note 2**

15=PAD OFF (0dB)

◆ When TYPE=3 (C_RT→RT) is assigned:

IC C_RT: Incoming Connection Route [1-1023]

Assign the incoming connection route number.

OG RT: Outgoing Route [1-255]

Assign the outgoing connection route number.

ICPAD: Incoming PAD Data [1-15]

1-14=**Note 2**

15=PAD OFF (0 dB)

OGPAD: Outgoing PAD Data [1-15]

1-14=**Note 2**

15=PAD OFF (0dB)

Note 2: PAD value differs depending on the specification of each circuit card. For detailed settings of the PAD value on each circuit card, refer to Circuit Card Description or related system manuals.

◆ When TYPE=4 (STN $\longleftrightarrow$ C_RT) is assigned:

SFC: Service Restriction Class [0-15]

Assign Service Feature Restriction Class for the station.

C_RT: Connection Route [1-1023]

Assign the connection route number.

ICPAD: Incoming PAD Data [1-15]

1-14=**Note 3**

15=PAD OFF (0dB)

OGPAD: Outgoing PAD Data [1-15]

1-14=**Note 3**

15=PAD OFF (0dB)

Note 3: PAD value differs depending on the specification of each circuit card. For detailed setting of the PAD value on each circuit card, refer to Circuit Card Description or related system manuals.

4. Data Sheet

$$\text{RT} \rightarrow \text{C\_RT}$$
[illegible]

$$C_{RT} \rightarrow C_{RT}$$
[illegible]

$$C_{RT \rightarrow RT}$$
[illegible]

$$\text{STN} \longleftrightarrow \text{C\_RT}$$
[illegible]

AFRFL: Assignment of Flexible Route Data for FCCS for LDM

1. General

This command assigns the alternative route data via C.O. or TIE Line in case all the connection trunks are busy or FCCS link failure (Layer 2 down) has occurred.

2. Precautions

Prior to this command assignment, the following data should be set.

- Numbering plan data for the route designated.
- Station-to-Station calling activated via FCCS is allowed.

3. Data Entry Instructions

TN: Tenant Number

Enter the Tenant Number of the calling party.

FPC: Fusion Point Code [1-253]

Enter the Fusion Point Code of the terminating node.

ACC: Access Code [Maximum 24 digits]

Assign the Access Code of the alternative route of C.O. or TIE Line.

4. Data Sheet

[illegible]

AFRIL: Assignment of P2P Fusion Routing Information for LDM

1. General

This command is used to assign/delete routing information for the P2P FCCS.

2. Precautions

None.

3. Data Entry Instructions

FPC: Fusion Point Code [1-253]

Enter the FPC of final destination node to routing.

CNT: Count [1-8]

Enter the number of FPC which can be assigned maximum 8 FPCs for 1 opposite node's FPC.

Note: Normally CNT=2 or greater is not used.

DST FPC: Destination FPC [1-253]

Enter the Destination FPC which is directly sent FCCS control packet.

4. Data Sheet

[illegible]

AFRRL: Assignment of Flexible Route Re-routing Data for LDM

1. General

This command is used to assign/delete the re-routing information when communications with the Telephony Server is impossible.

2. Precautions

1. When selecting TELN (Telephone Number) for “TYPE” assign Telephone Number to TELN that is used for call forwarding source.
2. When specifying a public network as Call Forwarding Destination Number (CFD), assign the number that includes trunk access code and area code.
3. By assigning the Called Party Subaddress with this command, features related to called party Subaddress can be used.
4. You can assign the called number (remote access number) and called party subaddress (ID code plus called party number) which are used in “Automated Attendant [A-82]”/“Remote Access to System [R-2]” as a destination number. For more detailed information, refer to “Flexible Network Re-routing [F-41]” in Data Programming Manual - Business.

3. Data Entry Instructions

TYPE: Rerouting Data Type (1/2)

Select TELN for assigning re-routing data on a Telephone Number basis and select MA-ID for assigning re-routing data on an MA-ID basis.

TELN (Telephone Number)

MA-ID

◆ When TYPE=TELN is selected:

UGN: User Group Number [1-255]

TELN(LDM): Transfer Source Telephone Number [0-9, *, #, Maximum 16 digits]

CFD: Call Forwarding Destination Number [0-9, *, Maximum 24 digits]

Set a Public Network Number (all digits) that includes the Trunk Access Code and Area Code.

Called Party Subaddress: Note 1, Note 2

Check the checkbox to add the called party Subaddress, and then select either, Automatic Addition Digit Code or Manual Input Digit Code.

Address Specification Method:

Automatic Addition Digit Code: **Note 3**

Automatically adds the Telephone Number (LDM) of the call forwarding destination (CFD) as the called party Subaddress.

Manual Input Digit Code:

Uses the entered data as the called party Subaddress. Set a called party Subaddress in IDC when the destination is ISDN.

IDC: Input Digit Code [0-9, *, Maximum 24 digits (“#” is not used)]

◆ When TYPE=MA-ID is selected:

MA-ID: Message Area ID [4 digits, 0-9999]

Enter MA-ID to which call forwarding information is assigned.

CFD: Call Forwarding Destination Number [0-9, *, Maximum 24 digits] Note 3

Set a Public Network Number (all digits) that includes the Trunk Access Code and Area Code.

Called Party Subaddress: Note 1, Note 2

Check the checkbox to add the called party Subaddress, and then select either, Automatic Addition Digit Code or Manual Input Digit Code.

Address Specification Method:

Automatic Addition Digit Code: Note 3

Automatically adds the Telephone Number (LDM) of the call forwarding destination (CFD) as the called party Subaddress.

Manual Input Digit Code:

Uses the entered data as the called party Subaddress. Set a called party Subaddress in IDC when the destination is ISDN.

IDC: Input Digit Code [0-9, *, Maximum 24 digits (“#” is not used)]

Note 1: Do not add the called party Subaddress when “#” is included in the Telephone Number (LDM) of the call forwarding destination (CFD).

Note 2: When you add the called party Subaddress, the number of digits for CFD assigned by AFRRL/AFRRN must be the same as NND assigned by AMND/AMNDL/AMNDN. Set “Out of Service” for SUB (Sub Address Dialing) of ASPA/ASPAL/ASPN used for the trunk access code included in CFD assigned by AFRRL/AFRRN. When the setting of the Subaddress is required for a normal call origination to an outside line, the trunk access code used for the normal call origination must be different from the one used for re-routing.

Note 3: Automatic Addition Digit Code
When this command is used, the Telephone Number (LDM) is added.

4. Data Sheet

[illegible]

AFRRN: Assignment of Flexible Route Re-routing Data for NDM

1. General

This command is used to assign/delete the re-routing information when communications with the Telephony Server is impossible.

2. Precautions

1. When selecting TELN (Telephone Number) for “TYPE” assign Telephone Number to TELN that is used for call forwarding source.
2. When specifying a public network as Call Forwarding Destination Number (CFD), assign the number that includes trunk access code and area code.
3. By assigning the Called Party Subaddress with this command, features related to called party Subaddress can be used.
4. You can assign the called number (remote access number) and called party subaddress (ID code plus called party number) which are used in “Automated Attendant [A-82]”/“Remote Access to System [R-2]” as a destination number. For more detailed information, refer to “Flexible Network Re-routing [F-41]” in Data Programming Manual - Business.

3. Data Entry Instructions

TYPE: Rerouting Data Type (1/2)

Select TELN for assigning re-routing data on a Telephone Number basis and select MA-ID for assigning re-routing data on an MA-ID basis.

TELN (Telephone Number)

MA-ID

◆ When TYPE=TELN is selected:

UGN: User Group Number [1-255]

TELN(NDM): Transfer Source Telephone Number [0-9, *, #, Maximum 16 digits]

CFD: Call Forwarding Destination Number [0-9, *, Maximum 24 digits] **Note 4**

Set a Public Network Number (all digits) that includes the Trunk Access Code and Area Code.

Called Party Subaddress: **Note 1, **Note 2****

Check the checkbox to add the called party Subaddress, and then select either, Automatic Addition Digit Code or Manual Input Digit Code.

Address Specification Method:

Automatic Addition Digit Code: **Note 3**

Automatically adds the Telephone Number (NDM) of the call forwarding destination (CFD) as the called party Subaddress.

Manual Input Digit Code:

Uses the entered data as the called party Subaddress. Set a called party Subaddress in IDC when the destination is ISDN.

IDC: Input Digit Code [0-9, *, Maximum 24 digits (“#” is not used)]

◆ When TYPE=MA-ID is selected:

MA-ID: Message Area ID [4 digits, 0-9999]

Enter MA-ID to which call forwarding information is assigned.

CFD: Call Forwarding Destination Number [0-9, *, Maximum 24 digits]

Set a Public Network Number (all digits) that includes the Trunk Access Code and Area Code.

Called Party Subaddress: Note 1, Note 2

Check the checkbox to add the called party Subaddress, and then select either, Automatic Addition Digit Code or Manual Input Digit Code.

Address Specification Method:

Automatic Addition Digit Code: **Note 3**

Automatically adds the Telephone Number (NDM) of the call forwarding destination (CFD) as the called party Subaddress.

Manual Input Digit Code:

Uses the entered data as the called party Subaddress. Set a called party Subaddress in IDC when the destination is ISDN.

IDC: Input Digit Code [0-9, *, Maximum 24 digits (“#” is not used)]

Note 1: Do not add the called party Subaddress when “#” is included in the Telephone Number/Private Number Code of the call forwarding destination (CFD).

Note 2: When you add the called party Subaddress, the number of digits for CFD assigned by AFRRL/AFRRN must be the same as NND assigned by AMND/AMNDL/AMNDN. Set “Out of Service” for SUB (Sub Address Dialing) of ASPA/ASPAL/ASPN used for the trunk access code included in CFD assigned by AFRRL/AFRRN. When the setting of the Subaddress is required for a normal call origination to an outside line, the trunk access code used for the normal call origination must be different from the one used for re-routing.

Note 3: Automatic Addition Digit Code
Dial Plan to support IP Centrex Functionality is disabled (ASYDN SYS1 Index 818 Bit5=0), the Telephone Number (NDM) is added. When Dial Plan to support IP Centrex Functionality is enabled (ASYDN SYS1 Index 818 Bit5=1), Private Number Code (**Note 4**) + Telephone Number (NDM) are added.

Note 4: “Private Number Code” means a private number code which is assigned to UGN with the AUPVN command.

4. Data Sheet

[illegible]

AFRS: Assignment of Flexible Route Selection Data

1. General

This command assigns the Area/Office Code data for the related OPR.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYD command, SYS1, Index 93, b4=1), assign TN parameter as data “1” for all tenants.
2. After an Outgoing Route Selection Pattern Number (OPR) has been assigned in this command, it is necessary to assign the LCR routing pattern/six digits routing pattern by the AOPR/ASDC command respectively.
3. It should be noted that the Access Code (AC) may or may not be included in the Number Pattern Code (NPC) depending upon the assignment of the AC parameter by the ARTD command. If “0” is assigned, the Access Code is not included. If “1” is assigned, the Access Code must be included.
4. Assign the Dummy Route Number in the RT parameter.
5. When assigning such a number as shown below to parameter NPC, enter “T” code to the end digit of NPC.

Example:

When assigning 90 and 900 to NPC:

<u>Number</u>	<u>Input Number for NPC</u>	<u>OPR</u>
90	90T	X
900	900	Y

3. Data Entry Instructions

TN: Tenant Number [1-63]

RT: Route Number [1-255]

Dummy route number assigned by the ASPA command.

NPC: Number Pattern Code [Maximum 16 digits]

NPC is the Toll Distinctive Code (TDC), NPA and or NXX. This data can be a maximum of 16 digits. This data may include the Access Code for LCR/LCRS.

OPR: Outgoing Route Selection Number [0-4000]

The OPR is an intermediate step. To assign the AOPR command, an arbitrary number may be entered ranging from 1 to 4000. (OPR0 is used for number not dialed in the network.)

4. Data Sheet

[illegible]

AFRSL: Assignment of Flexible Route Selection Data for LDM

1. General

This command assigns the Area/Office Code data for the OPR assigned by the AOPRL command. This data is written in Local Data Memory (LDM).

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b4=1), assign TN parameter as data “1” for all tenants.
2. After an Outgoing Route Selection Pattern Number (OPR) has been assigned in this command, it is necessary to assign the LCR routing pattern/six digits routing pattern by the AOPRL/ASDCL command respectively.
3. The Access Code (AC) may or may not be included in the Number Pattern Code (NPC) depending upon the assignment of the AC parameter by the ARTD command. If “0” is assigned, the Access Code is not included. If “1” is assigned, the Access Code must be included.
4. Assign the Dummy Route Number in the LGRT parameter.
5. When assigning such a number as shown below to parameter NPC, enter “T” code to the end digit of NPC.

Example:

When assigning 90 and 900 to NPC:

<u>Number</u>	<u>Input Number for NPC</u>	<u>OPR</u>
90	90T	X
900	900	Y

3. Data Entry Instructions

TN: Tenant Number [1-63]

LGRT: Logical Route Number [1-899]

Dummy route number assigned by the ASPAL/ASPAN command. When the system is configured as a standalone, register the Physical Route Number.

NPC: Number Pattern Code [Maximum 16 digits]

NPC is the Toll Distinctive Code (TDC), NPA and or NXX. This data can be maximum of 16 digits. This data may include the Access Code for LCR/LCRS.

MA-ID: Message Area ID [4 digits (0-9999)]

After marking the above checkbox, enter desired MA-ID if necessary. Existing data can be read out by pressing the GET button.

OPR: Outgoing Route Selection Number [0-4000]

The OPR is an intermediate step. To assign the AOPRL command, an arbitrary number may be entered ranging from 1 to 4000. (OPR0 is used for number not dialed in the network.)

AREA NAME: [Maximum 16 digits]

By entering the above MA-ID parameter, the corresponding Area Name assigned by AMAIL is displayed.

4. Data Sheet

[illegible]

[illegible]

AFRSN: Assignment of Flexible Route Selection Data for NDM

1. General

This command assigns the Area/Office Code data for the OPR assigned by the AOPRN command. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8. If data of this command is common for all tenants (ASYDN command, SYS1, Index 800, b4=1), assign TN parameter as data “1” for all tenants.
2. After an Outgoing Route Selection Pattern Number (OPR) has been assigned in this command, it is necessary to assign the LCR routing pattern/six digits routing pattern by the AOPRN/ASDCN command respectively.
3. The Access Code (AC) may or may not be included in the Number Pattern Code (NPC) depending upon the assignment of AC parameter by the ARTDN command. If “0” is assigned, the Access Code is not included. If “1” is assigned, the Access Code must be included.
4. Assign the Dummy Route Number in the LGRT parameter.
5. When assigning such a number as shown below to parameter NPC, enter “T” code to the end digit of NPC.

Example:

When assigning 90 and 900 to NPC:

<u>Number</u>	<u>Input Number for NPC</u>	<u>OPR</u>
90	90T	X
900	900	Y

6. By changing the system data, you can reduce the amount of registered data for the AFRSN command, and the office data consumption. For details, see 2.3 Reduction of Data Consumption of the AFRSN command, CHAPTER 5 DATA PROGRAMMING of Data Programming Manual - FCCS.

3. Data Entry Instructions

TN: Tenant Number [1-63]

LGRT: Logical Route Number [1-899]

Dummy route number assigned by the ASPAL/ASPAN command.

NPC: Number Pattern Code [Maximum 16 digits]

NPC is the Toll Distinctive Code (TDC), NPA and or NXX. This data may include the Access Code for LCR/LCRS.

MA-ID: Message Area ID [4 digits (0-9999)]

After marking the above checkbox, enter desired MA-ID if necessary. Existing data can be read out by pressing the GET button.

OPR: Outgoing Route Selection Number [0-4000]

The OPR is an intermediate step. To assign the AOPRN command, arbitrary number may be entered with a range of 1 to 4000. (OPR 0 is used for number not dialed in the network.)

AREA NAME: [Maximum 16 digits]

By entering the above MA-ID parameter, the corresponding Area Name assigned by AMAIN is displayed.

4. Data Sheet

TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT)	NUMBER PATTERN CODE (NPC) MAXIMUM 16 DIGITS	Message Area ID (MA-ID) 0000 – 9999	REMARKS

[illegible]

AFRT : Assignment of FCCH Controlled Connection Route Data for LDM

1. General

This command assigns the connection route controlling connection trunks for each FCCH number.

2. Precautions

1. Before executing this command, confirm that the following assignments have already been completed:
 - (a) The FCCH number has been assigned by the AFCH command.
 - (b) The Connection Route data has been assigned by the ACRD command.
2. The maximum alternative connection routes for one FCHN (FCCH number) is eight.
3. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

FCHN: FCCH Number [1-255]

A unique number allocated to the FCH at each node.

C_RT: Connection Route [1-1023]

Connection Route assigned for B-Channel by the ACRD command. Maximum of eight alternative routes can be assigned per FCHN.

4. Data Sheet

[illegible]

AGIP: Assignment of Default Gateway IP Address Data for LDM

1. General

This command is used to assign/delete the IP address allocated to FGH/IPTRK/PHG and IP address of the Router dedicated to each circuit card.

2. Precautions

1. Enter the LENS data of FGH/IPTRK/PHG card, and the existing data is displayed by clicking the GET button if already assigned. If no data has been allocated to the input LENS, assign the necessary data, such as IP address, Net Mask, etc.
2. Modifying the existing data cannot be executed by this command. First delete the existing data, then reassign the new data.

3. Data Entry Instructions

LENS: Line Equipment Numbers

Enter the Line Equipment Numbers of the FGH/IPTRK/PHT card. The existing data can be read out by pressing the GET button.

KIND: Kind of Selection

FGH

IPTRK (CCIS)

IPTRK (FCCS) **Note 1**

IPTRK (H.323) (Not used)

PHC (CCIS)

Internal PHC (CCIS)

Note 1: FCCS Networking via IP (by IPTRK) is available only for a migrated system from IPX and SV7000.

◆ When KIND=FGH is selected:

FGH_IP: FGH IP Address

DG_IP: IP Address for Default Gateway

Enter the IP address of the router.

NETMSK: Net Mask of IP Address

CONTTYP: Voice Channel Control Type

Select either, CLIENT or SERVER.

LINK_NUM: QSIG-Prime Link Number [0-32]

0= -

1-32=Q.SIG Prime Link

ARP: Frame Type of ARP

Select the frame type of ARP, when “Detail” check box is checked.

IEEE

DIX (standard setting)

CSLINK_NUM: Client/Server Connection Maximum Number

Select the maximum number of client/server connections.

4 line

8 line

16 line

24 line

32 line

64 line

96 line

128 line

192 line

255 line

Note: When KIND=FGH is selected, connections are possible to a maximum of 16 links at the same time.

◆ When KIND=IPTRK (CCIS) is selected:

IPTRK_IP: IP Address of IPTRK**DG_IP: IP Address of Default Gateway**

Enter the IP address of the router.

NETMSK: Net Mask of IP Address**ToS Control**

Select either, IP Precedence/DiffServ.

QoS 1: QoS Data for Signal Route [0-7/0x00-0x3F]

0-7: When IP Precedence is selected.

0x00-0x3F: When DiffServ is selected.

QoS 2: QoS Data for Speech Path [0-7/0x00-0x3F]

0-7: When IP Precedence is selected.

0x00-0x3F: When DiffServ is selected.

MULT: Kind of Multi Connection

Point-to-Point

Point-to-Multipoint

DSTIP: IP Address of Destination IPTRK

Enter the IP address of destination IPTRK.

(This parameter appears only when MULT=Point-to-Point.)

IRT: Incoming Route

Maximum eight routes can be assigned.

(This parameter appears only when MULT=Point-to-Multi point.)

NETID: Network ID [0-15]**ARP: Frame Type of ARP**

Select the frame type of ARP, when “Detail” check box is checked.

IEEE

DIX (standard setting)

CSLINK_NUM: Client/Server Connection Maximum Number

Select the maximum number of client/server connections.

8 line

16 line

24 line

32 line

64 line

96 line

128 line

192 line

255 line

Note: When KIND=IPTRK (CCIS) is selected, connections are possible to a maximum of 48 links at the same time.

RTP

Check the “RTP” check box for detail assignment. (Usually default data “0” is set for all the parameters.)

PKTLOSS: Amount of Packet Loss [0%-100%]

JIT_MAX: Maximum Jitter Buffer [0-60 × 10 millisecond]

JIT_MIN: Minimum Jitter Buffer [0-60 × 10 millisecond]

MNGS: Interval of Jitter adjustment [0-255 times]

JIT_COUNT: Interval of Jitter statistics [0-255 seconds]

BASE_COUNT: Interval of Time-base correction [0-255 seconds]

JIT_FAST: Judging rate of fast arrived packet [0-100%]

TIME_FAST: Time-base correction Judgment [0-100%]

◆ When KIND=IPTRK (FCCS) is selected:

IPTRKIP: IP Address of IPTRK**DG_IP: IP Address of Default Gateway**

Enter the IP address of the router.

NETMSK: Net Mask of IP Address**ToS Control**

Select the either, IP Precedence/DiffServ.

QoS 1: QoS Data for Signal Route [0-7/0x00-0x3F]

0-7: When IP Precedence is selected.

0x00-0x3F: When DiffServ is selected.

QoS 2: QoS Data for Speech Path [0-7/0x00-0x3F]

0-7: When IP Precedence is selected.

0x00-0x3F: When DiffServ is selected.

NETID: Network ID [0-15]**ARP: Frame Type of ARP**

Select the Frame type of ARP, when “Detail” check box is checked.

IEEE

DIX (standard setting)

CSLINK_NUM: Client/Server Connection Maximum Number

Select the maximum number of client/server connections.

4 line

8 line

16 line

24 line

32 line

48 line

64 line

96 line

128 line

192 line

255 line

Note: When KIND=IPTRK(FCCS) is selected, connections are possible to a maximum of 48 links at the same time.

RTP

Check the “RTP” check box for detail assignment. (Usually default data “0” is set for all the parameters.)

PKTLOSS: Amount of Packet Loss [0%-100%] 0=8% (default)

JIT_MAX: Maximum Jitter Buffer [0-60 × 10 millisecond] 0=600 millisecond (default)

JIT_MIN: Minimum Jitter Buffer [0-60 × 10 millisecond] 0=80 millisecond (default)

MNGS: Interval of Jitter adjustment [0-255 times] 0=5 times (default)

JIT_COUNT: Interval of Jitter statistics [0-255 second] 0=1 second (default)

BASE_COUNT: Interval of Time-base correction [0-255 second] 0=10 second (default)

JIT_FAST: Judging rate of fast arrived packet [0-100%] 0=100% (default)

TIME_FAST: Time-base correction Judgment [0-100%] 0=50% (default)

◆ When KIND=PHC (CCIS) is selected:

PHG_IP: IP Address of PHT Card

DG_IP: IP Address of Default Gateway

Enter the IP address of router.

NETMSK: Net Mask of IP Address

ToS Control

Select either of the radio buttons depending on the connected router:

IP Precedence

DiffServ

QoS1: QoS Data for Signal Route [0-7/0x00-0x3F]

When IP Precedence is selected in ToS Control, assign the QoS1 within the range of 0-7.

When DiffServ is selected in ToS Control, assign the QoS1 within the range of 0x00-0x3F.

IRT: Incoming Route

Maximum 8 routes can be designated.

NETID: Netmask ID [0-15]

ARP: Frame Type of ARP

If the check box “Detail” is checked to ON, select either of the radio buttons:

IEEE

DIX (standard setting)

CSLINK_NUM: Client/Server Connection Maximum number

Select the maximum number of client/server connections in the combo box.

4 line

8 line

16 line

24 line

32 line

48 line

64 line

96 line

128 line

192 line

255 line

Note: When KIND=PHC (CCIS) is selected, connections are possible to a maximum of 252 links at the same time.

◆ When KIND=Internal PHC(CCIS) is selected:

ToS Control

Select either of the radio buttons depending on the connected router:

IP Precedence

DiffServ

QoS1: QoS Data for Signal Route [0-7/0x00-0x3F]

When IP Precedence is selected in ToS Control, assign the QoS1 within the range of 0-7.

When DiffServ is selected in ToS Control, assign the QoS1 within the range of 0x00-0x3F.

IRT: Incoming Route

Maximum 8 routes can be designated.

NETID: Netmask ID [0-15]

ARP: Frame Type of ARP

If the check box “Detail” is checked to ON, select either of the radio buttons:

IEEE

DIX (standard setting)

CSLINK_NUM: Client/Server Connection Maximum number

Select the maximum number of client/server connections in the combo box.

4 line

8 line

16 line

24 line

32 line

48 line

64 line

96 line **Note 2, Note 3**

128 line **Note 2, Note 3**

192 line **Note 2, Note 3**

252 line **Note 2, Note 3**

Note 2: When Expansion of Links to Internal PHC is enabled (ASYDL System Data 1, Index 1020, Bit 7=1), this parameter is available.

Note 3: Expansion of Links to Internal PHC is available for FP95-112 V2 or later.

4. Data Sheet

When KIND=FGH is selected:

[illegible]

When KIND=IPTRK (CCIS) is selected:

LINE EQUIPMENT NUMBERS (LENS)			KIND OF SELECTION (KIND)	IP ADDRESS OF IPTRK (IPTRKIP)	IP ADDRESS OF DEFAULT GATEWAY (DG_IP)	NET MASK OF IP ADDRESS (NETMSK)	ToS CONTROL	QoS DATA FOR SIGNAL ROUTE (QoS 1) 0-7/0x00-0x3F	QoS DATA FOR SPEECH PATH (QoS 2) 0-7/0x00-0x3F
MG	U	G							
			IPTRK (CCIS)						

KIND OF MULT CONNECTION (MULT) PVC/SVC	IP ADDRESS OF DESTINATION IPTRK (DSTIP)	INCOMING ROUTE (IRT)								NETWORK ID (NETID) 0-15	FRAME TYPE OF ARP (ARP)	CLIENT/SERVER CONNECTION MAXIMUM NUMBER (CSLINK_NUM)
		1	2	3	4	5	6	7	8			

When KIND=IPTRK (CCIS) is selected (Continued):

[illegible]

When KIND=IPTRK (FCCS) is selected:

[illegible][illegible]

When KIND=PHC (CCIS) is selected:

[illegible][illegible]

INCOMING ROUTE (IRT)								NETWORK ID (NETID) 0-15	FRAME TYPE OF ARP (ARP) [IEEE/DIX]	CLIENT/SERVER CONNECTION MAXIMUM NUMBER (CSLINK_NUM)
1	2	3	4	5	6	7	8			

When KIND=IPHC (CCIS) is selected:

[illegible][illegible]

INCOMING ROUTE (IRT)								NETWORK ID (NETID) 0-15	FRAME TYPE OF ARP (ARP) [IEEE/DIX]	CLIENT/SERVER CONNECTION MAXIMUM NUMBER (CSLINK_NUM)
1	2	3	4	5	6	7	8			

AHLS: Assignment of Hot Line Station

1. General

This command assigns the data related to the Hot Line service feature.

2. Precautions

1. Prior to assigning this command, the Hot Line station should be given the TEC=14 (Hot Line class) by the ASDT/AAST command. Additionally, TEC=13 (Data Terminal via Dterm) and TEC=18 (Virtual Line Appearance) can also be applied to the Hot Line service.
2. To delete the station that applied Hot Line service, delete the Hot Line data using the AHLS command prior to deleting the station number by the ASDT/AAST command.
3. When the Hot Line destination is the outside party, assign the Abbreviation Digit Code (ADC) of the speed calling number using the ASPD command.

3. Data Entry Instructions

HOT TN: Hotline Tenant Number [1-63]

Enter the tenant number of the Hot Line station.

HOT STN: Hotline station number [Maximum six digits]

TYPE: Connection type [1-3]

1=Station

2=Outside party (ADC)

3=Trunk Line

◆ When TYPE=1 (Station) is selected:

CON TN: Destination Tenant Number [1-63]

Enter CON TN/STN data.

CON STN: Destination station number [Maximum six digits]

Enter CON TN/STN data.

◆ When TYPE=2 (Outside party (ADC)) is selected:

CON ADC: Speed Calling code [Maximum four digits]

Enter ADC. The ADC should be assigned by the ASPD command.

◆ When TYPE=3 (Trunk Line) is selected:

CON RT: Destination Route Number [1-255]

Enter CON RT data.

CON TK: Destination Trunk Number [1-255]

Enter CON TK data.

4. Data Sheet

(a) Connection Type: Station (Type=1)

[illegible]

(b) Connection Type: Abbreviated Digit Code (ADC) (Type=2)

[illegible]

(c) Connection Type: Trunk Line Appearance (Type=3)

[illegible]

AHLSN: Assignment of Hot Line Station for NDM

1. General

This command assigns the data related to the Hot Line service feature. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Prior to assigning this command, the Hot Line station should be given the TEC=14 (Hot Line class) using the ASDT command. Additionally, TEC=13 (Data Terminal via Dterm) and TEC=18 (Virtual Line Appearance) can also apply the Hot Line service.
2. To delete the station that applied Hot Line service, delete the Hot Line data using this command prior to deleting the station number using the ASDT command.
3. When the Hot Line destination is the outside party, assign the Abbreviation Digit Code (ADC) of the speed calling number using the ASPD command.
4. PS cannot be designated as the Hot Line station.

3. Data Entry Instructions

HOT UGN: Hotline User Group Number [1-255]

HOT TELN: Hotline Telephone Number [Maximum 16 digits]

TYPE: Connection Type [1-3]

1=Station

2=Outside party (ADC)

3=Trunk Line

◆ When TYPE=1 (Station) is selected:

CON UGN: Destination Station's User Group Number [1-255]

Enter CON UGN data.

CON TELN: Destination Telephone Number [Maximum 16 digits]

Enter the connected party's telephone number.

- ◆ When TYPE=2 (Outside party (ADC))

CON ADC: Speed Calling Code [Maximum four digits]

The ADC should be assigned by the ASPD command.

- ◆ When TYPE=3 (Trunk Line) is selected:

CON LGRT: Opposite Party's Logical Route Number [1-899]

Enter CON LGRT data.

CON TK: Trunk Number [1-255]

Enter CON TK data.

AHMS: Assignment of Music-on-Hold Data

1. General

This command is used when a trunk provides Extended Hold Music and Multiple Music-on-Hold. The data for accommodation of Extended Hold Music source (LENS of DAT card), trunk route hold music is sent out, and Tenant Number is assigned by this command.

2. Precautions

- The following two types of settings for hold music are provided; a) Extended Hold Music and b) Multiple Music-on-Hold. Except for the case when normal Extended Hold Music has been already specified, typically set to the Multiple Music on-Hold service.
- It is required to assign the system data before assigning this command. (This command is invalid when the system data has not been assigned.)

(a) for Extended Hold Music

ASYD, SYS1, Index 42, b3=1 (Extended Hold Music is in service)

ASYD, SYS1, Index 251, b7=0 (Multiple Music-on-Hold is out of service)

(b) for Multiple Music-on-Hold

ASYD, SYS1, Index 42, b3=0 (Extended Hold Music is out of service)

ASYD, SYS1, Index 251, b7=1 (Multiple Music-on-Hold is in service)

- The displayed parameter differs depending on the system data and selected TYPE/KIND in this command. See the table below for the required setting and range of data in each service.

PARAMETER	Extended Hold Music		Multiple Music-on-Hold			
	1	2	1		2	
TYPE	1	2	1		2	
KIND	2 Note 1	-	1	2	3	-
TN	-	-	1-63	-	1-63	-
RT	1-255	-	-	1-255	1-255	-
HMSC	0-15	0-15	0-63	0-63	0-63	0-63
STA	-	-	0/1	-	-	-
LENS	-	Note 2	-	-	-	Note 2

Note 1: When Extended Hold Music is assigned in system data, KIND=2 must be set.

Note 2: Assign the LENS of DAT card used as the hold music source. The DAT card accommodation should be assigned by the ATRK command.

- The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

(a) Assignment for Extended Hold Music:

TYPE: Operation Type

Extended Hold Music

Sound Source LENS

KIND: Operation Kind

Fixed to “Route Number of Held trunk”.

Note: When “Sound Source LENS” was checked in TYPE this parameter is not displayed.

RT: External Route Number [1-255]

External Route Number of DAT which provides the external hold music source.

Note: When “Sound Source LENS” was checked in TYPE this parameter is not displayed.

HMSC: Extended Hold Music Data [0-63] Note 1

A DAT card is required for the Extended Hold Music feature. The mounting location of DAT card is previously specified by system data as follows.

Note: Trunk circuit cards (except LC card) cannot be mounted in the LENS described in this parameter.

HMSC	LENS of DAT	HMSC	LENS of DAT
0	000050	8	001050
1	000070	9	001070
2	000090	10	001090
3	000110	11	001110
4	000130	12	001130
5	000150	13	001150
6	000170	14	001170
7	000190	15	001190

Note 1: The LENS of Music-on-Hold for HMSC parameter needs to be assigned when TYPE = Sound Source LENS.

LENS: Line Equipment Numbers

Enter the LENS of the DAT card used as the hold music source.

(b) Assignment for Multiple Music-on-Hold:

TYPE: Operation Type

Extended Hold Music

Sound Source LENS

KIND: Operation Kind

Tenant Number of Holding Station

Route Number of Held Trunk

Tenant Number of Holding Station and Route Number of Held Trunk

Note: When “Sound Source LENS” was checked in TYPE this parameter is not displayed.

TN: Tenant Number

This parameter is required for KIND=1 or KIND=3.

RT: External Route Number [1-255]

External Route Number of DAT which provides the external hold music source. (Required for KIND=“Route Number of Held Trunk” or KIND=“Tenant Number of Holding Station and Route Number of Held Trunk”)

HMSC: Extended Hold Music Data [0-63] Note 3

Music-On-Hold data.

Specified Music on Hold is Sent to Station Note 4

ON / OFF (required when KIND = Tenant Number of Holding Station.

Note 3: The LENS of Music-on-Hold for HMSC parameter needs to be assigned when TYPE = Sound Source LENS.

Note 4: When “Tenant Number of Holding Station” has been checked in KIND, this parameter is displayed.

LENS: Line Equipment Numbers

Enter the LENS of the DAT card used as the hold music source.

4. Data Sheet

(a) Extended Hold Music:

OPERATION TYPE (TYPE)	OPERATION KIND (KIND)	EXTERNAL ROUTE NUMBER (RT) 1-255	EXTENDED HOLD MUSIC DATA (HMSC) 0-63	REMARKS
1	2			

OPERATION TYPE (TYPE)	EXTENDED HOLD MUSIC DATA (HMSC) 0-15	LINE EQUIPMENT NUMBERS (LENS)				REMARKS
		MG	U	G	LV	
2						

(b) Multiple Music-on-Hold

OPERATION TYPE (TYPE)	OPERATION KIND (KIND) 1-3	TENANT NUMBER (TN)	EXTERNAL ROUTE NUMBER (RT)	EXTENDED HOLD MUSIC DATA (HMSC) 0-63	SPECIFIED MUSIC ON HOLD IS SENT TO STATION	REMARKS
1						

OPERATION TYPE (TYPE)	EXTENDED HOLD MUSIC DATA (HMSC) 0-63	LINE EQUIPMENT NUMBERS (LENS)				REMARKS
		MG	U	G	LV	
2						

AICD: Assignment of Intercom Data

1. General

This command assigns the data related to the Automatic/Manual Intercom service feature.

2. Precautions

1. Up to 16 stations may be assigned to one Intercom Group.
2. Only Desktop terminal(s) can have the Automatic/Manual Intercom service feature applied.
3. A maximum number of Intercom Groups within a Module Group (MG) is 50 groups, and each group is given a unique Group ID Number (G-ID).
4. Prior to this command, ASYD command, SYS1, Index 59, b7=1 (Automatic/Manual Intercom is in service) is required.
5. After the appropriate data has been assigned by this command, assign the AKYD command as follows:
KYI=2, KD=1, ICM=0 (Automatic Intercom key)
KYI=2, KD=1, ICM=1 (Manual Intercom key)
If the SIG key is required for Manual Intercom service feature, KYI=1, FKY=60 (Manual Signaling key).
6. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
7. When deleting an Intercom member station away from the Intercom Group, first delete the data assigned by the AKYD command. Then delete the data assigned by this AICD command.
8. An Intercom member can override another Intercom station in a two-party Intercom connection. This kind of overriding is referred to as an INTERCOM BRIDGE.

3. Data Entry Instructions

MG No.: Module Group number [00-07]

Enter the Module Group number of the Intercom Group.

G-ID: Group ID number [1-50]

Enter a unique number for each Intercom Group with a range of 1 to 50.

A/M: Auto/Manual signaling [A/M]

A=Automatic Intercom

M=Manual Intercom

BCR: Bridge Call Restriction [0/1]

0=Restricted

1=Allowed

TN: Tenant Number [1-63]

Enter the Tenant Number of the Intercom Group.

ICM STN: Intercom station number [Maximum six digits]

Enter the Intercom member stations which can originate an Intercom call.

SIG STN: Signaling station number [Maximum six digits]

Enter the Intercom member stations which can receive an Intercom call.

4. Data Sheet

MODULE GROUP NUMBER (MG No.)	GROUP ID NUMBER (G-ID) 1-50	AUTO/MANUAL SIGNALING (A/M) 0/1	BRIDGE CALL RESTRICTION (BCR) 0/1	TENANT NUMBER (TN)	NO.	INTERCOM STATION NUMBER (ICMSTN)	SIGNALING STATION NUMBER (SIGSTN)
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		

AICD_T: Assignment of Intercom Data – Telephone Number

1. General

This command is used to assign the data related to the Automatic/Manual Intercom service feature. The station data of AICD command can be assigned by using a Telephone Number.

2. Precautions

1. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. Up to 16 stations may be assigned to one Intercom Group.
4. Only Desktop terminal(s) can have the Automatic/Manual Intercom service feature applied.
5. A maximum number of Intercom Groups within a Module Group (MG) is 50 groups, and each group is given a unique Group ID Number (G-ID).
6. Prior to this command, ASYD command, SYS1, Index 59, b7=1 (Automatic/Manual Intercom is in service) is required.
7. After the appropriate data has been assigned by this command, assign the AKYD command as follows:
 KYI=2, KD=1, ICM=0 (Automatic Intercom key)
 KYI=2, KD=1, ICM=1 (Manual Intercom key)

 If the SIG key is required for Manual Intercom service feature, KYI=1, FKY=60 (Manual Signaling key).
8. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
9. When deleting an Intercom member station away from the Intercom Group, first delete the data assigned by the AKYD command. Then delete the data assigned by this (AICD_T) command.
10. An Intercom member can override another Intercom station in a two-party Intercom connection. This kind of overriding is referred to as an INTERCOM BRIDGE.

3. Data Entry Instructions

MG No.: Module Group Number [00-07]

Enter the Module Group number of the Intercom Group.

G-ID: Group ID Number [1-50]

Enter unique number for each Intercom Group with a range of 1 to 50.

Note: The existing data can be read out by pressing the GET button after MG number. and G-ID data is entered.

A/M: Auto/Manual Signaling

- Automatic Intercom
- Manual Intercom

BCR: Bridge Call Restriction

- Restricted
- Allowed

TN: Tenant Number [1-63]**UGN: User Group Number [1-255]****ICMCT: Number of Intercom Station [1-16]****ICM TELN: Telephone Number of Intercom Station [Maximum 16 digits] Note 1**

Enter the Telephone Number of the Intercom member stations which can originate an Intercom call.

SIG TELN: Telephone Number of Signaling Station [Maximum 16 digits] Note 1

Enter the Telephone Number of the Intercom member stations which can receive an Intercom call.

Note 1: When the existing Intercom Station is assigned only by station number, UGN data is not displayed on the list. Allocate the Telephone numbers to all the Intercom stations.

4. Data Sheet

MODULE GROUP NUMBER (MG No.) 00-07		GROUP ID NUMBER (G-ID) 1-50	AUTO/MANUAL SIGNALING (A/M)	BRIDGE CALL RESTRICTION (BCR)	TENANT NUMBER (TN)	USER GROUP NUMBER (UGN)
ICMCT	TELEPHONE NUMBER OF INTERCOM STATION (ICM TELN) MAXIMUM 16 DIGITS			TELEPHONE NUMBER OF SIGNALLING STATION (SIG TELN) MAXIMUM 16 DIGITS		
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
MG No. 00-07	G-ID 1-50	A/M	BCR	TN	UGN	
ICMCT	ICM TELN MAXIMUM 16 DIGITS			SIG TELN MAXIMUM 16 DIGITS		
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

AIEA: Assignment of Expanded Speed Calling Entry Area

1. General

This command designates the station type (MST or SLV) and the number of memory blocks to be used for the Expanded Speed Calling Group/Station.

2. Precautions

1. One Expanded Speed Calling - Station memory can be assigned a maximum of 24 digits for the speed dial number (including access codes and pauses).
2. One BLOCK consists of ten Expanded Speed Calling - Station memories.
3. A maximum of 1400 BLOCKs can be registered per LP. Individual Expanded Speed Calling Group can hold up to 10 BLOCKs.
4. The applicable Tenant Number (TN) range is designated by the ASYD, SYS1, Index 8.
5. The MST station user can register the expanded speed dial number and also originate a speed dial call.
6. The SLV station user can originate an expanded speed dial call, but expanded speed dial number registration is not available. The expanded speed dial number registration is set by the MST station.
7. The MST station and SLV stations in a group must be in the same LP.
8. The AIED command allows the maintenance person to register the expanded speed dial number.
9. When assigning the individual speed calling entry block of the Attendant Console, use the Specific Attendant Number previously assigned in the ASAT command.
10. To assign the individual speed calling entry area, consecutive vacant blocks are required for the number of entry blocks. (If the block number is frequently modified/deleted, consecutive vacant block area would not be obtained and assignment error may occur even if the block number has not exceeded 1400 in an LP.)

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six digits (0-9, #, *)]

STATION TYPE: Station type

1 : MST(Master Station)

Station in Primary Mode

2 : SLV(Slave Station)

Station in Secondary Mode

BLOCK: Number of Blocks [1-10]

During assignment, the BLOCK parameter is displayed when Station Type = MST(Master Station).

MST STN: MST station number [Maximum six digits (0-9, #, *)]

The MST STN parameter is displayed when Station Type = SLV(Slave Station).

ATT: Attendant [1-3] (Display Only)

1 : ATT

2 : NATT

3 : -

4. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	STATION TYPE MST/SLV	NUMBER OF BLOCKS (BLOCK) 1 – 10	STATION TYPE MST/SLV	MST STATION NUMBER (STN) (Master Station Number of the Same Speed Calling Group)		
		MST		SLV			

AIECL: Assignment of IP Service Echo Canceler Data for LDM

1. General

This command is used to assign, modify, and delete the Echo Canceler data for IP services. This data is written in the Local Data Memory (LDM).

2. Precautions

1. This command is valid when IPTRK service software is programmed.
2. If NODE parameter is restricted, this command cannot be used.

3. Data Entry Instructions

TERMINAL A [NODE/IPG]

Click the required check box according to each terminal, then enter the data in NODE/IPG parameter.

NODE: Node Number [Maximum three digits (0-9, *, #, P)]

Node Number on which IPTRK card is accommodated.

IPG: Group Number of IP Station [0-127]

TERMINAL B [RT/TEC/C_RT/NODE/IPG]

Click the required check box according to each terminal. Then assign the data in RT/TEC/C_RT/NODE/IPG parameter.

RT: Route Number of the Trunk [1-255, 901-947(not used now)]

TEC: Telephone Equipment Class of the Station [1-4, 12, 14, 23, 26-28]

C_RT: Connection Route Number [1-1023]

NODE: Node Number [Maximum three digits (0-9, *, #, P)]

Node Number where IPTRK card is accommodated.

IPG: IPELC Group Data [0-127]

EC: Echo Canceler Control Type

Select the Echo Canceler Control Type from the following patterns.

Pattern 1 → A EC-ON/B EC-ON

Pattern 2 → A EC-ON/B EC-OFF

Pattern 3 → A EC-OFF/B EC-ON

Pattern 4 → A EC-OFF/B EC-OFF

Note: According to the combination of Terminal A and Terminal B, required parameters vary as shown in the table below.

	TERMINAL A		
		NODE	IPG
	RT	I	I
	TEC	II	II
	C_RT	III	III
	NODE	III	-
	IPG	III	III

I: In case of external trunk, the conditions are the same as III.

For internal trunk, either Pattern 2 or 4 can be selected.

II: Either Pattern 2 or 4 can be selected.

III: Any pattern can be assigned.

4. Data Sheet

[illegible]

AIECN: Assignment of IP Service Echo Canceler Data for NDM

1. General

This command is used to assign, modify, and delete the Echo Canceler data for IP services. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command is valid when IPTRK service software is programmed.
2. If NODE parameter is restricted, this command cannot be used.

3. Data Entry Instructions

TERMINAL A [NODE/IPG]

Click the required check box according to each terminal, then assign the data in NODE/IPG parameter.

NODE: Node Number [Maximum three digits (0-9, *, #, P)]

Node Number on which IPTRK card is accommodated.

IPG: Group Number of IP Station [0-127]

TERMINAL B [LGRT/TEC/NODE/IPG]

Click the required check box according to each terminal. Then assign the data in LGRT/TEC/C_RT/NODE/IPG parameter.

LGRT: Logical Route Number of the Trunk [1-255, 901-947 (not used now)]

TEC: Telephone Equipment Class of the Station [1-4, 12, 14, 23, 26-28]

NODE: Node Number [Maximum three digits (0-9, *, #, P)]

Node Number on which IPTRK card is accommodated.

IPG: IPELC Group Data [0-127]

EC: Echo Canceler Control Type

Select the Echo Canceler Control Type from the following patterns.

Pattern 1 → A EC-ON/B EC-ON

Pattern 2 → A EC-ON/B EC-OFF

Pattern 3 → A EC-OFF/B EC-ON

Pattern 4 → A EC-OFF/B EC-OFF

	TERMINAL A		
		NODE	IPG
	LGRT	I	I
	TEC	II	II
	NODE	I	-
	IPG	I	I

I: Any pattern in parameter EC can be assigned.

II: Either Pattern 2 or 4 can be selected.

4. Data Sheet

[illegible]

AIED: Assignment of Expanded Speed Calling Data

1. General

This command assigns the expanded speed dial number (of the Speed Calling - Station service feature) for a station, instead of a Master station user's registration. This command also allows a maintenance person to monitor present user settings.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD, SYS1, Index 8.
2. The station number (STN) specified in this command should be assigned as a master station (MST) in the AIEA command.
3. The data range for the SPD parameter in this command varies depending on the number of memory blocks assigned in the AIEA command. (One memory block contains ten memories that store ten different speed dialing numbers.)
4. If one block is assigned, the Speed Calling Digit Code (SPD) will be digits 00-09. If two blocks are assigned, the SPD will be digits 00-19. If three blocks are assigned, the SPD will be digits 00-29, and so on, up to a maximum of 10 blocks with the SPD digits being 00-99.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six digits (0-9, #, *)]

Assign the station number designated as a master station (Station Type = MST(Master Station)) in the AIEA command.

SPD: Speed Calling Digit Code [00-99]

When assigning the parameter BLOCK = 1 in the AIEA command, assign any data in the range of 00-09 to this parameter.

When assigning the parameter BLOCK = 2 in the AIEA command, assign any data in the range of 00-19 to this parameter, and so on, up to BLOCK = 10 with the data range being 00-99.

TEL: Telephone Number [Maximum 24 digits]

The dial number to be transmitted by the system when a station user dials the Expanded Speed Calling - Station Access Code + SPD (including access codes and pauses).

4. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	SPEED CALLING DIGIT CODE (SPD) 00 – 99	TELEPHONE NUMBER (TEL) MAXIMUM 24 DIGITS

AIIL: Assignment of ISDN International Incoming ICPT Transfer

1. General

This command assigns CCIS access code and Individual Attendant Number by specifying Tenant and Route Number.

2. Precautions

None

3. Data Entry Instructions

TN: Tenant Number

Enter the Tenant Number.

RT/LGRT: Route Number/Logical Route Number

Enter the Route Number or Logical Route Number

Type: Trunk Line/Abbreviated Digit Code

Select Outside or ADC.

DC: Destination Code (DC: Destination Code (When “Outside” is selected for [Type])

Enter the Destination Code.

ADC: Abbreviated Digit Code (When “ADC” is selected for [Type])

Enter the Abbreviated Digit Code.

4. Data Sheet

[illegible]

AINDL: Assignment of Incoming Necessary Digits Data for LDM

1. General

This command is used to determine the necessary maximum digits for overlap receiving. The data is written in Local Data Memory (LDM).

2. Precautions

- The system follows the setting of Maximum Necessary Digits (MND) and Number of Digits for Development (DC) in the priority order below.

<u>MND</u>	<u>DC</u>	HIGH
AINDN	AINDN	
AINDL	AINDL	
AMNDN	ARTDN	
AMNDL	ARTD	
AMND		
		LOW

1. When the same data is assigned to Tenant Number (TN) and Type of Number (TON) for two or more destinations by the AINDL command, do not assign Incoming Number Pattern Code (INPC) starting with the same number.
2. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 802, b2=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number [0-63]

Enter the Tenant Number of the Necessary Digits data to be applied.

TON: Type of Number

Enter the Type of Number for the Necessary Digits data to be applied.

- 0: Unknown
- 1: International Number
- 2: National Number
- 3: Network Specific Number
- 4: Subscriber Number
- 6: Abbreviated Number

INPC: Incoming Number Pattern Code [Maximum 16 Digits]

Enter the Incoming Number Pattern Code of the Necessary Digits data to be applied.

MND: Maximum Necessary Digits [1-32 Digits]

Enter the Maximum Necessary Digits data.

Note: MND consists of SETUP message and INFO message.

Note: MND = 0 is reserved for incoming calls made in a bundle.

DC: Number of Digits for Development [0-15 Digits]

Enter the Number of Digits for Development for the Necessary Digits proceeded when the call is terminated.

0:	Direct-In Termination (DIT)
1-14:	1-14 digits
15:	All digits

4. Data Sheet

[illegible]

AINDN: Assignment of Incoming Necessary Digits Data for NDM

1. General

This command is used to determine the necessary maximum digits for overlap receiving. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN) updating the NDM at each Local Node (LN).

2. Precautions

- The system follows the setting of Maximum Necessary Digits (MND) and Number of Digits for Development (DC) in the priority order below.

<u>MND</u>	<u>DC</u>	HIGH
AINDN	AINDN	
AINDL	AINDL	
AMNDN	ARTDN	
AMNDL	ARTD	
AMND		
		LOW

- When the same data is assigned to Tenant Number (TN) and Type of Number (TON) for two or more destinations by the AINDN command, do not assign Incoming Number Pattern Code (INPC) starting with the same number.
- If the numbering plan is common for all tenants (ASYDN command, SYS1, Index 802, b2=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

TN: Tenant Number [0-63]

Enter the Tenant Number of the Necessary Digits data to be applied.

TON: Type of Number

Enter the Type of Number for the Necessary Digits data to be applied.

- 0: Unknown
- 1: International Number
- 2: National Number
- 3: Network Specific Number
- 4: Subscriber Number
- 6: Abbreviated Number

INPC: Incoming Number Pattern Code [Maximum 16 Digits]

Enter the Incoming Number Pattern Code of the Necessary Digits data to be applied.

MND: Maximum Necessary Digits [1-32 Digits]

Enter the Maximum Necessary Digits data.

Note: MND consists of SETUP message and INFO message.

Note: MND = 0 is reserved for incoming calls made in a bundle.

DC: Number of Digits for Development [0-15 Digits]

Enter the Number of Digits for Development for the Necessary Digits proceeded when the call is terminated.

0:	Direct-In Termination (DIT)
1-14:	1-14 digits
15:	All digits

4. Data Sheet

[illegible]

AIOC: Assignment of IOC Port Data

1. General

This command assigns the I/O port attribution data.

2. Precautions

1. When the I/O port attribution is changed, the IOC card is initialized.
2. Various parameters appear on the display according to the data in the TERMINAL parameter.
3. When the Telephony Server is connected to LAN, it is necessary to set IOC=0, TERMINAL=2, and SYMSCAN=1 when system messages are collected automatically.
4. Note the following information for the UMGi/RNIP system.
 - If the command is assigned from a CCN to an RN operating in survival mode, the data will not be applied until the RN transits to normal mode.
 - The command is available only for the PCPro logging in to a CCN, but not an RN.

3. Data Entry Instructions

Note: MAT stated in the parameters listed below indicates PCPro.

NODE: Select Node [0-1] Note 1

0=CCN

1=LP

LP No.: LP Number [0-31] Note 1, Note 2

Note 1: This parameter is displayed only when PCPro logs in to a CCN of a UMGi system.

Note 2: This parameter is displayed only when NODE = 1.

IOC: IOC Port Number [0-7]

IOC port number (0 or 1 card is specified by IOC switch settings, IOC 0 card has port number 0 through 3, IOC 1 has port number 4 through 7).

TERMINAL: Terminal Kind [0-10]

0=Not used

1=Printer/MCI

2=MAT

3=CMAT (*Not used*)

4=SMDR(Free wheeling) **Note 3**

5=SMDR(BSC)

6=ATM module

7=PMS

8=H/M Printer

9=ATT0
10=ATT1

Note: 7~10 is available for Hotel System.

Note 3: If connecting SMDR via a modem, set the modem to asynchronous synchronization.

◆ **TERMINAL=1 (Printer/MCI)**

SPEED [0-6]

0=Default (4800 bps)
1=300 bps (*Not used*)
2=600 bps (*Not used*)
3=1200 bps
4=2400 bps
5=4800 bps
6=9600 bps

PARITY BIT [0-3]

0=Non Parity
1=Odd Parity
2=Even Parity
3=Non Parity

STOP BIT [0-3]

0=2 bits
1=1 bit
2=1.5 bits
3=2 bits

CHARACTER BIT [0/1]

0=8 bits
1=7 bits

◆ **TERMINAL=2 (MAT)**

SYMSCAN: System Message Scan Service [0/1]

0=Out of service
1=In service

SPEED [0-6]

0=Default (4800 bps)
1=300 bps (*Not used*)
2=600 bps (*Not used*)
3=1200 bps
4=2400 bps
5=4800 bps
6=9600 bps

MTYPE: Type of MAT Interface

0=MS-Windows based MAT (fixed to “0”)

◆ TERMINAL=3 (CMAT) (Not Used)

◆ TERMINAL=4 (SMDR FREE WHEELING)

PROTOCOL [0-4]

0=Free wheeling

SPEED [0-6]

0=Default (4800 bps)

1=300 bps (*Not used*)

2=600 bps (*Not used*)

3=1200 bps

4=2400 bps

5=4800 bps

6=9600 bps

PARITY BIT [0-3]

0=Non Parity

STOP BIT [0-3]

0=2 bits

1=1 bit

2=1.5 bits

3=2 bits

CHARACTER BIT [0/1]

0=8 bits

◆ TERMINAL=5 (SMDR BSC)

PROTOCOL [0-4]

1=BSC Pooling

2=BSC Contention

SPEED [0-6]

0=Default (4800 bps)

1=300 bps (*Not used*)

2=600 bps (*Not used*)

3=1200 bps

4=2400 bps

5=4800 bps

6=9600 bps

PARITY BIT [0-3]

0=Non Parity
1=Odd Parity
2=Even Parity
3=Non Parity

STOP BIT [0-3]

0=2 bits
1=1 bit
2=1.5 bits
3=2 bits

SYNC [0/1]

0=ST1
1=ST2

CHARACTER BIT [0/1]

0=8 bits
1=7 bits

SYNC CHARACTER: System Message Scan [0/1]

0=Bi-sync
1=Mono-sync

BUSY SIGNAL [0/1]

0=(+)
1=(-)

◆ **TERMINAL=6 (ATM Module)**

SPEED [0-6]

0=Default (4800 bps)
1=300 bps (*Not used*)
2=600 bps (*Not used*)
3=1200 bps
4=2400 bps
5=4800 bps
6=9600 bps

PARITY BIT [0-3]

0=Non Parity
1=Odd Parity
2=Even Parity
3=Non Parity

STOP BIT [0-3]

- 0=2 bits
- 1=1 bit
- 2=1.5 bits
- 3=2 bits

CHARACTER BIT [0/1]

- 0=8 bits
- 1=7 bits

ATM: ATM Module Number [0-2]

- 0=#1
- 1=#2
- 2=#3

◆ TERMINAL=7 (PMS)/8 (Hotel Printer)

PROTOCOL [0-4]

- 0=Free wheeling
- 1=BSC Pooling
- 2=BSC Contention
- 3=Level 2A
- 4=Level 2B

SPEED [0-6]

- 0=Default (4800 bps)
- 1=300 bps (*Not used*)
- 2=600 bps (*Not used*)
- 3=1200 bps
- 4=2400 bps
- 5=4800 bps
- 6=9600 bps

PARITY BIT [0-3]

- 0=Non Parity
- 1=Odd Parity
- 2=Even Parity
- 3=Non Parity

STOP BIT [0-3]

- 0=2 bits
- 1=1 bit
- 2=1+1/2 bits
- 3=2 bits

SYNC [0/1]

- 0=ST1
- 1=ST2

CHARACTER BIT [0/1]

0=8 bits

1=7 bits

SYNC CHARACTER: System Message Scan [0/1]

0=Bi-sync

1=Mono-sync

BUSY SIGNAL [0/1]

0=(+)

1=(-)

PB SIGNAL [0/1]

0=No PB signal

1=PB signal is required

ENH: Extended Block Parameter [0/1]

0=Invalid

1=Valid (Continue to following attribution data assignment.)

Note: Standard setting is "0".

Following optional parameters appear when ENH (Extended block parameter) = 1.

CLASS [0-3]

0=-CR/LF

1=-CR

2=STX-ETX

3=STX-ETX/BCC

PM: Priority Point Specification [0/1]

0=First Priority Point

1=Second Priority Point

CN: Continuous Transmission [0/1]

0=Invalid

1=Valid

FL: Reception Buffer Shortage [0/1]

0=NAK

1=WABT

ET: EOT on Reset [0/1]

0=Invalid

1=Valid

KJ: Kanji Character Code [0/1]

0=Invalid

1=Valid

WR: Transmission Method

Fixed to "0." (RS ON always)

DR: DR Signal Disregard [0/1]

0=Invalid

1=Valid

CD: CD Signal Disregard [0/1]

0=Invalid

1=Valid

XO: X-ON/OFF Control [0/1]

0=Invalid

1=Valid

SN: Transmission Address Number Control [0/1]

0=Invalid

1=Valid

SA: Station Address [20-7E HEX]**TUA: Unit Address for Transmission [20-7E HEX]****RUA: Unit Address for Reception [20-7E HEX]*****Example:** Standard data for PMS and Hotel printer.

PMS (Level 2A)	PROTOCOL SPEED PARITY BIT STOP BIT SYNC CHARACTER BIT SYNC CHARACTER BUSY SIGNAL PB SIGNAL ENH	=3 (Level 2A) =3 (1200 bps) =2 (Even Parity) =0 (2 bits) =0 (Not used) =0 (8 bits) =0 (Not used) =0 (Not used) =0 (No PB signal) =0 (Invalid)
Hotel Printer:	PROTOCOL SPEED PARITY BIT STOP BIT CHARACTER BIT Others	=0 (Free Wheeling) =3 (1200 bps) =0 (No Parity) =0 (2 bits) =0 (8 bits) =0 (Not used)

4. Data Sheet

(a) TERMINAL=1 (Printer/MCI)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)			
	1			
(SPEED)	(PARITY BIT)	(STOP BIT)	(CHARACTER BIT)	REMARKS

(b) TERMINAL=2 (MAT)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)			
	2			
(SYMSCAN)	(SPEED)	(MTYPE)	REMARKS	

(c) TERMINAL=3 (CMAT) (Not Used)

(d) TERMINAL=4 (SMDR FREE WHEELING)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)			
	4			
(PROTOCOL)	(SPEED)	(PARITY BIT)	(STOP BIT)	(CHARACTER BIT)
0		0		0

(e) TERMINAL=5 (SMDR BSC)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)						
	5						
(PROTOCOL)	(SPEED)	(PARITY BIT)	(STOP BIT)	(SYNC)	(CHARACTER BIT)	(SYNC CHARACTER)	(BUSY SIGNAL)

(f) TERMINAL=6 (ATM Module)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)			
	6			
(SPEED)	(PARITY BIT)	(STOP BIT)	(CHARACTER BIT)	(ATM)

(g) TERMINAL=7 (PMS)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)						
	7						
(PROTOCOL)	(SPEED)	(PARITY BIT)	(STOP BIT)	(SYNC)	(CHARACTER BIT)	(SYNC CHARACTER)	(BUSY SIGNAL)

(PB SIGNAL) 0/1	(ENH) 0/1

When ENH=1 (Option),

(CLASS) 0-3	(PM) 0/1	(CN) 0-3	(FL) 0/1	(ET) 0/1	(KJ) 0/1	(WR)	(DR) 0/1

(CD) 0/1	(XO) 0/1	(SN) 0/1	(SA) 20-7E HEX	(TUA) 20-7E HEX	(RUA) 20-7E HEX

(h) TERMINAL=8 (Hotel Printer)

IOC PORT NUMBER (IOC)	TERMINAL KIND (TERMINAL)						
	8						
(PROTOCOL)	(SPEED)	(PARITY BIT)	(STOP BIT)	(SYNC)	(CHARACTER BIT)	(SYNC CHARACTER)	(BUSY SIGNAL)

(PB SIGNAL) 0/1	(ENH) 0/1

AIPA: Assignment of Initial Setting Data on Survivable Remote MGC

1. General

This command assigns and deletes the initial setting data such as IP address, Net Mask, and Default Gateway of Survivable Remote MGC (SR-MGC). Reboot the system to apply the settings after data is modified.

2. Precautions

1. This command is used on SR-MGC side only.
2. The available configurations vary depending on the type of an SR-MGC connected to PCPro.
3. After the assignment of this command, be sure to execute office data backup to Flash card using MEM_HDD command.
4. When this command is used with an SR-MGC(E), you cannot delete data, but register and modify only.

3. Data Entry Instructions

<IP Address Settings tab>

IP Address:

Specify an IP address of the SR-MGC(E).

Subnet Mask:

Specify a subnet mask for the preceding address.

Default Gateway:

Specify an IP address of a router in the network to which the SR-MGC(E) belongs.

MGC IP Address:

Specify a LAN1 (ACT) IP address of the Telephony Server to which the SR-MGC(E) belongs.

<NIC Settings tab>

Note: The following data have to correspond to a port configuration of a network device connected with the NIC, or SR-MGC(E); otherwise, their communication will be impeded.

Speed:

Select transmission speed between the SR-MGC(E) and its connected network device.

- Fixed 10Mbps
- Fixed 100Mbps
- Auto Negotiation(1Gbps Only)

- Auto Negotiation(10Mbps-1Gbps) **Note 1**

Note 1: A negotiation may fail depending on a network device connected with the SR-MGC(E), especially in a segment where HUBs are cascaded. To avoid this, set the network device to an auto-negotiation mode as well, or select a specific speed.

Duplex Mode:

Select Half Duplex mode or Full Duplex mode.

Note: The setting is necessary only when specifying Fixed 10Mbps or Fixed 100Mbps in Speed. Auto Negotiation(1Gbps Only) works in Full Duplex (fixed).

- Half Duplex
- Full Duplex

4. Data Sheet

No.	IP ADDRESS	NET MASK	DEFAULT GW IP ADDRESS	MGC IP ADDRESS
1	- - -	- - -	- - -	- - -
2	- - -	- - -	- - -	- - -
3	- - -	- - -	- - -	- - -
4	- - -	- - -	- - -	- - -
5	- - -	- - -	- - -	- - -
6	- - -	- - -	- - -	- - -
7	- - -	- - -	- - -	- - -
8	- - -	- - -	- - -	- - -
9	- - -	- - -	- - -	- - -
10	- - -	- - -	- - -	- - -
11	- - -	- - -	- - -	- - -
12	- - -	- - -	- - -	- - -
13	- - -	- - -	- - -	- - -
14	- - -	- - -	- - -	- - -
15	- - -	- - -	- - -	- - -
16	- - -	- - -	- - -	- - -
17	- - -	- - -	- - -	- - -
18	- - -	- - -	- - -	- - -
19	- - -	- - -	- - -	- - -
20	- - -	- - -	- - -	- - -
21	- - -	- - -	- - -	- - -
22	- - -	- - -	- - -	- - -
23	- - -	- - -	- - -	- - -
24	- - -	- - -	- - -	- - -
25	- - -	- - -	- - -	- - -
26	- - -	- - -	- - -	- - -
27	- - -	- - -	- - -	- - -
28	- - -	- - -	- - -	- - -
29	- - -	- - -	- - -	- - -
30	- - -	- - -	- - -	- - -

No.	SPEED/ DUPLEX MODE	FTP LOGIN NAME	FTP LOGIN PASSWORD	REMARKS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

AIPDL: Assignment of IP Service PAD Data for LDM

1. General

This command assigns and deletes the PAD data for IP service. It can also be used for reading out the already assigned data to modify it. This data is written in the Local Data Memory (LDM).

2. Precautions

1. This command is valid when IPTRK service software is programmed.
2. PAD data of IP Trunk card can be assigned per Node as the pattern shown in the table below;

X: PAD data assignment.

IC TERMINAL	OG TERMINAL	IC PAD	OG PAD	DATA
Trunk	IPTRK	X	X	RT-Node
Analog telephone/ Desktop terminal		PAD OFF	X	Node-SFC
ISDN terminal		PAD OFF	X	Node-SFC
Connection trunk		X	X	C_RT-Node
IPTRK	IPTRK	X	X	Node-Node
	Trunk	X	X	Node-RT
	Analog telephone/ Desktop terminal	X	PAD OFF	Node-SFC
	ISDN terminal	X	PAD OFF	Node-SFC
	Connection trunk	X	X	Node-C_RT

3. If both NODE and IPG data for IC/OG Terminal parameter are restricted, this command cannot be used.

3. Data Entry Instructions

IC Terminal/OG Terminal: Incoming Terminal/Outgoing Terminal [RT/SFC/C_RT/NODE/IPG]

Check the required parameter according to each terminal. **Note 2**

RT: External Route Number for the Trunk [1-255]

SFC: Service Restriction Class for the Station [0-15]

C_RT: Connection Route Number [1-1023]

NODE: Node Number [Maximum three digits (0-9, *, #, P)]

Enter the Node Number on which IPTRK card is accommodated (Node Number is assigned by the ANTI command). **Note 3**

IPG: Group Number of IP Station [0-127] **Note 4**

IC/OG PAD: Incoming PAD/Outgoing PAD [1-15]

Assign the PAD number in the range of 1-15 **Note 1**

PAD value for SFC (station) is fixed to 1 (PAD OFF).

See **Note 5** for IPG setting.

Note 1: Actual PAD value is determined by the combination of this PAD data and the switch settings on the circuit card.

Note 2: Available combination of the incoming/outgoing terminal is shown in the table below.

X: Available

	OG TERMINAL					
		RT	SFC	C_RT	NODE	IPG
IC TERMINAL	RT	-	-	-	X	X
	SFC	-	-	-	-	X
	C_RT	-	-	-	X	X
	NODE	X	X	X	X	X
	IPG	X	X	X	X	X

Note 3: NODE parameter is valid when CCIS/FCCS over IP is performed.

Note 4: If the AISTL command is not assigned, or Telephone numbers are not allocated, the IPG data is regarded as "0".

Note 5: When IPG is selected in IC/OG Terminal parameter, refer to the table below for the PAD value setting.

$1 = 2 \text{ dB}$ $6 = 12 \text{ dB}$
 $2 = 4 \text{ dB}$ $7 = 14 \text{ dB}$
 $3 = 6 \text{ dB}$ $8 = 16 \text{ dB}$
 $4 = 8 \text{ dB}$ $9-15 = 0 \text{ dB}$
 $5 = 10 \text{ dB}$

PAD Value and Data Assignment

—: No data assignment

×: Data assignment

IC PAD	OG PAD	IC PAD Value	OG PAD Value
—	X	0 [dB]	the above value
X	—	the above value	0 [dB]
—	—	conforms to circuit card	conforms to circuit card
X	X	the above value	the above value

4. Data Sheet

[illegible]

AIPDN: Assignment of IP Service PAD Data for NDM

1. General

This command assigns and deletes the PAD data for IP service. It can also be used for reading out the already assigned data to modify it. This data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command is valid when IPTRK service software is programmed.
2. PAD data of IP Trunk card can be assigned per Node as the pattern shown in the table below;

X: PAD data assignment.

IC TERMINAL	OG TERMINAL	IC PAD	OG PAD	DATA
Trunk	IPTRK	X	X	LGRT-Node
Analog telephone/ Desktop terminal		PAD OFF	X	Node-SFC
ISDN terminal		PAD OFF	X	Node-SFC
IPTRK	IPTRK	X	X	Node-Node
	Trunk	X	X	Node-LGRT
	Analog telephone/ Desktop terminal	X	PAD OFF	Node-SFC
	ISDN terminal	X	PAD OFF	Node-SFC

3. If NODE for IC/OG Terminal parameter is restricted, this command cannot be used.

3. Data Entry Instructions

IC TERMINAL/OG TERMINAL: Incoming Terminal/Outgoing Terminal [LGRT/SFC/NODE/IPG]

Check the required parameter according to each terminal. **Note 2**

LGRT: Logical Route Number for The Trunk [1-899]

SFC: Service Restriction Class for The Station [0-15]

NODE: Node Number [Maximum three digits (0-9, *, #, P)] **Note 3**

Enter the Node Number on which IPTRK card is accommodated (Node Number is assigned by the ANTI command).

IPG: Group Number of IP Station [0-127] **Note 4**

IC/OG PAD: Incoming PAD/Outgoing PAD [1-15]

Assign the PAD number in the range of 1-15. **Note 1**

PAD value for SFC (station) is fixed to “1 (PAD OFF)”.

See **Note 5** for IPG setting.

Note 1: Actual PAD value is determined by the combination of this PAD data and the switch settings on the circuit card.

Note 2: Available combination of the incoming/outgoing terminal is shown in the table below.

X: Available

	OG TERMINAL				
		LGRT	SFC	NODE	IPG
IC TERMINAL	LGRT	-	-	X	X
	SFC	-	-	-	X
	NODE	X	X	X	X
	IPG	X	X	X	X

Note 3: NODE parameter is valid when CCIS/FCCS over IP is performed.

Note 4: If the AISTN command is not assigned, or Telephone Numbers are not allocated, the IPG data is regarded as “0”.

Note 5: When IPG is selected in IC/OG Terminal parameter, refer to the table below for the PAD value setting.

$1 = 2dB$ $6 = 12dB$
 $2 = 4dB$ $7 = 14dB$
 $3 = 6dB$ $8 = 16dB$
 $4 = 8dB$ $9-15 = 0dB$
 $5 = 10dB$

PAD Value and Data Assignment

–: No data assignment
 ×: Data assignment

IC PAD	OG PAD	IC PAD Value	OG PAD Value
–	X	0 [dB]	the above value
X	–	the above value	0 [dB]
–	–	conforms to circuit card	conforms to circuit card
X	X	the above value	the above value

4. Data Sheet

[illegible]

AISA: Assignment of Individual Speed Calling Entry Area

1. General

This command designates the station type (MST or SLV) and the number of memory blocks used for the Speed Calling Group/Station.

2. Precautions

1. One Speed Calling - Station memory can be assigned a maximum of 24 digits for the speed dial number (including access codes and pauses).
2. One BLOCK consists of ten Speed Calling - Station memories.
3. There are one hundred (100) BLOCKs per MG.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
5. The MST station user can register the speed dial number and also originate a speed dial call.
6. The SLV station user can originate a speed dial call, but speed dial number registration is not available. The speed dial number registration is done by the MST station only.
7. The MST station and SLV stations must be in the same MG.
8. The AISD command allows the maintenance person to register the speed dial number.
9. When assigning the individual speed calling entry block of the Attendant Console, use the Specific Attendant Number previously assigned in the ASAT command.
10. To assign the individual speed calling entry area, consecutive vacant blocks are required for the number of entry blocks. (If the block number is frequently modified/deleted, consecutive vacant block area would not be obtained and assignment error may occur even if the block number has not exceeded 100.)

3. Data Entry Instructions

TN: Tenant Number

STN: Station number

MST/SLV: Station type

1 : MST(Master Station)

2 : SLV(Slave Station)

BLOCK: Number of Blocks [1-10]

The BLOCK parameter is displayed when MST/SLV=MST(Master Station).

MST STN: Master station number

The MST STN parameter is displayed when MST/SLV=SLV(Slave Station).

ATT: Attendant [1-3] (Display Only)

1 : ATT

2 : NATT

3 : -

4. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	STATION TYPE MST/SLV	NUMBER OF BLOCKS (BLOCK) 1 – 10	STATION TYPE MST/SLV	MASTER STATION NUMBER (MST STN) (Primary Station Number of the Same Speed Calling Group)		
		MST		SLV			

AISA_T: Assignment of Individual Speed Calling Entry Area – Telephone Number

1. General

This command is used to designate the station type (MST or SLV) and the number of memory block used for the Speed Calling Group/Station. The station data of the AISA command can be assigned by using Telephone Number instead.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. One Speed Calling - Station memory can be assigned a maximum of 24 digits for the speed dial number (including access codes and pauses).
4. One BLOCK consists of ten Speed Calling - Station memories.
5. There are one hundred (100) BLOCKs per MG.
6. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8
7. The MST station user can register the speed dial number and also originate a speed dial call.
8. The SLV station user can originate a speed dial call, but speed dial number registration is not available. The speed dial number registration is done by the MST station only.
9. The MST station and SLVstations must be in the same MG.
10. The AISD/AISD_T command allows the maintenance person to register the speed dial number.
11. Telephone Number of the Specific Attendant Console cannot be used.

3. Data Entry Instructions

UGN: User Group Number [1-255]**TELN: Telephone Number [Maximum 16 digits]**

Enter the Telephone Number of the Primary/Secondary station where Speed Calling Group data to be assigned.

FPC: Fusion Point Code

Display Only. **Note 1**

TN: Tenant Number

Display Only. **Note 1**

STN: Station number

Display Only. **Note 1**

Note 1: This data can be read out by pressing the GET button after UGN and TELN data is entered.

MST/SLV: Station type

1 : MST(Master Station)

Station in Primary Mode

2 : SLV(Slave Station)

Station in Secondary Mode

BLOCK: Number of Blocks [1-10]

Assign the number of memory block for each station. This parameter appears when MST(Master Station) is selected in Station Type.

MST TELN: Master Telephone Number [Maximum 16 digits]

Enter the Telephone Number of Master Station when SLV(Slave Station) is selected in Station Type.

ATT: Attendant [1-3] (Display Only)

1 : ATT

2 : NATT

3 : -

4. Data Sheet

[illegible]

AISD: Assignment of Individual Speed Calling Data

1. General

This command assigns the speed dial number (of the Speed Calling - Station service feature) for a station, instead of a station user's registration. This command also allows a maintenance person to monitor present user settings.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
2. The station number (STN) specified on this command should be assigned as a Master station (MST) by the AISA command.
3. The data range of the SPEED parameter on this command varies depending on the number of memory-blocks assigned by the AISA command. (One memory-block contains ten memories that store ten different speed dialing numbers.)

3. Data Entry Instructions

TN: Tenant Number [1-63]

STN: Station number [Maximum six digits]

Assign the station number designated as a master station (MST/SLV=MST(Master Station)) by the AISA command.

SPD: Speed Calling Digit Code [00-99]

When assigning the parameter BLOCK=1 in the AISA command, assign any data in the range of 00-09 to this parameter.

When assigning the parameter BLOCK=2 in the AISA command, assign any data in the range of 00-19 to this parameter.

TEL: Telephone Number [Maximum 24 digits]

The dial number to be transmitted by the system when a station user dial Speed Calling-Station Access Code + SPD.

4. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	SPEED CALLING DIGIT CODE (SPD) 00 – 99	TELEPHONE NUMBER (TEL) MAXIMUM 24 DIGITS

AISD_T: Assignment of Individual Speed Calling Data – Telephone Number

1. General

This command is used to assign the speed dial number (of the Speed Calling - Station service feature) for a station, instead of a station user's registration. The station data of AISD command can be assigned by using a Telephone Number.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. When logging into a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging into the NCN, data memory of any node in the network can be written.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
4. The Station designated by a Telephone Number on this command should be assigned as a master station (MST) by the AISA/AISA_T command beforehand.
5. The data range of the SPD parameter on this command varies depending on the number of memory blocks assigned by the AISA/AISA_T command. (One memory block contains ten memories that store ten different speed dialing numbers.)

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Assign the Telephone Number designated as a Master Station (Station Type=MST(Master Station)) by the AISA/AISA_T command.

FPC: Fusion Point Code

Display Only. **Note 1**

TN: Tenant Number

Display Only. **Note 1**

STN: Station number

Display Only. **Note 1**

Note 1: This data can be read out by pressing the GET button after UGN and TELN data is entered.

SPD: Speed Calling Digit Code [00-99]

When assigning the parameter BLOCK=1 in the AISA/AISA_T command, assign any data in the range of 00-09 to this parameter.

When assigning the parameter BLOCK=2 in the AISA/AISA_T command, assign any data in the range of 00-19 to this parameter.

Note: The existing data can be read out by pressing the GET button after UGN, TELN and SPD data is entered.

TEL: Telephone Number [Maximum 24 digits]

The dial number to be transmitted by the system when a station user dial Speed Calling-Station Access Code + SPD.

4. Data Sheet

[illegible]

AISP: Assignment of Incoming Selection Pattern

1. General

This command assigns additional digit information with respect to the Incoming Selection Translation Pattern Number (PNI).

2. Precautions

1. Since the PNI is an intermediate parameter to the ASTP command, assign the PNI for the incoming route number by the ASTP command before assigning the AISP command.
2. The system processes the ASTP/AISP command prior to the numbering plan data. If the LCR Access Code is added to the received numbers by the ASTP/AISP command, the system processes the LCR related command such as ASPA/AFRS/AOPR.

3. Data Entry Instructions

PNI: Incoming Selection Translation Pattern Number [1-15]

Enter the PNI assigned by the ASTP command.

DC: Additional Digit Information [Maximum four digits]

Enter desired additional numbers within four digits.

4. Data Sheet

INCOMING SELECTION TRANSLATION PATTERN NUMBER (PNI) 1 – 15	ADDITIONAL DIGIT INFORMATION (DC) MAXIMUM 4 DIGITS	REMARKS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

AISPL: Assignment of Incoming Selection Pattern Data for LDM

1. General

This command is used to assign additional digit information with respect to the Incoming Selection Translation Pattern Number (PNI). This data is written in Local Data Memory (LDM).

2. Precautions

1. Since the PNI is an intermediate parameter to the ASTPL command, assign the PNI for the incoming route number by the ASTPL command before assigning the AISPL command.
2. The system processes the ASTPL/AISPL command prior to the numbering plan data. If the LCR Access Code is added to the received numbers by the ASTPL/AISPL command, the system processes the LCR related command such as ASPAL/AFRSL/AOPRL.

3. Data Entry Instructions

PNI: Incoming Selection Translation Pattern Number [1-15]

Enter the PNI assigned by the ASTPL command.

DC: Additional Digit Information [Maximum four digits]

Enter desired additional numbers within four digits.

4. Data Sheet

INCOMING SELECTION TRANSLATION PATTERN NUMBER (PNI) 1 – 15	ADDITIONAL DIGIT INFORMATION (DC) MAXIMUM 4 DIGITS	REMARKS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

AISP: Assignment of Incoming Selection Pattern Data for NDM

1. General

This command is used to assign additional digit information with respect to the Incoming Selection Translation Pattern Number (PNI). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Since the PNI is an intermediate parameter to the ASTPN command, assign the PNI for the incoming route number by the ASTPN command before assigning the AISP command.
2. The system processes the ASTPN/AISP command prior to the numbering plan data. If the LCR Access Code is added to the received numbers by the ASTPN/AISP command, the system processes the LCR related command such as ASPAN/AFRSN/AOPRN.

3. Data Entry Instructions

PNI: Incoming Selection Translation Pattern Number [1-15]

Enter the PNI assigned by the ASTPN command.

DC: Additional Digit Information [Maximum four digits]

Enter desired additional numbers within four digits.

4. Data Sheet

INCOMING SELECTION TRANSLATION PATTERN NUMBER (PNI) 1 – 15	ADDITIONAL DIGIT INFORMATION (DC) MAXIMUM 4 DIGITS	REMARKS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

AISTL: Assignment of IP Station Data for LDM

1. General

This command is used to assign/delete the IP station data for IP terminal, SIP Multiple Line terminal, Softphone, Analog MC, Digital MC, and MC&MG-COT.

2. Precautions

1. IP stations must be allocated to virtual-LENS within virtual PIR, or to vacant LENS within the existing module.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
3. The number of digits for the station number (STN) is designated by the ASYD command, SYS1, Index 16.
4. The parameters RSC and SFC work in conjunction with the ARSC and ASFC commands respectively.
5. It is restricted to write the IP station data over the existing Analog MC to other kinds of IP terminals (IP terminal, SIP Multiple Line terminal, Softphone, MC&MG-COT), and vice versa.
6. IP station data cannot be assigned to Extended Group number by this command, when allocating the IP station to virtual LENS.

3. Data Entry Instructions

TN: Tenant Number

IP STN: Station number of IP station [Maximum five digits]

Assign a station number to each IP station. After entering a station number in IP STN, click Get button. If no data is assigned, click Set button. After clicking Get button, the existing data appears, but the data except FAX Setting Data cannot be changed.

TEC: Telephone Equipment Class [0-31]

- 1 = DP (10 pps)
- 2 = PB
- 3 = DP/PB
- 4 = DP (20 pps)
- 5 = DP (10 pps)
- 6 = PB
- 7 = DP/PB
- 8 = DP (20 pps)
- 9 = House Phone (Administration)
- 10 = House Phone (Guest)
- 12 = Dterm
- 13 = Data Terminal via Dterm
- 14 = House Phone/Hot Line
- 16 = Data Terminal via Data Module

Note: TECs=5 - 10 are available only for Hotel system.

KIND: Kind of IP Station

Select the kind of terminal in the combo box.

- DtermIP (DtermIP, IP Enabled Dterm)
- Soft Dterm [Softphone (Proprietary Protocol)]
- INASET (DtermIP INASET)
- Analog MC
- Digital MC (Not used)
- IP-VPS (Not used)
- MC-MG (COT)
- SIP MultiLine TEL
- SIP-SoftPhone [Softphone (SIP)]
- SIP-VPS (Not used)
- 8MC-SIP

Note: The parameter KIND corresponds to the TEC of station data. See the table below.

FOR BUSINESS SYSTEM	
TEC	KIND
1-4, 14	Analog MC
	MC-MG(COT)
	8MC-SIP
12, 13, 16	DtermIP (DtermIP, IP Enabled Dterm)
	Soft Dterm (Softphone - Proprietary Protocol)
	SIP MultiLine TEL
	SIP-SoftPhone

FOR HOTEL SYSTEM	
TEC	KIND
1-10, 14	Analog MC
	MC-MG(COT)
	8MC-SIP
12, 13, 16	DtermIP (DtermIP, IP Enabled Dterm)
	Soft Dterm (Softphone - Proprietary Protocol)
	SIP MultiLine TEL
	SIP-SoftPhone

Note: The attempt to assign terminal types that are not allowed to coexist in a same Group (G) of LENS prompts an error message. The following shows the terminal types that can coexist in a same Group (G LENS).

KIND	Whether coexistence is allowed
DtermIP	Allowed
Soft Dterm	
INASET	
SIP MultiLine TEL	
SIP-SoftPhone	
Analog MC	Not Allowed
MC-MG(COT)	
8MC-SIP	

UG50 Multi-slot Mode

Mark the checkbox when assigning the UG50 on Multi-slot mode.

0: OFF/1: ON

Note: This parameter is only displayed in the case of KIND= "DtermIP", "Analog MC", "8MC".

Note: Do not mark the checkbox when Retrofit mode or IPG mode is on. Registration will not start when marked.

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC command within the range of 1 to 15.

SFC: Service Restriction Class [0-15]

Enter the SFC defined by the ASFC command within the range of 1 to 15.

- The following parameters are required for Hotel system.

ADM/GST

ADM= Administration

GST=Guest

ROOM CLASS [0-15]

0=General Administration (Ordinary Telephone, Dterm)

1-5=Not used

6=Guest Service Telephone (Dterm and External Equipment)

7-14=Not used

15=Guest station (Dterm)

ANNEX [0-3]

0=Main Building

1=Annex 1

2=Annex 2

3=Annex 3

GROUND [0/1]

0=Ground

1=Underground

FLOOR [1-127]**LENS: IP Station Equipment Numbers [Six digits (MG, U, G, Lv)]**

Allocate the IP station to the LENS (as a virtual-LENS) on which the station/trunk is not mounted. (IP station cannot be allocated to the already registered station/trunk in duplicate.)

- (a) When KIND = DtermIP, Soft Dterm, SIP MultiLine TEL, INASET, or SIP-SoftPhone:

No additional parameter.

- (b) When KIND = Analog MC, MC-MG(COT), or 8MC-SIP:

MC-ID:ID of MC

Enter the fixed MAC address of the MC.

MC-CH: Channel Number of MC

Assign the channel number of each terminal connected to the MC.

Analog 2MC [0/1] **Note 3**
MC-MG(COT) [0-3] **Note 4**
8MC-SIP [0-7]

Note 3: When 'UG50 Multi-slot mode' checkbox is marked, it will be fixed to "0".

Note 4: When 'UG50 Multi-slot mode' checkbox is marked, the input range will be "0~3".

FAX Setting Data

Click the FAX Data Setting check box to ON if FAX control data is manually set. When the check box remains OFF, default data (Payload Type=G.711, Payload Size=40 milliseconds, Jitter-Buffer=150 milliseconds, data transmission as voice data), is applied to FAX connection.

JITSIZ: Jitter Buffer Size [1-30 (10 milliseconds-300 milliseconds)]

Enter the Jitter-Buffer size for FAX controlling in the range 1-30 (10 milliseconds-300 milliseconds).

PAYTYP: Payload Type [G.711, G.726, T.30]

Select the Payload Type in the combo box for FAX controlling.

PAYSIZ: Payload Size [10-40 milliseconds]

Enter the Payload Size for FAX controlling. This data is required when G.711 or G.726 is selected in the parameter PAYTYP.

4. Data Sheet

(a) When KIND = DtermIP, Soft Dterm, SIP MultiLine TEL, INASET, or SIP-SoftPhone:

[illegible]

[illegible]

(b) KIND = Analog MC, MC-MG(COT), or 8MC-SIP:

[illegible]

[illegible]

AITD: Assignment of ISDN Terminal Data

1. General

This command assigns ISDN terminal data and FID to only B1 channels.

2. Precautions

None

3. Data Entry Instructions

FUNC: Function [1/2]

1=Terminal information

2=Feature Identifier Data (FID)

TN: Tenant Number

Enter the Tenant Number when “1” is assigned at FUNC parameter.

STN: Station number [Maximum six digits]

Enter the station number when “1” is assigned at FUNC parameter.

TYPE: Terminal type [1-n]

1=N-ISDN1

FIDP: FID Pattern [1-31]

Enter the FID Pattern.

FID: Feature Identifier data [1-127]

This parameter is required only when “FUNC=2” is entered.

4. Data Sheet

[illegible]

AITD_T: Assignment of ISDN Terminal Data – Telephone Number

1. General

This command is used to assign ISDN terminal data and FID to only B1 channels. The station data of AITD command can be assigned by using a Telephone Number.

2. Precautions

1. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.

3. Data Entry Instructions

FUNC: Function

- Terminal information
- Feature Identifier Data (FID)

UGN: User Group Number

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the designated station. This parameter appears when “FUNC=Terminal Information” is selected.

TYPE: Terminal Type [1-n]

1=N-ISDN1

FIDP: FID Pattern [1-31]

Enter the FID Pattern.

FID: Feature Identifier Data [1-127]

This parameter is required only when “FUNC=FID” is entered.

4. Data Sheet

[illegible]

AIVCL: Assignment of IP Service Voice Control Data for LDM

1. General

This command is used to assign/delete the voice packet control data such as Jitter Buffer, ToS, Payload, PAD, and Echo Canceller features corresponding to the specified Location IDs.

2. Precautions

1. When assigning the Location ID (parameters A LOC-ID and B LOC-ID), enter “0” to the Location ID of the Node.
2. Be sure to assign the location ID by the ALOCL command before assigning parameters A LOC-ID and B LOC-ID in this AIVCL command.
3. For PAD value setting of the IP device supporting PAD/EC Control IP/PHC Support feature, use APDIL command instead of this command.
4. If you enter the location ID which is set toward the point code (PC), it becomes invalid.
5. If you enter the location ID which is set toward the fusion point code (FPC), it becomes invalid.
6. If you enter the location ID which is set toward the station number (STN), it becomes invalid.

3. Parameters

A LOC-ID: Location ID A [0 to 4095]

Enter the Location ID of self-network the voice packet data assigned.

B LOC-ID: Location ID B [0 to 4095]

Enter the Location ID of destination network.

Note: LOC-ID = 0 is reserved for the Location ID of the Node.

Setting of Jitter Buffer

If you leave this check box clear, the default values for the jitter buffer (JB MIN=1 (10 milliseconds), JB MAX=30 (300 milliseconds)) are set.

If you want to customize these values, select this check box and specify the following parameters:

JB MIN [10 milliseconds×n (n=0 to 30)]

JB MAX [10 milliseconds×n (n=0 to 30)]

Enter the value within the range of 0 to 30. JB MIN data must not exceed JB MAX value.

Setting Type of Voice Packet Service

If you leave this check box clear, the default values (IP Precedence, Priority = 5) for Type of Service (ToS) are set.

If you want to customize these values, select this check box and specify the following parameters:

IP PRECEDENCE/DIFFSERV

Choose either of the following:

IP PRECEDENCE (Default)

DIFFSERV

- (a) When IP PRECEDENCE is chosen:

Priority (PRECEDENCE / DSCP) [0 to 7]

Specify the precedence in the range of 0 to 7 (low-high).

Low Delay

Select the check box to set Low Delay to ON.

Through Put

Select the check box to set High Through Put to ON.

Reliability

Select the check box to set High Reliability to ON.

Min Cost

Select the check box to set Cost Precedence to ON.

- (b) When DIFFSERV is chosen:

Priority (PRECEDENCE / DSCP) [0 to 63]

Specify the precedence in the range of 0 to 63 (low-high).

Setting of Payload

If you leave this check box clear, the default values for the payload type and payload size are set.

If you want to set the payload, select this check box and specify the following parameters:

Payload Information

Specify the Payload Type and Payload Size in the order priority 1 to 4 (PRI 1 through PRI 4).

TYPE: Payload Type

Select the Payload Type in the combo box.

- No Data

- G.711 (Default)
- G.729a
- G.723.1 (5.3K → 6.3K)
- G.723.1 (6.3K → 5.3K)
- G.722 **Note 1, Note 2**
- AMR-NB **Note 1**
- AMR-WB **Note 1**
- G.711 μ -law (FEC) **Note 1, Note 3**
- G.711 A-law (FEC) **Note 1, Note 3**
- G.729a (FEC) **Note 1, Note 3**
- G.722 (FEC) **Note 1, Note 3**
- AMR-NB (FEC) **Note 1, Note 3**
- AMR-WB (FEC) **Note 1, Note 3**

Note 1: These Payload Types have been available for DtermSP30 Version 15. These data are effective only for the connection between DtermSP30s Version 15.

Note 2: Payload Type G.722 has been effective for the following connections in addition to the connection between DtermSP30s Version 15:

- The connection between DT800 Series (DT830/DT830G)/DT700 Series (DT730/DT730G/DT750)
- The connection between DtermSP30 Version 15 and DT800 Series (DT830/DT830G)/DT700 Series (DT730/DT730G/DT750)

Note 3: When Payload Type with “FEC” is selected, the data that is not transmitted correctly because of packet loss or bit error can be corrected according to the redundant data by the method of Forward Error Correction (FEC).

SIZE: Payload Size

Select the Payload Size in the combo box.

- No Data
- 10 ms
- 20 ms
- 30 ms
- 40 ms (Default)
- 60 ms

Note:

- If payload type G.711 is specified to more than two priorities in PRI 1 through PRI 4, assign different payload size to each priority.
- When payload types G.723.1 (5.3k R 6.3k) and G.723.1 (6.3 k R 5.3k) are assigned on the same terminal, specify the same value to the payload size of both types.
- It is not necessary to assign the payload type/size to the whole priorities. Specifying the first priority only is allowed.
- For available payload type/payload size, refer to Peripheral Equipment Description, Volume 1, Chapter 2, "3.1.1 Bandwidth Required for Voice Traffic."

Setting of PAD

If you leave this check box clear, the default value "0" is applied.

If you want to set the PAD value, select this check box and specify the following parameters:

KIND1 [0 to 15]

Specify the PAD value of Dterm IP INASET, IP Enabled Dterm, and Soft Dterm.

0 = With no PAD control

1 = 2 dB

2 = 4 dB

3 = 6 dB

4 = 8 dB

5 = 10 dB

6 = 12 dB

7 = 14 dB

8 = 16 dB

9-15 = PAD OFF (0 dB)

KIND2 [0 to 3]

Specify the PAD value of Analog MC, 8MC(SIP), Digital MC, and IPBS (IPZT).

0 = With no PAD control **Note 4**

1 = PAD OFF (0 dB)

2 = 3 dB **Note 5**

3 = 6 dB

Note 4: Determined by ASYD, SYS1, Index 4, b5 (5 dB PAD).

Note 5: When 3 dB is specified, 6 dB PAD is used for IPBS (IPZT).

KIND3 [0 to 15]

Specify the PAD number of IPPAD. PAD value of IPPAD is determined by this PAD number and the setting of SW10-6/7 on IPPAD card. Refer to Circuit Card Description for more details.

PAD Information**Setting of Detail**

- Setting
- Not Setting

(a) If you set the PAD value for an MG to a custom value, choose “Setting” for the Setting of Detail field and enter the following parameters:

SEND: Send [-128 to 127]

For sending.

RECV: Receive [-128 to 127]

For receiving.

(b) If you set the PAD value for an MG by selecting from the predefined options, choose “Not Setting” for the Setting of Detail field and enter the following parameter:

KIND4: Specify the PAD Value of MG [0 to 15] **Note 6**

PAD value of the MG to be connected.

Note 6: For details on the setting of the PAD value, contact the maintenance personnel.

Setting of Echo Cancellor

If you want to configure the Echo Cancellor setting, select this check box and specify the following parameter:

EC TYPE: Type of Echo Cancellor

Click the check box to set Echo Cancellor. Select one of the following radio buttons.

- A EC-ON/B EC-ON
- A EC-ON/B EC-OFF
- A EC-OFF/B EC-ON
- A EC-OFF/B EC-OFF

Note: When the values of the A LOC-ID and B LOC-ID parameters are the same, the options “A EC-ON/B EC-OFF” and “A EC-OFF/B EC-ON” cannot be selected.

4. Data Sheet

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

AIVCN: Assignment of IP Service Voice Control Data for NDM

1. General

This command is used to assign/delete the voice packet control data such as Jitter Buffer, ToS, Payload, PAD, and Echo Cancellor features corresponding to the specified Location IDs that extends over more than one node.

2. Precautions

1. AIVCN data has precedence over AIVCL data. If AIVCN data is not assigned, the data assigned by AIVCL command will be used.
2. When assigning the Location ID (parameters A LOC-ID and B LOC-ID), enter “0” to the Location ID of the Node.
3. Be sure to assign the Location ID by the ALOCL command before assigning parameters A LOC-ID and B LOC-ID in this AIVCN command.
4. For PAD value setting of the IP device supporting PAD/EC Control IP/PHC Support feature, use APDIL command instead of this command.

3. Parameters

A FPC: Fusion Point Code A [1 to 253]

Enter the FPC of node A.

A LOC-ID: Location ID A [0 to 4095]

Enter the Location ID of node A.

B FPC: Fusion Point Code B [1 to 253]

Enter the FPC of node B.

B LOC-ID: Location ID B [0 to 4095]

Enter the Location ID of node B.

Note: LOC-ID = 0 is used for Location ID of the Node.

Setting of Jitter Buffer

If you leave this check box clear, the default values for the jitter buffer (JB MIN=1 (10 milliseconds), JB MAX=30 (300 milliseconds)) are set.

If you want to customize these values, select this check box and specify the following parameters:

JB MIN [10 milliseconds×n (n=0 to 30)]

JB MAX [10 milliseconds×n (n=0 to 30)]

Enter the value within the range of 0 to 30. JB MIN data must not exceed JB MAX value.

Setting Type of Voice Packet Service

If you leave this check box clear, the default values (IP Precedence, Priority = 5) for Type of Service (ToS) are set.

If you want to customize these values, select this check box and specify the following parameters:

IP PRECEDENCE/DIFFSERV

Choose either of the following:

IP PRECEDENCE (Default)

DIFFSERV

(a) When IP PRECEDENCE is chosen:

Priority (PRECEDENCE / DSCP) [0 to 7]

Specify the precedence in the range of 0 to 7 (low-high).

Low Delay

Select the check box to set Low Delay to ON.

Through Put

Select the check box to set High Through Put to ON.

Reliability

Select the check box to set High Reliability to ON.

Min Cost

Select the check box to set Cost Precedence to ON.

(b) When DIFFSERV is chosen:

Priority (PRECEDENCE / DSCP) [0 to 63]

Specify the precedence in the range of 0 to 63 (low-high).

Setting of Payload

If you leave this check box clear, the default values for the payload type and payload size are set.

If you want to set the payload, select this check box and specify the following parameters:

Payload Information

Specify the Payload Type and Payload Size in the order priority 1 to 4 (PRI 1 through PRI 4).

TYPE: Payload Type

Select the Payload Type in the combo box.

- No Data
- G.711 (Default)
- G.729a
- G.723.1 (5.3k → 6.3k)
- G.723.1 (6.3k → 5.3k)
- G.722 **Note 1, Note 2**
- AMR-NB **Note 1**
- AMR-WB **Note 1**
- G.711 μ -law (FEC) **Note 1, Note 3**
- G.711 A-law (FEC) **Note 1, Note 3**
- G.729a (FEC) **Note 1, Note 3**
- G.722 (FEC) **Note 1, Note 3**
- AMR-NB (FEC) **Note 1, Note 3**
- AMR-WB (FEC) **Note 1, Note 3**

Note 1: These Payload Types have been available for DtermSP30 Version 15. These data are effective only for the connection between DtermSP30s Version 15.

Note 2: Payload Type G.722 has been effective for the following connections in addition to the connection between DtermSP30s Version 15:

- The connection between DT800 Series (DT830/DT830G)/DT700 Series (DT730/DT730G/DT750)
- The connection between DtermSP30 Version 15 and DT800 Series (DT830/DT830G)/DT700 Series (DT730/DT730G/DT750)

Note 3: When Payload Type with “FEC” is selected, the data that is not transmitted correctly because of packet loss or bit error can be corrected according to the redundant data by the method of Forward Error Correction (FEC).

SIZE: Payload Size

Select the Payload Size in the combo box.

- No Data
- 10 ms
- 20 ms
- 30 ms
- 40 ms (Default)
- 60 ms

Note:

- If payload type G.711 is specified to more than two priorities in PRI 1 through PRI 4, assign different payload size to each priority.
- When payload types G.723.1 (5.3k R 6.3k) and G.723.1 (6.3 k R 5.3k) are assigned on the same terminal, specify the same value to the payload size of both types.
- It is not necessary to assign the payload type/size to the whole priorities. Specifying the first priority only is allowed.

- For available payload type/payload size, refer to Peripheral Equipment Description, Volume 1, Chapter 2, “3.1.1 Bandwidth Required for Voice Traffic.”

Setting of PAD

If you leave this check box clear, the default value “0” is applied.

If you want to set the PAD value, select this check box and specify the following parameters:

KIND1 [0 to 15]

Specify the PAD value of Dterm IP INASET, IP Enabled Dterm, and Soft Dterm.

0 = With no PAD control

1 = 2 dB

2 = 4 dB

3 = 6 dB

4 = 8 dB

5 = 10 dB

6 = 12 dB

7 = 14 dB

8 = 16 dB

9-15 = PAD OFF (0 dB)

KIND2 [0 to 3]

Specify the PAD value of Analog MC, 8MC(SIP), Digital MC, and IPBS (IPZT).

0 = With no PAD control **Note 4**

1 = PAD OFF (0 dB)

2 = 3 dB

3 = 6 dB

Note 4: Determined by ASYD, SYS1, Index 4, b5 (5dB PAD).

KIND3 [0 to 15]

Specify the PAD number of IPPAD. PAD value of IPPAD is determined by this PAD number and the setting of SW10-6/7 on IPPAD card. Refer to Circuit Card Description for more details.

PAD Information**Setting of Detail**

- Setting
- Not Setting

(a) If you set the PAD value for an MG to a custom value, choose “Setting” for the Setting of Detail field and enter the following parameters:

SEND: Send [-128 to 127]

For sending.

RECV: Receive [-128 to 127]

For receiving.

(b) If you set the PAD value for an MG by selecting from the predefined options, choose “Not Setting” for the Setting of Detail field and enter the following parameter:

KIND4: Specify the PAD Value of MG [0 to 15] Note 5

PAD value of the MG to be connected.

Note 5: For details on the setting of the PAD value, contact the maintenance personnel.

Setting of Echo Canceller

If you want to configure the Echo Canceller setting, select this check box and specify the following parameter:

EC TYPE: Type of Echo Canceller

Type of Echo Canceller. Click the check box to set Echo Canceller. Select one of the following radio buttons.

- A EC-ON/B EC-ON
- A EC-ON/B EC-OFF
- A EC-OFF/B EC-ON
- A EC-OFF/B EC-OFF

Note: If the values of the A FPC and B FPC parameters are the same and if the values of the A LOC-ID and B LOC-ID parameters are the same, the options “A EC-ON/B EC-OFF” and “A EC-OFF/B EC-ON” cannot be selected.

4. Data Sheet

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

AIVSL: Assignment of VS Data for LDM

1. General

This command is used to assign the IP telephone conference equipment VS32 related data.

2. Precautions

None.

3. Data Entry Instructions

VS-ID: MAC Address of VS [HEX]

Assign the MAC Address of the VS32 in hexadecimal.

HC-ID: Health Check ID [HEX]

No assignment required. (For technicians only.)

Use SIP Data: [ON/OFF]

Select ON to operate VS32 in SIP mode.

<Basic Settings>

Select the Basic Settings tab to set basic data of VS32.

CH: Channel number of VS [0-31]

Enter the channel number of VS32 within range of (0-31).

KIND: Kind of VS Channel

Select the kind of VS channel from the combo box.

- 8-CONF: 8-party conference
- 16-CONF: 16-party conference
- 32-CONF: 32-party conference
- 3-CONF: 3-party conference
- ANNC: Announcement Feature
- MOH: External Music on hold of IP
- SST (Not used) **Note 1**
- SST-BGM (Not used) **Note 1**

Note 1: This parameter appears only for a Hotel system.

CONF KIND: Kind of conference trunk

Select the kind of conference trunk from the combo box.

- PROGRESSIVE

- PRESET
- MEET-ME
- ADD-ON **Note 2**

Note 2: This parameter appears only when “8-CONF” is selected in the KIND parameter.

TN: Tenant Number [1-]

Enter the Tenant number.

STN: Station number [0-9, #, *]

Assign the station number. (5 digits maximum for Business system/6 digits maximum for Hotel system)

LENS: Line Equipment Numbers

MG=XX, UNIT=X, GROUP=XX, LEVEL=X

TEC: Telephone Equipment Class (Display only)

RSC: Route Restriction Class [0-15]

SFC: Service Restriction Class [0-15]

RT: External or Internal Route Number

TK: Trunk Number (1-255)

ANP: Announcement Pattern

REP: Repeat Pattern

ADM/GST: Administration station/Guest station **Note 3**

ROOM CLASS: Room class [0-15] **Note 3**

ANNEX: Type of Building [0-3] **Note 3**

GROUND: Type of Construction [0/1] **Note 3**

FLOOR: Floor [1-127] **Note 3**

Note 3: This parameter is required only for Hotel system.

- ◆ When assigning KIND=8-CONF, 16-CONF or 32-CONF

CONF KIND: Kind of conference trunk

Choose a conference trunk type from the combo box.

- PROGRESSIVE
- PRESET
- MEET-ME
- ADD-ON **Note 4**

Note 4: This parameter appears only when “8-CONF” is selected in the KIND parameter.

TN: Tenant Number [1-63]

STN: Station number of Conference leader and conferees

Assign the station number. (5 digits maximum for Business system/6 digits maximum for Hotel system)

LENS: Line Equipment Numbers

TEC: Telephone Equipment Class

No assignment required. (Display only)

RSC: Route Restriction Class [0-15]

SFC: Service Restriction Class [0-15]

ADM/GST: Administration station/Guest station **Note 5**

ROOM CLASS: Room Class [0-15] **Note 5**

ANNEX: Type of Building [0-3] **Note 5**

Specify the type of building (0-3).

0=Main Building

1=Annex 1

2=Annex 2

3=Annex 3

GROUND: Type of Construction **Note 5**

Choose either “Ground” or “Underground”.

0=Ground

1=Underground

FLOOR: Floor [1-127] Note 5

Specify the floor (1-127).

Note 5: This parameter is required only for Hotel system.

◆ When assigning KIND=3-CONF

RT: Route Number

Enter the route number of 3-way conference trunk (RT=909).

TK: Trunk Number (1-255)

LENS: Line Equipment Numbers

◆ When assigning KIND=ANNC or MOH

TN: Tenant Number [1-63]

LENS: Line Equipment Numbers

RT: Route Number

TK: Trunk Number

Setting of announcement detail data:

When the box of Detailed Announcement for Announcement is clicked, the following are activated.

ANP: Announcement Pattern

REP: Repeat Pattern

Note: Refer to the VS32 section of Data Programming Manual- Business for further details on data assignment of VS32.

Note: This option is valid for KIND = MOH or KIND = ANNC

<Detail Settings>

Select the Detail Settings tab to set detail data of VS32.

Setting of External Input Interface

Choose this button to adjust the Input Level of External Input Interface.

Mark the “Adjust External Input Interface setting” checkbox, and then select either of the following:

- 0dB
- 10dB
- 15dB
- 20dB

Setting of 8/16/32-CONF

Choose this button to set the action of 8/16/32-party conference trunk.

Mark the Adjust 8/16/32-CONF setting checkbox, and then setting the following:

- Mark the “Send notice tone when there is change in number of conferee”, if necessary.
- Number of conferee (Available number of speakers at the same time) [3~8] (default:5) **Note 6**
- Value of level to determine the speaker/non-speaker[-55~-30dBm] (default:-38)
- Threshold value to define station/trunk[-30~0dBm] (default:-5)
- PAD value for adjusting conference level[-20~20dB] (default:3)
- Interval time for call originating (PRESET)[1~255 (×0.1sec)] (default:20 [2.0 sec])
- Answering Time (MEET-ME)[0~255(×0.1sec)] (default:10 [1.0 sec])

Note 6: For example, if set to 3, the conference trunk mixes and plays the 3 people's voices with highest voice level (volume) in the conferees. It is controlled dynamically. When person A, B, C, D and E (in order of the volume) are speaking, the conference trunk mixes the voice of A, B and C. When person A stops talking, the conference trunk mixes the voice of B, C and D.

Setting of 3-CONF

Choose this button to set the action of 3-party conference trunk operation.

Mark the “Adjust 3-CONF setting” checkbox, and then setting the following:

- Threshold value to define station/trunk[-30~0dBm] (default:-5)
- PAD value for adjusting conference level[-20~20dB] (default:3)
- PAD value for adjusting conference value when 3-party conference trunk is connected to UMS recording[-20~20dB] (default:0)
- PAD value of UMS conversation recording

When connected to Station:

- PAD value of station conversation recording[-20~20dB] (default:9)

When connected to CO line / Tie line:

- PAD value of Analog CO line conversation recording[-20~20dB] (default:-8)
- PAD value of Digital CO line conversation recording[-20~20dB] (default:-2)
- PAD value of Tie line conversation recording[-20~20dB] (default:-8)
- PAD value of conversation recording for station connected to VPS station [-20 to 20dB] (default: 6dB)

Setting of Expansion mode

Choose this button to set the action of expansion mode.

Mark the “Enable the Expansion Mode” checkbox, and then set the following:

- Mark the “No PB detection (MEET-ME)” checkbox, if necessary.
- Mark the “Not released when conference leader's port is released (PRESET)” checkbox, if necessary.
- Mark the “Do not restrict the call termination toward conferee port (PRESET)” checkbox, if necessary.

Setting of Payload size

Mark the “Adjust Payload size setting of 3-CONF and 8/16/32-CONF” checkbox, the following are activated:

- G.711 PAYLOAD_SIZE
- G.729a PAYLOAD_SIZE **Note 7**
- G.723.1(5.3K -> 6.3K) PAYLOAD_SIZE **Note 7**
- G.723.1(6.3K -> 5.3K) PAYLOAD_SIZE **Note 7**

Mark the “Payload Change for ANNC and MOH” checkbox, the following are activated:

- G.711 PAYLOAD_SIZE
- G.729a PAYLOAD_SIZE **Note 7**
- G.723.1(5.3K -> 6.3K) PAYLOAD_SIZE **Note 7**
- G.723.1(6.3K -> 5.3K) PAYLOAD_SIZE **Note 7**

Note 7: For payload type/payload size available for VS32, refer to Peripheral Equipment Description, Volume 1, Chapter 2, “3.1.1 Bandwidth Required for Voice Traffic.”

4. Data Sheet

(a) BASIC Setting

VS-ID:

	—		—		—		—		—	

Kind of VS Channel (CH)	Kind of VS Channel (KIND)	Kind of Conference trunk (CONF KIND)	Tenant Number (TN)	Station Number (STN) (Max.5 digits for Business system) (Max.6 digits for Hotel system)
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Kind of VS Channel (CH)	LENS				TEC	RSC	SFC	RT	TK	ANP	REP
	MG (00-31)	U (0-3)	G (00-23)	L (0-7)							
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											

Kind of VS Channel (CH)	ADM/GST (Note 1)	ROOM CLASS (Note 1)	ANNEX (Note 1)	GROUND (Note 1)	FLOOR (Note 1)
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Note 1: This parameter appears only for Hotel system.

(b) Detail Settings

VS-ID:

_	—	_	—	_	—	_	—	_	—	_

Setting of External Input Interface

Adjust External Input Interface setting	
0dB	
10dB	
15dB	
20db	

Setting of 8/16/32-CONF

Adjust 8/16/32-CONF setting	
Send notice tone when there is change in number of conferee	
Number of conferee [3~8]	
Value of level to determine the speaker/non-speaker[-55~-30dBm]	
Threshold value to define station/trunk[-30~0dBm]	
PAD value for adjusting conference level[-20~20dB]	
Interval time for call originating (PRESET)[1~255(×0.1sec)]	
Answering Time (MEET-ME)[0~255(×0.1sec)]	

Setting of 3-CONF

Adjust 3-CONF settings	
Threshold value to define station/trunk[-30~0dBm]	
PAD value for adjusting conference level[-20~20dB]	
PAD value for adjusting conference value when 3-party conference trunk is connected to UMS recording[-20~20dB]	
PAD value of UMS conversation recording	
PAD value of station conversation recording[-20~20dB]	
PAD value of Analog CO line conversation recording[-20~20dB]	
PAD value of Digital CO line conversation recording[-20~20dB]	
PAD value of Tie line conversation recording[-20~20dB]	
PAD value of conversation recording for station connected to VPS station [-20 to 20dB]	

Setting of Expansion mode

Enable the Expansion Mode	
No PB detection (MEET-ME)	
Not related when conference leader's port is released (PRESET)	
Do not restrict the call termination toward conferee port (PRESET)	

Setting of Payload size

Adjust Payload size setting of 3-CONF and 8/16/32-CONF	
G.711 PAYLOAD_SIZE	
G.729a PAYLOAD_SIZE	
G.723.1(5.3k) PAYLOAD_SIZE	
G.723.1(6.3k) PAYLOAD_SIZE	

Adjust Payload size setting of ANNC and MOH	
G.711 PAYLOAD_SIZE	
G.729a PAYLOAD_SIZE	
G.723.1(5.3k) PAYLOAD_SIZE	
G.723.1(6.3k) PAYLOAD_SIZE	

AIZP: Assignment of Internal Zone Paging Data

1. General

This command assigns Internal Zone Paging Group data. If the designated group number has already been assigned, the current data is displayed. If new data is assigned, the old data must be deleted before entering new data.

2. Precautions

1. Each Internal Zone Paging Group must be composed of a Desktop terminal station (TEC=12).
2. A maximum of 24 stations can be assigned to one Internal Zone Paging Group.
3. A maximum of 99 groups can be assigned to one tenant.
4. One Desktop terminal station can be assigned to multiple Internal Zone Paging groups.
5. Regardless of the tenant data table development, any Desktop terminal station in the system can be assigned to an Internal Zone Paging Group with the exception of IP stations, which are not supported in Paging Groups.
6. Internal Zone Paging Groups 1-4 are also used for Multi-Internal Zone Paging Group. This should be taken into consideration when assigning these first four groups.

3. Data Entry Instructions

TN: Tenant Number

IZPG: Internal zone paging group [1-99]

Enter the group number with a range of 1 to 99.

CNT: Number of stations

The member station number.

IZPTN: Internal zone paging Tenant Number

Enter TN number of Internal Zone Paging station.

IZPSTN: Internal zone paging station number [Maximum five digits]

Enter the station number.

4. Data Sheet

TENANT NUMBER (TN)	INTERNAL ZONE PAGING GROUP (IZPG) 1-99	NUMBER OF STATIONS (CNT)	INTERNAL ZONE PAGING TENANT NUMBER (IZPTN)	INTERNAL ZONE PAGING STATION NUMBER (IZPSTN) MAXIMUM 5 DIGITS
		1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		

AIZPN: Assignment of Internal Zone Paging Data for NDM

1. General

This command is used to assign Internal Zone Paging Group data in the FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Each Internal Zone Paging Group must be composed of a Desktop terminal station (TEC=12). This does not include IP stations, which are not supported in Paging Groups.
2. A maximum of 255 Internal Zone Paging groups can be assigned in one FCCS Network, however, the maximum number of IZP groups that can be used simultaneously is 252 when Multi-Internal Zone Paging Group is also used.
3. A maximum of 24 stations can be assigned to one Internal Zone Paging Group.
4. One Desktop terminal station can be assigned to multiple Internal Zone Paging groups.
5. Arranging the member stations of an Internal Zone Paging Group stretching over multiple nodes is not available.
6. Internal Zone Paging Groups 1-4 are also used for Multi-Internal Zone Paging Group. This should be taken into consideration when assigning these first four groups.

3. Data Entry Instructions

UGN: User Group Number [1-255]

NIZPG: Network Internal Zone Paging Group ID [1-255]

Enter the Internal Zone Paging group code in the FCCS Network with a range of 1 to 255.

Note: The number of digits for Internal Zone Paging group ID is determined by the ASYDL/ASYDN, SYS1, Index 804, Bit 3=0/1: two digits/three digits.

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the member stations within Internal Zone Paging Group.

CNT: Number of Telephone Number

4. Data Sheet

[illegible]

AKTDN: Assignment of Key Template Data for NDM

1. General

This command is used optionally when all terminals assigned with APPDN command are using the same key data. Key data assignment of AUPDN command can be simplified by using this command. Same data can be assigned per terminal base by using the AUPDN command.

1. The key template information assigned by this command can be allocated to the stations by using the AUPDN command.
2. When assigning the key data by using the AUPDN command or key template of AKTDN, Multiline can be assigned over FCCS, but call origination/termination is available only when the Multiline is accommodated within the same node to which it is registered.
3. When the template data is changed, the changed data is not automatically reflected to the station using that template data. To reflect the change, press the [LIST of USED TELN] button to activate RKTSN command. After that, display the station list using the template then press the [RESET] button.
4. The update interval of Key Template Name depends on the number of Key Template Data already registered.

2. Data Entry Instructions

Operation

Choose the operation for the assignment of key template data.

- Change

Key Template Name List: the Key Template Name already assigned will be displayed.

- Add

Key Template Name: the Key Template Name to be assigned (Maximum: 254 kinds named with 14 digits of single byte characters)

Designate As Source: Add a check to display the Key Template Name List.

- Key Template Name List: the Key Template Name already assigned will be displayed.

[GET], [LIST of USED TELN], [SET] and [DEL] button will be active by choosing Operation.

By pressing the [GET] button, key information will be displayed when you chose “Change” in Operation. When you chose “Add”, the input data of the last time will be displayed. However, if check is added to “Designate As Source”, the key information chosen on the Key Template Name List will be displayed.

By pressing the [LIST of USED TELN] button, RTKSN command will be activated. For details, see RTKSN command in this manual.

By pressing the [SET] button, the Key Template chosen will be saved.

By pressing the [DEL] button, the Key Template chosen will be deleted.

◆ Base Information:

LKP: Line Key Pattern

Assign the Line Key Pattern of the terminal.

- 1: 16 Lines/Function Keys + DSS Keys
- 2: 24 Lines/Function Keys + DSS Keys
- 3: ALL Lines/Function Keys

SKP: Soft Key Pattern [0-15]

Assign the Soft Key Pattern

PG: Page Scroll

Add a check to display the scroll key (>>>) on the LCD of terminal.

PRI: Priority of Answering Call

Choose the priority to answer the call.

- 0: Line Selection
- 1: Dial Intercom Line (Ringing Station) > Line Selection
- 2: Automatic Intercom Line (Ringing Station) > Line Selection
- 3: Manual Intercom Line (Signaling Station) > Line Selection
- 4: Automatic Intercom Line (Ringing Station) > Manual Intercom Line (Signaling Station) > Line Selection

MWD: Message Waiting Data Display Selection

- 0: MW data display on the top line
- 1: MW data display on the bottom line

Line Preference (SPK, ANS and ORG)

SPK: Line Preference for Speaker Button.

- 0: Prime Line Preference

ANS: Line Preference for Answer Button or Handset. **Note 1**

- 0: Incoming Line Preference (Button Location Ascending Order)
- 1: Incoming Line Preference (Button Location Ascending Order)
- 2: Ringing Line Preference (CO Incoming Call has precedence)

ORG: Line Preference for Originating Button or Handset. **Note 2**

0: Idle Line Preference (Button Location Ascending Order)

1: Idle Line Preference (Button Location Ascending Order)

2: Prime Line, Idle Line Preference (Button Location Ascending Order)

Note 1: When using the handset, [Line Preference] is performed by this data only when preset answer has been set.

Note 2: Take notice of the following.

- When using the handset, [Line Preference] is performed by this data only when preset answer has been set.
- If the Prime Line is busy, Idle Line Preference (Button Location Ascending Order) is selected.

◆ **Function Key Data:**

The feature key information assigned will be displayed. Also, the displayed feature key information can be changed.

KYN: Key Number [1-40]

Key number to be modified.

KYI: Service Index

0=-

1=Function Key

2=Multi-line

FKY: Function Key [1-320] Note 3

Function Key Number: Function Key Number

Service Name Note 3

The feature to be assigned towards that Function Key.

LKD: Line Kind Note 4

Enter the type of line.

0=Sub Line

1=My Line

UGN: User Group Number [1-255] Note 5

TELN: Telephone Number Note 5

TN: Tenant Number

STN: Station Number

FPC: Fusion Point Code

POP1: Designate as Prime Line **Note 4**

0=Out of Service

1=In Service

POP2: Restrict OG **Note 6**

0=Allowed

1=Restricted

RG: Ringing Information **Note 4**

INVALID

DAY Only

NIGHT Only

VALID (DELAY TIME is 30 sec)

VALID (DELAY TIME is 20 sec)

VALID (DELAY TIME is 10 sec)

VALID

Note 3: This parameter is available when KYI=1 (Function Key) is assigned.

Note 4: This parameter is available when KYI=2 (Multi-line) is assigned.

Note 5: This parameter is available when KYI=2 (Multi-line) and LKD=0 (Sub Line) are assigned.

Note 6: This parameter is available when KYI=2 (Multi-line) and POP1=1 (In Service) are assigned.

◆ Dedicated Function Key:

The Dedicated Function Key (Flex key) information assigned will be displayed. Also, the displayed feature key information can be changed.

KYN2: Key Number 2 [1-16]

KYI2: Service Index 2 [0-1]

0= -

1= Function Key

FKY: Function Key [1-320] Note 7

Service Name: Note 7

The feature name assigned to FKY.

Note 7: This parameter appears by choosing “Function Key” for the Service Index 2.

3. Data Sheet

- Base Information

[illegible]

- Function Key tab

[illegible]

- Dedicated Function Key

[illegible]

AKYD: Assignment of Key Data for Dterm

1. General

This command assigns the following key data corresponding to each Line/Feature key on a Desktop terminal.

- Line Key Data
- Function Key Data
- Intercom Key Data
- DSS Key Data

Note: The DSS Key Data (KD=2) assigned by this command is different from the DSS key specified by ADKS command. On the Line/Feature key, the station number can be specified to the target key. For this key, the specified station number cannot be changed on the terminal.

2. Precautions

1. Desktop terminals (DT800 Series, DT400 Series, DT700 Series, DT300 Series, Dterm Series i, DtermIP INASET, and IP Enabled Dterm) have default key data. If the default data is to be used, assignment in AKYD is not necessary. For the default key data, refer to the table below.

Default Data for Each Line/Feature key (AKYD)

KEY NO.	DEFAULT DATA	KEY NO.	DEFAULT DATA
1	Call Pickup	9	Prime Line
2	Call Forwarding-Busy Line / Don't Answer	10	Speed Calling One-Touch
3	Call Forwarding-All Calls	11	Speed Calling One-Touch
4	Executive Right-of Way	12	Speed Calling One-Touch
5	Voice Call	13	Speed Calling One-Touch
6	Message Reminder	14	Speed Calling One-Touch
7	Save and Repeat	15	Speed Calling One-Touch
8	Last Number Call	16	Speed Calling-System

However, the key data for all the keys must be assigned if any key is changed from the default settings. For the key data settings of 24/32-button Desktop terminal, if there is no data assignment to KYN 1-16, the default data is applied to KYN 1-16. Also, the key data turns back to the default settings if the data assigned by this command is deleted. **Note 1**

Note 1: KYN 13-16 do not exist for DT800 Series: DT830 (12-button type)/DT830G (12-button type (12DG/12CG))/DT700 Series: DT730 (12-button type)/DT730G (12-button type (12DG/12CG))/DT400 Series: DT430 (12-button type) and DT300 Series: DT330 (12-button type). Assignment of key data is mandatory for Desktop terminal with 8 keys or less.

2. The following shows the specification pertaining to data assignment for the Desktop terminal. **Note 2**

Note 2: Be sure to assign My Line data by this command when using 4-button/8-button type Desktop terminal (including Cradle type).

Key Data Assignment (AKYD)

TYPE OF TERMINAL	LINE/FEATURE KEY Note 3	NUMBER OF BUTTONS
DT800 Series: DT830	12-button type	KYN=1-12 12
	24-button type	KYN=1-24 24
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32) 32 (virtual)
DT800 Series: DT830G	12-button type (12DG)	KYN=1-12 12
	12-button type (12CG) (with Color LCD)	KYN=1-12 12
	24-button type (24DG)	KYN=1-24 24
	24-button type (24CG) (with Color LCD)	KYN=1-24 24
DT800 Series: DT820	8-button type (DESI-LESS) Note 5	KYN=1-8 Note 8 8
		KYN=1-16 (optional license) Note 9 16 (virtual)
		KYN=1-32 (optional license) Note 8 32 (virtual)
	6-button type	KYN=1-6 6
DT400 Series: DT410	2-button type (without LCD)	KYN=1-2 2
	6-button type	KYN=1-6 6
DT400 Series: DT430	12-button type	KYN=1-12 12
	24-button type	KYN=1-24 24
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32) 32 (virtual)
DT700 Series: DT710	2-button type (without LCD)	KYN=1-2 2
	6-button type	KYN=1-6 6
	8-button type (DESI-LESS) Note 5, Note 6	KYN=1-8 8 (virtual)
DT700 Series: DT730	12-button type	KYN=1-12 12
	12-button type (with PSA Unit) Note 4	KYN=1-12 12
	24-button type	KYN=1-24 24
	24-button type (with 8LK Unit)	KYN=1-32 (24+8) 32
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32) 32 (virtual)

Key Data Assignment (AKYD)

TYPE OF TERMINAL		LINE/FEATURE KEY Note 3	NUMBER OF BUTTONS
DT700 Series: DT730G	12-button type (12DG)	KYN=1-12	12
	12-button type (12CG) (with Color LCD)	KYN=1-12	12
	24-button type (24DG)	KYN=1-24	24
	24-button type (24CG) (with Color LCD)	KYN=1-24	24
DT700 Series: DT750	Color LCD display type	KYN=1-32 (8 x 4=32)	32 (virtual)
DT700 Series: DT770G	Cradle type	KYN=1-2	2
DT300 Series: DT310	2-button type (without LCD)	KYN=1-2	2
	6-button type	KYN=1-6	6
	12-button type (without LCD) Note 7	KYN=1-12	12
DT300 Series: DT330	12-button type	KYN=1-12	12
	12-button type (with PSA Unit) Note 4	KYN=1-12	12
	12-button type Cordless Terminal	KYN=1-12	12
	24-button type	KYN=1-24	24
	24-button type (with 8LK Unit)	KYN=1-32 (24+8)	32
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32)	32 (virtual)
DtermIP INASET Classic	8-button type	KYN=1-8	8
DtermIP INASET 240G	4-button type	KYN=1-16	16 (virtual)
DtermIP INASET 320G	8-button type	See Figure "DtermIP INASET"	32 (virtual)
DtermIP INASET 320C	8-button type	See Figure "DtermIP INASET"	32 (virtual)
DtermIP INASET 320C (XML version)	8-button type	KYN=1-16	16 (virtual)
Dterm Series i/ IP Enabled Dterm	4-button type	KYN=1-4	4
	8-button type	KYN=1-8	8
	16-button type	KYN=1-16	16
	32-button type	See Page 722	32

Note 3: The number of available Line/Feature keys differs according to LKP parameter in ADKS command. Depending on the key pattern, DSS key will be arranged. For the details, refer to ADKS command.

Note 4: Analog PSTN Adapter (PSA) Unit enables a Desktop terminal to switch to Public Switched Telephone Network (PSTN) when power failure occurs.

Note 5: DT800 Series: DT830 (8-button type)/DT820 (8-button type)/DT700 Series: DT730 (8-button type)/DT710 (8-button type) DT400 Series: DT430 (8-button type) and DT300 Series: DT330 (8-button type), which are enabled to display programmable Line/Feature key information on its Liquid Crystal Display (LCD), will hereafter be called DESI-LESS.

Note 6: Dterm Series *i* mode is not supported.

Note 7: Available only in North America.

Note 8: The number of Line/Feature keys depends on the terminal license setting (for North America) or terminal model (for EMEA/Asia/Australia).

Note 9: Supported for North America only.

- Before assigning the key data for a Desktop terminal using this command, be sure to assign the station data of the Desktop terminal using the ASDT command (TN, STN, TEC=12 (Desktop terminal)). The station number assigned by the ASDT command is referred to as My Line. **Note 10**

Note 10: For Digital terminal, this My Line corresponds to the physical port associated with the LENS of an ELC card.

- By assigning another station line to a Line/Feature key using this command, an incoming call terminated to a station line other than My Line can be answered or can be transferred as in the case of the My Line. A station line other than My Line is referred to as a Sub Line. A Sub Line can be assigned not only to a Desktop terminal but to any conventional telephone. In addition, the station data for My Line and Sub Line must be assigned by the ASDT command before the key data is assigned. When Sub Line and My Line belong to different tenants, use the ATNR command to clear the Tenant-to-Tenant Restriction.
- A Multi-Line key (the key for My Line and Sub Line) on the Desktop terminal can be assigned as Prime Line. If a separate Prime Line is not assigned, My Line can serve as the Prime Line. When the user goes off-hook, the Prime Line is automatically selected on the Desktop terminal.
- A Virtual Line can be assigned as a Sub Line of the Desktop terminal. The Virtual Line can be used the same way as the My Line for outgoing calls and other service operations. **Note 11**

Note 11: Virtual Line-A virtual LENS exists only in memory, but does not exist physically. Data can be assigned but no hardware is required. For example, LENS=000311. The virtual LENS is assigned by the ASDT command in the same way as an ordinary line (the telephone class is TEC=18: Virtual Line).

- The ability to assign Sub Line appearances across Module Groups is available when ASYD command SYS1, Index 321, b0=1 is assigned. For more information, refer to Expanded Multiple Line Operation- D [E-26] of Data Programming Manual- Business. (This feature is available for Dterm Series *i* and DT800 Series/DT400 Series/DT700 Series/DT300 Series terminals only.)
- Expanded Multiple Line Operation-D [E-26] service is available only when KD=0 (Line) is entered. This service is not available when KD=1 (Intercom) or KD=2 (DSS key) is assigned.

9. When assigning key data to the Line/Feature key, take the following precautions:
- (a) There is no default key data provided for Desktop terminal (8-button type/24-button type/32-button type). The key data for all of the Line/Feature keys must be programmed.
 - (b) My Line key must be programmed.

Depending on the maximum number of Line/Feature key, assign the KYN (My Line key data) on the terminal. For the keys are not used, be sure to assign KYI=0 (Not used).

For 24-button type/32-button type, My Line key must be assigned within KYN=1-24.

- (c) Unused Line/Feature key should be assigned as KYI=0 (Not used).
 - (d) The following features are basically assigned to Flex keys:
 - FKY=8: Last Number Call
 - FKY=13: CONF (Three-Way Calling)
 - FKY=15: DIRECTORY (Speed Calling-System)
 - FKY=18: TRANSFER (Call Transfer-All Calls)
 - FKY=20: HOLD (Non-Exclusive Hold/Exclusive Hold)
 - FKY=27: Originate (ORG) (Only for Dterm Series *i* [DTR-8D-1R/DTR-16D-1R/DTR-32D-1R])
 - FKY=28: ANSWER
 - FKY=49: Speed Calling-One Touch
 - FKY=51: MIC
 - FKY=52: SPEAKER
 - FKY=57: RECALL
 - FKY=147: MESSAGE
10. If assigning My Line when using a 16 or less -button type terminal, My Line must be assigned to any key within the number of existing keys.
11. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
12. FKY=49: Speed Calling-One Touch can be assigned to a maximum of 16 consecutive Key Numbers (KYNS). **Note 12**
- Note 12:** Speed Calling-One Touch data for Digital terminals and IP stations can be saved in the HD by BOSD command. In the case of IP terminals, system data assignment (ASYD, SYS1, Index 507, Bit 3=1) is required beforehand.
13. FKY=49: Speed Calling-One Touch cannot be programmed to fixed function keys (Flex keys).
14. For Call Forwarding-Busy Line and Call Forwarding-Don't Answer, refer to ASYD, SYS1, Index 5 (separate/common access for CF-Busy Line and CF-Don't Answer). If common access codes are assigned, only one key is required to activate the features. If separate access codes are assigned, separate Feature keys must be assigned.
15. FKY=55: One-Touch changeover (PAGE) should be assigned when registering destination numbers greater than 16 as one-touch speed calling codes. **Note 13**
-

Note 13: Each one-touch button is assigned a two-page memory (Page 0 and Page 1). One destination number can be assigned on a page basis. When originating an outgoing call, the page of one-touch button can be designated by this Feature key.

16. In conjunction with intercom service, take the following precautions:

- (a) Before assigning the Intercom key data using this command, assign the Intercom Group data using the command AICD/ADIM.
- (b) When providing the Intercom service, assign “The response priority when the SPEAKER button is pressed or the station goes off-hook” in the parameter PRI. When not providing the Intercom service, assign PRI=0.

17. When key data is assigned for a Digital terminal by this command, the corresponding ELC card must be reinitialized (by flipping the MB key OFF → ON). When key data is assigned for an IP Multi Line terminal/SIP Multiple Line terminal, the terminal is automatically reset. **Note 14**

Note 14: When key data is assigned while the telephone is being used (making a call, on call, receiving a call with My Line, etc.), the telephone is reset after it becomes idle. When the telephone is in headset mode (headset key lamp is ON), the telephone is not automatically reset. Reset the telephone with manual operation or by the DISD command, after this data assignment.

18. A maximum of eight soft keys can be assigned via Soft Key Assignment Feature key (FKY=122). **Note 15**

Note 15: Six soft keys available at the maximum when page scroll key soft key is displayed on the LCD.

19. Soft key data to be assigned via Soft Key Assignment Feature key (FKY=122) is not available for each different condition on the Desktop terminal.

20. The same function data cannot be assigned to both Feature key and soft key.

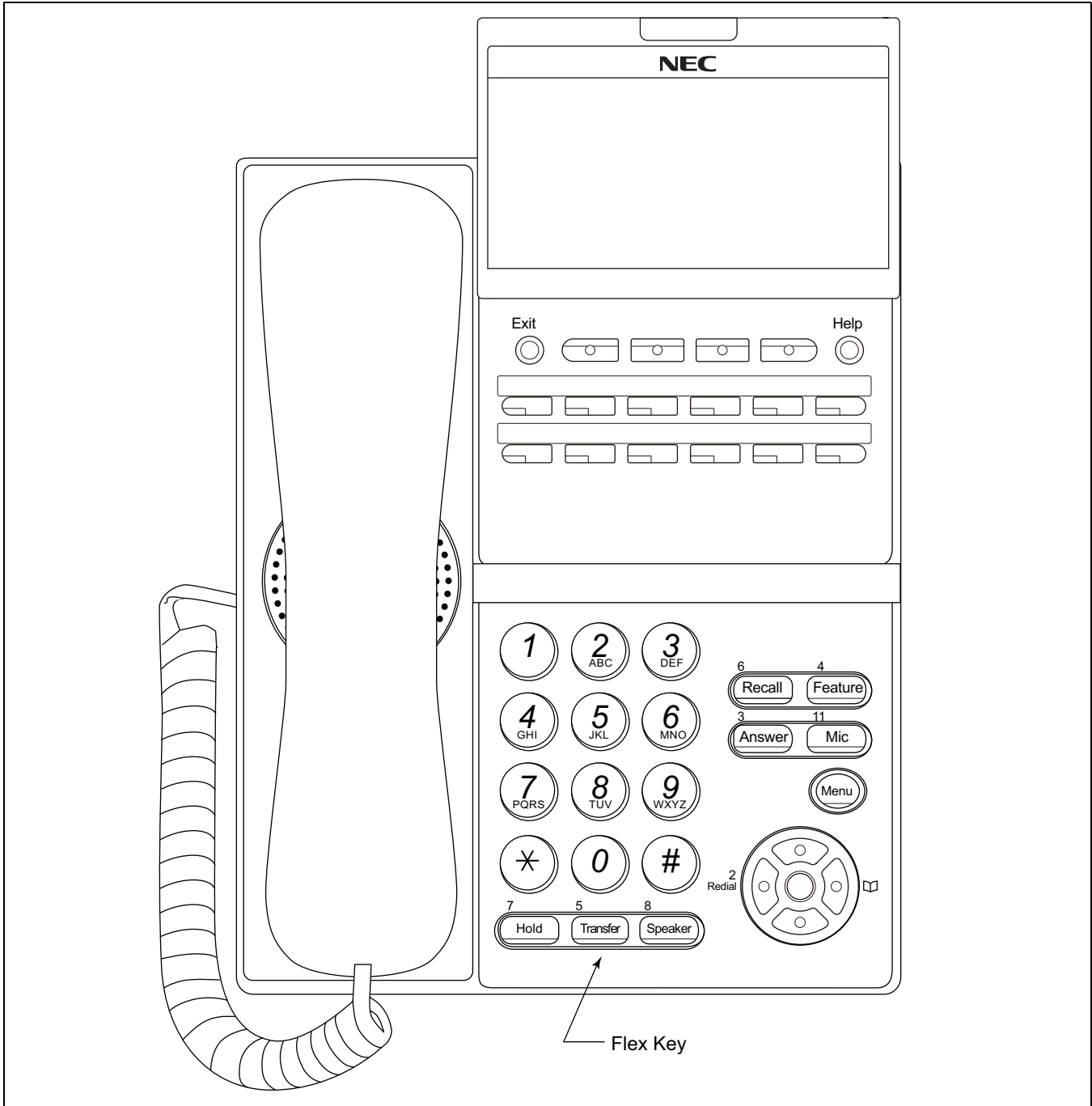
21. FKY 34 to 47 programmed in this command must be set to all nodes providing ACD service for FCCS Network.

22. The conditions of the Cordless Terminal DT330 (12BT)) are as follows.

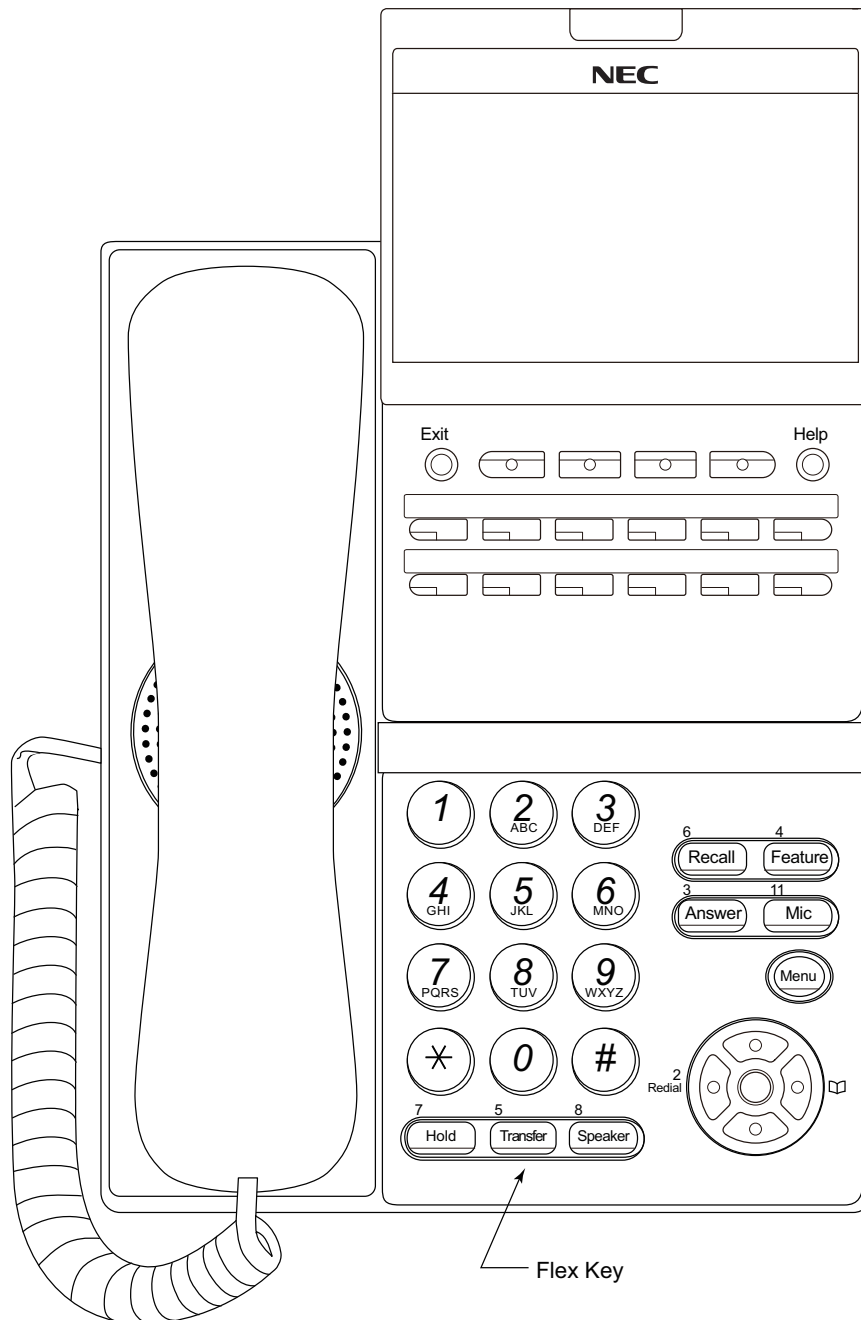
- The Line keys (KYN1-8) are the same settings between the Bluetooth Cradle and the Bluetooth Handset. When the Line key of the Bluetooth Cradle is changed to other function, the Line key of Bluetooth Handset is changed to the same function. Different functions cannot be assigned between the Bluetooth Cradle and the Bluetooth Handset.
- When the Flex key of the Bluetooth Cradle is changed to other function, the Flex key of Bluetooth Handset is changed to the same function. Different functions cannot be assigned between the Bluetooth Cradle and the Bluetooth Handset.

Note: However, the Transfer key on the Bluetooth Handset cannot be assigned to other function, because being used as the key for clearing the display of message such as “Base Unit in Use” in an idle state (equivalent to the Exit key of the Bluetooth Cradle). And the CALL key and the DISC key cannot be assigned for other feature.

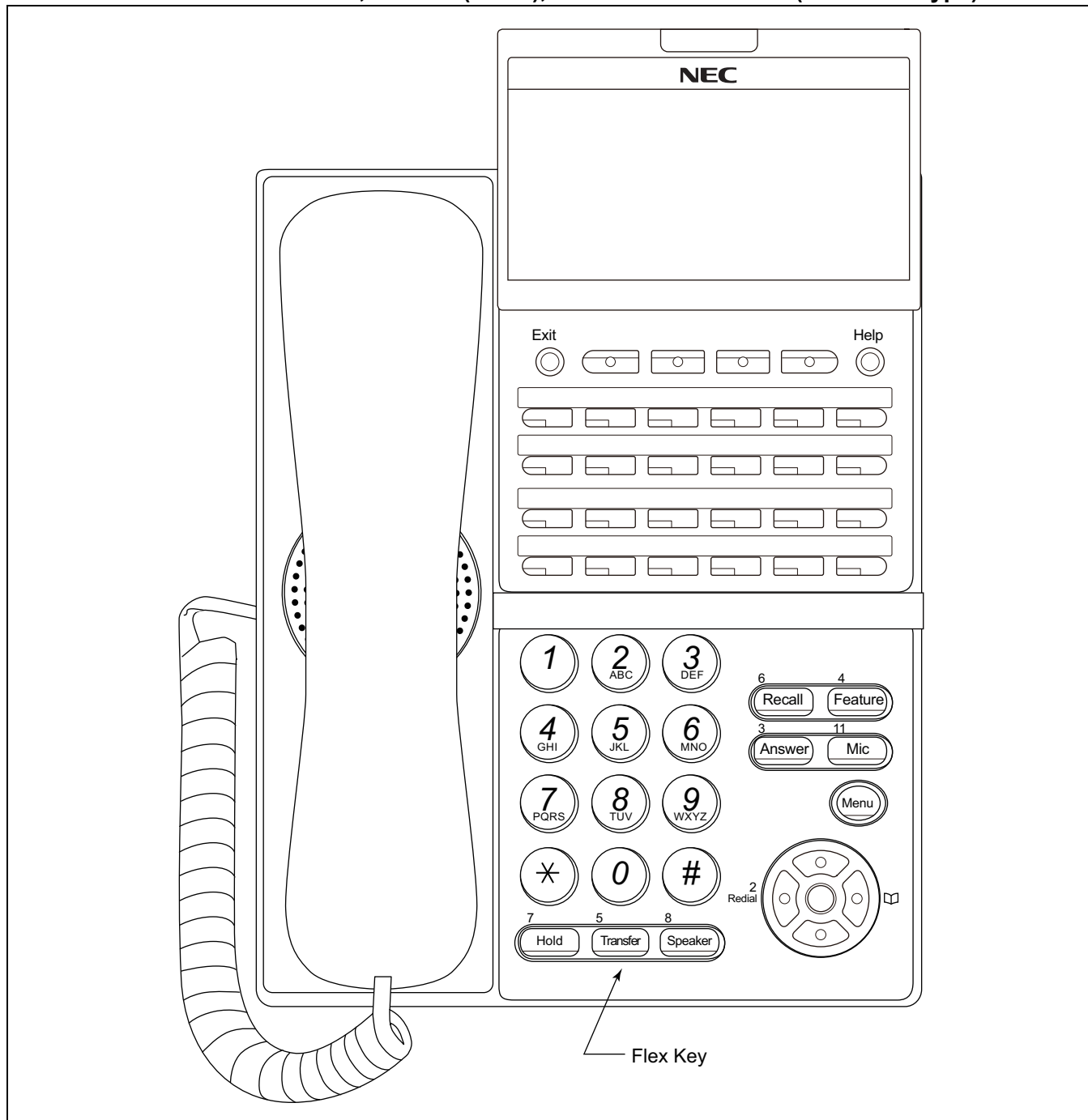
Note: DT330 (12BT) is currently not supported on IPG.

DT800 Series: DT830, DT830G(12DG), DT400 Series: DT430 (12-button Type)


Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT800 Series.

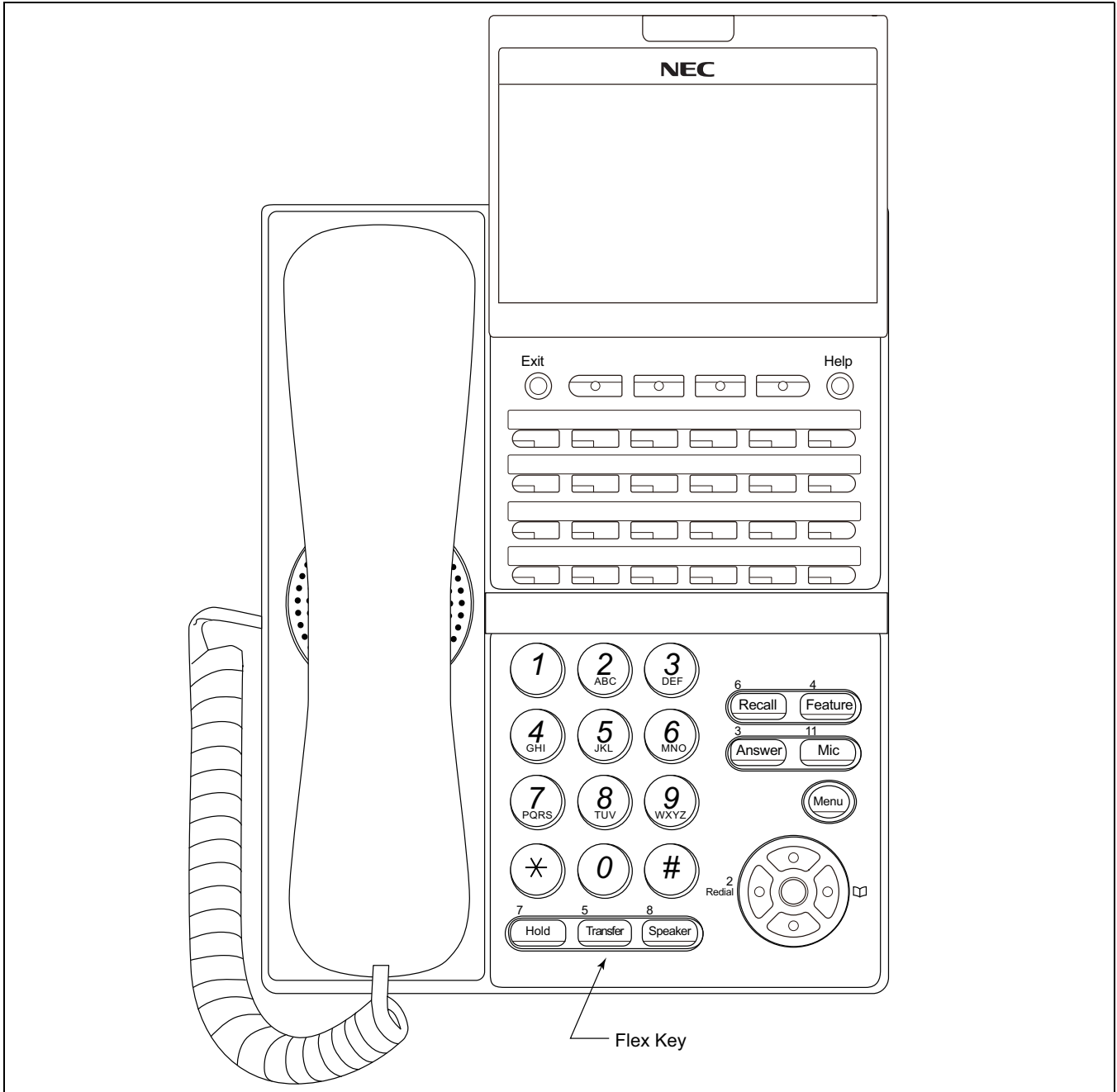
DT800 Series: DT830, DT830G(12CG)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT800 Series.

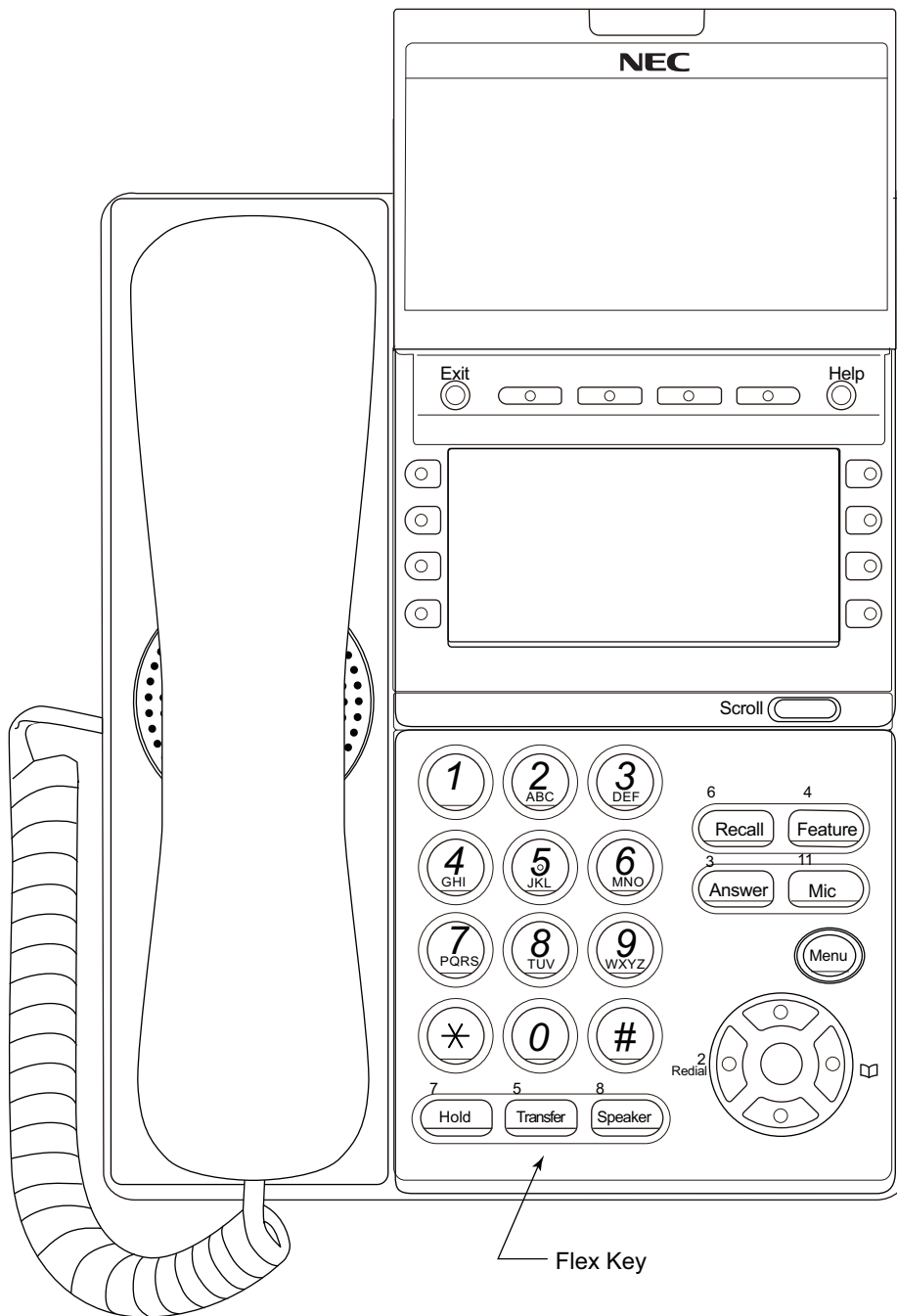
DT800 Series: DT830, DT830G(24DG), DT400 Series: DT430 (24-button Type)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT800 Series.

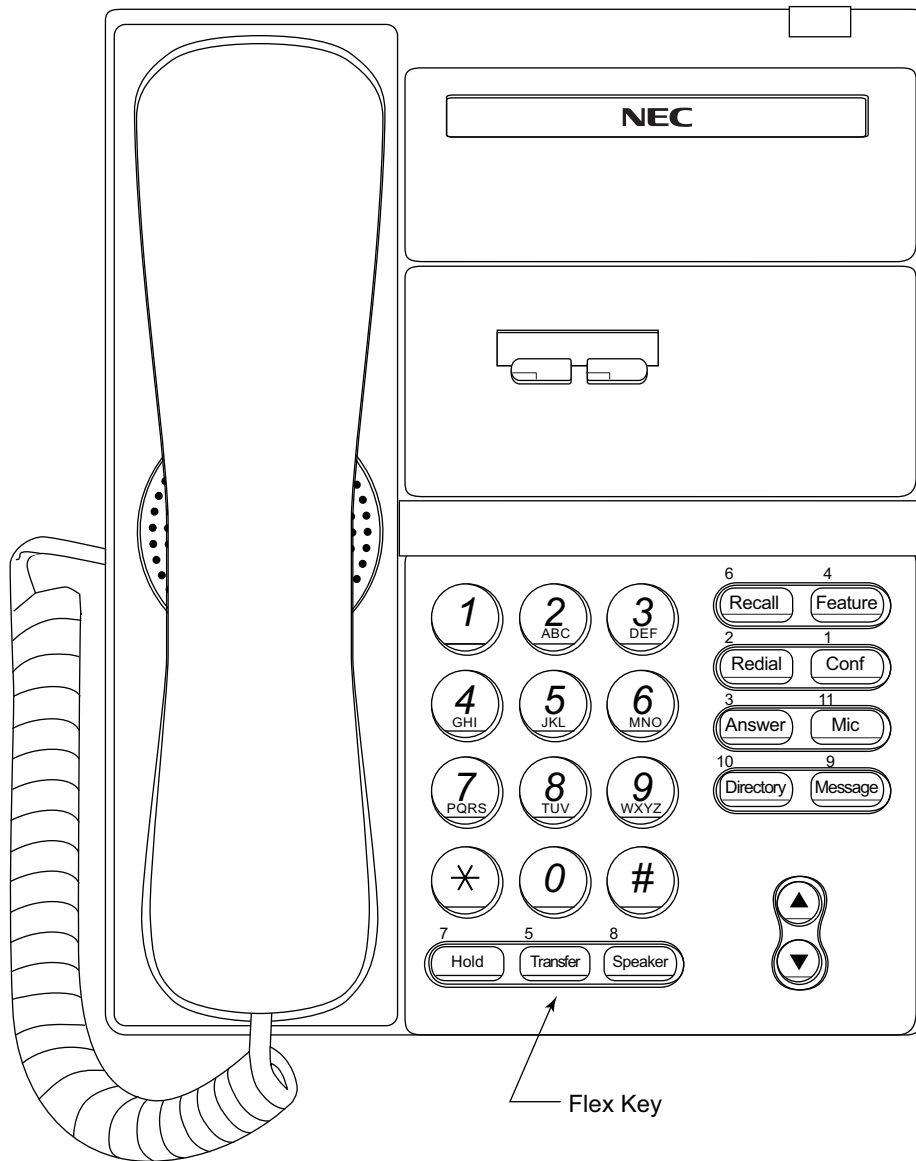
DT800 Series: DT830G(24CG)

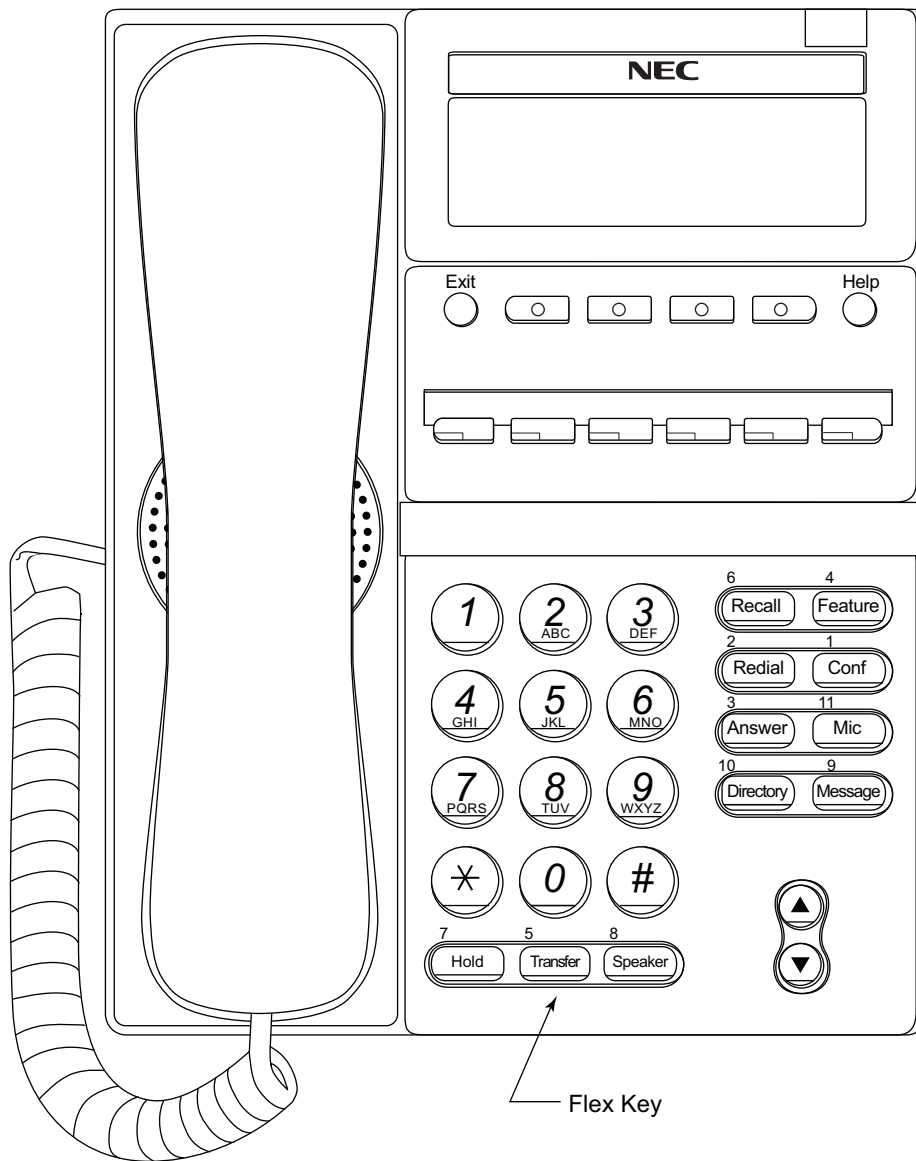


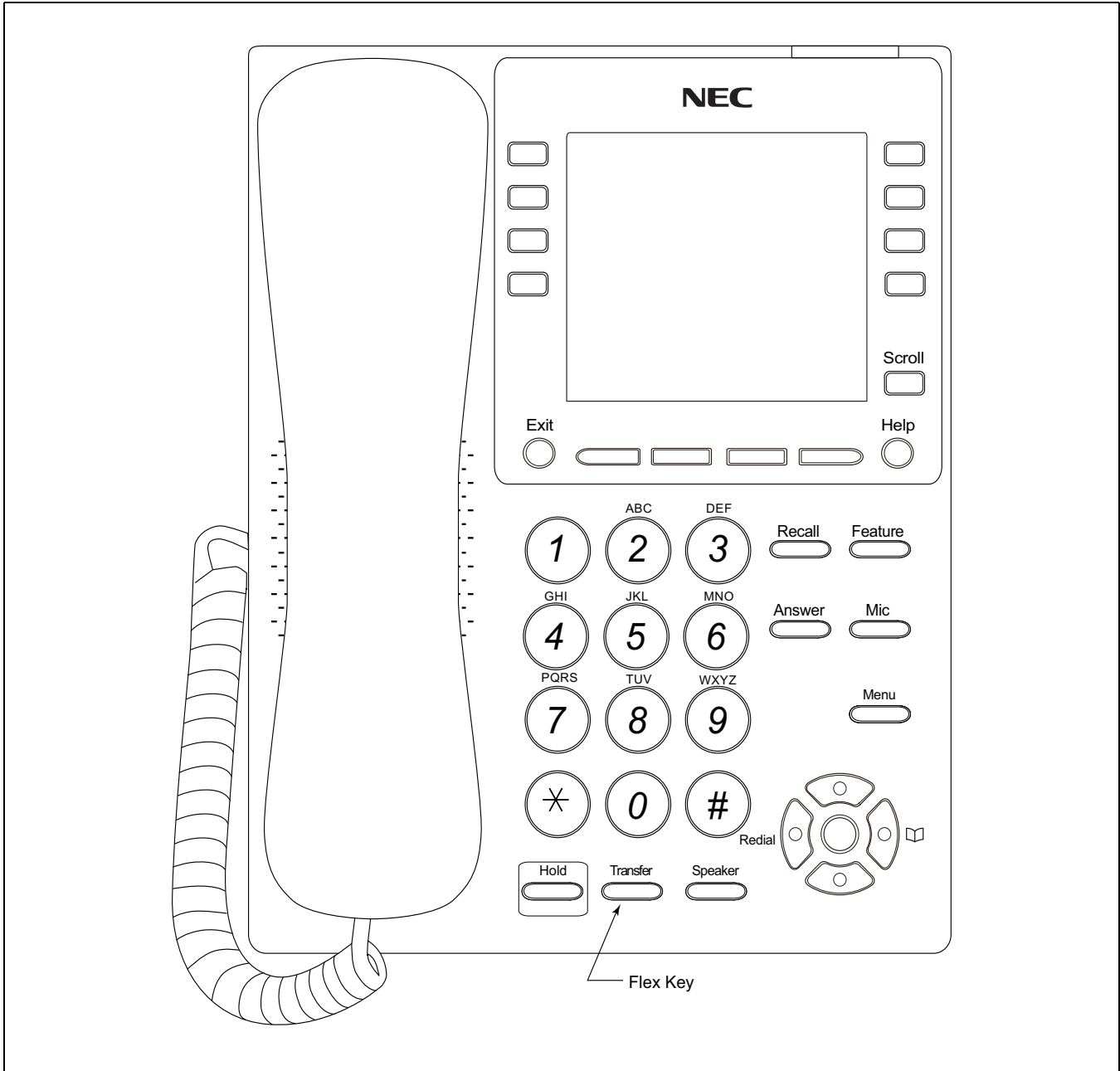
Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT800 Series.

DT800 Series: DT830/DT400 Series: DT430 (8-button Type DESI-LESS)

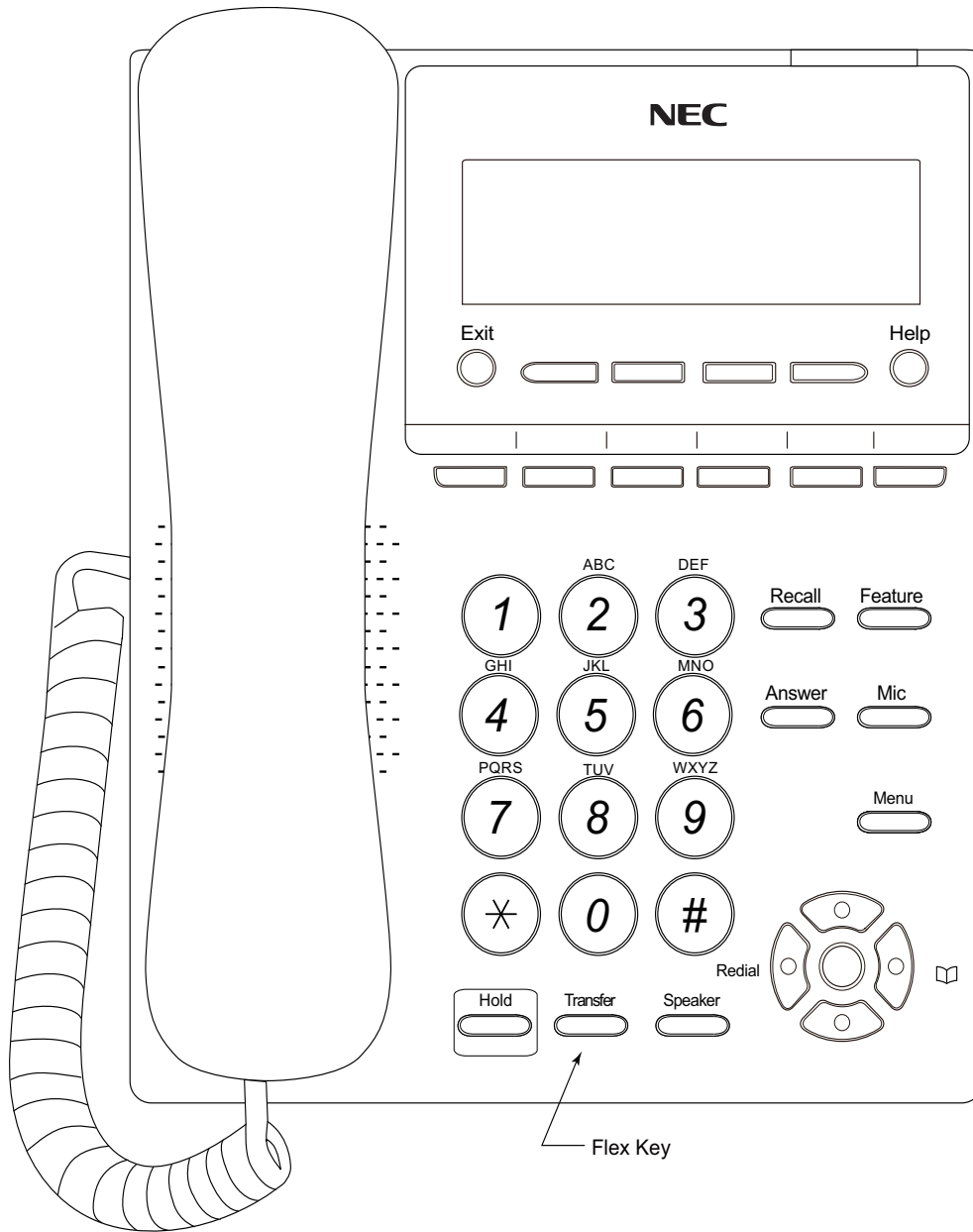
Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT800 Series.

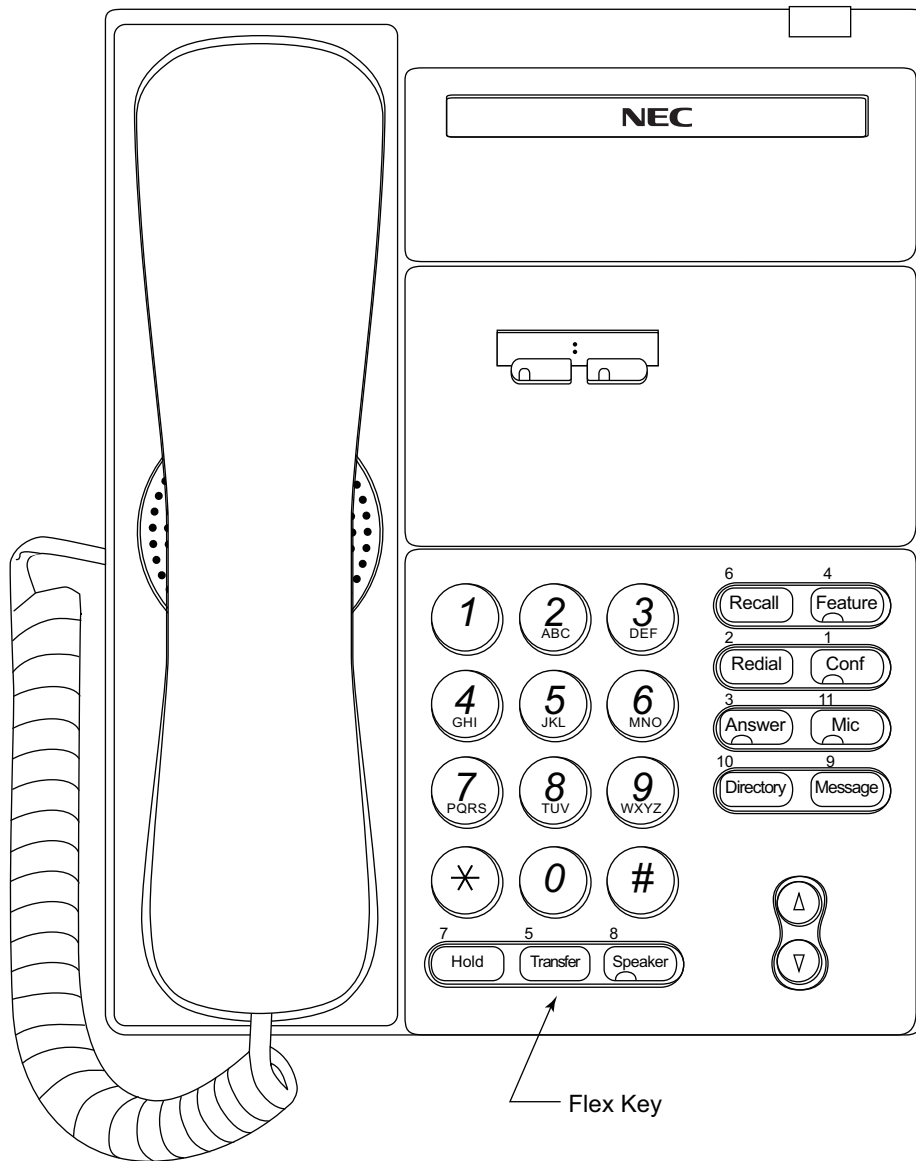
DT400 Series: DT410 (2-button Type without LCD)

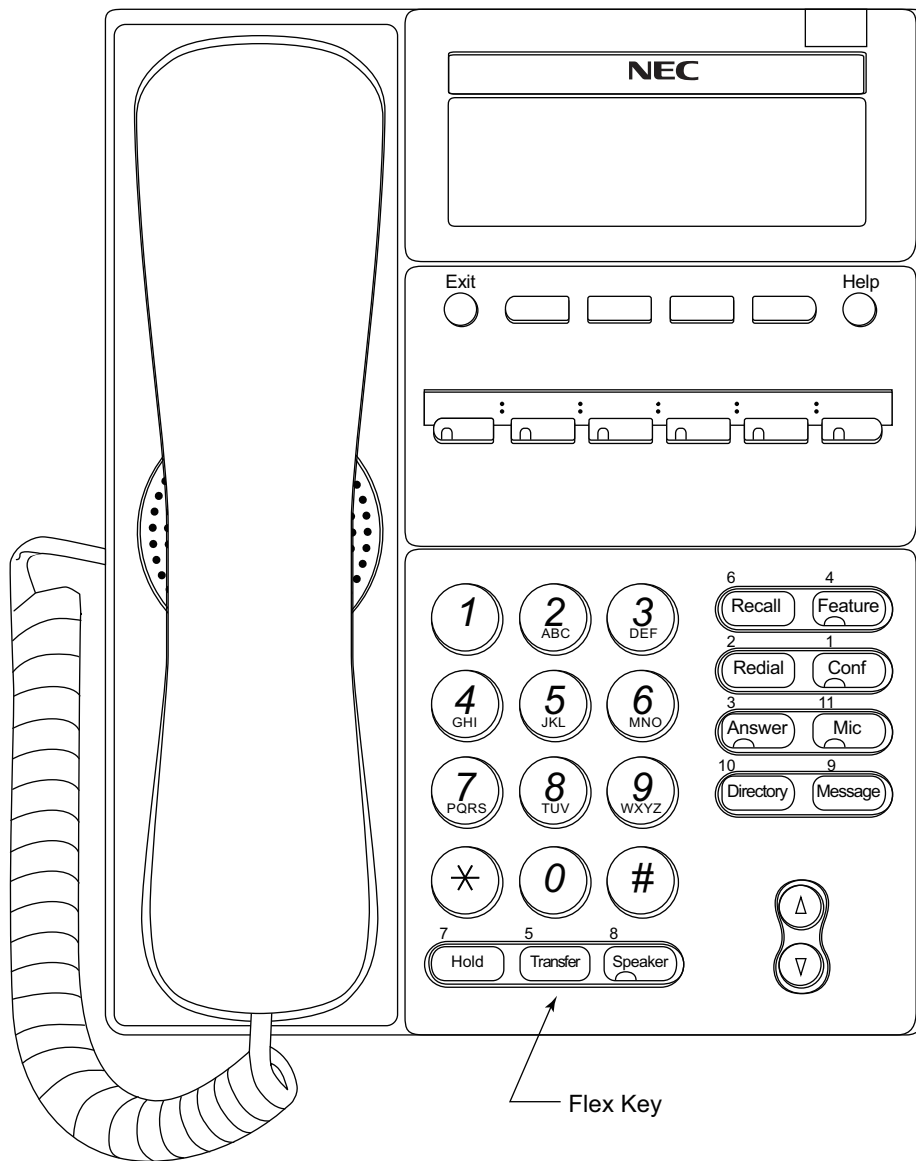
DT400 Series: DT410 (6-button Type)

DT800 Series: DT820 (8-button Type DESI-LESS)

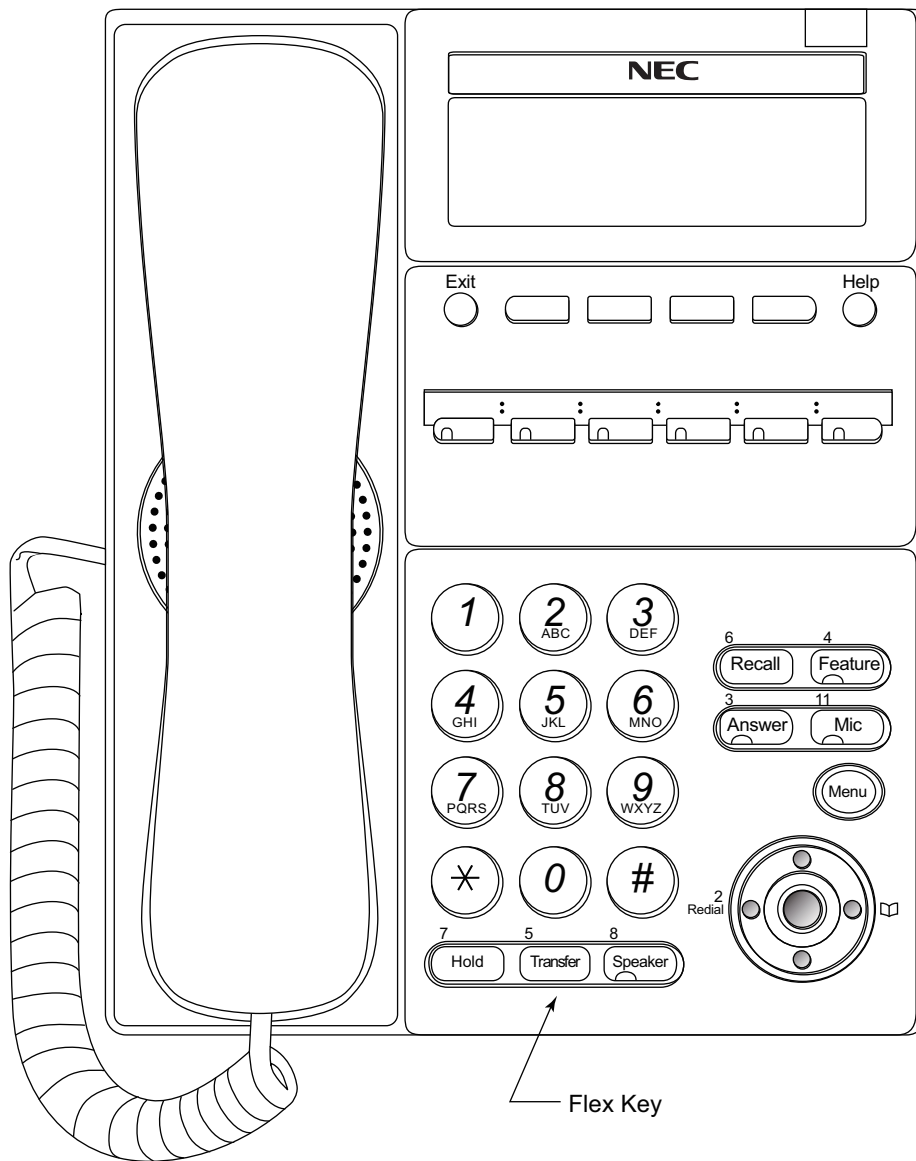
DT800 Series: DT820 (6-button Type)



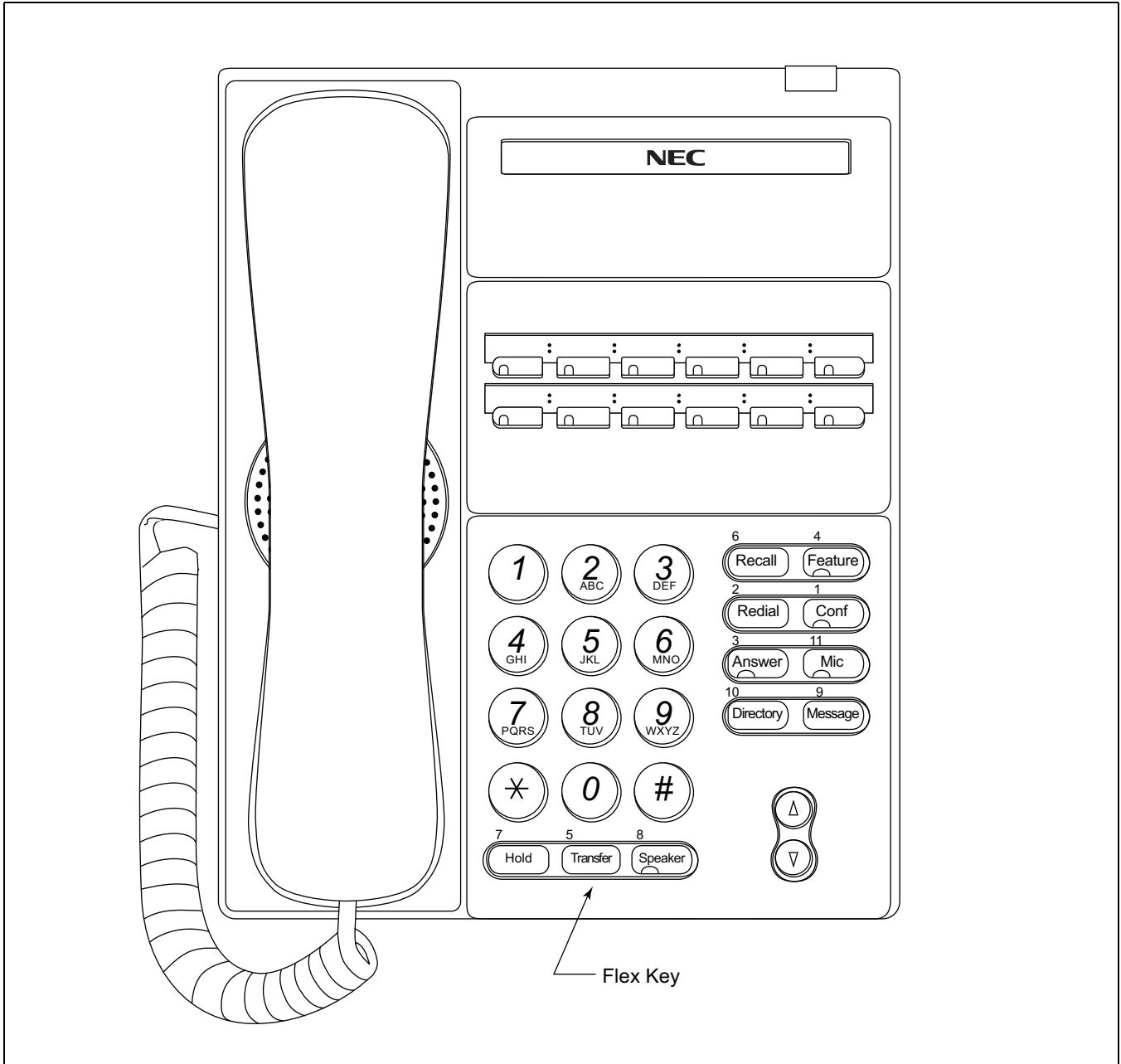
DT700 Series: DT710/DT300 Series: DT310 (2-button Type without LCD)

DT300 Series: DT310 (6-button Type)

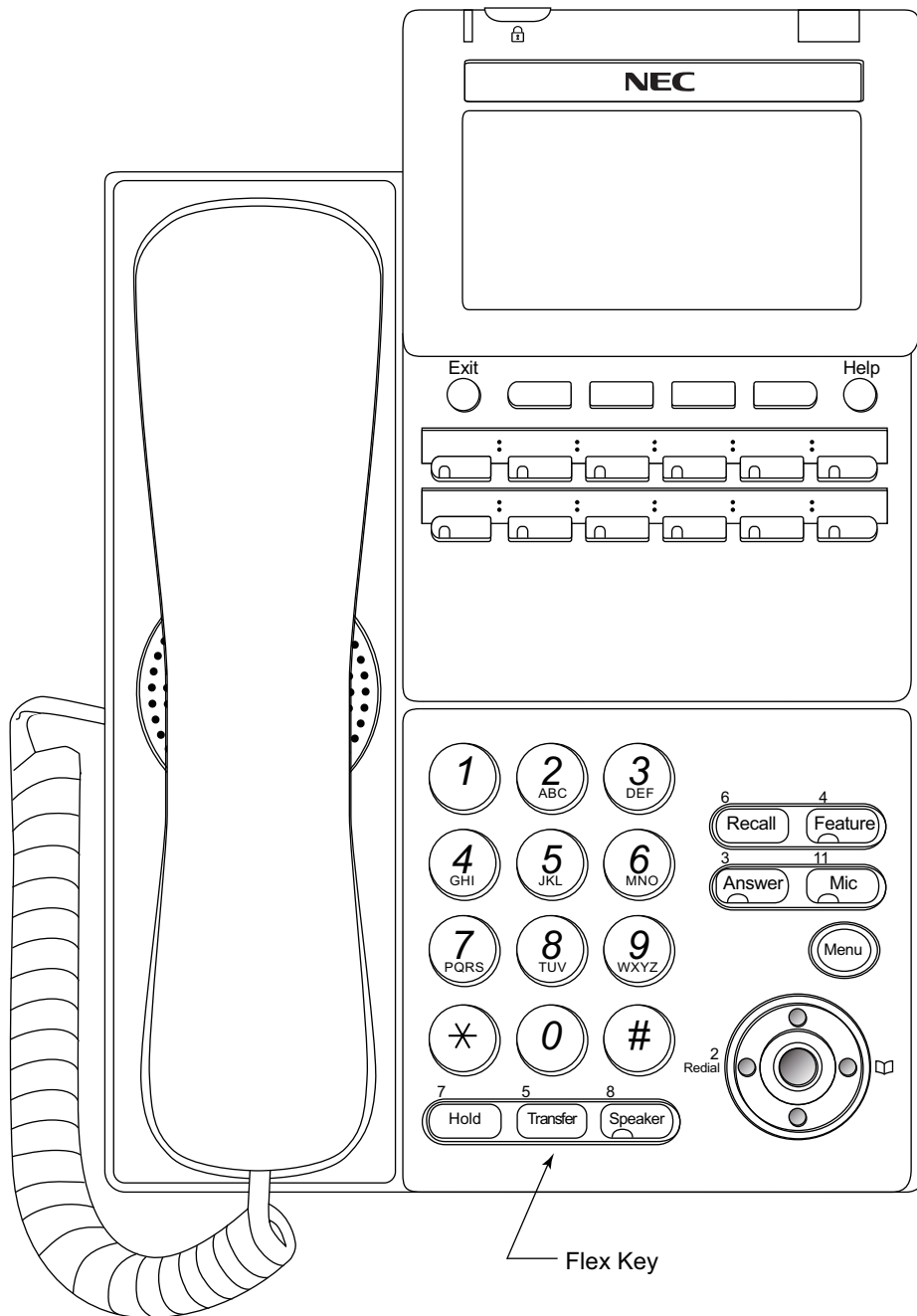
DT700 Series: DT710(6-button Type)



Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

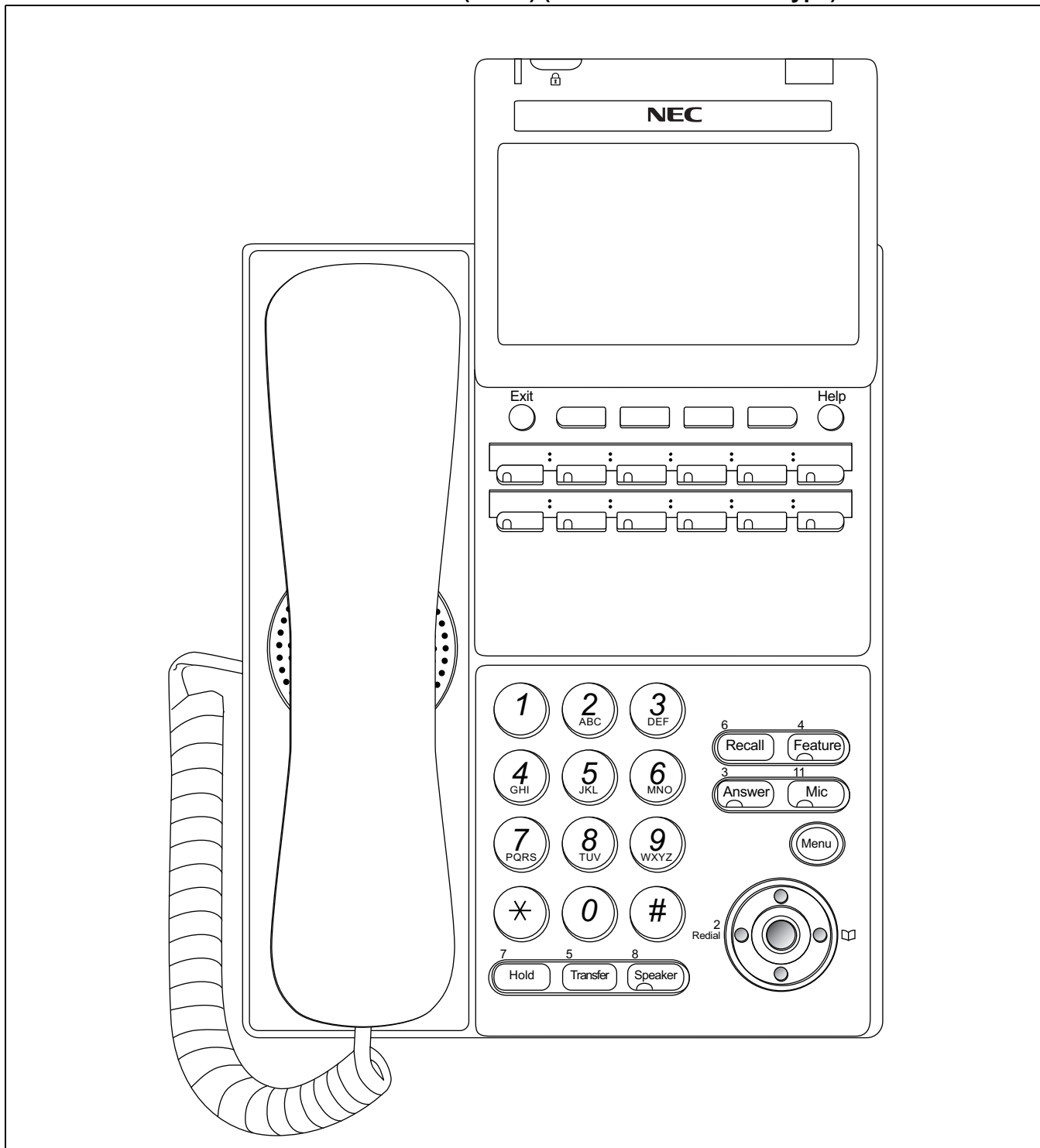
DT300 Series: DT310 (12-button Type without LCD)

Note: This terminal is available in North America only.

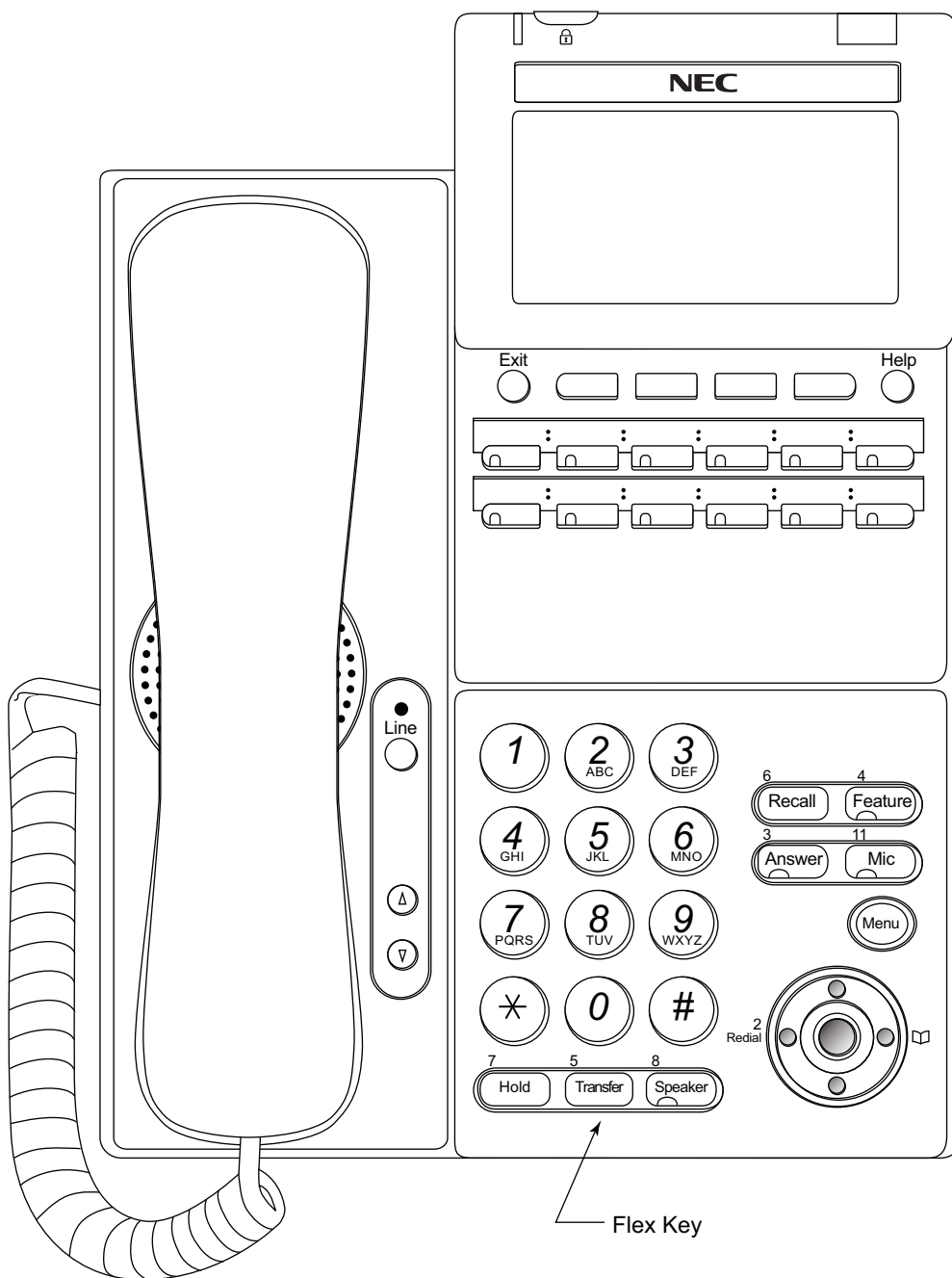
DT700 Series: DT730, DT730G(12DG), DT300 Series: DT330 (12-button Type)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

Note: DT330 has no security button.

DT700 Series: DT730G (12CG) (12-button Color LCD Type)

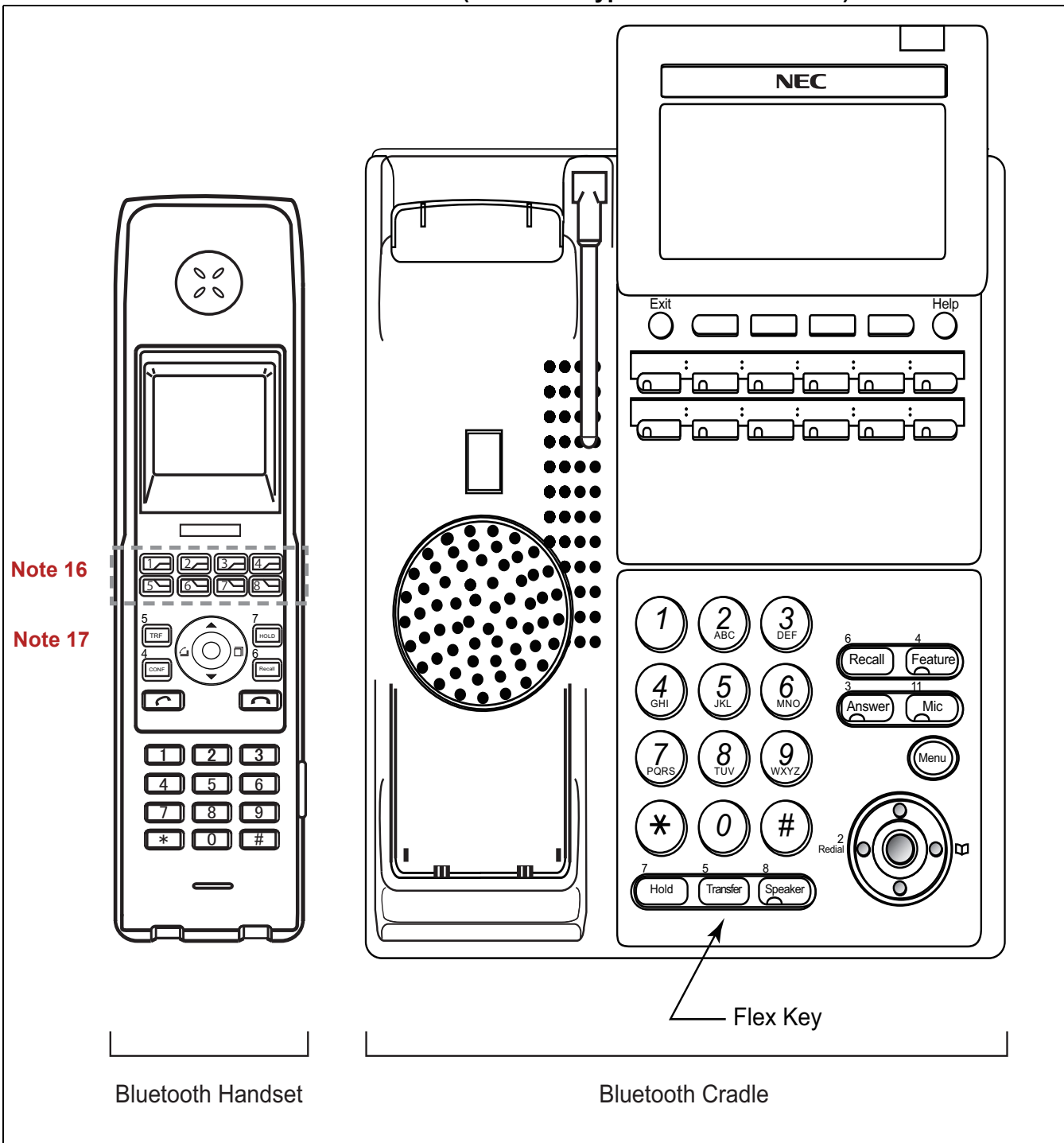
Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

DT700: DT730/DT300 Series: DT330 (12-button Type with PSA Unit)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

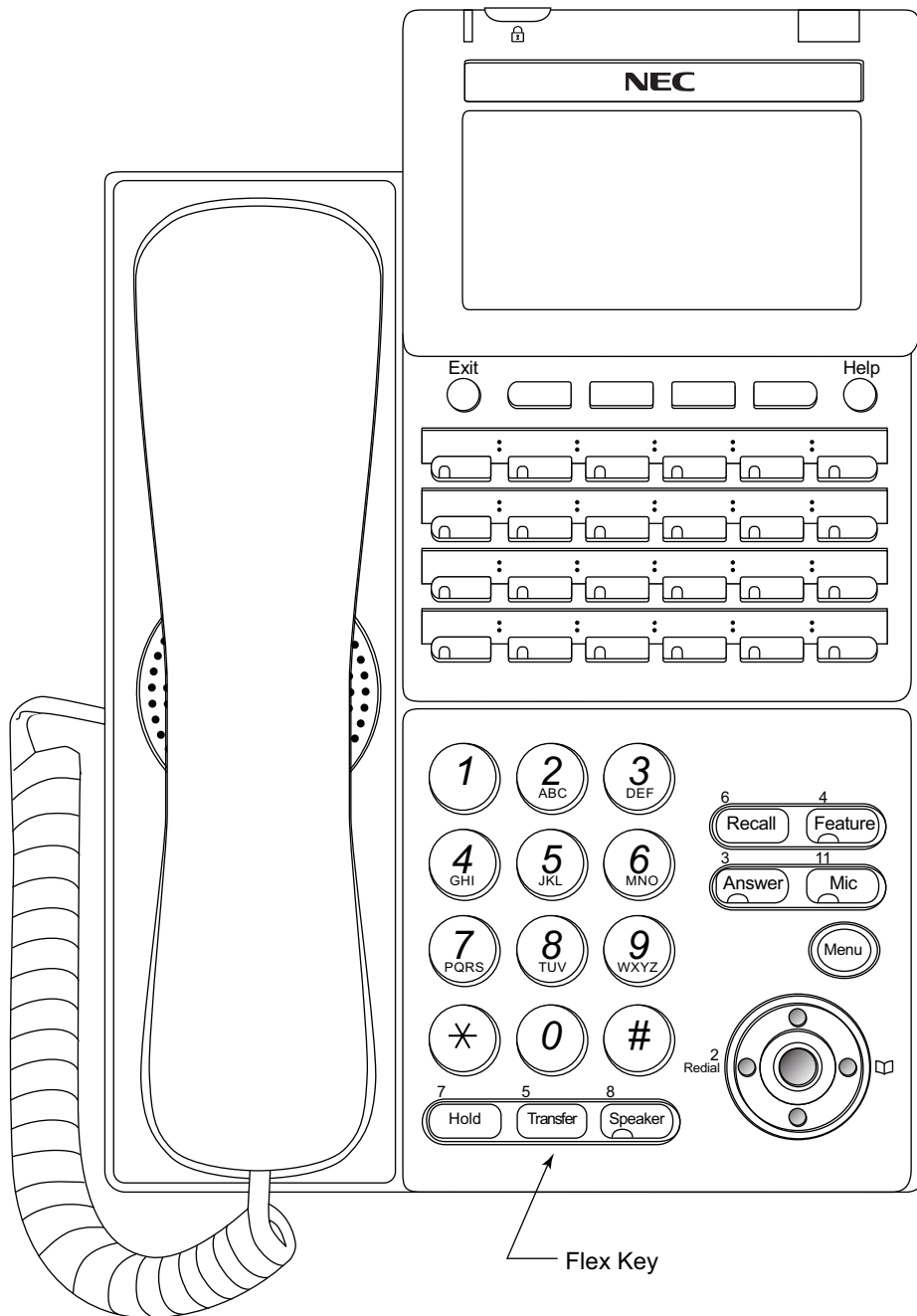
Note: DT330 has no security button.

DT300 Series: DT330 (12-button Type Cordless Terminal)



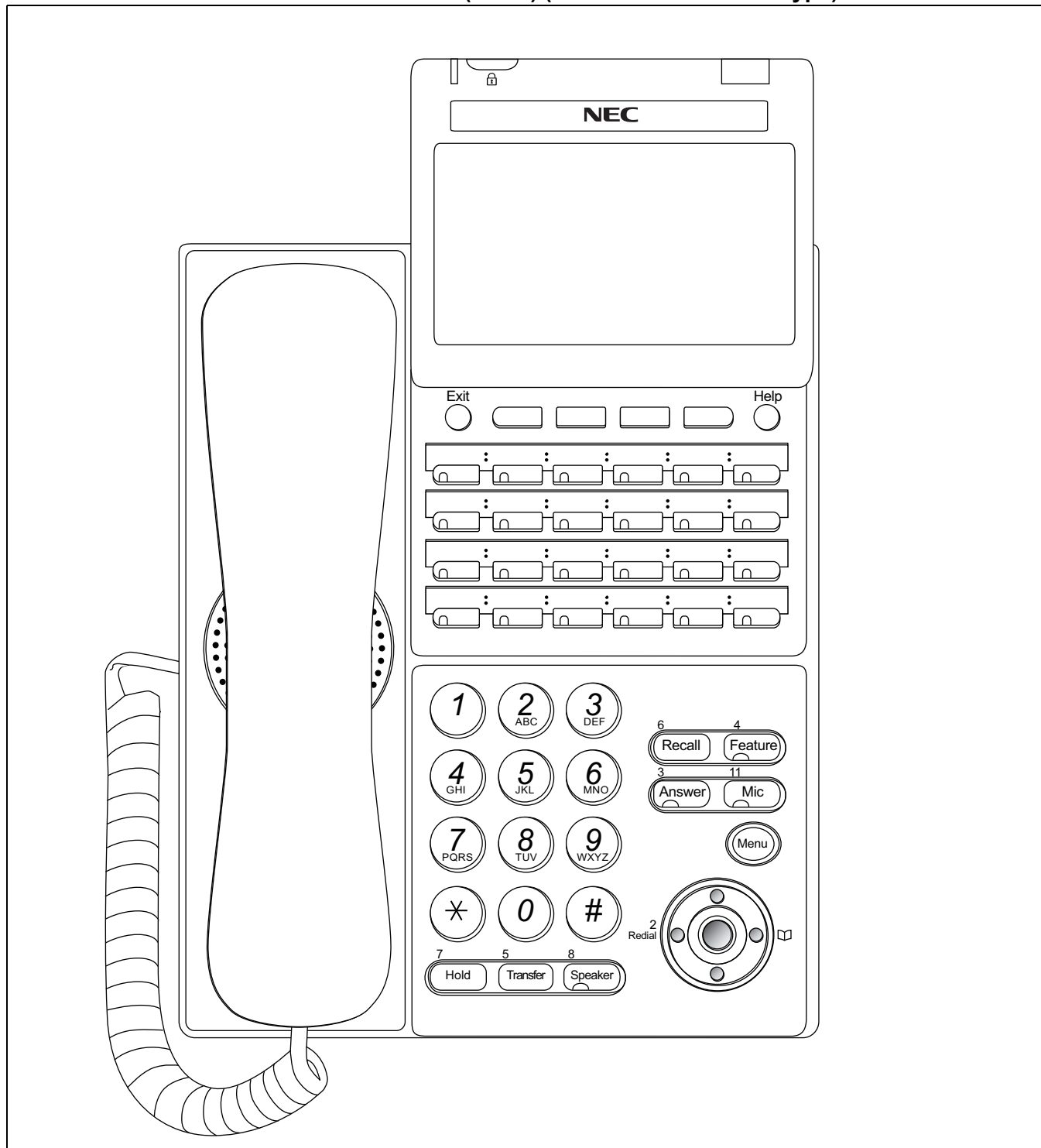
Note 16: The Line keys on the Bluetooth Handset are corresponded with the one on the Bluetooth Cradle.

Note 17: The CONF key on the Bluetooth Handset behaves in the same manner as the Flex key 4, which is equivalent to the Feature key on the Bluetooth Cradle.

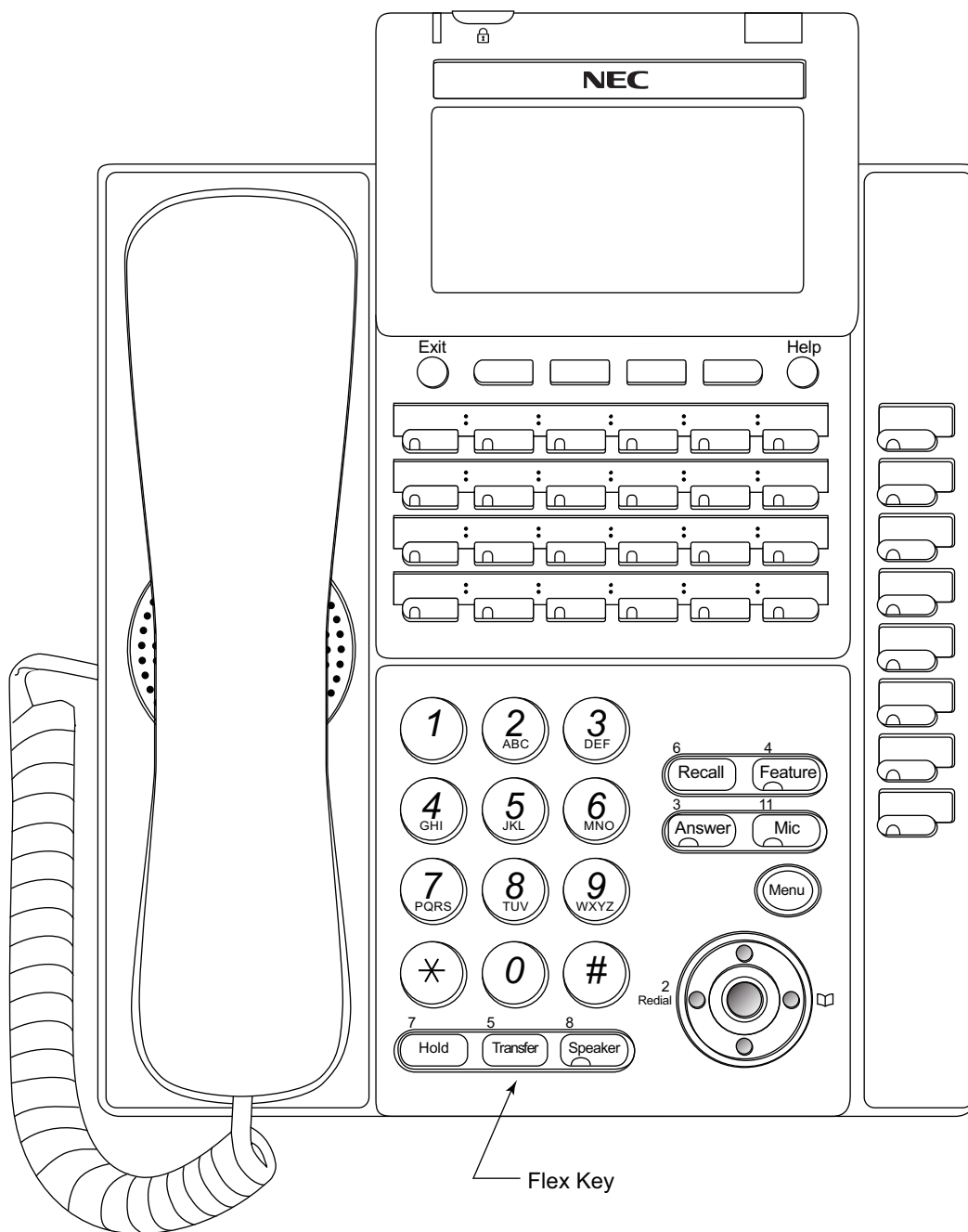
DT700 Series: DT730, DT730G(24DG), DT300 Series: DT330 (24-button Type)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

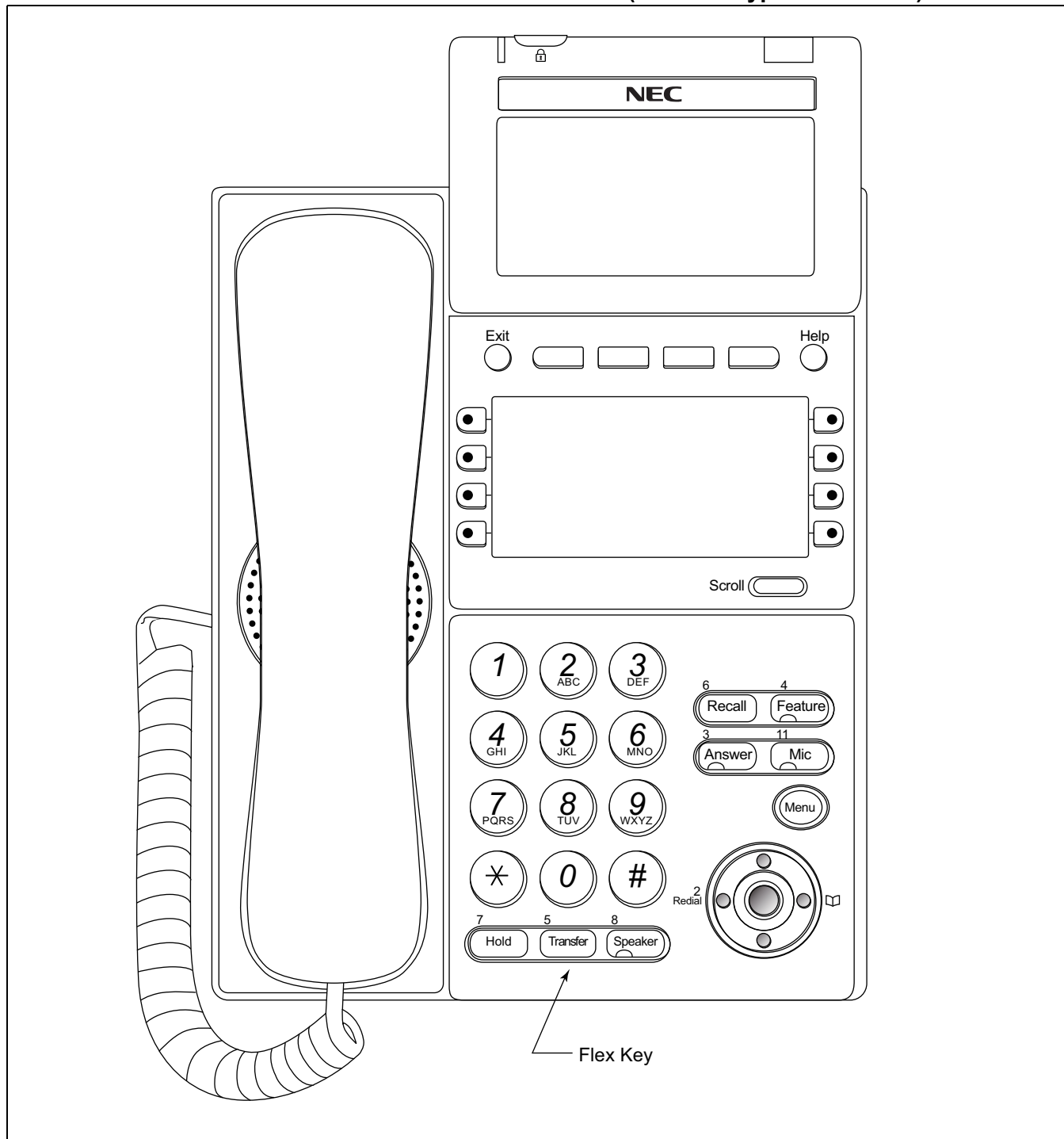
Note: DT330 has no security button.

DT700 Series: DT730G (24CG) (24-button Color LCD Type)

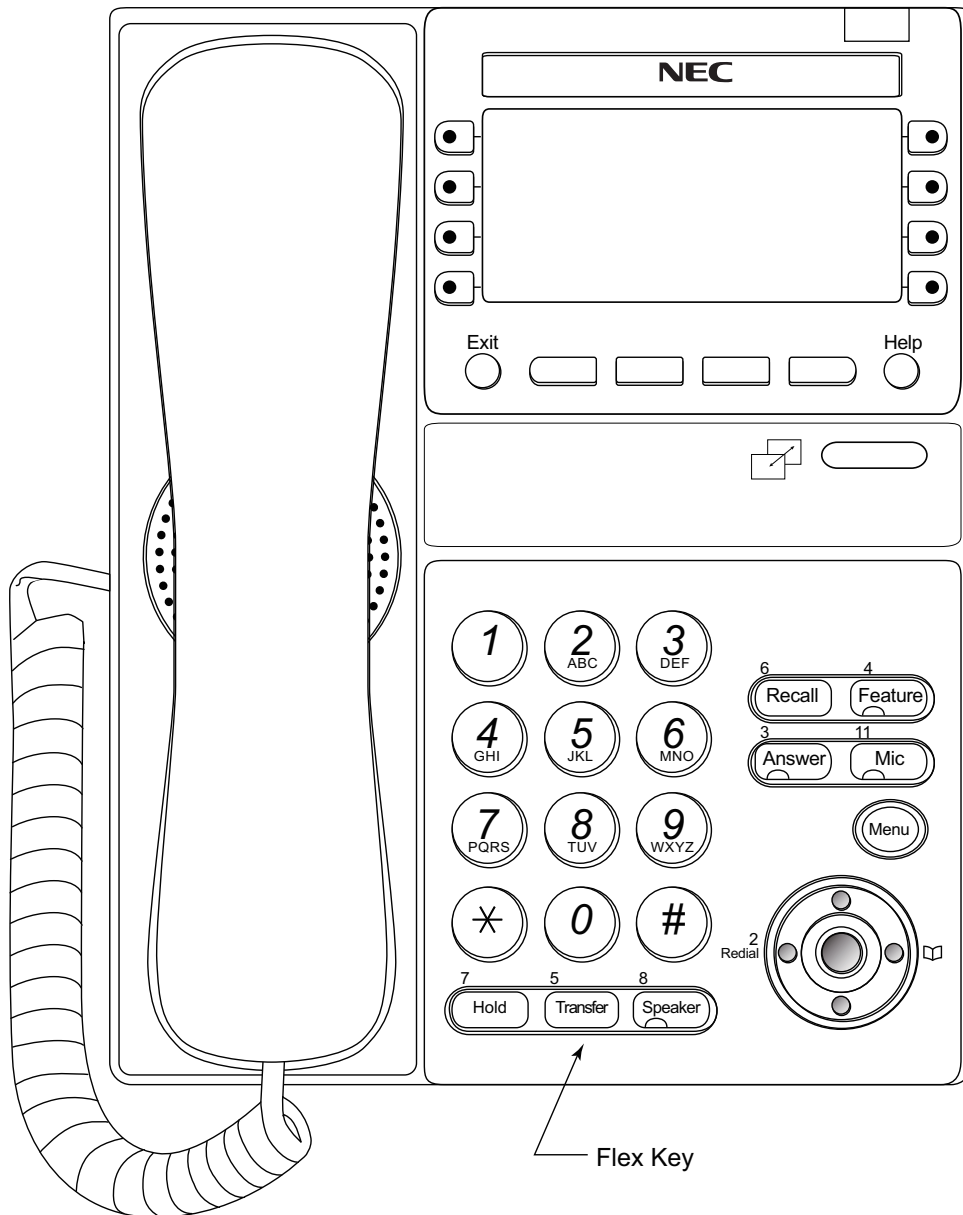
Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

DT700 Series: DT730/DT300 Series: DT330 (24-button Type with 8LK Unit)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

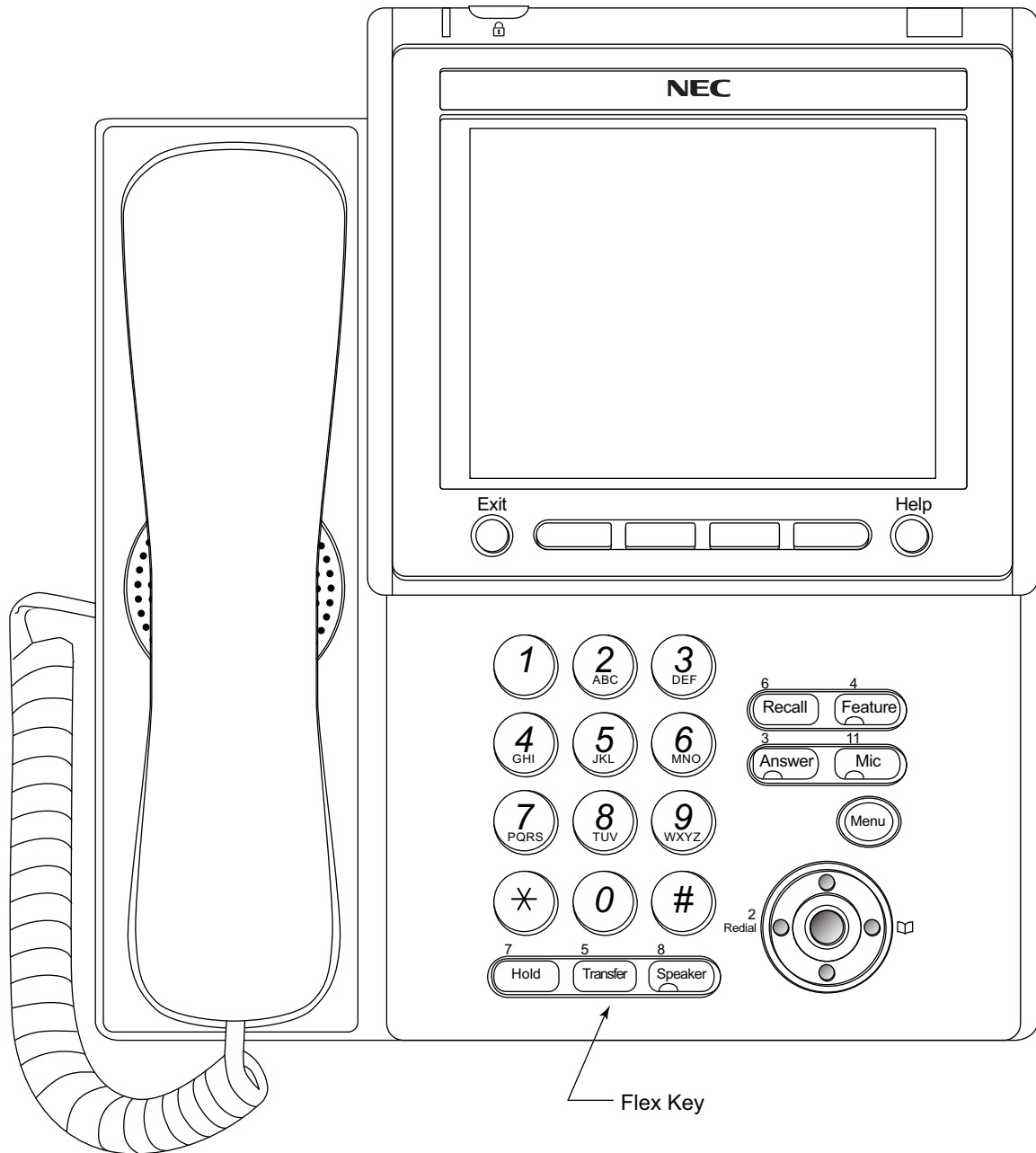
DT700 Series: DT730/DT300 Series: DT330 (8-button Type DESI-LESS)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

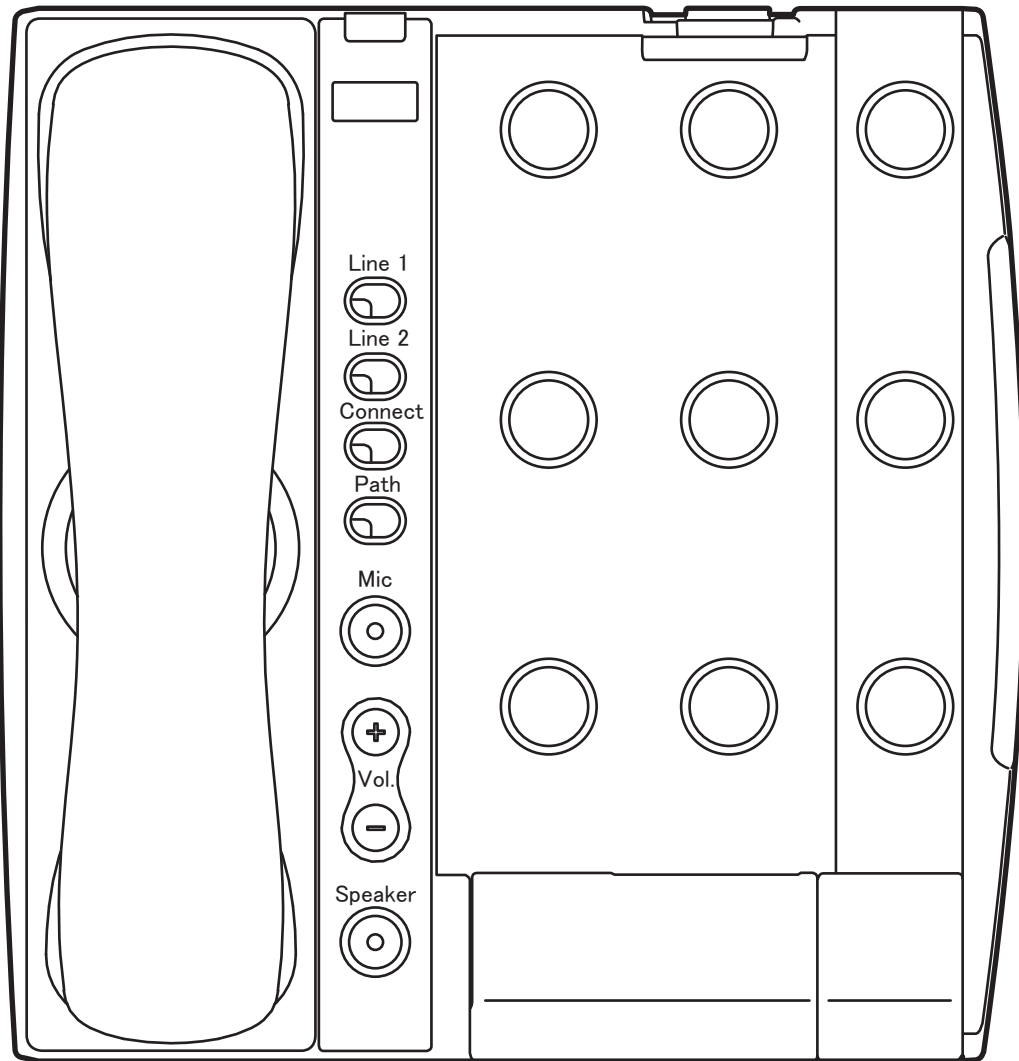
DT700 Series: DT710 (8-button Type DESI-LESS)

Note: You cannot assign any feature other than Redial (Last Number Call) to the Redial key on DT700 Series.

DT700 Series: DT750 (Color LCD Type)



Note: Color LCD Type terminal does not exist in DT300 Series.

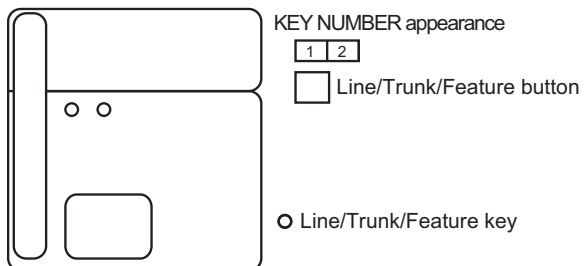
DT700 Series: DT770G (Cradle Type)

Note: Cradle Type terminal does not exist in DT300 Series.

Key Number Appearance of DT800/DT700/DT400/DT300 Series

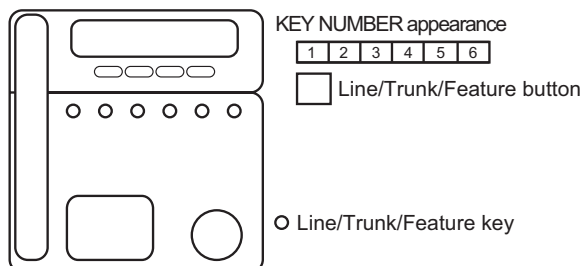
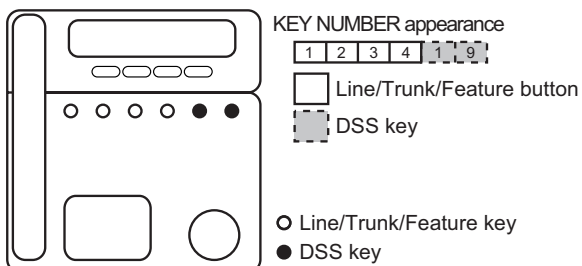
(1) 2 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



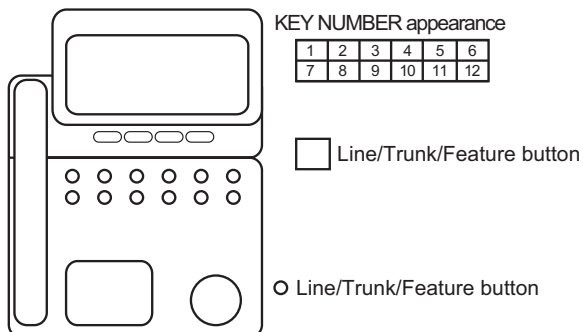
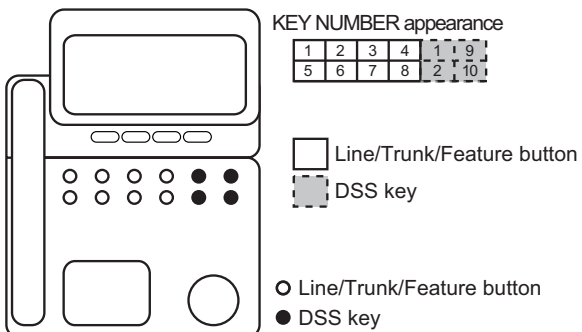
(2) 6 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



(3) 12 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)

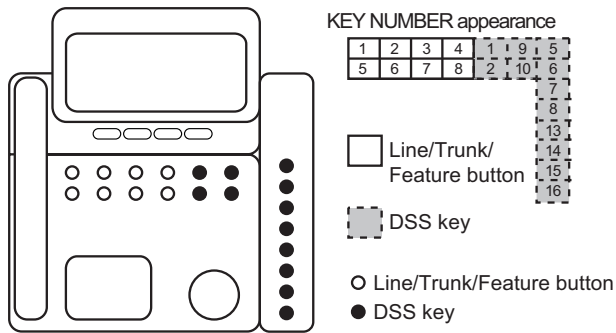


Note: The KEY NUMBER appearance for DT770G is same as “(1) 2 Buttons”.

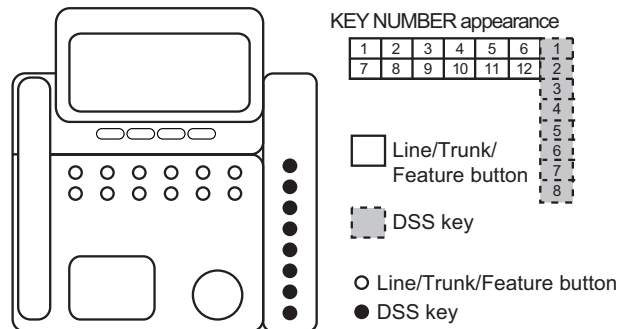
Key Number Appearance of DT800/DT700/DT400/DT300 Series

(4) 12 Buttons + 8LK Unit

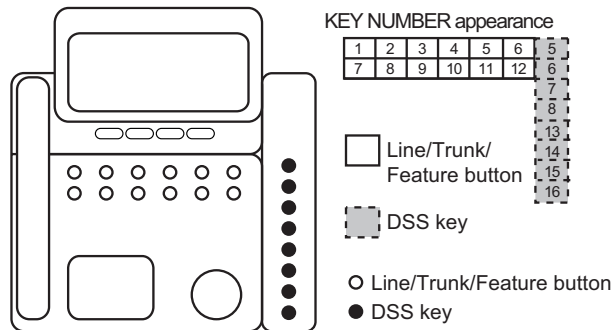
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



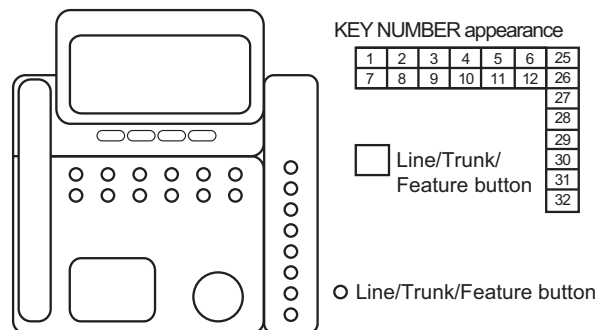
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT800/DT700 Series



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT400/DT300 Series

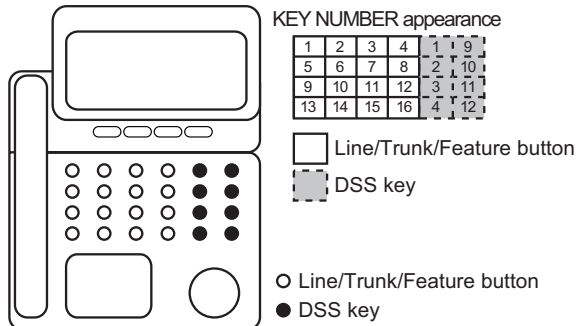


- Line Key Pattern=3 (ALL Line/Feature buttons)

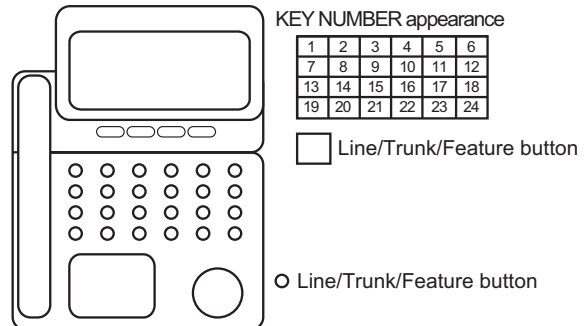


(5) 24 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



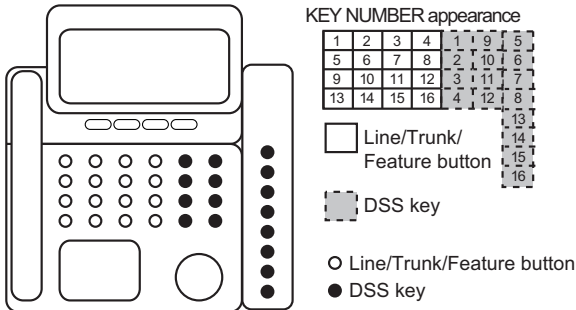
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)



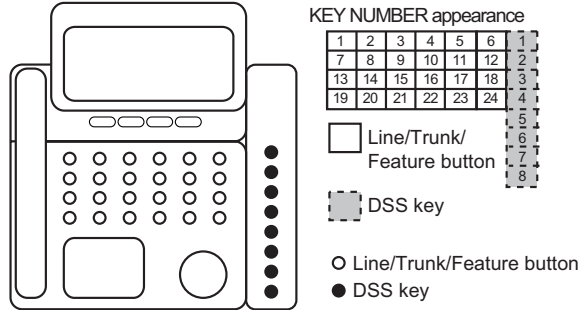
Key Number Appearance of DT800/DT700/DT400/DT300 Series

(6) 24 Buttons + 8LK Unit

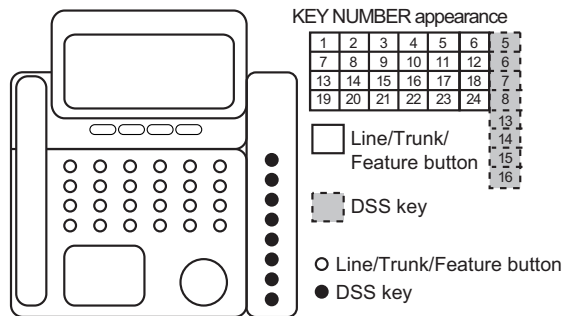
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



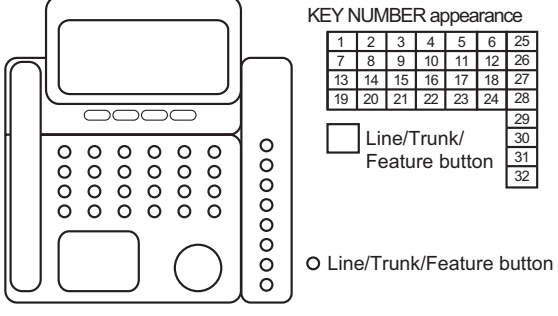
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT800/DT700 Series



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
For DT400/DT300 Series



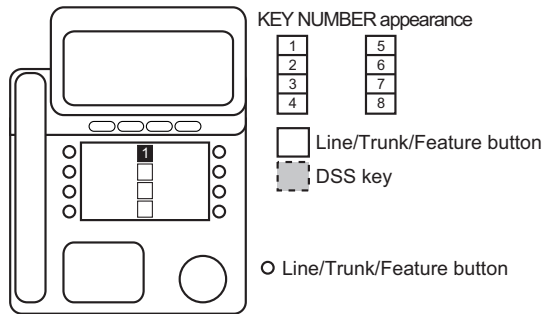
- Line Key Pattern=3 (ALL Line/Feature buttons)



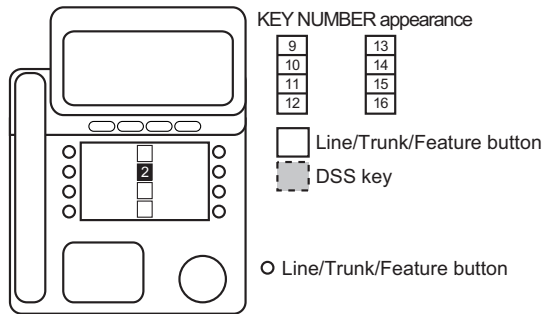
(7) 8 Buttons (DESI-Less (DT830/DT820/DT430))

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)

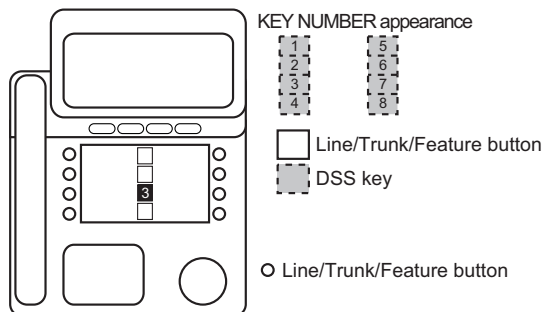
Page 1



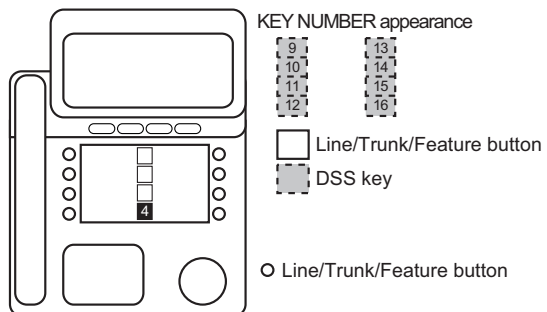
Page 2



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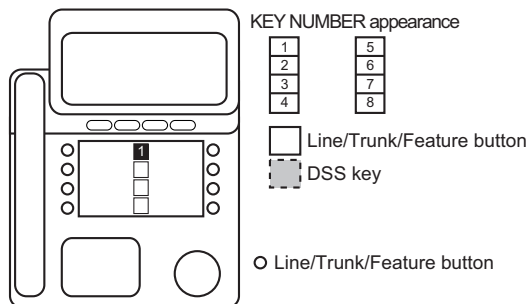


Key Number Appearance of DT800/DT700/DT400/DT300 Series

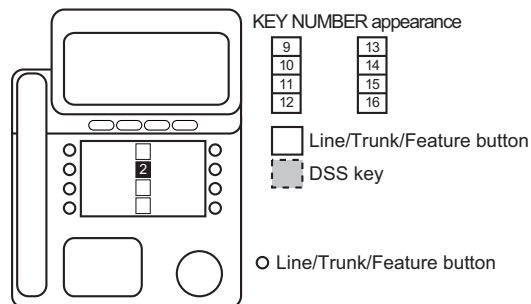
(8) 8 Buttons (DESI-Less (DT830/DT820/DT430))

- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)

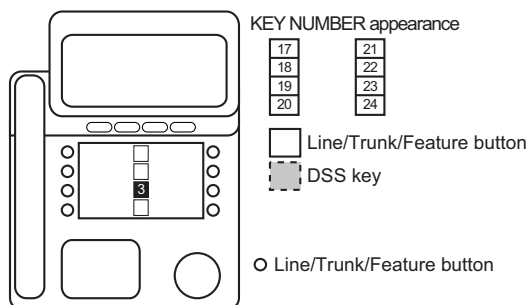
• Page 1



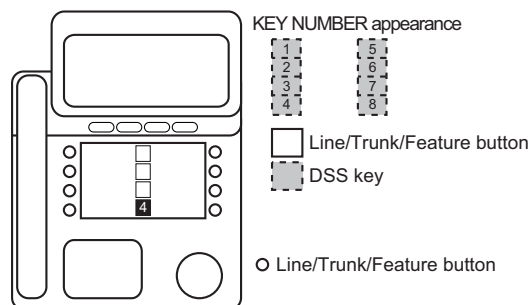
• Page 2



• Page 3



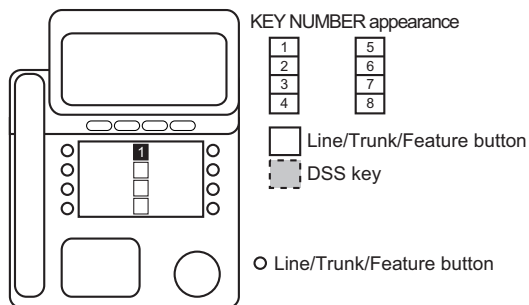
• Page 4



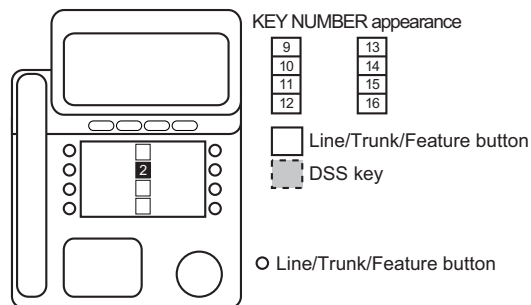
(9) 8 Buttons (DESI-Less (DT830/DT820/DT430))

- Line Key Pattern=3 (ALL Line/Feature buttons)

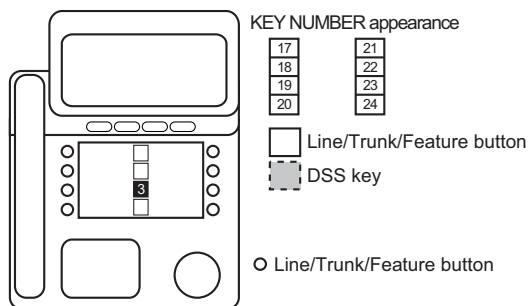
• Page 1



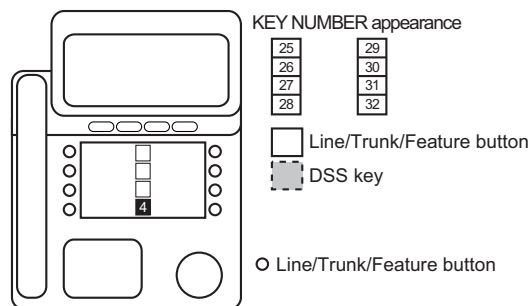
• Page 2



• Page 3



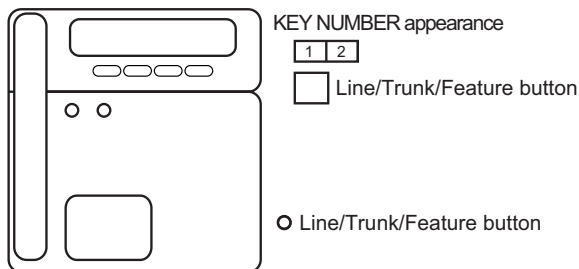
• Page 4



Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

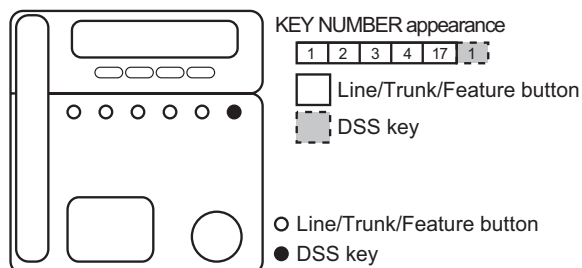
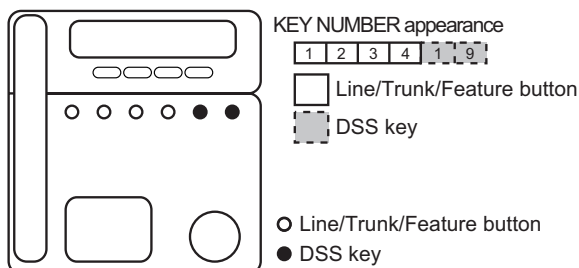
(1) 2 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)
- Line Key Pattern=3 (ALL Line/Feature buttons)

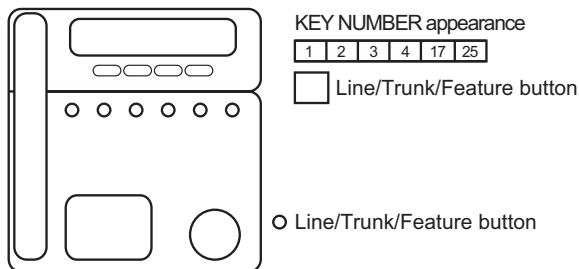


(2) 6 Buttons

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)
- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)



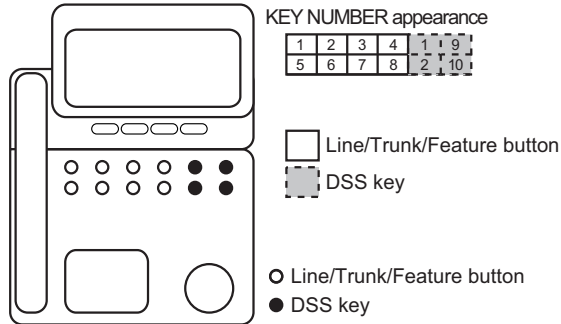
- Line Key Pattern=3 (ALL Line/Feature buttons)



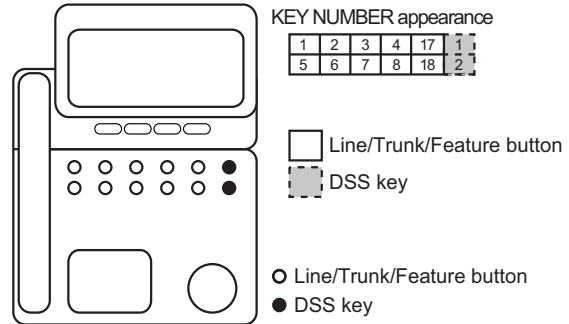
Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

(3) 12 Buttons

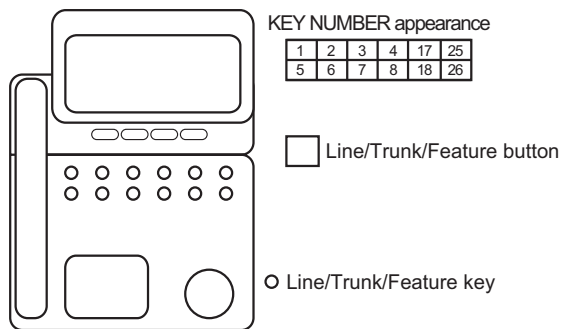
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)

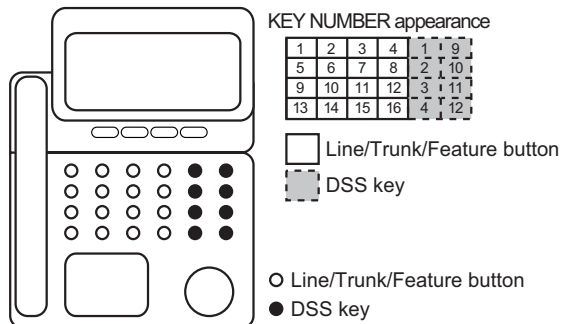


- Line Key Pattern=3 (ALL Line/Feature buttons)

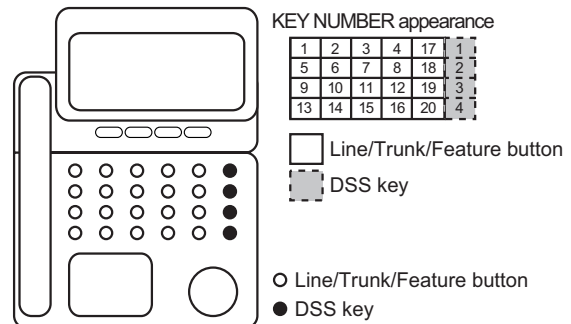


(4) 24 Buttons

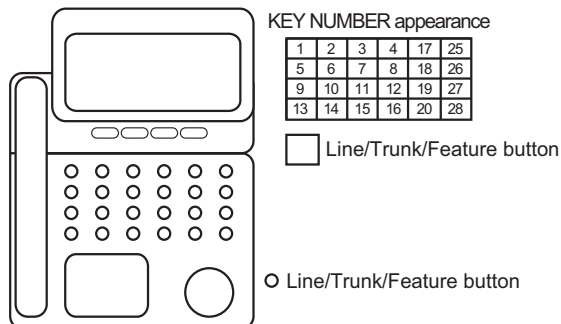
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)



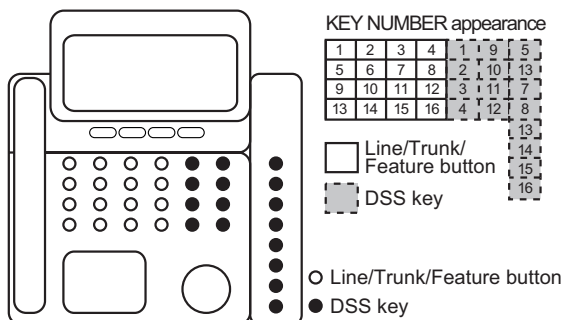
- Line Key Pattern=3 (ALL Line/Feature buttons)



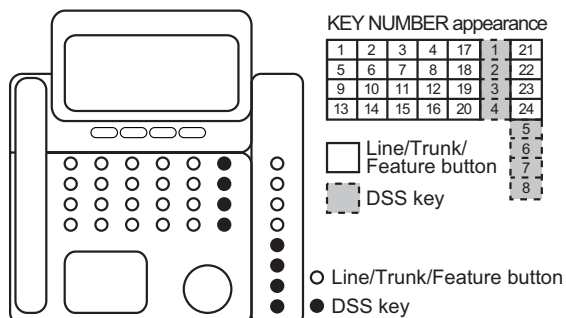
Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

(5) 24 Buttons + 8LK Unit

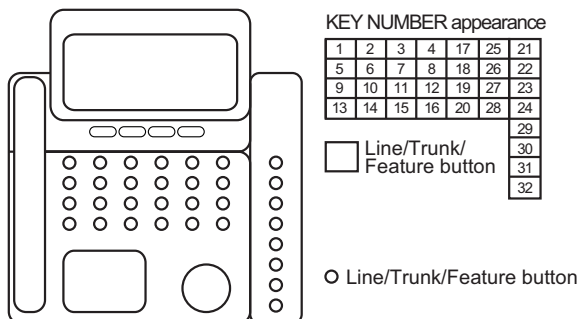
- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)



- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)



- Line Key Pattern=3 (ALL Line/Feature buttons)

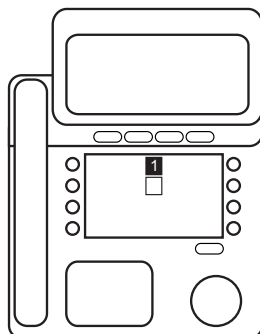


Key Number Appearance of DT700/DT300 Series in Dterm Series i Mode

(6) 8 Buttons (Desi-Less)

- Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)

Page 1



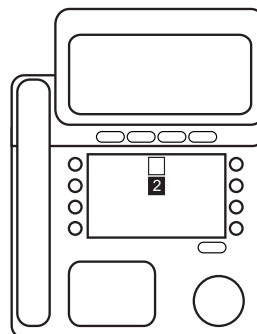
KEY NUMBER appearance

1	5
2	6
3	7
4	8

Line/Trunk/Feature button

Line/Trunk/Feature button

Page 2



KEY NUMBER appearance

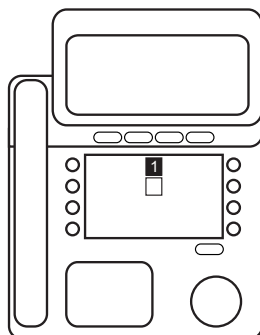
9	13
10	14
11	15
12	16

Line/Trunk/Feature button

Line/Trunk/Feature button

- Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)

Page 1



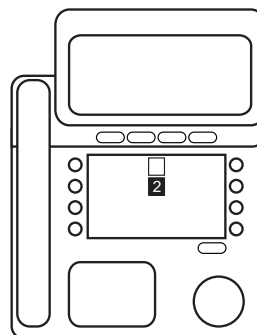
KEY NUMBER appearance

1	5
2	6
3	7
4	8

Line/Trunk/Feature button

Line/Trunk/Feature button

Page 2



KEY NUMBER appearance

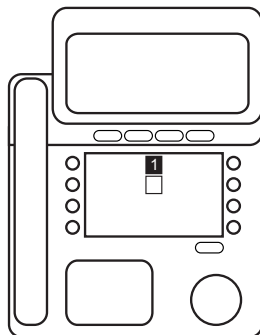
9	13
10	14
11	15
12	16

Line/Trunk/Feature button

Line/Trunk/Feature button

- Line Key Pattern=3 (ALL Line/Feature buttons)

Page 1



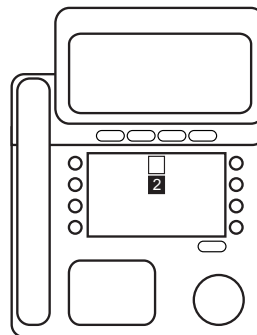
KEY NUMBER appearance

1	5
2	6
3	7
4	8

Line/Trunk/Feature button

Line/Trunk/Feature button

Page 2



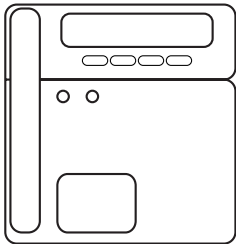
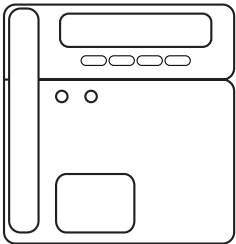
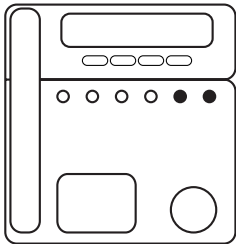
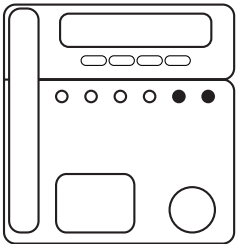
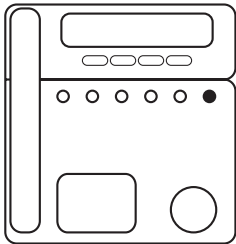
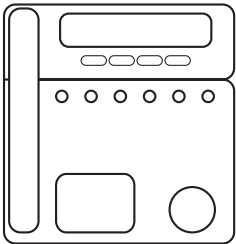
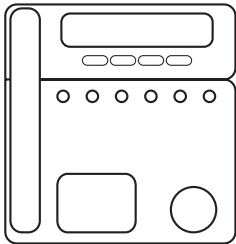
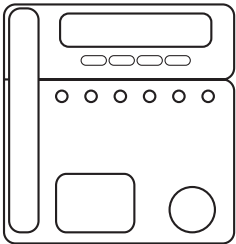
KEY NUMBER appearance

9	13
10	14
11	15
12	16

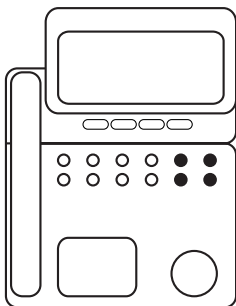
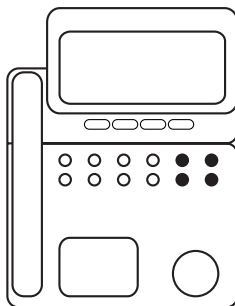
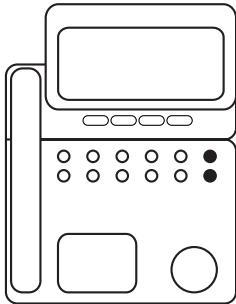
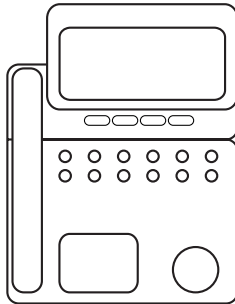
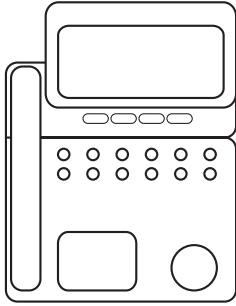
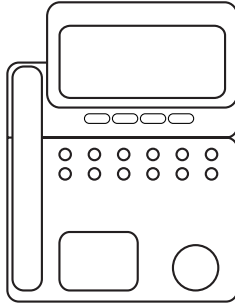
Line/Trunk/Feature button

Line/Trunk/Feature button

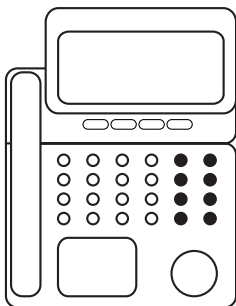
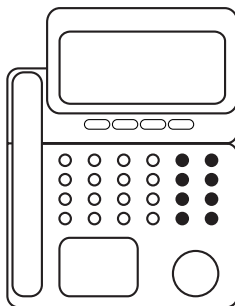
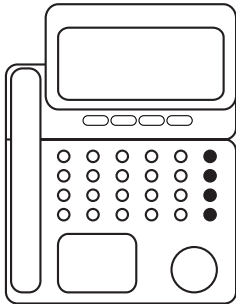
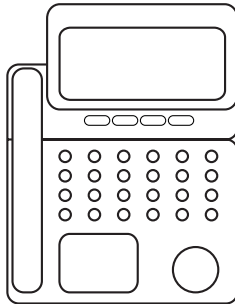
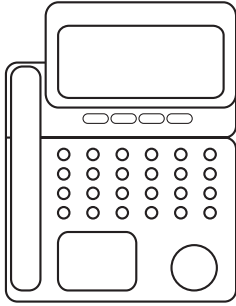
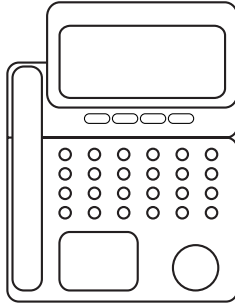
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Series Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode
(1) 2 Buttons	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys) / Line Key Pattern=2 (24 Line/Feature buttons + DSS keys) / Line Key Pattern=3 (ALL Line/Feature buttons)	
 KEY NUMBER appearance 1 2 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	 KEY NUMBER appearance 1 2 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button
(2) 6 Buttons	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)	
 KEY NUMBER appearance 1 2 3 4 5 6 □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	 KEY NUMBER appearance 1 2 3 4 5 6 □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key
• Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)	
 KEY NUMBER appearance 1 2 3 4 17 18 □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	 KEY NUMBER appearance 1 2 3 4 5 6 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button
• Line Key Pattern=3 (ALL Line/Feature buttons)	
 KEY NUMBER appearance 1 2 3 4 17 25 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	 KEY NUMBER appearance 1 2 3 4 5 6 □ Line/Trunk/Feature button ○ Line/Trunk/Feature button

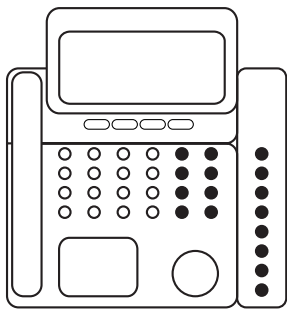
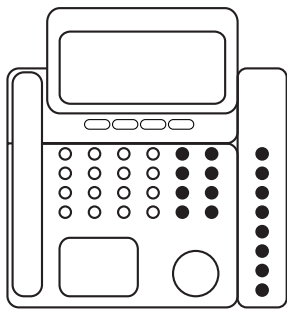
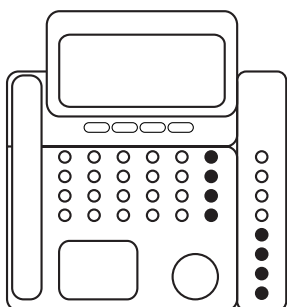
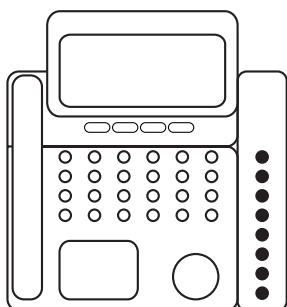
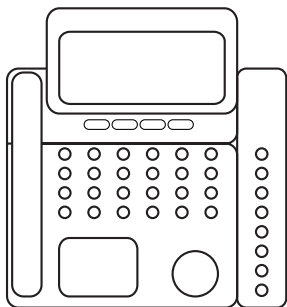
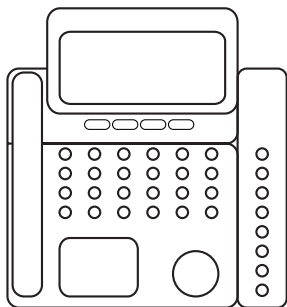
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series *i* Mode or DT700/DT300 Series Mode]

When Used in Dterm Series / Mode	When Used in DT700/DT300 Series Mode																								
(3) 12 Buttons																									
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)																									
 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>1</td><td>9</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>2</td><td>10</td></tr></table> □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	1	9	5	6	7	8	2	10	 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>1</td><td>9</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>2</td><td>10</td></tr></table> □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	1	9	5	6	7	8	2	10
1	2	3	4	1	9																				
5	6	7	8	2	10																				
1	2	3	4	1	9																				
5	6	7	8	2	10																				
• Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)																									
 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>17</td><td>1</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>18</td><td>2</td></tr></table> □ Line/Trunk/Feature button ■ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	17	1	5	6	7	8	18	2	 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr></table> □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	17	1																				
5	6	7	8	18	2																				
1	2	3	4	5	6																				
7	8	9	10	11	12																				
• Line Key Pattern=3 (ALL Line/Feature buttons)																									
 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>17</td><td>25</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>18</td><td>26</td></tr></table> □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	1	2	3	4	17	25	5	6	7	8	18	26	 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr></table> □ Line/Trunk/Feature button ○ Line/Trunk/Feature button	1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	17	25																				
5	6	7	8	18	26																				
1	2	3	4	5	6																				
7	8	9	10	11	12																				

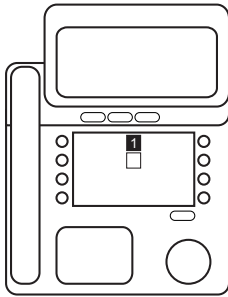
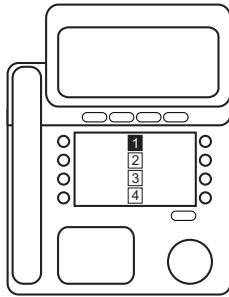
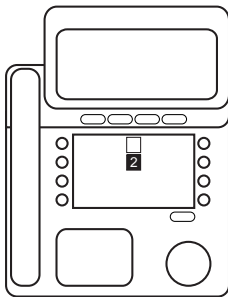
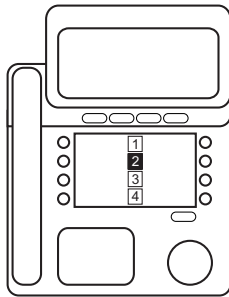
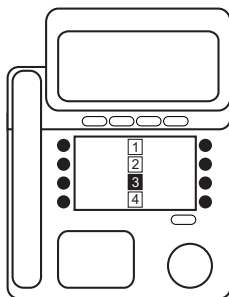
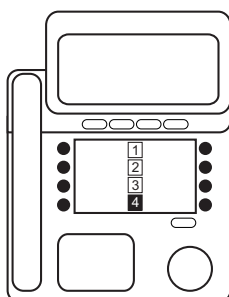
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series *i* Mode or DT700/DT300 Series Mode]

When Used in Dterm Series / Mode	When Used in DT700/DT300 Series Mode																																																
(4) 24 Buttons																																																	
▪ Line Key Pattern=1 (16 Line/Feature buttons + DSS keys)																																																	
 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>1</td><td>9</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>2</td><td>10</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>3</td><td>11</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>4</td><td>12</td></tr></table> ☐ Line/Trunk/Feature button ☒ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	1	9	5	6	7	8	2	10	9	10	11	12	3	11	13	14	15	16	4	12	 KEY NUMBER appearance <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>1</td><td>9</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>2</td><td>10</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>3</td><td>11</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>4</td><td>12</td></tr></table> ☐ Line/Trunk/Feature button ☒ DSS key ○ Line/Trunk/Feature button ● DSS key	1	2	3	4	1	9	5	6	7	8	2	10	9	10	11	12	3	11	13	14	15	16	4	12
1	2	3	4	1	9																																												
5	6	7	8	2	10																																												
9	10	11	12	3	11																																												
13	14	15	16	4	12																																												
1	2	3	4	1	9																																												
5	6	7	8	2	10																																												
9	10	11	12	3	11																																												
13	14	15	16	4	12																																												
▪ Line Key Pattern=2 (24 Line/Feature buttons + DSS keys)																																																	
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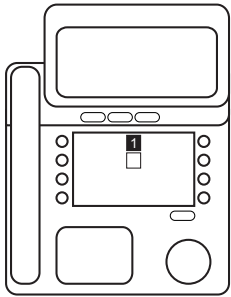
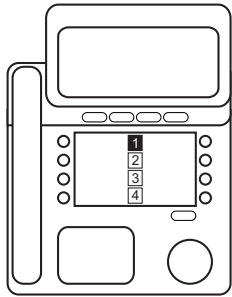
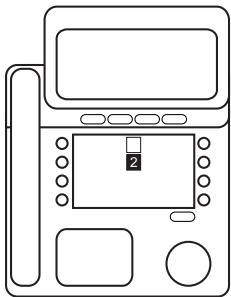
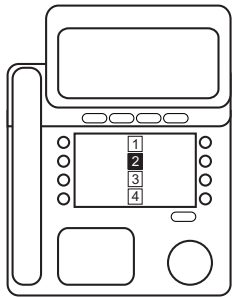
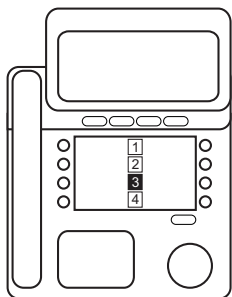
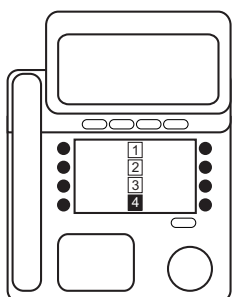
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Series Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																																																																																																																
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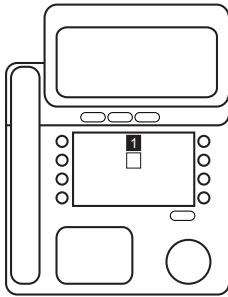
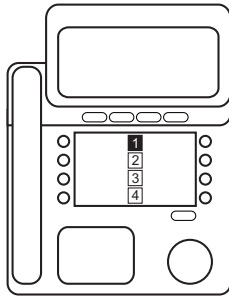
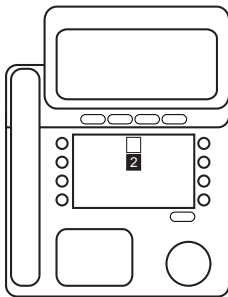
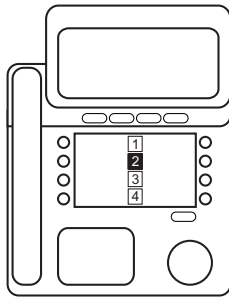
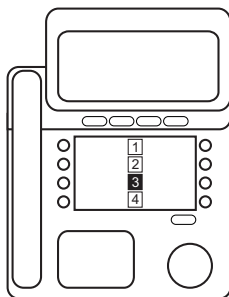
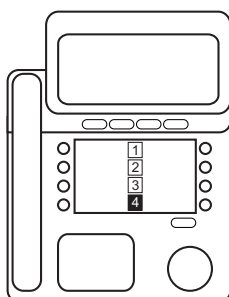
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Series Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																
(6) 8 Buttons: DESI-Less (Line Key Pattern=1)																	
• Line Key Pattern=1 (16 Line/Feature buttons + DSS keys) / Page 1																	
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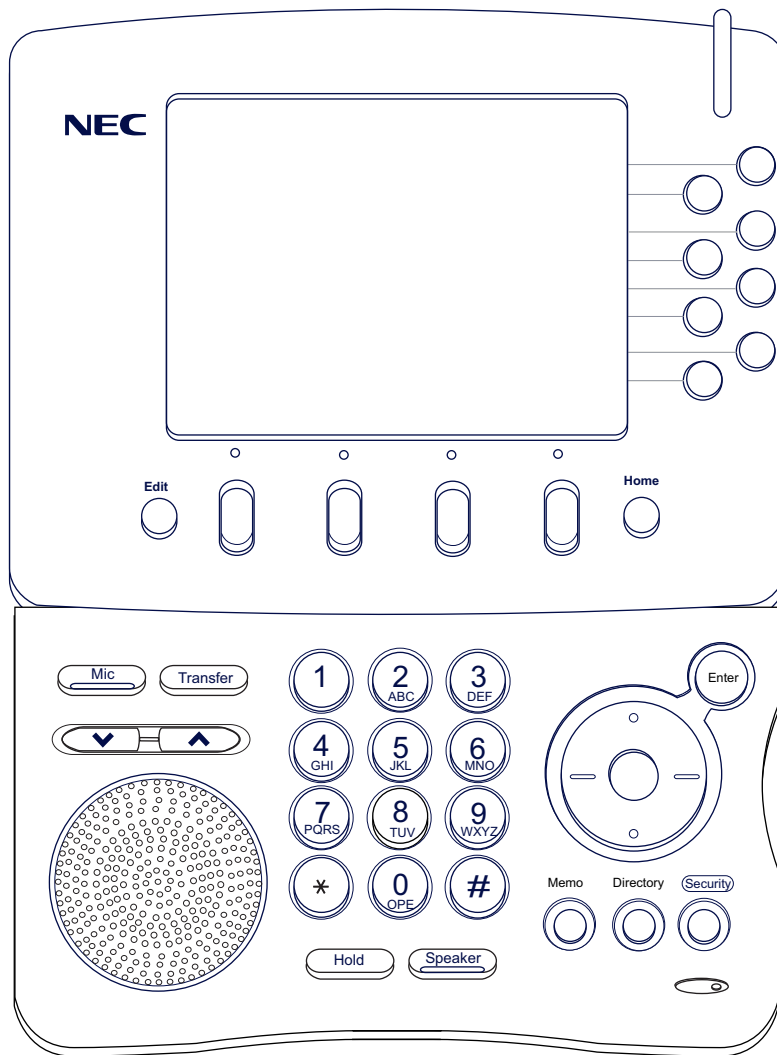
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Series Mode]

When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																
(6) 8 Buttons: DESI-Less (Line Key Pattern=2)																	
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19	23																
20	24																
• Line Key Pattern=2 (24 Line/Feature buttons + DSS keys) / Page 4																	
Not Available	 KEY NUMBER appearance <table border="1"> <tr><td>1</td><td>5</td></tr> <tr><td>2</td><td>6</td></tr> <tr><td>3</td><td>7</td></tr> <tr><td>4</td><td>8</td></tr> </table> ■ DSS key ● DSS key	1	5	2	6	3	7	4	8								
1	5																
2	6																
3	7																
4	8																

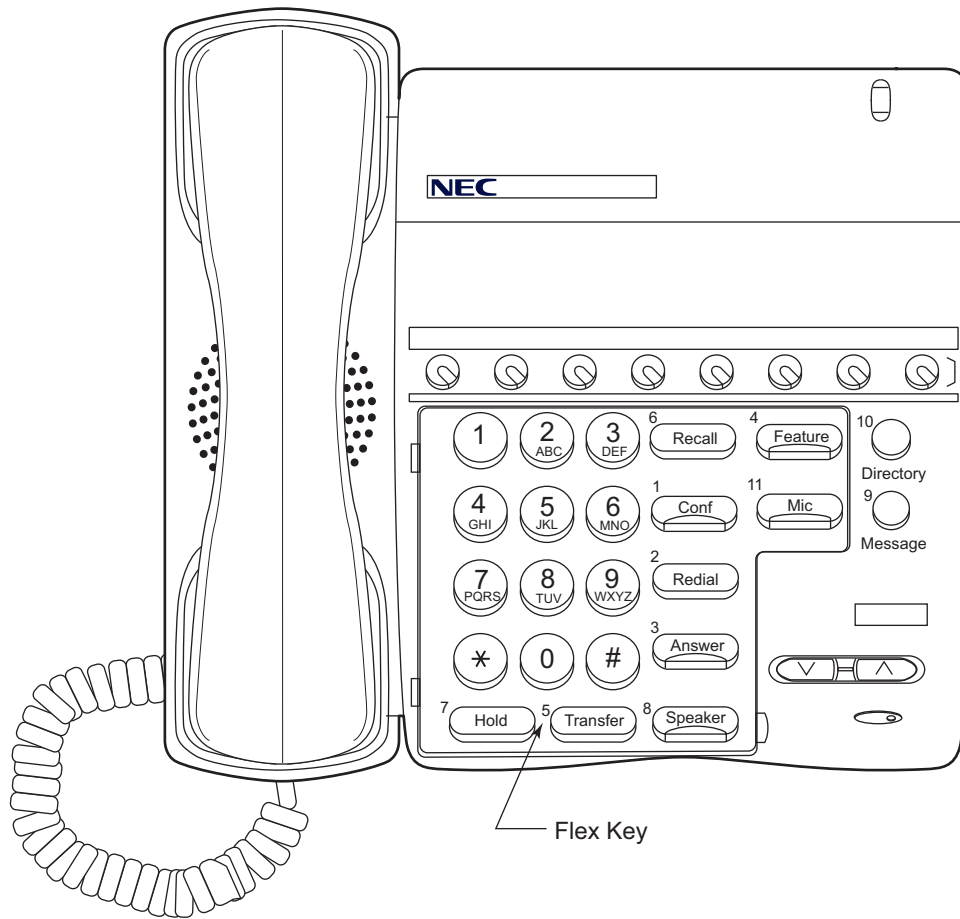
Key Number Appearance of DT700/DT300 Series
[Comparison Table: When Used in Dterm Series i Mode or DT700/DT300 Series Mode]

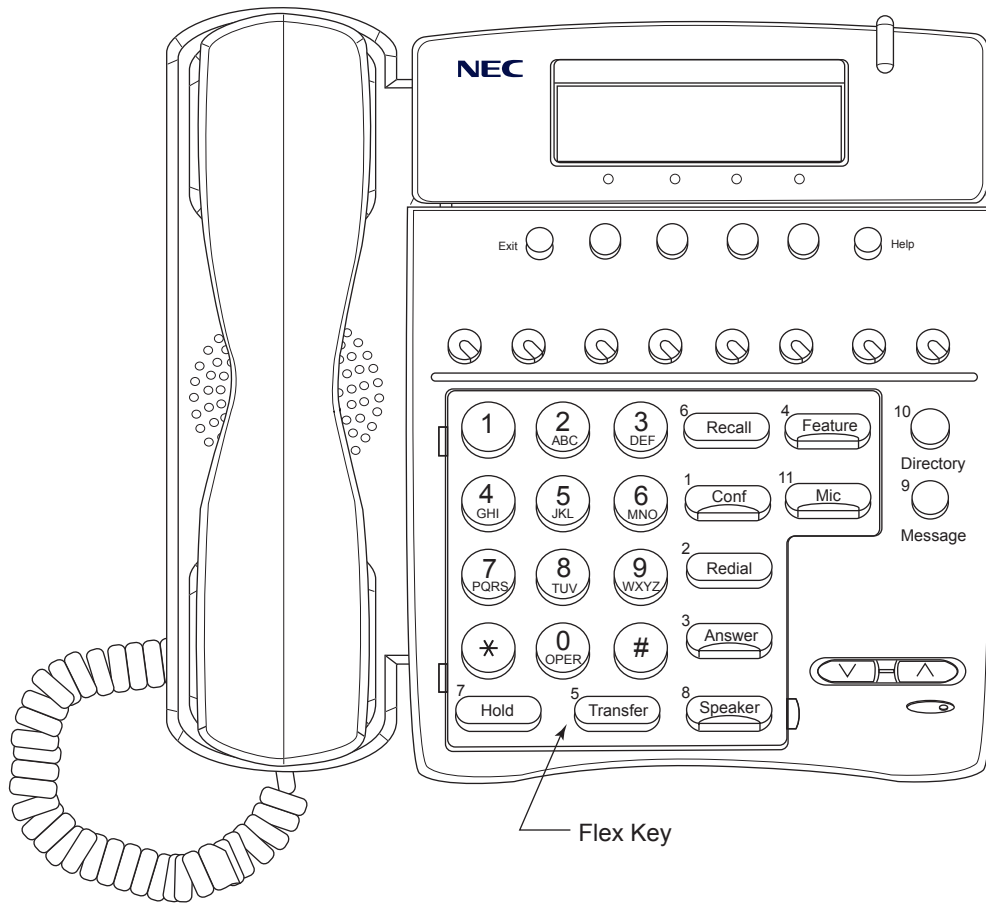
When Used in Dterm Series i Mode	When Used in DT700/DT300 Series Mode																
(6) 8 Buttons: DESI-Less (Line Key Pattern=3)																	
• Line Key Pattern=3 (ALL Line/Feature buttons) / Page 1																	
 KEY NUMBER appearance <table border="1"> <tr><td>1</td><td>5</td></tr> <tr><td>2</td><td>6</td></tr> <tr><td>3</td><td>7</td></tr> <tr><td>4</td><td>8</td></tr> </table> ☐ Line/Trunk/Feature button O Line/Trunk/Feature button	1	5	2	6	3	7	4	8	 KEY NUMBER appearance <table border="1"> <tr><td>1</td><td>5</td></tr> <tr><td>2</td><td>6</td></tr> <tr><td>3</td><td>7</td></tr> <tr><td>4</td><td>8</td></tr> </table> ☐ Line/Trunk/Feature button O Line/Trunk/Feature button	1	5	2	6	3	7	4	8
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2	6																
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4	8																
• Line Key Pattern=3 (ALL Line/Feature buttons) / Page 2																	
 KEY NUMBER appearance <table border="1"> <tr><td>9</td><td>13</td></tr> <tr><td>10</td><td>14</td></tr> <tr><td>11</td><td>15</td></tr> <tr><td>12</td><td>16</td></tr> </table> ☐ Line/Trunk/Feature button O Line/Trunk/Feature button	9	13	10	14	11	15	12	16	 KEY NUMBER appearance <table border="1"> <tr><td>9</td><td>13</td></tr> <tr><td>10</td><td>14</td></tr> <tr><td>11</td><td>15</td></tr> <tr><td>12</td><td>16</td></tr> </table> ☐ Line/Trunk/Feature button O Line/Trunk/Feature button	9	13	10	14	11	15	12	16
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• Line Key Pattern=3 (ALL Line/Feature buttons) / Page 3																	
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• Line Key Pattern=3 (ALL Line/Feature buttons) / Page 4																	
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25	29																
26	30																
27	31																
28	32																

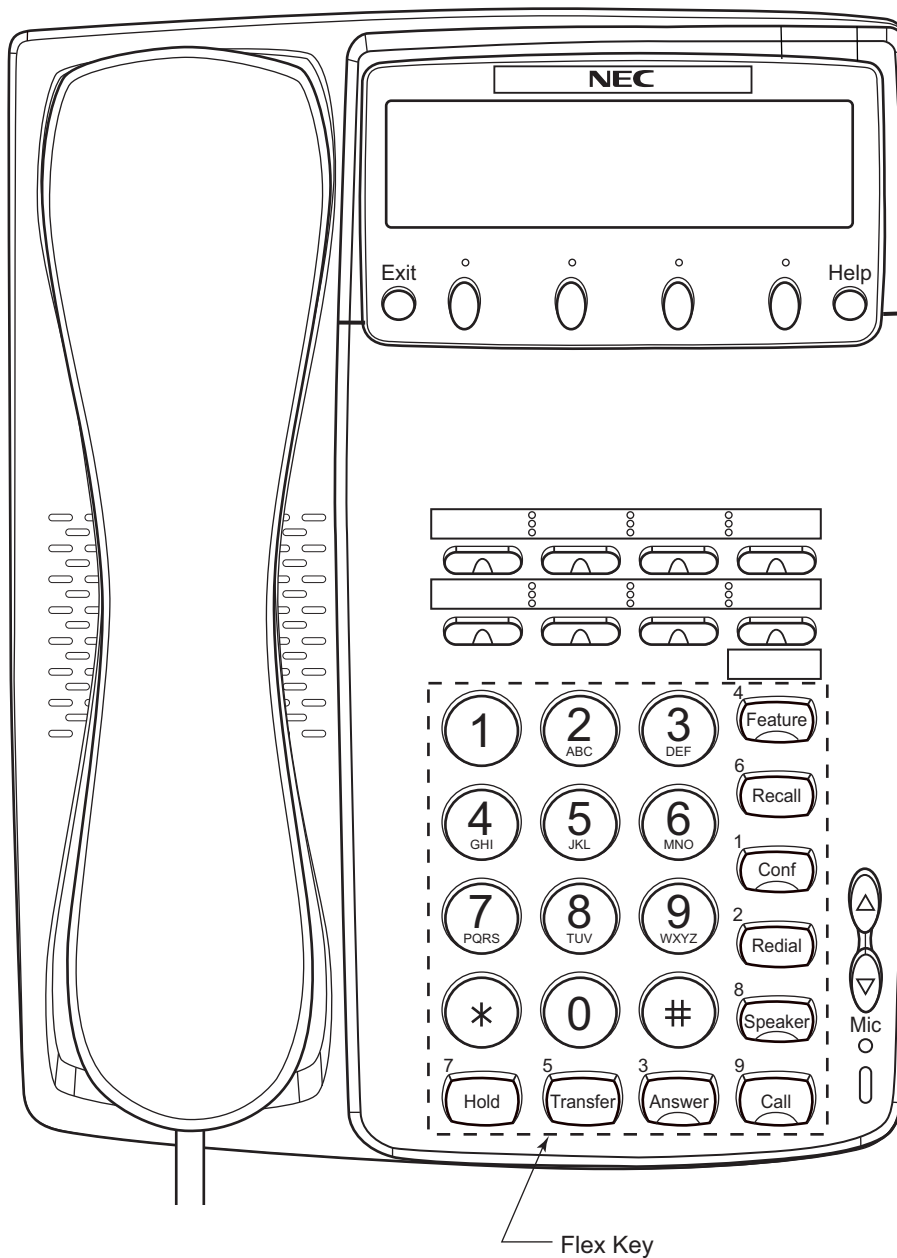
DtermIP INASET

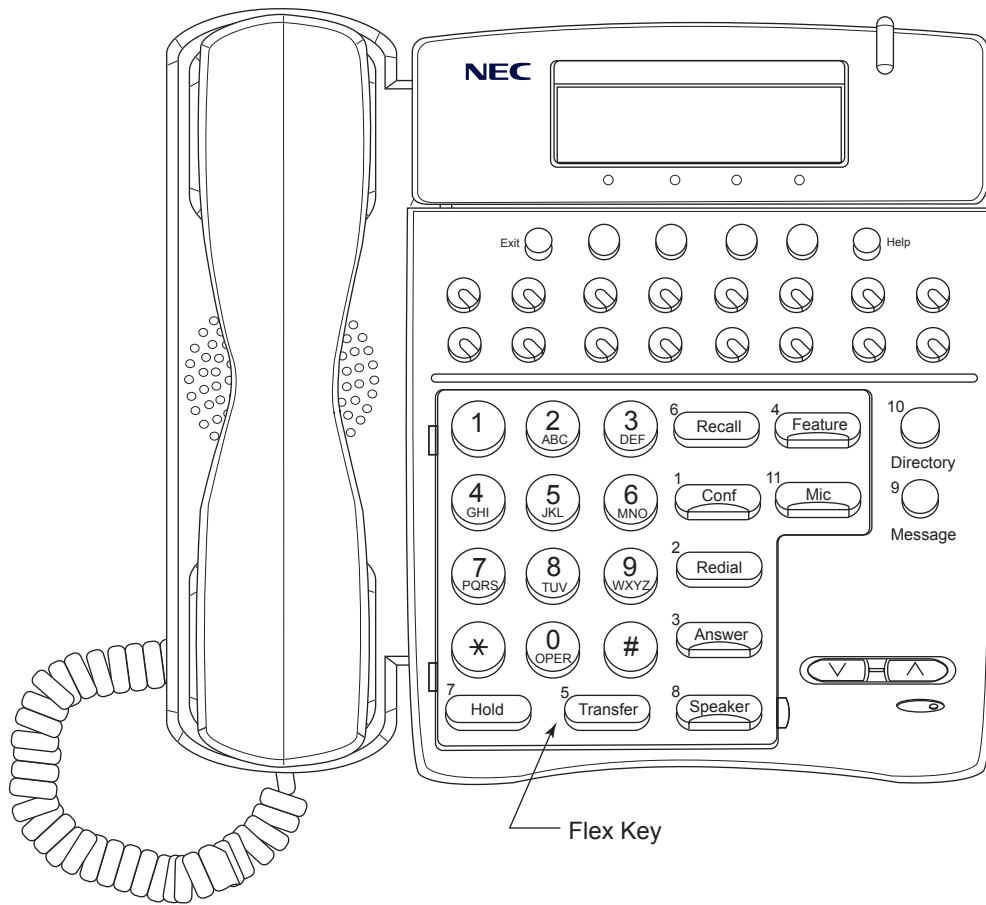


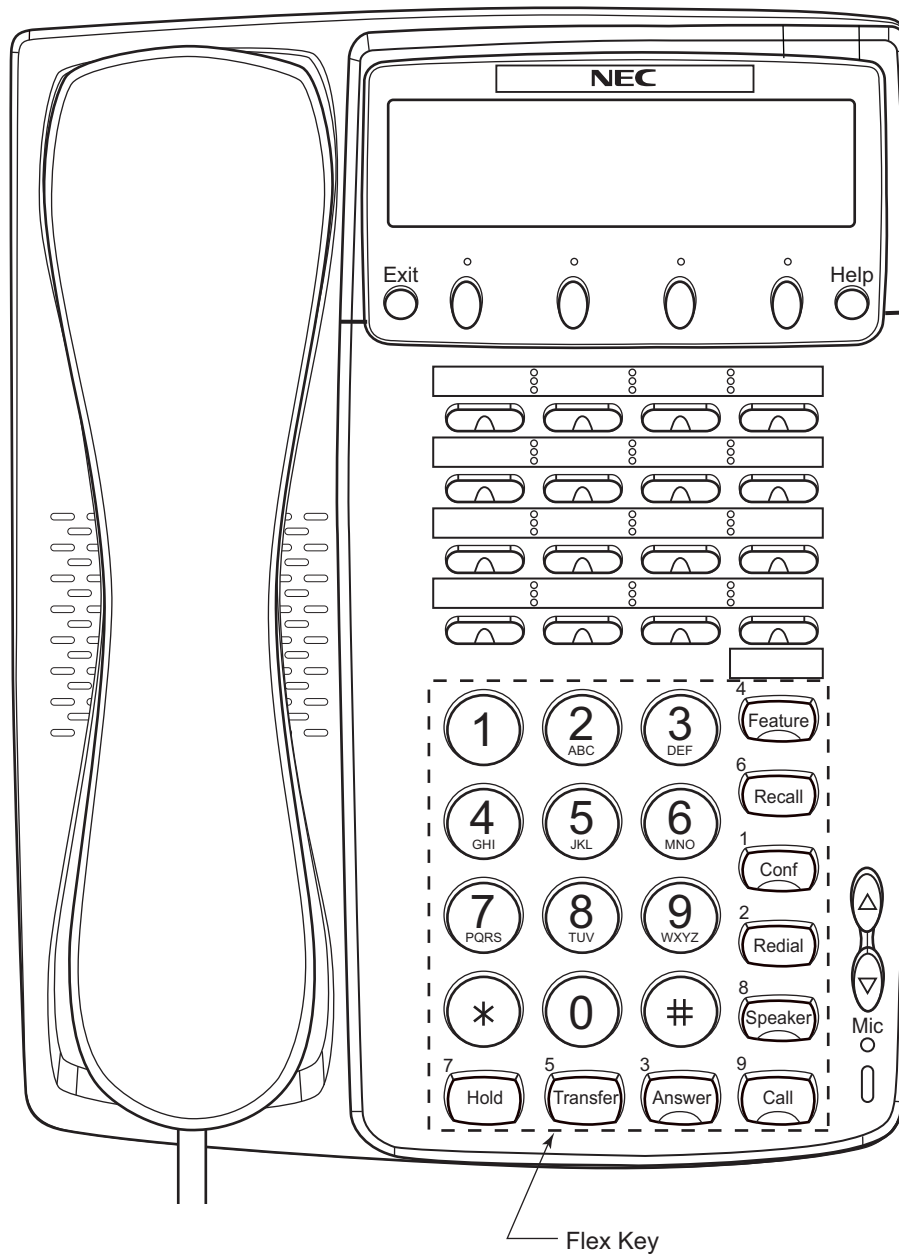
Dterm Series *i* (4-button Type)

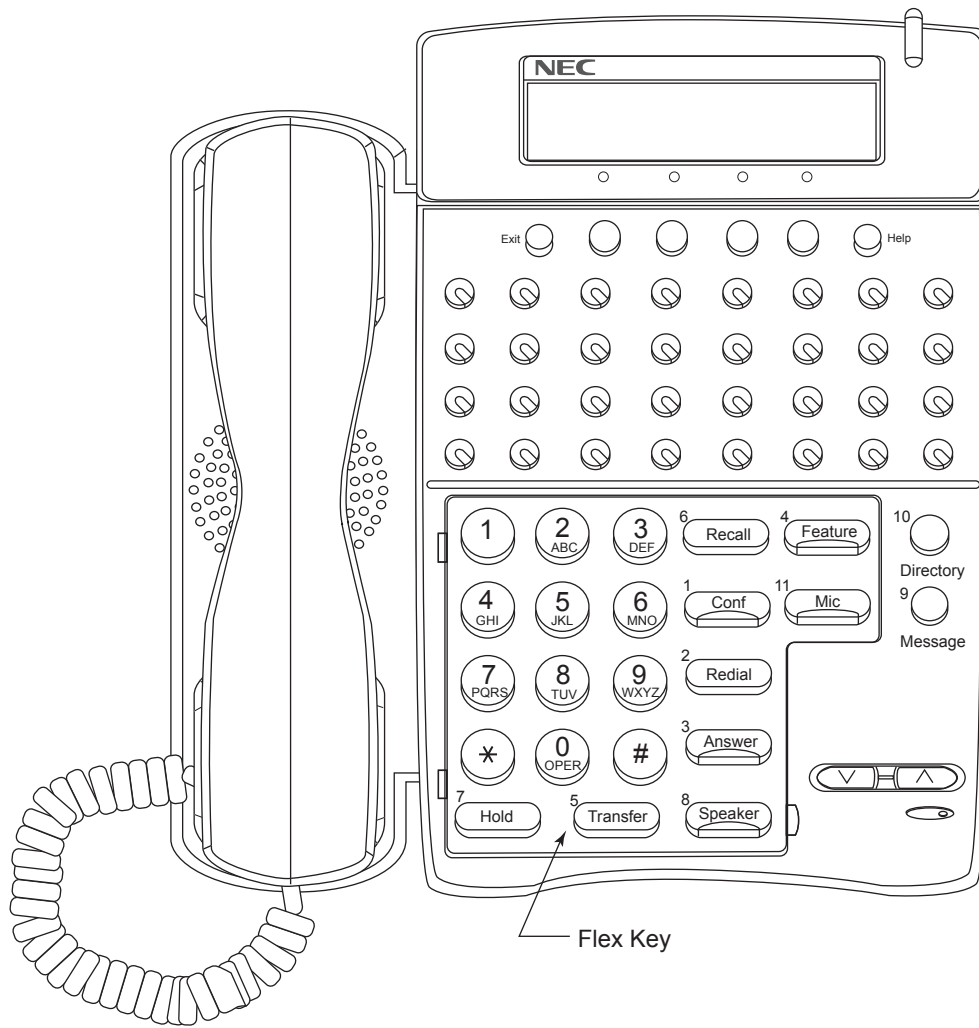
Dterm Series *i* (8-button Type without LCD)

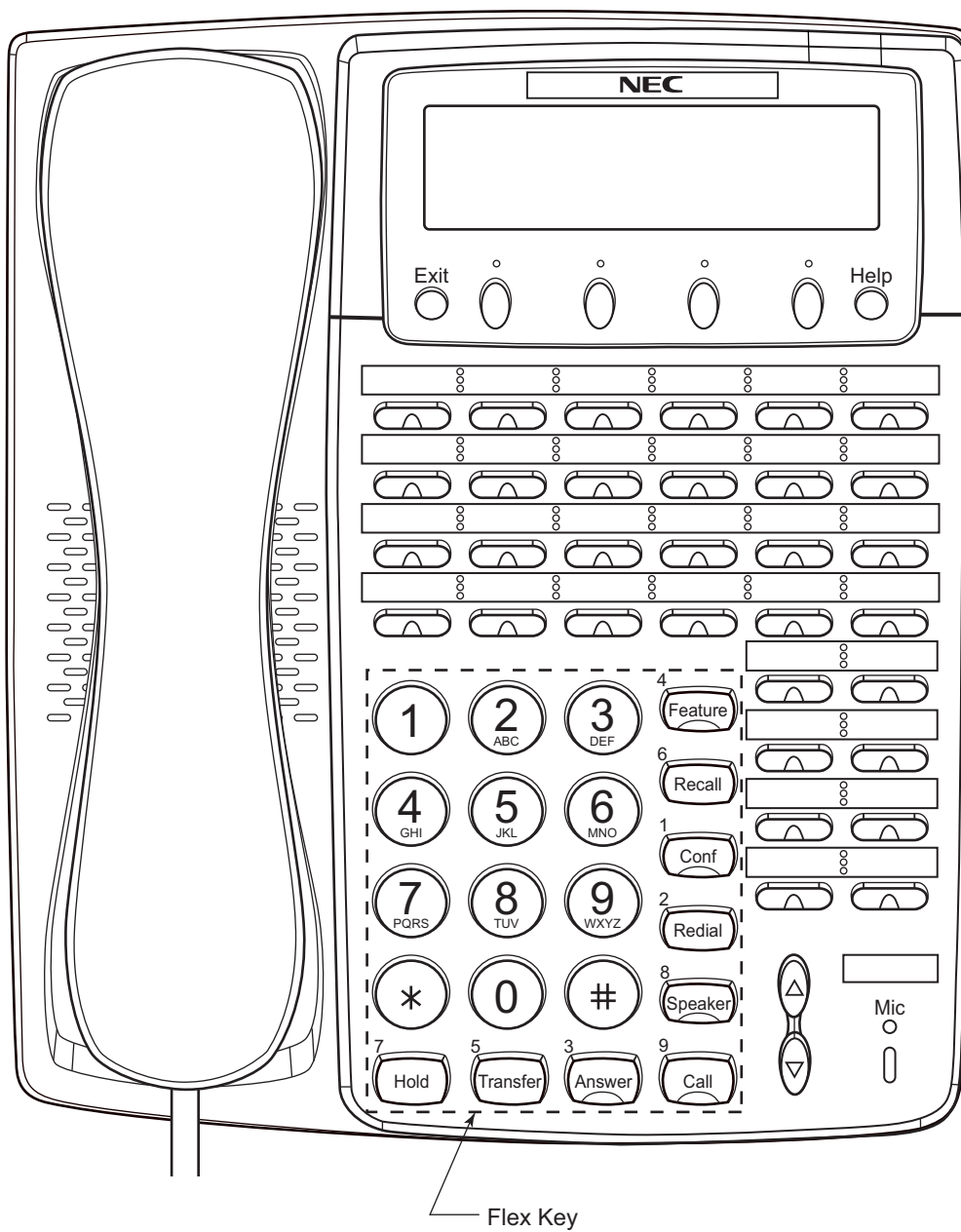
Dterm Series *i* (8-button Type)

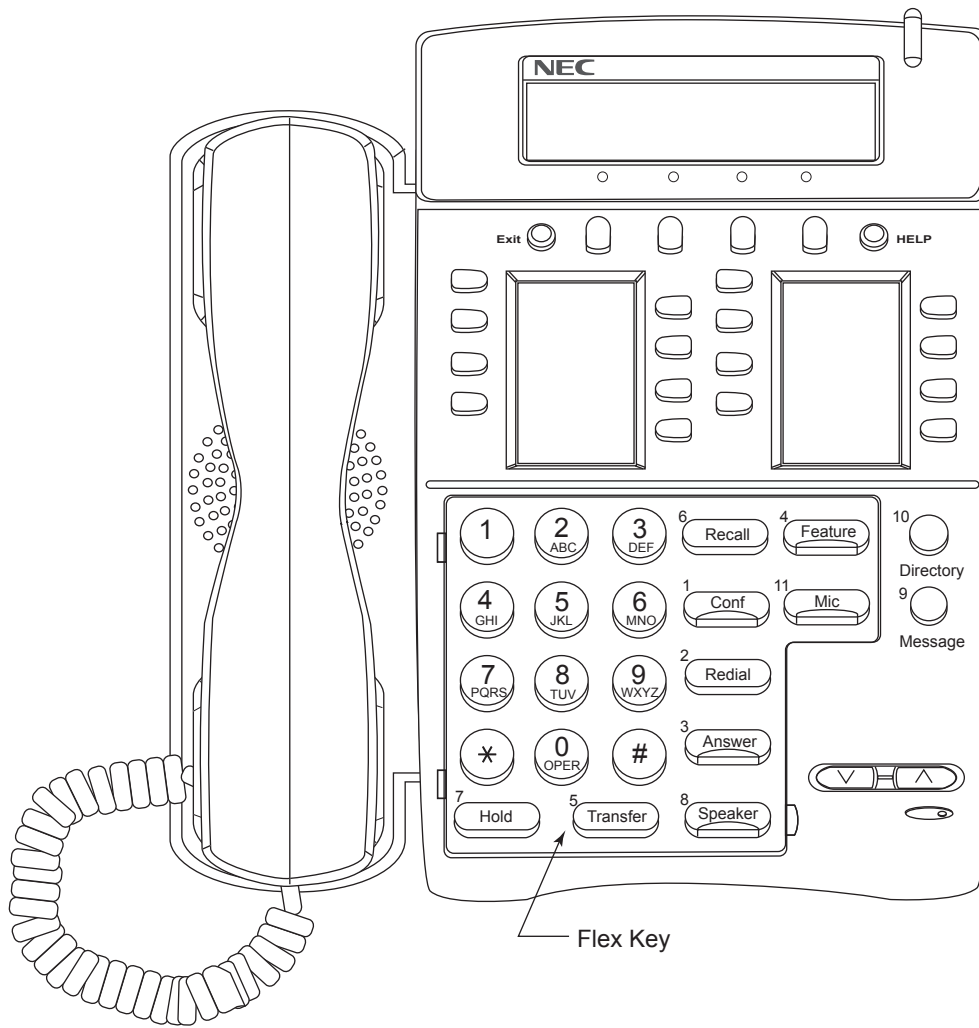
Dterm Series *i* (DTR-8D-1R) (8-button Type)

Dterm Series i (16-button Type)

Dterm Series *i* (DTR-16D-1R) (16-button Type)

Dterm Series i (32-button Type)

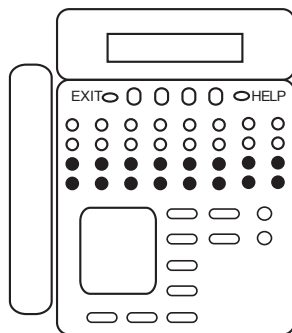
Dterm Series *i* (DTR-32D-1R) (32-button Type)

Dterm Series i (16LD Unit)

Key Number Appearance of Dterm Series *i*

Following is the Line/Feature Key number (KYN) operating in D^{term} Series *i* mode.

(1)

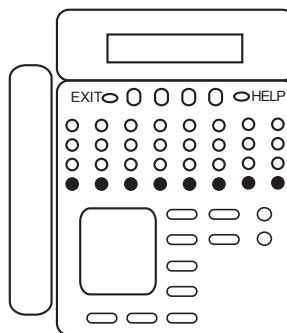


KEY NUMBER appearance

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

○ Line / Trunk / Feature key
● DSS key

(2)

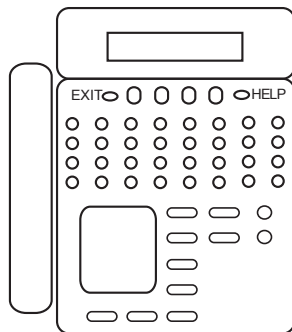


KEY NUMBER appearance

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

○ Line / Trunk / Feature key
● DSS key

(3)

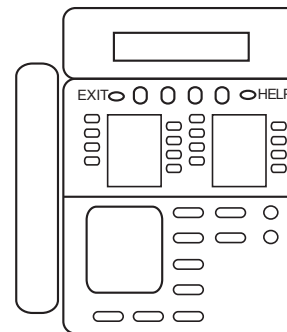


KEY NUMBER appearance

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32

○ Line / Trunk / Feature key
● DSS key

(4)



KEY NUMBER appearance

1	2	9	10
3	4	11	12
5	6	13	14
7	8	15	16

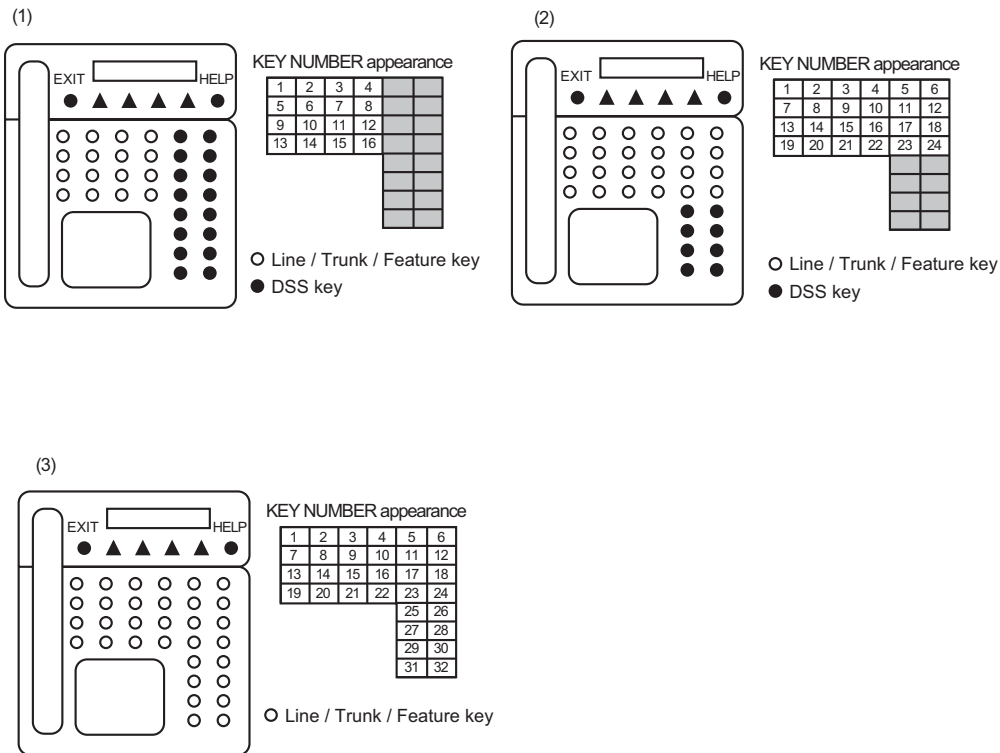
○ Line / Trunk / Feature key

The key arrangement designated by the ADKS command.

- (1) Line/Trunk key, Feature key × 16 + DSS key × 16
- (2) Line/Trunk key, Feature key × 24 + DSS key × 8
- (3) Line/Trunk key, Feature key × 32
- (4) Line/Trunk key, Feature key with LCD Display × 16

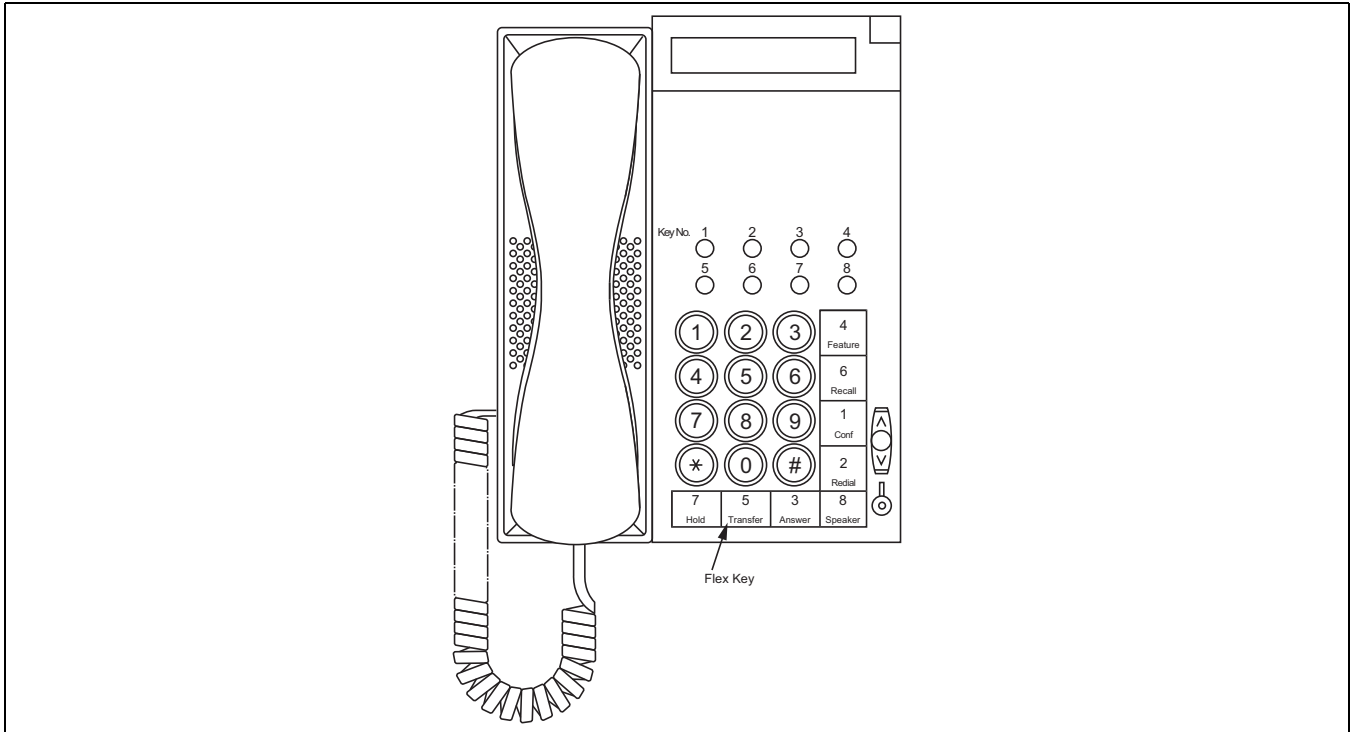
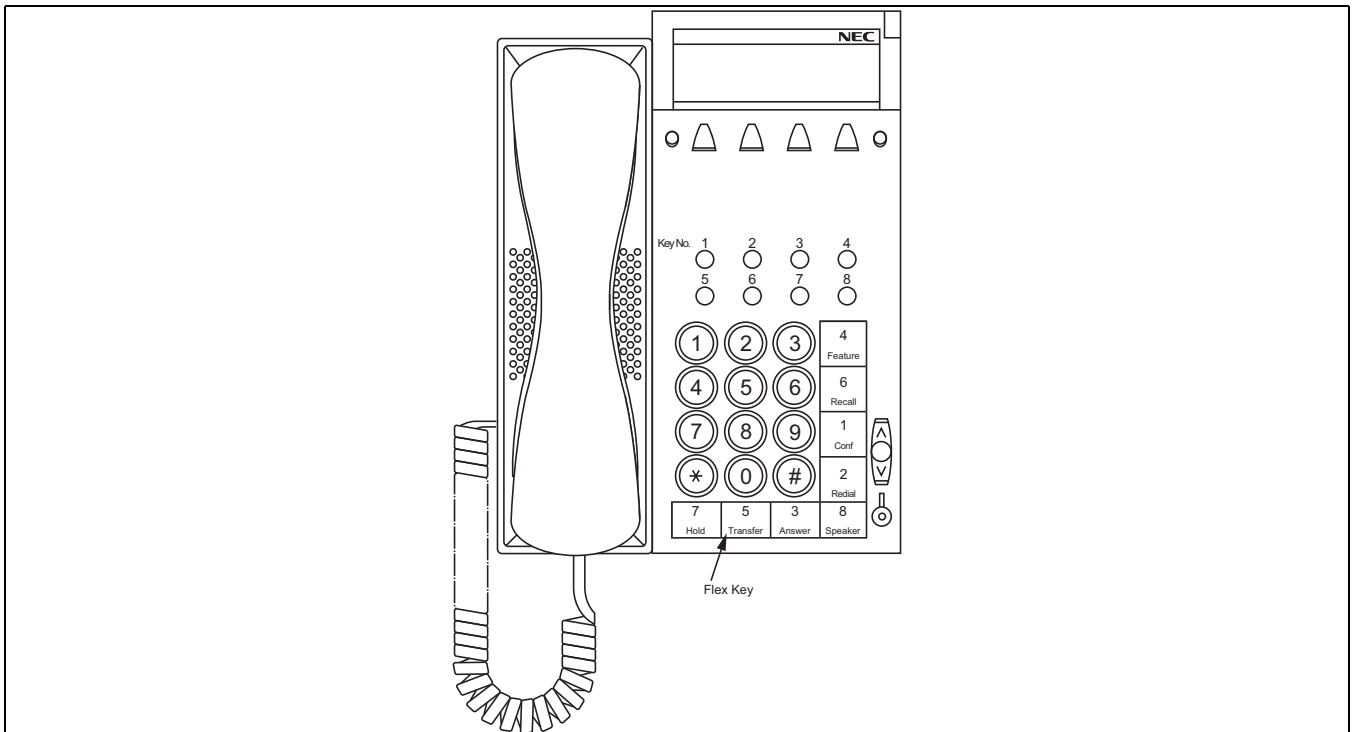
Key Number Appearance of Dterm Series *i* (DTR-8D-1R/DTR-16D-1R/DTR-32D-1R)

Following is the Line/Feature Key number (KYN).

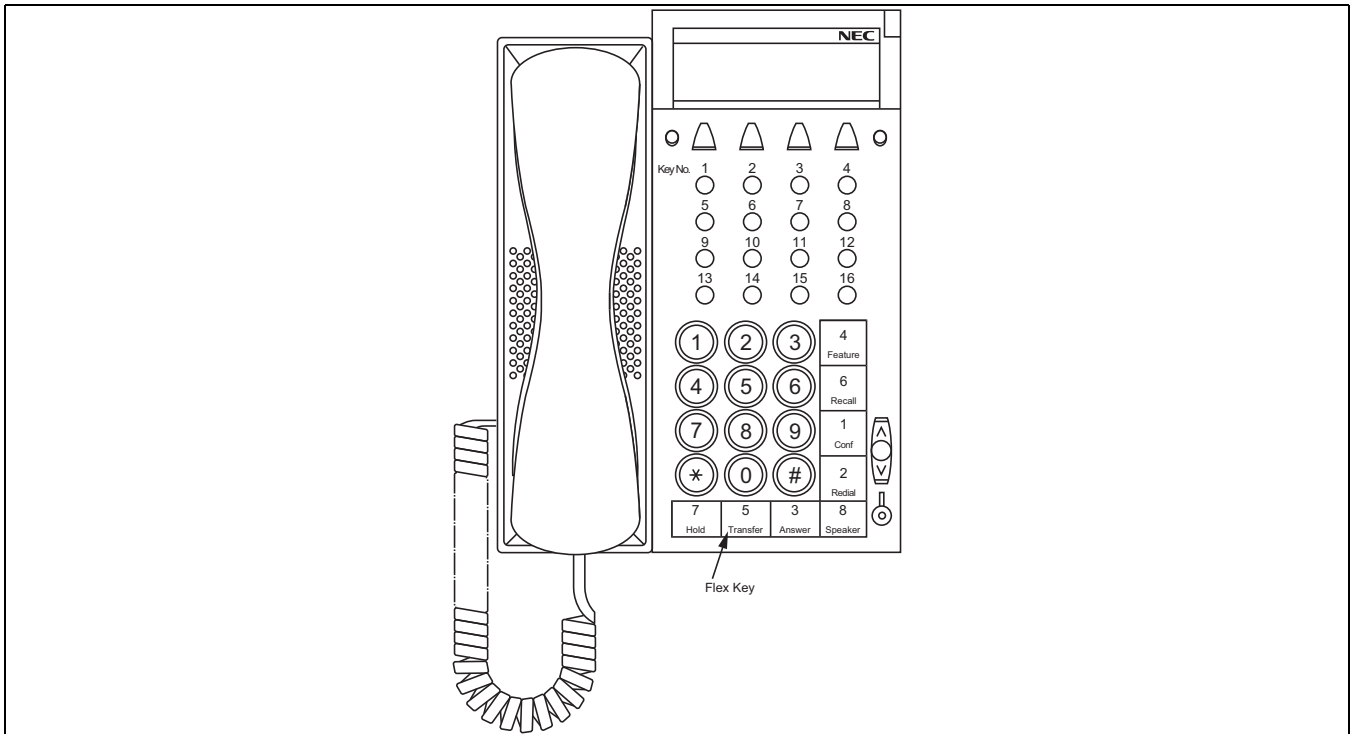


The key arrangement designated by the ADKS command.

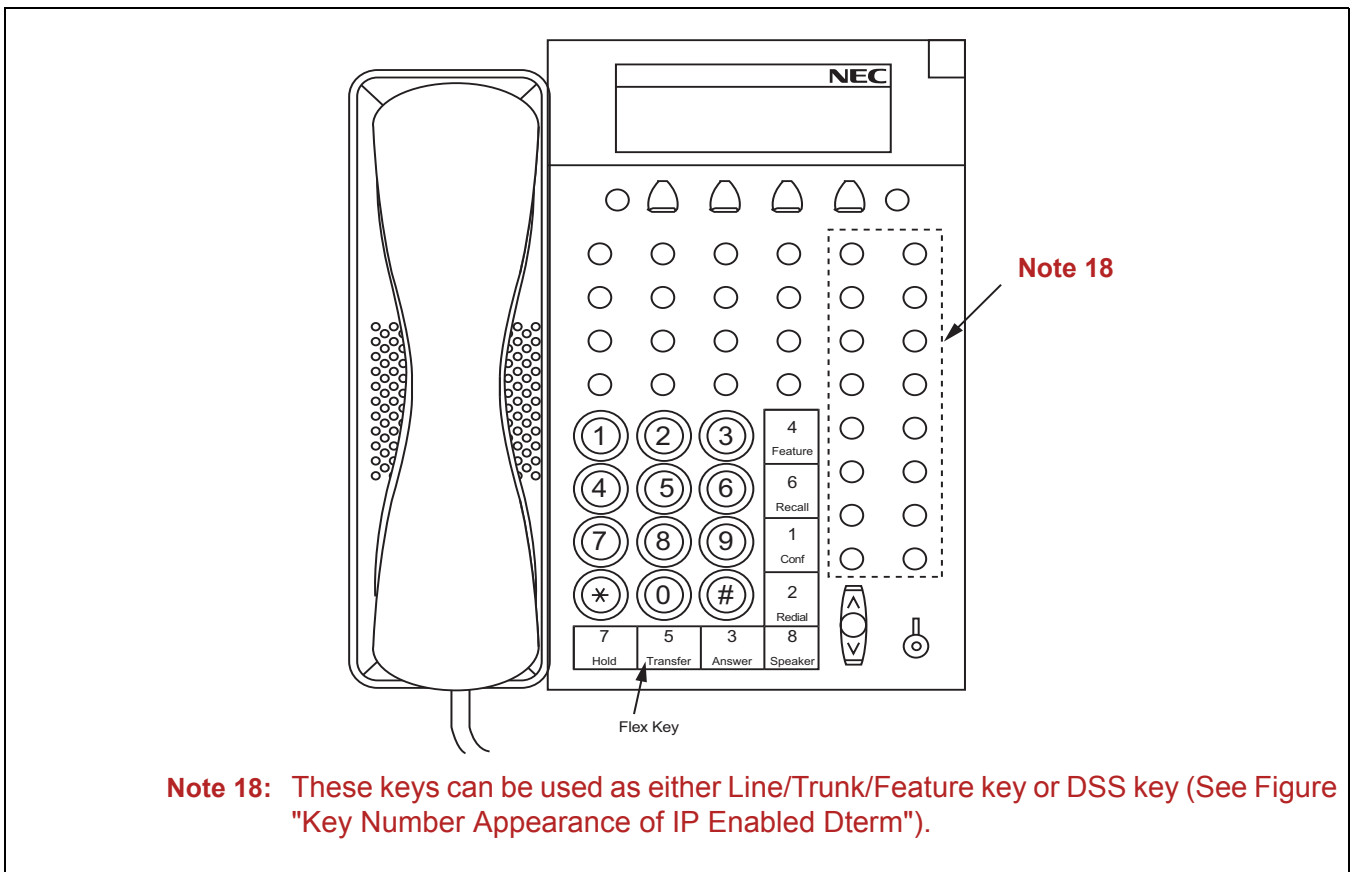
- (1) Line/Trunk key, Feature key X 16 + DSS key X 16
- (2) Line/Trunk key, Feature key X 24 + DSS key X 8
- (3) Line/Trunk key, Feature key X 32

IP Enabled Dterm (8-Button Type without LCD)**IP Enabled Dterm (8-Button Type with LCD)**

IP Enabled Dterm (16-Button Type)

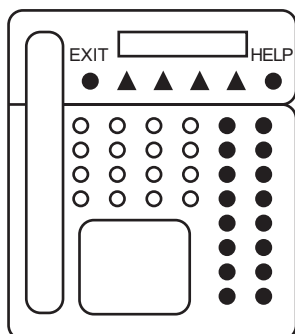


IP Enabled Dterm (32-Button Type)



Key Number Appearance of IP Enabled Dterm

(1)

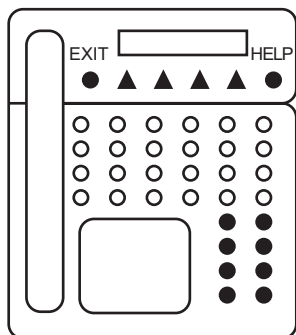


KEY NUMBER appearance

1	2	3	4		
5	6	7	8		
9	10	11	12		
13	14	15	16		

- Line / Trunk / Feature key
● DSS key

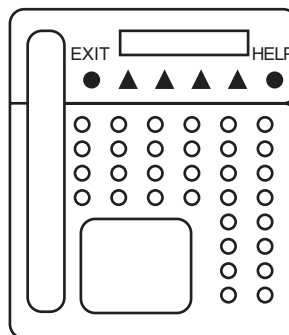
(2)



KEY NUMBER appearance

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

(3)



KEY NUMBER appearance

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
				25	26
				27	28
				29	30
				31	32

The key arrangement designated by the ADKS command.

- (1) Line/Trunk key, Feature key X 16 + DSS key X 16
(2) Line/Trunk key, Feature key X 24 + DSS key X 8
(3) Line/Trunk key, Feature key X 32

Note: In the case of DtermSP30, assign LKP=3 (32 Line/Feature keys).

3. Data Entry Instructions

TN: Tenant Number

Enter the tenant number of My Line.

STN: Station number

Enter the station number of My Line.

PRI: Priority of Answering Call [0-4]

PRI	LINE PREFERENCE		
	1	2	3
0	L	-	-
1	D	L	-
2	A	L	-
3	M	L	-
4	A	M	L

L: Preference pattern when the SPEAKER button is pressed.

D: Dial Intercom Line (Ringing Station)

A: Automatic Intercom Line (Ringing Station)

M: Manual Intercom Line (Signaling Station)

PL TN: Prime Line Tenant Number

Enter the tenant number of Prime Line.

PL STN: Prime Line station number

Enter the station number of Prime Line.

S: Suppression - OG from Prime Line [0/1]

(OFF-HOOK suppression)

Note: This data is only available when ACD/OAI (System Data 1, Index: 79, Bit 6 = 0) service is provided.

0=Allowed

1=Inhibited

MWD: Message Waiting Data Display Selection [0/1]

0=MW data display on the top line

1=MW data display on the bottom line

LN PRE: Line Preference [0/1] Note 1

0=Standard **Note 2**

1=Customize (Line Preference data is set by ANSWER button and ORIGINATING button)

Note 1: After changing data for LN PRE parameter, ELC card initialization is required.

Note 2: Standard data uses the following Line Preference.

BUTTON	LINE PREFERENCE
SPEAKER Button	Prime Line Preference
ANSWER Button	Incoming Line Preference (Button Location Ascending Order)
ORIGINATING Button	Idle Line Preference (Button Location Ascending Order)

SPK: Line Preference for Speaker Button [0-3]

This data is only available in the case of LN PRE=1. Prime Line Preference is 0 (fixed).

0=Prime Line Preference

ANS: Line Preference For Answer Button or Handset/Headset (Note 3) [0-2]

This data is only available when LN PRE=1.

0/1=Incoming Line Preference (Button Location Ascending Order)

2=Ring Line Preference (CO Incoming Call takes precedence)

Note 3: When using the handset/headset, Line Preference is performed by this data only when [R-57D] Ring Line Pickup -D has been activated.

ORG: Line Preference for Originating Button or Handset/Headset (Note 4) [0-2]

This data is only available when LN PRE=1.

0/1=Idle Line Preference (Button Location Ascending Order)

2=Prime Line Preference, Idle Line Preference (Button Location Descending Order) **Note 5**

Note 4: When using the handset/headset, Line Preference is performed by this data only when Automatic Line Selection has been activated. Automatic Line Selection allows Desktop terminal to automatically select an available line programmed on the terminal when its handset is lifted or the ORG button is pressed. To set/cancel Automatic Line Selection from Desktop terminal, press FEATURE key first and then Originate (ORG) key. Originate (ORG) key lights red/is extinguished.

Note 5: If the Prime Line is busy, Idle Line Preference (Button Location Descending Order) is selected.

TP: Type of Desktop terminal [0-5]

The data assigned to the parameter TP may differ depending on the parameter KYI, or KYI2. See the following table.

DATA	MEANING	
	DT800 Series/DT400 Series/ DT700 Series/DT300 Series	Dterm Series <i>i</i>
0	2/6/8/12-button type (Flex keys remain the same)	4/8/16-button type
1	24-button type or 24-button type with Add on Module (Flex keys remain the same)	32-button type with Add on Module
2 Note 6	2/6/8/12-button type (Changes occur to Flex keys)	4/8/16-button type + Flex keys
3 Note 7	24-button type or 24-button type with Add on Module (Changes occur to Flex keys)	32-button type with Add on Module + Flex keys
4	Not used	
5		

Note 6: When no data is assigned to KYN2, the system recognizes as TP=0.

Note 7: (1) When no data is assigned to KYN=17 or later/KYN2, the system recognizes as TP=0.
(2) When data is assigned to KYN=17 or later and no data is assigned to KYN2, the system recognizes as TP=1.

◆ For Line/Feature keys

KYN: Key Number [1-40]**KYI: Service Index [0-2]**

Enter the type of keys.

0=Key is not used

1=Function Key

2=Multi-line

FKY: Function Key Number [1-320]

See the List of FKY (AKYD).

KD: Kind of Line [0-2, 4]

0=Line

1=Intercom

2=DSS Key

4=Multiple Line Appearance **Note 8**

Note 8: For a single Desktop terminal, a maximum of 4 lines can be assigned for Multiple Line Appearance.

Line TN: Multi-line Tenant Number

Enter the tenant number of Multi-line.

STN: Multi-line station number

Enter the station number of Multi-line.

LENS: Multiple Line Appearance Equipment Numbers

Enter the LENS of the Multiple Line Appearance.

RG: Ring information for each line [0-7]

See the List of Ring Information for RG data 0-7.

ICM: Kind of Intercom [0-2]

0=Automatic

1=Manual

2=Dial

G-ID: Group ID number [1-50]

Enter unique number for each Intercom group within the range of 1 to 50.

◆ For Flex keys

KYN2: Key Number 2 [F1-F16]

Available when parameter TP=2/3. If no data is allocated on Flex key, default key data is applied.

Note: Added Flex keys (Directory and Message) for Dterm Series i are available in the following condition;
Circuit card:PA-16ELCJ-B
Firmware:SP-3656 16ELCJB PROG-E (Issue 1 or later)

KYI2: Service Index for Flex Keys [0/1]

Enter the type of keys.

0=Key is not used

1=FLEX Key

FKY: Function Key Number for Flex Keys [1-320]

See the List of FKY (AKYD).

List of Function Key Number (FKY)

FKY	Service Name	Related SFI	Remarks
1	Call Forwarding-Busy Line	SFI 9	SFI 9 (Call Forwarding-Busy Line)
2	Call Forwarding-All Calls	SFI 7	SFI 7 (Call Forwarding-All Calls)
3	Executive Right-of-Way	SFIs 3, 4, 11	SFI 3 (Executive Right-of-Way [Calling]) SFI 4 (Executive Right-of-Way [Called]) SFI 11 (Data Line Security)
4	Call Waiting	SFIs 5, 6, 11	SFI 5 (Call Waiting-Originating [Calling]) SFI 6 (Call Waiting-Originating [Called]) SFI 11 (Data Line Security)
5	Call Back	SFI 2	SFI 2 (Call Back)
6	*Message Reminder		
7	*Save and Repeat		
8	Last Number Called	SFI 44	SFI 44 (Last Number Call Redial)
9	Boss-Secretary-Message Waiting Lamp Control; Set	SFIs 74, 82	SFI 74 (Message Waiting Lamp Setting from the ATT or Station [Called]) SFI 82 (Message Waiting Lamp Setting from the Station [Calling])
10	Call Hold	SFI 10	SFI 10 (Call Hold)
11	Boss-Secretary-Message Waiting Lamp Control; Cancel	SFIs 74, 82	SFI 74 (Message Waiting Lamp Setting from the ATT or Station [Called]) SFI 82 (Message Waiting Lamp Setting from the Station [Calling])
12	Call Pickup-Group		
13	Three-Way Calling		
14	Voice Call		
15	Speed Calling-System	SFI 12	SFI 12 (Speed Calling-System)
16	Function		
17	*CAS SHF		
18	*Call Transfer-All Calls		
19	*UCD Busy Out		
20	*Non-Exclusive Hold/Exclusive Hold (Hold)		
21	*Flash Button		
22	*Call Forwarding-Don't Answer	SFI 8	SFI 8 (Call Forwarding Don't Answer)
23	-		
24	-		
25	ISDN Malicious Call Trace	SFI 120	SFI 120 (ISDN Malicious Call Trace) Note: Australia and U.A.E. only
26	Speed Calling-Station	SFI 19	SFI 19 (Individual Speed Calling)
27	Originate (ORG)		

FKY	Service Name	Related SFI	Remarks
28	Answer (ANS)		
29	Data (DATA)		
30	Display/Auto (DSPY/AUTO)		
31	Data Transfer (DTX)		
32	-		
33	Message Waiting Lamp (MW)		
34	OAI Key Code 1 (Break)		
35	OAI Key Code 2 (Auto/Man)		Note: Automatic/Manual answer key, toggles between Automatic Answer Mode and Manual Answer Mode.
36	OAI Key Code 3		
37	OAI Key Code 4 (Work)		
38	OAI Key Code 5 (Night)		
39	OAI Key Code 6 (Trunk Trouble)		
40	OAI Key Code 7 (Tally)		
41	OAI Key Code 8		
42	OAI Key Code 9		
43	OAI Key Code 10		
44	OAI Key Code 11		
45	OAI Key Code 12		
46	OAI Key Code 13		
47	UCD Call Waiting Lamp (Business)/END (Hotel)/OAI Key Code 14		
48	Privacy Release		
49	*Speed Calling-One Touch		
50	Do Not Disturb	SFI 114	SFI 114 (Display on a Desktop terminal when DND is set: 0/1=RST/DND)
51	*Microphone		
52	Speaker		
53	-		
54	-		
55	*PAGE		
56	-		
57	*Recall		
58	-		
59	Release Key		
60	*Manual Signaling Key		

FKY	Service Name	Related SFI	Remarks
61	-		
:			
65	-		
66	Record		
67	Address		
68	-		
69	Stop Recording		
70	Continue Recording		
71	Erase		
72	-		
73	Listen		
74	-		
75	Call Park Group-D Key 1		
76	Call Park Group-D Key 2		
77	Call Park Group-D Key 3		
78	Call Park Group-D Key 4		
79	Call Park Group-D Key 5		
80	Call Park Group-D Key 6		
81	Call Park Group-D Key 7		
82	Call Park Group-D Key 8		
83	Retain Conference		
84	*Serial Call		
85	Internal Zone Paging	SFI 134	SFI 134 (Internal Zone Page Calling)
86	-		
87	Wake Up Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for WU status lamp.
88	Wake Up Reset		
89	DND (Do Not Disturb) Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for DND status lamp.
90	DND (Do Not Disturb) Reset		
91	Room Cut Off Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for RC status lamp.
92	Room Cut Off Reset		

FKY	Service Name	Related SFI	Remarks
93	Message Waiting Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for MW status lamp.
94	Message Waiting Reset		
95	Check In		
96	Check Out		
97	Status		
98	Audit		
99	Enter		
100	Clear Enter		
101	End		
102	-		
:			
112	-		
113	Call ID Change Display		
114	-		
115	Call Pickup Expand		
116	Call Hold Conference		
117	*Ringer Mute		
118	Call Return		
119	-		
120	Next Page of Software Keys (Scroll Key)		
121	Previous Page of Software Keys (Back Scroll Key)		
122	Soft Key Assignment		
123	Off Hook Ringing (OFR)		
124	Mute (MUTE)		
125	Headset/Handset		
126	Transfer to Sub Station		
127	Boss Move		
128	Call Block		
129	Call Trace	SFI 170	SFI 170 (Call Trace)
130	Calling Party CLIR/CLIP Control		
131	Disconnect Key		
132	Call Redirect (North America only)		
133	Remote Call Hold (North America only)		
134	-		

FKY	Service Name	Related SFI	Remarks
135	-		
136	Selectable Station Call Pickup	SFI 183	SFI 183 (Selectable Station Call Pickup)
137	Selectable Station Call Pickup Group	SFI 183	SFI 183 (Selectable Station Call Pickup)
138	-		
139	-		
140	-		
141	-		
142	Logout		Note: Not supported for Digital terminal.
143	Voice Coding Mode Change		
144	Voice Coding Select		
145	-		
146	Expanded Speed Calling-Station/Group		
147	Message		
148	Call Forwarding-Logout	SFI 198	SFI 198 (Call Forwarding-Logout) Note: Not supported for Digital terminal.
149	Message Audible Alert (North America only)		
150	-		
151	MA-ID Setting	SFI 213	SFI 213 (MA-ID Setting)
152	-		
153	Day/Night Mode		
154	Multi-Internal Zone Paging (North America only)		
155	-		
156	Visitor Key		
157	Change of Handset		
158	Call Park Deluxe-Hold/Retrieve-1	SFI 220 SFI 68	SFI 220 (Call Park Deluxe Entry/Retrieve) SFI 68 (Call Park-Called)
159	Call Park Deluxe-Hold/Retrieve-2		
160	Call Park Deluxe-Hold/Retrieve-3		
161	Call Park Deluxe-Hold/Retrieve-4		
162	Call Park Deluxe-Hold/Retrieve-5		
163	Privacy Key		
164	-		Feature C-7D enhancement
165	SPD Name Assign		
166	Call Pickup Preview		
167	Mobility Access	SFI 234	SFI 234 (Mobility Access)

FKY	Service Name	Related SFI	Remarks
168	Hotel One-Touch Calling Service Key 1		
169	Hotel One-Touch Calling Service Key 2		
170	Hotel One-Touch Calling Service Key 3		
171	Hotel One-Touch Calling Service Key 4		
172	Hotel One-Touch Calling Service Key 5		
173	Hotel One-Touch Calling Service Key 6		
174	Hotel One-Touch Calling Service Key 7		
175	Hotel One-Touch Calling Service Key 8		
176	-		
177	Language Change Key (LANG)		
178	Call History	SFI 238	SFI 238 (Call History)
179	Conference Display	SFI 32 SFI 131 SFI 138 SFI 140 SFI 221	SFI 32 (Line Circuit Reverse Relay Control (for 16LC)) SFI 131 (Add on Conference - 8 Party) SFI 138 (Consultation Hold Enhancement) SFI 140 (Send Warning Tone to interrupted parties when Three-Way-Calling is established using Consultation Hold Enhancement) SFI 221 (Stop the hold music during 8/16/32-Party Conference call) Note: Available since FP95-115 V5.
180	Phone book	SFI 245 SFI 246	SFI 245 (Local Phone book) SFI 246 (System Phone book)
181	Link Down Notice		
182	-		
183	Call Park Group -D Hold Key		
184	Power Saving		
185	Call Pickup Key Group-1		
186	Call Pickup Key Group-2		
187	Call Pickup Key Group-3		
188	Call Pickup Key Group-4		
189	Call Pickup Key Group-5		
190	Display Reversing		RVERS
191	-		
192	Mobile Service		
193	Line Information Change Display		

FKY	Service Name	Related SFI	Remarks
194	Call Recording		Note: Be sure to assign this key data within KYN=1-24 to Feature/Line keys. For DSS keys, assign this key data within KYN=1-16. However, this key data cannot be assigned to the optional line key units (such as 8LK Unit, 16LK Unit, DSS console, etc.) Note: For FP95-114 V4 or earlier, the Service Name is "Record(USB)."
195	Connect (Smart Device)		
196	Path (Smart Device)		
197	Security		
198	Large Font		
199	SPD setting		
200	-		
201	CF Setting button 1		Available from FP95-114 V4 Issue 2.0.
202	CF Setting button 2		
203	CF Setting button 3		
204	CF Setting button 4		
205-320	-		

*: This service is activated without releasing service restriction by ASFC.

List of Ring Information

RG (0-7)	RINGING		DELAY TIME
	DAY	NIGHT	
0	NO (No Ringing)	No Ringing	
1	YES (Ringing)	No Ringing	0 seconds
2	NO (No Ringing)	Ringing	0 seconds
3	Not used	Not used	
4	YES (Ringing)	Ringing	30 seconds
5	YES (Ringing)	Ringing	20 seconds
6	YES (Ringing)	Ringing	10 seconds
7	YES (Ringing)	Ringing	0 seconds

4. Data Sheet

(a) When KD = 0/1 (for key assignment of Line key/Intercom key)

MY LINE									
TENANT NUMBER (TN)		STATION NUMBER (STN)							
PRIORITY OF ANSWERING CALL (PRI) 0-4	PRIME LINE		ALLOW OG FROM PRIME LINE (S) 0/1	MESSAGE WAITING DATA DISPLAY SELECTION (MWD) 0/1	LINE PREFERENCE (LN PRE) 0/1	LINE PREFERENCE FOR SPEAKER BUTTON (SPK) 0-3	LINE PREFERENCE FOR ANSWER BUTTON (ANS) 0-2	LINE PREFERENCE FOR OUTGOING BUTTON (ORG) 0/1	TYPE OF DESK-TOP TERMINAL (TP) 0-5
	TENANT NUMBER (PL TN)	STATION NUMBER (PL STN)							
KEY NUMBER (KYN)	SERVICE CONDITION (KYI) 0-2	FEATURE KEY CODE (FKY) 1-320	KIND OF LINE (KD) 0-2	MULTI LINE			INTERCOM		
				TENANT NUMBER (TN)	STATION NUMBER (STN)	RING INFORMATION FOR EACH LINE (RG) 0-7	KIND OF INCOM (ICM) 0-2	GROUP ID NUMBER (G-ID) 1-50	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									

KEY NUM- BER (KYN)	SERVICE CONDITION (KYI) 0-2	FEATURE KEY CODE (FKY) 1-320	KIND OF LINE (KD) 0-2	MULTI LINE			INTERCOM	
				TENANT NUMBER (TN)	STATION NUMBER (STN)	RING INFORMATION FOR EACH LINE (RG) 0-7	KIND OF INCOM (ICM) 0-2	GROUP ID NUM- BER (G-ID) 1-50
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
F1								
F2								
F3								
F4								
F5								
F6								
F7								
F8								
F9								
F10								

Note 1: When KYI=None, it is not necessary to assign any data.

Note 2: When KYI=FUNCTION, assign data for FKY only.

Note 3: When KYI=Multi-Line, assign data for multiline telephone only.

(b) When KD=2 (for key assignment of DSS Console)

KEY NUMBER	TENANT NUMBER (TN)	STATION NUMBER (STN)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

AKYD_T: Assignment of Key Data for Dterm – Telephone Number

1. General

This command assigns the following key data corresponding to each Line/Feature key on a Desktop terminal. The station data of AKYD command can be assigned by using Telephone Number.

- Line Key Data
- Function Key Data
- Intercom Key Data
- DSS Key Data

Note: The DSS Key Data (KD=2) assigned by this command is different from the DSS key specified by ADKS command. On the Line/Feature key, the station number can be specified to the target key. For this key, the specified station number cannot be changed on the terminal.

2. Precautions

1. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
2. When logging in to a Local Node (LN), only the Telephone numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. Prior to this command, Telephone numbers must be allocated by using the ALGSN command. Only the Telephone numbers assigned by the ALGSN command can be used. Telephone numbers by the ALGSL command are not available in this command.
4. Desktop terminals (DT800 Series, DT400 Series, DT700 Series, DT300 Series, Dterm Series *i*, DtermIP INASET, and IP Enabled Dterm) have default key data. If the default data is to be used, assignment in AKYD/AKYD_T is not necessary. For the default data, refer to the table below.

Default Data for Each Line/Feature Key

KEY NO.	DEFAULT DATA	KEY NO.	DEFAULT DATA
1	Call Pickup	9	Prime Line
2	Call Forwarding–Busy Line / Don't Answer	10	Speed Calling One–Touch
3	Call Forwarding–All Calls	11	Speed Calling One–Touch
4	Executive Right of way	12	Speed Calling One–Touch
5	Voice Call	13	Speed Calling One–Touch
6	Message Reminder	14	Speed Calling One–Touch
7	Save And Repeat	15	Speed Calling One–Touch
8	Last Number Call	16	Speed Calling–System

However, the key data for all the keys must be assigned even a key is changed from the default settings. For the key data settings of 24/32–button Desktop terminal, if there is no data assignment to KYN 1–16, the default data is applied to KYN 1–16. Also, the key data turns back to the default settings if the data assigned by this command is deleted. **Note 1**

Note 1: KYN 13-16 do not exist for DT800 Series: DT830 (12-button type)/DT830G (12-button type (12DG/12CG))/DT700 Series: DT730 (12-button type)/DT730G (12-button type (12DG/12CG))/DT400 Series: DT430 (12-button type) and DT300 Series: DT330 (12-button type). Assignment of key data is mandatory for Desktop terminal with 8 keys or less.

5. The following shows the specification pertaining to data assignment for the Desktop terminal. **Note 2**

Note 2: Be sure to assign MY LINE data by AKYD/AKYD_T command when using 4-button/8-button type Desktop terminal (including Cradle type).

Key Data Assignment (AKYD_T)

TYPE OF TERMINAL		LINE/FEATURE KEY Note 3	NUMBER OF BUTTONS
DT800 Series: DT830	12-button type	KYN=1-12	12
	24-button type	KYN=1-24	24
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32)	32 (virtual)
DT800 Series: DT830G	12-button type (12DG)	KYN=1-12	12
	12-button type (12CG) (with Color LCD)	KYN=1-12	12
	24-button type (24DG)	KYN=1-24	24
	24-button type (24CG) (with Color LCD)	KYN=1-24	24
DT800 Series: DT820	8-button type (DESI-LESS) Note 5	KYN=1-8 Note 8	8
		KYN=1-16 (optional license) Note 9	16 (virtual)
		KYN=1-32 (optional license) Note 8	32 (virtual)
	6-button type	KYN=1-6	6
DT400 Series: DT410	2-button type (without LCD)	KYN=1-2	2
	6-button type	KYN=1-6	6
DT400 Series: DT430	12-button type	KYN=1-12	12
	24-button type	KYN=1-24	24
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32)	32 (virtual)
DT700 Series: DT710	2-button type (without LCD)	KYN=1-2	2
	6-button type	KYN=1-6	6
	8-button type (DESI-LESS) Note 5 , Note 6	KYN=1-8	8 (virtual)

TYPE OF TERMINAL		LINE/FEATURE KEY Note 3	NUMBER OF BUTTONS
DT700 Series: DT730	12-button type	KYN=1-12	12
	12-button type (with PSA Unit) Note 4	KYN=1-12	12
	24-button type	KYN=1-24	24
	24-button type (with 8LK Unit)	KYN=1-32 (24+8)	32
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32)	32 (virtual)
DT700 Series: DT730G	12-button type (12DG)	KYN=1-12	12
	12-button type (12CG) (with Color LCD)	KYN=1-12	12
	24-button type (24DG)	KYN=1-24	24
	24-button type (24CG) (with Color LCD)	KYN=1-24	24
DT700 Series: DT750	Color LCD display type	KYN=1-32 (8 x 4=32)	32 (virtual)
DT700 Series: DT770G	Cradle type	KYN=1-2	2
DtermIP INASET	8-button type	KYN=1-8	8
DT300 Series: DT310	2-button type (without LCD)	KYN=1-2	2
	6-button type	KYN=1-6	6
	12-button type (without LCD) Note 7	KYN=1-12	12
DT300 Series: DT330	12-button type	KYN=1-12	12
	12-button type (with PSA Unit) Note 4	KYN=1-12	12
	12-button type Cordless Terminal	KYN=1-12	12
	24-button type	KYN=1-24	24
	24-button type (with 8LK Unit)	KYN=1-32 (24+8)	32
	8-button type (DESI-LESS) Note 5	KYN=1-32 (8 x 4=32)	32 (virtual)

Note 3: The number of available Line/Feature keys differs according to LKP parameter in ADKS command. Depending on the key pattern, DSS key will be arranged. For the details, refer to ADKS command.

Note 4: Analog PSTN Adapter (PSA) Unit enables a Desktop terminal to switch to Public Switched Telephone Network (PSTN) when power failure occurs.

Note 5: DT800 Series: DT830 (8-button type)/DT820 (8-button type) DT700 Series: DT730 (8-button type)/DT710 (8-button type) DT400 Series: DT430 (8-button type) and DT300 Series: DT330 (8-button type), which are enabled to display programmable Line/Feature key information on its Liquid Crystal Display (LCD), will hereafter be called DESI-LESS.

Note 6: Dterm Series *i* mode is not supported.

Note 7: Available only in North America.

Note 8: The number of Line/Feature keys depends on the terminal license setting (for North America) or terminal model (for EMEA/Asia/Australia).

Note 9: Supported for North America only.

6. Before assigning the key data for a Desktop terminal using this command, be sure to assign the station data of the Desktop terminal using the ASDT command (TN, STN, TEC=12 (Desktop terminal)). The station number assigned by the ASDT command is referred to as MY LINE. **Note 10**

Note 10: This My Line corresponds to the physical port associated with the LENS of an ELC card.

7. By assigning another station line to a Line/Feature key using this command, an incoming call terminated to a station line other than My Line can be answered or can be transferred as in the case of the My Line. A station line other than My Line is referred to as a Sub Line. A Sub Line can be assigned not only to a Desktop terminal but to any conventional telephone. In addition, the station data for My Line and Sub Line must be assigned by the ASDT command before the key data is assigned. When the Sub Line and the My Line belong to different tenants, use the ATNR command to clear the Tenant-to-Tenant Restriction.
8. A Multi-Line key (the key for My Line and Sub Line) on the Desktop terminal can be assigned as Prime Line. If a separate Prime Line is not assigned, the My Line can serve as the Prime Line. When the user goes off-hook, the Prime Line is automatically selected on the Desktop terminal.
9. A Virtual Line can be assigned as a Sub Line of the Desktop terminal. The Virtual Line can be used the same way as the My Line for outgoing calls and other service operations. **Note 11**

Note 11: Virtual Line—A virtual LENS exists only in memory, but does not exist physically. Data can be assigned but no hardware is required.

Example: LENS=000311. The virtual LENS is assigned by the ASDT command in the same way as an ordinary line. (The telephone class is **TEC=18**: Virtual Line)

10. The ability to assign Sub Line appearances across Module Groups is available when ASYD command SYS1, Index 321, b0=1 is assigned. For more information, refer to Expanded Multiple Line Operation- D [E-26] of Data Programming Manual- Business. (This feature is available for Dterm Series *i* and DT800 Series/DT400 Series/DT700 Series/DT300 Series terminals only.)
11. When assigning key data to the Line/Feature key, take the following precautions:
 - (a) There is no default key data provided for Desktop terminal (8-button type/24-button type/32-button type). The key data for all of the Line/Feature keys must be programmed.

- (b) My Line key must be programmed.

Depending on the maximum number of Line/Feature key, assign the KYN (My Line key data) on the terminal. For the keys are not used, be sure to assign KYI=0 (Not used).

For 24-button type/32-button type, My Line key must be assigned within KYN=1-24.

- (c) Unused Line/Feature keys should be assigned as KYI=0 (Not used).

- (d) The following function keys are basically fixed:

FKY=8:Last Number Call

FKY=13:CONF (Three-Way Calling)

FKY=15:DIRECTORY (Speed Calling-System)

FKY=18:TRANSFER (Call Transfer-All Calls)

FKY=20:HOLD (Non-Exclusive Hold/Exclusive Hold)

FKY=27:Originate (ORG) (Only for Dterm Series *i* [DTR-8D-1R/DTR-16D-1R/DTR-32D-1R])

FKY=28:ANSWER

FKY=49:Speed Calling-One Touch

FKY=51:MIC

FKY=52:SPEAKER

FKY=57:RECALL

FKY=147: MESSAGE

12. If assigning My Line when using a 16 or less-button type terminal, My Line must be assigned to any key within the number of existing keys.
13. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
14. The FKY=49: Speed Calling-One Touch can be assigned to a maximum of 16 consecutive Key Numbers (KYNS). **Note 12, Note 13**

Note 12: Speed Calling-One Touch data can be saved by the BOSD command.

Note 13: Speed Calling-One Touch data must be assigned to the Key Numbers (KYN) in the consecutive order.

15. Speed Calling-One Touch feature cannot be programmed on the fixed function keys (Flex keys).
16. For Call Forwarding-Busy Line and Call Forwarding-Don't Answer, refer to ASYD, SYS1, Index 5 (separate/common access for CF-Busy Line and CF-Don't Answer). If common access codes are assigned, only one key is required to activate the features. If separate access codes are assigned, separate Feature keys must be assigned.
17. FKY=55: One-Touch changeover (PAGE) should be assigned when registering destination numbers greater than 16 as one-touch speed calling codes. **Note 14**

Note 14: Each one-touch button is assigned a two-page memory (Page 0 and Page 1). One destination number can be assigned on a page basis. When originating an outgoing call, the page of one-touch button can be designated by this Feature key.

18. In conjunction with intercom service, take the following precautions:

- (a) Before assigning the Intercom key data using this command, assign the Intercom Group data using the command AICD/ADIM.
 - (b) When providing the Intercom service, assign “The response priority when the SPEAKER button is pressed or the station goes off-hook” in the parameter PRI. When not providing the Intercom service, assign PRI=0.
19. When using this command to assign Digital terminal’s key data, ELC card must be reinitialized (MB switch UP-DOWN).
 20. When key data is assigned for a Digital terminal by this command, the corresponding ELC card must be reinitialized (by flipping the MB key OFF → ON). When key data is assigned for an IP Multi Line terminal/SIP Multiple Line terminal, the terminal is automatically reset. **Note 15**

Note 15: When key data is assigned while the telephone is being used (making a call, on call, receiving a call with My Line, etc.), the telephone is reset after it becomes idle. When the telephone is in headset mode (headset key lamp is ON), the telephone is not automatically reset. Reset the telephone with manual operation or by the DISD command, after this data assignment.

21. A maximum of eight soft keys can be assigned via Soft Key Assignment Feature key (FKY=122). **Note 16**

Note 16: Six soft keys available at the maximum when page scroll key soft key is displayed on the LCD.

22. Soft key data to be assigned via Soft Key Assignment Feature key (FKY=122) is not available for each different condition on the Desktop terminal.
23. The same function data cannot be assigned to both Feature key and soft key.
24. Expanded Multiple Line Operation-D [E-26] service is available only when KD=0 (Line) is entered. This service is not available when KD=1 (Intercom) or KD=2 (DSS key) is assigned.
25. FKY 34 to 47 programmed in this command must be set to all nodes to be provided ACD service for FCCS Network.
26. The conditions of the Cordless Terminal DT330 (12BT)) are as follows.
 - The Line keys (KYN1-8) are the same settings between the Bluetooth Cradle and the Bluetooth Handset. When the Line key of the Bluetooth Cradle is changed to other function, the Line key of Bluetooth Handset is changed to the same function. Different functions cannot be assigned between the Bluetooth Cradle and the Bluetooth Handset.
 - When the Flex key of the Bluetooth Cradle is changed to other function, the Flex key of Bluetooth Handset is changed to the same function. Different functions cannot be assigned between the Bluetooth Cradle and the Bluetooth Handset.

Note: However, the Transfer key on the Bluetooth Handset cannot be assigned to other function, because being used as the key for clearing the display of message such as “Base Unit in Use” in an idle state (equivalent to the Exit key of the Bluetooth Cradle). And the CALL key and the DISC key cannot be assigned for other feature.

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number

Enter the Telephone Number of My Line.

Note: The existing data can be read out by pressing the GET button after UGN and TELN data is entered.

PRI: Priority of Answering Call [0–4]

PRI	LINE PREFERENCE		
	1	2	3
0	L	–	–
1	D	L	–
2	A	L	–
3	M	L	–
4	A	M	L

L: Preference pattern when the SPEAKER button is pressed
 D: Dial Intercom Line (Ringing Station)
 A: Automatic Intercom Line (Ringing Station)
 M: Manual Intercom Line (Signaling Station)

PL UGN: Prime Line User Group Number

PL TELN: Prime Line Telephone Number

S: Restrict OG from Prime Line [0/1]

OFF-HOOK suppression.

Note: This data is only available when ACD/OAI (System Data 1, Index: 79, Bit 6 = 0) service is provided.

0=Not restricted

1=Restricted

MWD: Message Waiting Data Display Selection [0/1]

0=MW data display on the top line

1=MW data display on the bottom line

LN PRE: Line Preference [0/1] Note 1

0=Standard **Note 2**

1=Customize (Line Preference data is set by ANSWER button and ORIGINATING button)

Note 1: After changing data for LN PRE parameter, ELC card initialization is required.

Note 2: Standard data uses the following Line Preference.

BUTTON	LINE PREFERENCE
SPEAKER Button	Prime Line Preference
ANSWER Button	Incoming Line Preference (Button Location Ascending Order)
ORIGINATING Button	Idle Line Preference (Button Location Ascending Order)

SPK: Line Preference for Speaker Button [0–3]

This data is only available in the case of LN PRE=1. Prime Line Preference is 0 (fixed).

0=Prime Line Preference

ANS: Line Preference For Answer Button or Handset/Headset (Note 3) [0-2]

This data is only available when LN PRE=1.

0/1=Incoming Line Preference (Button Location Ascending Order)

2=Ring Line Preference (CO Incoming Call takes precedence)

Note 3: When using the handset/headset, Line Preference is performed by this data only when [R-57D] Ringing Line Pickup -D has been activated.

ORG: Line Preference for Originating Button or Handset/Headset (Note 4) [0-2]

This data is only available when LN PRE=1.

0/1=Idle Line Preference (Button Location Ascending Order)

2=Prime Line Preference, Idle Line Preference (Button Location Descending Order) **Note 5**

Note 4: When using the handset/headset, Line Preference is performed by this data only when Automatic Line Selection has been activated.
Automatic Line Selection allows Desktop terminal to automatically select an available line programmed on the terminal when its handset is lifted or the ORG button is pressed. To set/cancel Automatic Line Selection from Desktop terminal, press FEATURE key first and then Originate (ORG) key. Originate (ORG) key lights red/is extinguished.

Note 5: If the Prime Line is busy, Idle Line Preference (Button Location Descending Order) is selected.

TP: Type of Desktop Terminal [0–5]

The data assigned to the parameter TP may differ depending on the parameter KYI, or KYI2.
See the following table.

DATA	MEANING	
	DT800 Series/DT400 Series/ DT700 Series/DT300 Series	Dterm Series <i>i</i>
0	2/6/8/12–button type (Flex keys remain the same)	4/8/16–button type
1	24–button type or 24–button type with Add on Module (Flex keys remain the same)	32–button type with Add on Module
2 Note 6	2/6/8/12–button type (Changes occur to Flex keys)	4/8/16–button type + Flex keys
3 Note 7	24–button type or 24–button type with Add on Module (Changes occur to Flex keys)	32–button type with Add on Module + Flex keys
4	Not used	
5		

Note 6: When no data is assigned to KYN2, the system recognizes as TP=0.

Note 7: (1) When no data is assigned to KYN=17 or later/KYN2, the system recognizes as TP=0.
(2) When data is assigned to KYN=17 or later and no data is assigned to KYN2, the system recognizes as TP=1.

◆ For the Line/Feature keys

KYN: Key Number [1-40]

KYI: Service Index [0-2]

Enter the type of keys.

0=Key is not used

1=Function Key

2=Multi-Line

FKY: Function Key Number [1-320]

See the List of Function Key Number (FKY).

KD: Kind of Line [0-2, 4]

0=Line

1=Intercom

2=DSS Key

4=Multiple Line Appearance **Note 8**

Note 8: For a single Desktop terminal, a maximum of 4 lines can be assigned for Multiple Line Appearance.

ML UGN: Multi-Line User Group Number

Enter the User Group Number of Multi Line.

ML TELN: Multi-Line Telephone Number

Enter the Telephone Number of Multi Line.

ML TN: Multi Line Tenant Number

Enter the Multi Line Tenant Number.

ML STN: Multi Line station number

Enter the Multi Line station number.

LENS: Multiple Line Appearance Equipment Numbers

Enter the LENS of the Multiple Line Appearance.

RG: Ring information for each line [0-7]

See the List of Ring Information for RG data 0-7.

ICM: Kind of Intercom [0-2]

0=Automatic

1=Manual

2=Dial

G-ID: Group ID Number [1-50]

Enter unique number for each Intercom group within the range of 1 to 50.

◆ For the Flex keys

KYN2: Key Number 2

Available when parameter TP=2/3. If no data is allocated on Flex key, default key data is applied.

Note: Added Flex keys (Directory and Message) for Dterm Series i are available on the following condition;
Circuit card: PA-16ELCJ-B
Firmware: SP-3656 16ELCJB PROG-E (Issue 1 or later)

KYI2: Service Index for Flex Keys [0/1]

Enter the type of keys.

0=Key is not used

1=FLEX Key

FKY: Function Key Number for Flex Keys [1-320]

See the table on the next page.

List of Function Key Number (FKY)

FKY	Service Name	Related SFI	Remarks
1	Call Forwarding–Busy Line	SFI 9	SFI 9 (Call Forwarding–Busy Line)
2	Call Forwarding–All Calls	SFI 7	SFI 7 (Call Forwarding–All Calls)
3	Executive Right–of–Way	SFIs 3, 4, 11	SFI 3 (Executive Right–of–Way [Calling]) SFI 4 (Executive Right–of–Way [Called]) SFI 11 (Data Line Security)
4	Call Waiting	SFIs 5, 6, 11	SFI 5 (Call Waiting–Originating [Calling]) SFI 6 (Call Waiting–Originating [Called]) SFI 11 (Data Line Security)
5	Call Back	SFI 2	SFI 2 (Call Back)
6	*Message Reminder		
7	*Save and Repeat		
8	Last Number Called	SFI 44	SFI 44 (Last Number Call Redial)
9	Boss–Secretary–Message Waiting Lamp Control; Set	SFIs 74, 82	SFI 74 (Message Waiting Lamp Setting from the ATT or Station [Called]) SFI 82 (Message Waiting Lamp Setting from the Station [Calling])
10	Call Hold	SFI 10	SFI 10 (Call Hold)
11	Boss–Secretary–Message Waiting Lamp Control; Cancel	SFIs 74, 82	SFI 74 (Message Waiting Lamp Setting from the ATT or Station [Called]) SFI 82 (Message Waiting Lamp Setting from the Station [Calling])
12	Call Pickup–Group		
13	Three–Way Calling		
14	Voice Call		
15	Speed Calling–System	SFI 12	SFI 12 (Speed Calling–System)
16	Function		
17	*CAS SHF		
18	*Call Transfer–All Calls		
19	*UCD Busy Out		
20	*Non–Exclusive Hold/Exclusive Hold (Hold)		
21	*Flash Button		
22	*Call Forwarding–Don’t Answer	SFI 8	SFI 8 (Call Forwarding Don’t Answer)
23	–		
24	–		
25	ISDN Malicious Call Trace	SFI 120	SFI 120 (ISDN Malicious Call Trace) Note: Australia and U.A.E. only
26	Speed Calling–Station	SFI 19	SFI 19 (Individual Speed Calling)
27	Originate (ORG)		

FKY	Service Name	Related SFI	Remarks
28	Answer (ANS)		
29	Data (DATA)		
30	Display/Auto (DSPY/AUTO)		
31	Data Transfer (DTX)		
32	–		
33	Message Waiting Lamp (MW)		
34	OAI Key Code 1 (Break)		
35	OAI Key Code 2 (Auto/Man)		Note: Automatic/Manual answer key, toggles between Automatic Answer Mode and Manual Answer Mode.
36	OAI Key Code 3		
37	OAI Key Code 4 (Work)		
38	OAI Key Code 5 (Night)		
39	OAI Key Code 6 (Trunk Trouble)		
40	OAI Key Code 7 (Tally)		
41	OAI Key Code 8		
42	OAI Key Code 9		
43	OAI Key Code 10		
44	OAI Key Code 11		
45	OAI Key Code 12		
46	OAI Key Code 13		
47	UCD Call Waiting Lamp (Business)/END (Hotel)/OAI Key Code 14		
48	Privacy Release		
49	*Speed Calling–One Touch		
50	Do Not Disturb	SFI 114	SFI 114 (Display on Desktop terminal when DND is set: 0/1=RST/DND)
51	*Microphone		
52	Speaker		
53	–		
54	–		
55	*PAGE		
56	-		
57	*Recall		
58	–		
59	Release Key		
60	*Manual Signaling Key		

FKY	Service Name	Related SFI	Remarks
61	–		
:			
65	–		
66	Record		
67	Address		
68	–		
69	Stop Recording		
70	Continue Recording		
71	Erase		
72	–		
73	Listen		
74	–		
75	Call Park Group–D Key 1		
76	Call Park Group–D Key 2		
77	Call Park Group–D Key 3		
78	Call Park Group–D Key 4		
79	Call Park Group–D Key 5		
80	Call Park Group–D Key 6		
81	Call Park Group–D Key 7		
82	Call Park Group–D Key 8		
83	Retain Conference		
84	*Serial Call		
85	Internal Zone Paging	SFI 134	SFI 134 (Internal Zone Page Calling)
86	–		
87	Wake Up Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for WU status lamp.
88	Wake Up Reset		
89	DND (Do Not Disturb) Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for DND status lamp.
90	DND (Do Not Disturb) Reset		
91	Room Cut Off Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for RC status lamp.
92	Room Cut Off Reset		
93	Message Waiting Set		Note: For a guest station (Desktop terminal) in a Hotel system, this FKY is used for MW status lamp.

FKY	Service Name	Related SFI	Remarks
94	Message Waiting Reset		
95	Check In		
96	Check Out		
97	Status		
98	Audit		
99	Enter		
100	Clear Enter		
101	End		
102	–		
:			
112	–		
113	Call ID Change Display		
114	–		
115	Call Pickup Expand		
116	Call Hold Conference		
117	*Ringer Mute		
118	Call Return		
119	–		
120	Next Page of Software Keys (Scroll Key)		
121	Previous Page of Software Keys (Back Scroll Key)		
122	Soft Key Assignment		
123	Off Hook Ringing (OFR)		
124	Mute (MUTE)		
125	Headset/Handset		
126	Transfer to Sub Station		
127	Boss Move		
128	Call Block		
129	Call Trace	SFI 170	SFI 170 (Call Trace)
130	Calling Party CLIR/CLIP Control		
131	Disconnect Key		
132	Call Redirect (North America only)		
133	Remote Call Hold (North America only)		
134	–		
135	–		
136	Selectable Station Call Pickup	SFI 183	SFI 183 (Selectable Station Call Pickup)

FKY	Service Name	Related SFI	Remarks
137	Selectable Station Call Pickup Group	SFI 183	SFI 183 (Selectable Station Call Pickup)
138	–		
139	–		
140	–		
141	–		
142	Logout (for DtermIP)		Note: Not supported for Digital terminal.
143	Voice Coding Mode Change		
144	Voice Coding Select		
145	–		
146	Expanded Speed Calling–Station/Group		
147	Message		
148	Call Forwarding–Logout	SFI 198	SFI 198 (Call Forwarding–Logout) Note: Not supported for Digital terminal.
149	Message Audible Alert (North America only)		
150	–		
151	MA–ID Setting	SFI 213	SFI 213 (MA–ID Setting)
152	–		
153	Day/Night Mode		
154	Multi–Internal Zone Paging (North America only)		
155	–		
156	Visitor Key		
157	Change of Handset		
158	Call Park Deluxe–Hold/Retrieve–1	SFI 220 SFI 68	SFI 220 (Call Park Deluxe Entry/Retrieve) SFI 68 (Call Park–Called)
159	Call Park Deluxe–Hold/Retrieve–2		
160	Call Park Deluxe–Hold/Retrieve–3		
161	Call Park Deluxe–Hold/Retrieve–4		
162	Call Park Deluxe–Hold/Retrieve–5		
163	Privacy Key		
164	–		
165	SPD Name Assign		
166	–		
167	Mobility Access	SFI 234	SFI 234 (Mobility Access)
:	–		
177	Language Change Key (LANG)		

FKY	Service Name	Related SFI	Remarks
178	Call History	SFI 238	SFI 238 (Call History)
179	Conference Display	SFI 32 SFI 131 SFI 138 SFI 140 SFI 221	SFI 32 (Line Circuit Reverse Relay Control (for 16LC)) SFI 131 (Add on Conference - 8 Party) SFI 138 (Consultation Hold Enhancement) SFI 140 (Send Warning Tone to interrupted parties when Three-Way-Calling is established using Consultation Hold Enhancement) SFI 221 (Stop the hold music during 8/16/32-Party Conference call) Note: Available since FP95-115 V5.
180	Phone book	SFI 245 SFI 246	SFI 245 (Local Phone book) SFI 246 (System Phone book)
181	Link Down Notice		
182	–		
183	Call Park Group -D Hold Key		
184	Power Saving		
185	Call Pickup Key Group-1		
186	Call Pickup Key Group-2		
187	Call Pickup Key Group-3		
188	Call Pickup Key Group-4		
189	Call Pickup Key Group-5		
190	Display Reversing		RVERS
191	–		
192	–		
193	Line Information Change Display		
194	Call Recording		Note: Be sure to assign this key data within KYN=1-24 to Line/Feature keys. For DSS keys, assign this key data within KYN=1-16. However, this key data cannot be assigned to the optional line key units (such as 8LK Unit, 16LK Unit, DSS console, etc.) Note: For FP95-114 V4 or earlier, the Service Name is "Record(USB)."
195	Connect Key (Smart Device)		
196	Path Key (Smart Device)		
197	Security		
198	Large Font		
199	SPD setting		
200	–		

FKY	Service Name	Related SFI	Remarks
201	CF Setting button 1		Available from FP95-114 V4 Issue 2.0.
202	CF Setting button 2		
203	CF Setting button 3		
204	CF Setting button 4		
205-320	—		

*: This service is activated without releasing service restriction by ASFC.

List of Ring Information

RG (0-7)	RINGING		DELAY TIME
	DAY	NIGHT	
0	NO (No Ringing)	No Ringing	
1	YES (Ringing)	No Ringing	0 seconds.
2	NO (No Ringing)	Ringing	0 seconds.
3	Not used	Not used	
4	YES (Ringing)	Ringing	30 seconds.
5	YES (Ringing)	Ringing	20 seconds.
6	YES (Ringing)	Ringing	10 seconds.
7	YES (Ringing)	Ringing	0 seconds.

4. Data Sheet

(a) When KD=0/1 (for key assignment of Line key/Intercom key)

MY LINE									
USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)							
PRIORITY OF ANSWERING CALL (PRI) 0-4	PRIME LINE								
	USER GROUP NUMBER (PL UGN)		TELEPHONE NUMBER (PL TELN)						
ALLOW OG FROM PRIME LINE (S) 0/1	MESSAGE WAITING DATA DISPLAY SELECTION (MWD) 0/1	LINE PREFERENCE (LN PRE) 0/1		LINE PREFERENCE FOR SPEAKER BUTTON (SPK) 0-3	LINE PREFERENCE FOR ANSWER BUTTON (ANS) 0-2	LINE PREFERENCE FOR OUT GOING BUTTON (ORG) 0/1	TYPE OF Desktop terminal (TP) 0-5		
KEY NUMBER (KYN)	SERVICE CONDITION (KYI) 0-2	FEATURE KEY CODE (FKY) 1-320	KIND OF LINE (KD) 0-2	MULTI LINE			INTERCOM		
				USER GROUP NUMBER (ML UGN)	TELEPHONE NUMBER (ML TELN)	RING INFORMATION FOR EACH LINE (RG) 0-7	KIND OF INTERCOM (ICM) 0-2	GROUP ID NUMBER (G-ID) 1-50	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

KEY NUMBER (KYN)	SERVICE CONDITION (KYI) 0 – 2	FEATURE KEY CODE (FKY) 1–320	KIND OF LINE (KD) 0–2	MULTI LINE			INTERCOM	
				USER GROUP NUMBER (ML UGN)	TELEPHONE NUMBER (ML TELN)	RING INFORMATION FOR EACH LINE (RG) 0–7	KIND OF INTERCOM (ICM) 0–2	GROUP ID NUMBER (G-ID) 1–50
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
F1								
F2								
F3								
F4								
F5								
F6								
F7								
F8								
F9								
F10								

Note: When KYI=None, it is not necessary to assign any data.

Note: When KYI=FUNCTION, assign data for FKY only.

Note: When KYI=Multi-Line, assign data for multiple telephone only.

(b) When KD=2 (for key assignment of DSS Console).

KEY NUMBER	USER GROUP NUMBER (UGN)	TELEPHONE NUMBER (TELN)	REMARKS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

ALCAL: Assignment of Local Calling Area for LDM

1. General

This command assigns the Local Calling Area.

2. Precautions

This command is available for North America only.

3. Data Entry Instructions

DN: Day/Night

TN: Tenant Number

Local Area Codes [1-16]

4. Data Sheet

[illegible]

ALDN: Assignment of Listed Directory Number

1. General

This command assigns the Listed Directory Number (LDN) that allows a Direct Inward Dialing (DID) call to terminate to the Attendant consoles.

2. Precautions

1. When the LDN number assigned by this command is dialed from PSTN, the call terminates to the Attendant Consoles during the Day mode, and redirects to a station or outside party in the Night mode.
2. The numbering of the LDN assigned by this command must conform to the numbering plan data.

The ANPD command and the ASPA command (SRV="STN: station number")

3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data of this command is common for all tenants (ASYD command, SYS1, Index 92, b3=1), assign TN parameter as data "1" for all tenants.

The number of station number (STN) digits is designated by the ASYD command, SYS1, Index 16.

3. Data Entry Instructions

TN: Tenant Number

LDN: Listed Directory Number [Maximum five digits]

Enter the desired DID number to terminate the call to Attendant Console in the Day mode.

TYPE: Night Transfer Type [0-3]

The Night mode destination of the LDN.

0=No night transfer

1=STN

2=DC (Destination Number including access code.)

3=ADC

◆ When TYPE=1 (STN) is selected:

STN: Station number

Enter station number. (Specific ATTCON number assigned by the ASAT command cannot be set.)

◆ When TYPE=2 (DC) is selected:

DC: Destination Number [Maximum eight digits]

Enter the outside party number.

◆ When TYPE=3 (ADC) is selected:

ADC: Abbreviated Digit Code [Four digits]

Enter the Abbreviated Digit Code assigned by the ASPD command.

4. Data Sheet

TENANT NUMBER (TN)	LISTED DIRECTORY NUMBER (LDN) MAXIMUM 5 DIGITS	NIGHT TRANS- FER TYPE (TYPE) 0-3	STATION NUMBER (STN)	DESTINATION NUMBER (DC) MAXIMUM 8 DIGITS	ABBREVIATED DIGIT CODE (ADC) 4 DIGITS

ALDNN: Assignment of Listed Directory Number for NDM

1. General

This command is used to assign the Listed Directory Number (LDN) that allows a Direct Inward Dialing (DID) call to terminate to the Attendant Consoles within the FCCS Network. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. When the LDN number assigned by this command is dialed from PSTN, the call terminates to the Attendant Consoles during the Day mode, and redirects to a station or outside party in the Night mode. Any ATTCN or station within the FCCS Network can be designated as the destination call terminated.
2. The numbering of the LDN assigned by this command must conform to the numbering plan data. (The ANPDN command and the ASPAN command (SRV="TELN: Telephone Number"))

3. Data Entry Instructions

L-UGN: User Group Number of LDN**L-TELN: Telephone Number of Listed Directory Number [Maximum 16 digits]**

Enter desired DID number to terminate the call to Attendant Console in Day mode.

FPC: Fusion Point Code [1-253]

Enter the FPC of the Node accommodating the Attendant Console to which DID call terminated.

TN: Tenant Number**TYPE: Night Transfer Type [0-3]**

0=No Night Transfer

1=TELN

2=To Outside

3=ADC

◆ TYPE=1 (TELN) is selected:

UGN: User Group Number**TELN: Telephone Number [Maximum 16 digits]**

Enter the Telephone Number of the destination station to which the call transferred during Night mode.
(Specific ATTCN Number assigned by the ASATN command cannot be set.)

◆ TYPE=2 (To Outside) is selected:

DC: Telephone Number [Maximum eight digits]

Enter the outside party number to which the DID call to be transferred during Night mode.

◆ TYPE=3 (ADC) is selected:

ADC: Abbreviated Digit Code [Four digits]

Enter the Abbreviated Digit Code assigned by the ASPD command.

4. Data Sheet

(a) TYPE=0 (No Night Transfer) is selected;

[illegible]

(b) TYPE=1 (TELN) is selected;

[illegible]

(c) TYPE=2 (To Outside) is selected;

[illegible]

(d) TYPE=3 (ADC) is selected;

[illegible]

ALGCL: Assignment of Login Code Data for LDM

1. General

This command allows you to register an arbitrary number as Login Code, so that IP terminals can log in to the Telephony Server with registered Login Code instead of station number.

2. Precautions

1. This command is available for terminals that have Login Mode in service.
2. One Login Code can only be assigned to one station number.
3. If the Telephone Number, which Login Code is already registered for, is deleted by ALGSL, the registered data of Login Code is also deleted.

3. Data Entry Instructions

UGN: User Group Number [1 - 255]

TELN: Telephone Number [0 - 9, # and * (maximum 16 digits)]

LOGIN CODE: Arbitrary Login Code [0 - 9, # and * (maximum 16 digits)]

4. Data Sheet

[illegible]

ALGCN: Assignment of Login Code Data for NDM

1. General

This command allows you to register an arbitrary number as Login Code, so that IP terminals can log in to the Telephony Server with registered Login Code instead of station number.

2. Precautions

1. This command is available for terminals that have Login Mode in service.
2. One Login Code can only be assigned to one station number.
3. If the Telephone Number, which the Login Code is already registered for, is deleted by ALGSN, the registered data of Login Code is also deleted.

3. Data Entry Instructions

UGN: User Group Number [1 - 255]

TELN: Telephone Number [0 - 9, # and * (maximum 16 digits)]

LOGIN CODE: Arbitrary Login Code [0 - 9, # and * (maximum 16 digits)]

4. Data Sheet

[illegible]

ALGNL: Assignment of Telephone Number Data for LDM

1. General

This command assigns the individual attendant identification number (Telephone Number) available in the self-node (local) only.

2. Precautions

1. The individual attendant identification number is available in the self-node (local) only. If the individual attendant identification number for the FCCS Network is required, use the ALGNN command.
2. The system data assignment (ASYDL, SYS1, Index 513, Data 01 HEX) is needed to provide the Local Data Memory (LDM).
3. Before assigning this command, the ANPDL/ASPAL commands are required for the numbering plan of Telephone Number.
4. A unique Telephone Number (TELN) should be given within a User Group Number (UGN).
5. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b0=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Assign Telephone Number (Unique TELN should be given within a UGN).

4. Data Sheet

[illegible]

ALGNN: Assignment of Telephone Number Data for NDM

1. General

This command assigns the individual attendant identification number for the FCCS service. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8. If the numbering plan is common for all tenants (ASYDN, SYS1, Index 800, b0=1), assign TN parameter as “1” for all tenants.
2. The system data assignment (ASYDN, SYS1, Index 514, b1=1) is needed to provide the Network Data Memory (NDM).
3. Before assigning this command, ANPDN/ASPDN commands are required for the numbering plan of the Telephone Number (TELN).
4. A unique Telephone Number (TELN) should be given within a User Group Number (UGN).
5. For detailed information, see the Data Programming Manual - FCCS.
6. If data in this command is common for all tenants (ASYDN command, SYS1, Index 800, b0=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Assign Telephone Number (Unique TELN should be given within a UGN).

4. Data Sheet

[illegible]

ALGSL: Assignment of Telephone Station Data for LDM

1. General

This command assigns the data pertaining to the relationship between Telephone Number (TELN) and the physical station.

2. Precautions

1. The Telephone Number can be used in the self-node (local) only. Use the ALGSN command if the Telephone Number for the FCCS Network is required.
2. The TYPE parameter designates the programming method of the physical station. (The result is the same whichever method is selected.) When TYPE=1 (Line Equipment Numbers/Phantom Index) is selected, the physical station that accommodates the Telephone Station Number (TELN) is specified by the LENS/PHIN. When TYPE=2 (station number) is selected, the physical station number (STN) is used.
3. The system data assignment (ASYDL, SYS1, Index 513, Data 01 HEX) is needed to provide the Local Data Memory (LDM).
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b0=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

◆ TYPE=1 (Line Equipment Numbers/Phantom Index) is used to specify the Telephone number:

TYPE: Type of Get/Set [1/2]

1=Line Equipment Numbers/Phantom Index

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Telephone number assigned by the ALGNL command.

**LENS/PHIN: Line Equipment Numbers/Phantom Index
[6 digits (MG:00-31, Unit:0-3, Group:00-31, Level:0-7)]**

LENS/PHIN of the physical station. "000000" cannot be entered.

◆ TYPE=2 (station number) is used to specify the Telephone number:

TYPE: Type of Get/Set [1/2]

2=Station number

UGN: User Group Number [1-255]

TELN: Telephone station number [Maximum 16 digits]

Telephone number assigned by the ALGNL command.

TN: Tenant Number

Tenant number of the physical station.

STN: Station number

Station number of the physical station.

4. Data Sheet

(a) TYPE=1 (Line Equipment Numbers/Phantom Index) is used to specify the Telephone number

[illegible]

(b) TYPE=2 (station number) is used to specify the Telephone number

[illegible]

ALGSN: Assignment of Telephone Station Data for NDM

1. General

This command assigns the related data of the Telephone Number (TELN) corresponding to the physical station. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The ALGSN command is used to assign the Telephone Number (TELN) for a Network Control Node (NCN).
2. The TYPE parameter allows the user to choose the programming method of the physical station.
TYPE=1 (Line Equipment Numbers/Phantom Index):Telephone number given to the LENS/PHIN
TYPE=2 (station number):Telephone number given to the station
3. The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8. If the data in this command is common for all tenants (ASYDN, SYS1, Index 800, b0=1), assign TN parameter as data “1” for all tenants.
4. When the parameter TYPE is “1=Line Equipment Numbers/Phantom Index”, the assignment of the Fusion Point Code (FPC) entered by the AFMU command is required.
5. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

- ◆ When assigning TYPE=1 (Line Equipment Numbers/Phantom Index is used to specify the Telephone number)

TYPE: Type of Get/Set [1/2]

1=Line Equipment Numbers/Phantom Index

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Telephone number assigned by the ALGNN command.

FPC: Fusion Point Code [1-253]

Fusion Point Code (FPC) of the designated LENS. FPC is assigned by the AFMU command.

**LENS/PHIN: Line Equipment Numbers/Phantom Index
[6 digits (MG:00-31, Unit:0-3, Group:00-31, Level:0-7)]**

LENS/PHIN of the physical station. "000000" cannot be entered.

- ◆ When assigning TYPE=2 (station number) is used to specify the Telephone number)

TYPE: Type of Get/Set [1/2]

2=Station number

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Telephone number assigned by the ALGNN command.

TN: Tenant Number [1-255]

Tenant number of the physical station.

STN: Station number [Maximum 6 digits (0-9,*,#)]

Station number of the physical station.

4. Data Sheet

(a) TYPE=1 (Line Equipment Numbers/Phantom Index) is used to specify the Telephone number

[illegible]

(b) TYPE=2 (station number) is used to specify the Telephone number

[illegible]

ALIDL: Assignment of LAN Information Data for LDM

1. General

This command is used to assign/delete the mounting location of the IPPAD, Internal PH, SIP Handler, MPH and IP-DTG. IP related data such as IP address, default gateway, and subnet mask is also assigned by this command for establishing the connection to IP Network.

2. Precautions

1. When any office data is assigned/modified by this command, initialize the IPPAD card (by flipping its MB key OFF P ON P OFF). Refer to Circuit Card Description for more detailed information on each card. For Internal PH, the initialization is not required.
2. When the SET button is clicked to assign/modify the basic PH data, the dialog “Execute initialization?” is indicated before initialization is executed automatically.
3. It is possible to reassign the registered data by pressing the EDIT button after reading out VLAN or Def GW data.
4. One Group is always used for the SP-PHD/SP-PHI accommodated location (LENS) regardless of the value assigned to REGMAX parameter of ALIDL. When assigning the SP-PHD/SP-PHI LENS data, the Internal PHE LENS data (One Group) and MPH LENS data (One Group) are also required.
5. When using Internal PH (such as Internal PHE), it is required to assign the data only to the LENS, TYPE and REGMAX parameters on this command. For other data settings, use ADTM.
6. When the parameter PH TYPE=MPH is selected, MPH ID=1 (fixed) is assigned in single CPU configuration, MPH ID=1 and 2 (fixed) are assigned in dual CPU configuration. Startup MPH with MPH ID=1 for CPU #0, MPH ID=2 for CPU #1.
7. One Group is always used for the SIP Handler accommodated location (LENS).
8. The data related to FAX should be assigned using the ARTI command with “FXPT” parameter.

3. Data Entry Instructions

PH LENS: Line Equipment Numbers of PH [Five digits (MG, UNIT, GROUP)]

Even numbers are available for Group data. Groups 24-31 cannot accommodate IPPAD/SIP Handler/MPH/IP-DTG. “00000” is not allowed.

PH TYPE: PH Type

Select the kind of PH from the combo box.

- PHA (Not used)
- PHD (Not used)
- PHE (Not used)
- IPPAD
- Internal PHI **Note 1**
- Internal SIP Handler
- Internal PHE
- MPH
- IP-DTG

Note 1: “Internal PHI” refers to Internal PHI-BRI.

MPH ID: Identification Number of MPH [1-4095]

Assign any number in the range 1-4095. This parameter is available only when selecting PH TYPE = MPH.

- Single CPU: MPH ID = 1 (Fixed)

- Dual CPU: MPH ID = 1 and 2 (Fixed)

Note: Assign MPH ID=1 for CPU #0 and MPH ID=2 for CPU #1.

Note: MPH (Multi Protocol Handler) is the collective name for PH functions implemented in the SP (Signaling Processor).

Note: In the UMGi system, set MPH-ID for each LENS of MPH by referring to the table below.

PBI No. (LP No.)	CPU Side	MPH-ID
0x30 (0)	#0	1
	#1	2
0x38 (4) Note 2	#0	3
	#1	4
0x40 (8)	#0	5
	#1	6

PBI No. (LP No.)	CPU Side	MPH-ID
0x48(12)	#0	7
	#1	8
0x50(16)	#0	9
	#1	10
0x58(20)	#0	11
	#1	12
0x60(24)	#0	13
	#1	14
0x68(28)	#0	15
	#1	16

Note 2: PBI(LP) 0x38(4) is not used.

DTG ID: Identification Number of IP-DTG [1-16]

-Single CPU System:Assign DTG ID = 1 (fixed)

-Dual CPU System:Assign DTG ID = 1 and 2 (fixed)

Note: In the UMGi system, set IP-DTG by referring to the table below.

PBI No. (LP No.)	CPU Side	IP-DTG
0x30 (0)	#0	1
	#1	2
0x38 (4) Note 3	#0	3
	#1	4
0x40 (8)	#0	5
	#1	6
0x48(12)	#0	7
	#1	8
0x50(16)	#0	9
	#1	10
0x58(20)	#0	11
	#1	12
0x60(24)	#0	13
	#1	14

PBI No. (LP No.)	CPU Side	IP-DTG
0x68(28)	#0	15
	#1	16

Note 3: PBI(LP) 0x38(4) is not used.

<PH Basic Settings>

On the PH Basic Settings field, set basic LAN data such as IP address, mask bit, and port number of IPPAD card.

PH IP: IP Address of PH

Enter the IP address of designated circuit card. (It is not allowed to enter “0.0.0.0” to IP address. An error message is displayed when assigning unavailable value.)

MASK BIT: Mask Bit

PORT: Port Number for Call Control [1024-65534]

Enter the port number for controlling signal (default value = 61010).

Note: Port Numbers for Internal PHI/PHE control signals must be assigned via ADTM.

REGMAX: Capacity of Registration [1-6144]

When PH TYPE=Internal PHE/Internal PHI, REGMAX is 1-6144. (default value = 6144)

When PH TYPE=Internal PHE/Internal SIP Handler, REGMAX is 1-4095 (default value = 4095). **Note 4**

Note 4: To reduce the REGMAX value, the existing SIP Handler data needs to be deleted. The REGMAX value can be increased without deleting the existing SIP Handler data.

Exclusive PH: Setting of the PH Card Used Only for Control Station (Not used)

MAX CONN: Maximum Connect Number

Maximum Number of Concurrent Connection [1-4095 (default: 256)]

<MPH List>

PH Kind

Select either, PHD (SP-PHD) or PHI (SP-PHI).

Use this PH

Select this check box to assign the following parameters.

MPH LENS: Line Equipment Numbers of MPH [Five digits (MG, UNIT, GROUP)]

Specify the SP-side PH accommodated location (two-digit Module Group Number + one-digit Unit Number + two-digit Group Number). The same LENS as the one assigned for PH LENS cannot be entered in duplicate.

REGMAX: Capacity of Registration [1-4095]

Number of ports registered by the SP-side PH. A value for PHD is specified from 1 to 4095. A value for PHI is specified from 1 to 2000.

Note: If the value assigned to REGMAX parameter is decreased, SP is automatically reset. On the other hand, if the value is increased, SP is not reset.

MGC PORT: PORT Number of Control for MGC

SP control port for TP [1-65535].

When PH Kind “PHD” is selected: default=64102

When PH Kind “PHI” is selected: default=64105

TERM PORT: PORT Number of Control for IP Term

SP control port for IP device [1-65535].

When PH Kind “PHD” is selected: default=60090

When PH Kind “PHI” is selected: default=64010

Note: The same port number cannot be assigned to both MGC PORT and TERM PORT.

<IPPAD Specific Data Settings>**IPPAD Specific Data Settings**

In order to assign voice data, select the IPPAD Detail Data Setting check box and then set the following parameters. These parameters are displayed when IPPAD is selected in TYPE.

The following FAX mode data should be assigned with the ARTI/ARTIN command.

NTP IP: NTP Server IP Address (Not used)**FAX DET: Time That Can Detect a FAX Signal**

Select the timer for detecting FAX signal in the combo box.

- Conform to Switch Setting
- Voice/FAX Automatic Detection
- Fixed to Voice Mode
- FAX Detectable Time 1 minute
- FAX Detectable Time 2 minute
- FAX Detectable Time 3 minute

- FAX Detectable Time 4 minute
- FAX Detectable Time 5 minute

FAX ECM: Operation of FAX ECM (Not used)

Select the operation mode of FAX ECM in the combo box.

- Conform to Switch Setting
- ECM ON
- ECM OFF

FAX TYP: FAX Mode Control Precedence (Not used) Note 5

Select the FAX mode in the combo box.

- T.30
- T.38 (UDP)
- T.38 (TCP)

Note 5: The data related to FAX should be assigned using the ARTI command with “FXPT” parameter.

FAX RATE: FAX Transmission Rate

Select the maximum speed for FAX transmission in the combo box.

- 14400 bps
- 2400 bps
- 4800 bps
- 7200 bps
- 9600 bps
- 12000 bps

RTCP PTN: RTCP Pattern (Not used)

Select the transmitting interval of a RTCP (SR) packet in the combo box.

- Fixed
- Random

RTCP CYC: RTCP Cycle

Set the transmitting cycle of a RTCP (SR) packet.

0=5 seconds (Fixed)
1-5=Not used
6-120=6-120 seconds

When selecting TYPE = MPH, assign the following parameters on the PH Basic Setting field:

<VLAN Settings>

If VLAN data setting is required, set the following parameters on the VLAN Settings field. Up to 32 VLANs can be allocated per PH card.

Setting VLAN

Select the Setting VLAN check box if VLAN data setting is required. Data cannot be changed when this check box is cleared.

VLAN ID: Identification Number of VLAN [1-4094]**PRIORITY: Priority of Voice Packet [0-7]**

low ← 1, 2, 0, 3, 4, 5, 6, 7 → high

VLAN IP: VLAN IP Address

Be sure to assign IP address in different subnet to which PH IP belongs.

VLAN MASK BIT: VLAN Mask Bit**<Def GW Settings>**

On the Def GW Settings field, set the following parameter.

DEF GW IP: Default Gateway IP Address

Enter the IP address of default gateway (router).

Up to eight addresses can be assigned (the same IP address cannot be entered in duplicate).

A subnet address other than registered in PH Basic Setting cannot be assigned as the Def GW IP (assign the GW in the same segment where the PH address belongs).

Note: Be sure to assign at least one IP address in the subnet where PH IP belongs.

4. Data Sheet

[illegible]

[illegible]

ALOC: Assignment of Location ID Data for LDM

1. General

This command is used to assign/delete the location ID data for establishing ToS and bandwidth control features corresponding to each network address. Also Type of Service (ToS) setting for control signal between MGC/PH and IP terminals can be assigned.

2. Precautions

1. Previously entered data cannot be modified in this command. Delete the registered data first, and then assign the new data again.
2. LOC-ID=0 is predetermined to the location ID of MGC (IPPAD). Be sure to set “0.0.0.0” for the network address of MGC (IPPAD).
3. Be sure to perform the following operations to make the assigned/modified data of service type setting (control packet) effective to PH, IPPAD card or IP equipment in on-line state.
 - Initialize the PH (by ADPM command or by System Initialization).
 - Initialize the IPPAD card (by flipping the MB key OFF → ON → OFF, or by MBPM command).
 - Reregistration of the IP terminal.

3. Data Entry Instructions

TYPE

Select one of the followings to allocate Location ID.

- Network Address
- PC
- FPC
- STN

<LOC-ID Allocation for Network Address>

IP ADDRESS

Enter the IP address.

MASK BIT [1-32]

When IP ADDRESS is 0.0.0.0, MASK BIT 32 is automatically set (the value cannot be changed). Specify the MASK BIT in the range of 1-31 except when IP ADDRESS 0.0.0.0 is determined.

Note: When allocating a Location ID to MG, select “Network Address”. Assign the IP address of MG for Network Address and the Mask Bit corresponding to the network to which MG belongs.

NETWORK ADDRESS

Display only.

LOC-ID: Location ID [0-4095]

Allocate the Location ID to each network address in the range of 0-4095.

When IP ADDRESS is 0.0.0.0, LOC-ID is automatically set to “0” (the value cannot be changed).

Setting Type of Signaling Packet Service

Click the check box to ON when data setting for Type of Service (ToS) field is required. When this check box remains OFF, the default value is applied.

IP PRECEDENCE/DIFFSERV

This parameter is available only when the check box of “Setting Type of Signaling Packet Service” is ON. Select one of the followings according to the connected router.

- IP PRECEDENCE (Default)
- DIFFSERV

Priority (PRECEDENCE /DSCP)

(a) When IP PRECEDENCE is selected;

Specify the priority in the range 0-7 (low-high).

Select a type that you want to take priority and click the check box. You can select from four types. You can select multiple types.

Low Delay

Click the check box to set Low delay to ON.

Through Put

Click the check box to set high Throughput to ON.

Reliability

Click the check box to set High Reliability to ON.

Min Cost

Click the check box to set Cost Precedence to ON.

(b) When DIFFSERV is selected;

Specify the priority in the range 0-63.

IPPAD CONNECTION ROUTE ASSIGNMENT

Place a checkmark in the checkbox when setting the connection route to be used for IPPAD. When not setting the connection route here, the connection routes assigned in AFPC command are used for IPPAD in the order of assignment.

C_RT [1-1023]

Specify the connection route used for IPPAD.

<LOC-ID Allocation for Point Code>

PC: Point Code [1-16367]

Enter the Point Code.

Allocate the LOC-ID to the PC of destination node in CCIS Networking via IP using PHC card. Because LOC-ID cannot be allocated to each destination terminal in other node, the LOC-ID allocated to the destination PC is used for these terminals putting together.

LOC-ID: Location ID [1-4095]

Allocate the Location ID to PC in the range of 1-4095.

Note: Assign different LOC-IDs to all the PCs in self node and destination nodes. LOC-ID=0 cannot be assigned.

IPPAD CONNECTION ROUTE ASSIGNMENT

Place a checkmark in the checkbox when setting the connection route to be used for IPPAD. When not setting the connection route here, the connection routes assigned in AFPC command is used for IPPAD in the order of assignment.

C_RT [1-1023]

Specify the connection route used for IPPAD.

Note: The IPPAD connection route assigned in the C_RT parameter is used for all CCIS over IP calls originated to the appropriate Point Code.

<LOC-ID Allocation for Fusion Point Code>

FPC: Fusion Point Code [1-253]

Enter the Fusion Point Code.

LOC-ID: Location ID [1-4095]

Allocate the Location ID to FPC in the range of 1-4095.

Note: Assign different LOC-IDs to all the FPCs (except Self-Node) in the network. LOC-ID=0 cannot be assigned.

IPPAD CONNECTION ROUTE ASSIGNMENT

Place a checkmark in the checkbox when setting the connection route to be used for IPPAD. When not setting the connection route here, the connection routes assigned in AFPC command are used for IPPAD in the order of assignment.

C_RT [1-1023]

Specify the connection route used for IPPAD.

Note: The IPPAD connection route assigned in the C_RT parameter is used for all FCCS over IP calls originated to the appropriated Fusion Point Code.

<LOC-ID Allocation for Station Number>

TN: Tenant Number [1-63]

Enter the Tenant Number.

STN: Station number

Enter the station number. (Maximum of five digits for Business)

LOC-ID: Location ID [1-4095]

Allocate the Location ID to station number in the range of 1-4095.

Note: LOC-ID=0 cannot be assigned.

Note: LOC-ID toward the station number is used only in Peer to Peer Bandwidth Control (AB-NDL). You cannot use it in AIVCL.

4. Data Sheet

When Network Address and IP PRECEDENCE are selected.

[illegible]

When Network Address and DIFFSERV are selected:

[illegible]

When PC (Point Code) is selected:

[illegible]

When FPC (Fusion Point Code) is selected:

[illegible]

ALIN: Assignment of Location Identification Number

1. General

This command allocates unique Location Identification Number Index (LINindex) to each station. The relation between the LINindex and the LIN is also assigned by this command. The LINindex and the LIN are used for dialing 911 emergency call via the National ISDN-2 (NI-2) network.

2. Precautions

1. Even if the E911 route is set by the ARTI/ARTIN command (CDN76=1 is set), LIN cannot be sent out if LINindex and LIN are not assigned by this command.
2. If originating station has no LINindex assigned, the pilot line number (registered to LINindex = 0) is assumed as the LIN.
3. This command is available in North America only.

3. Data Entry Instructions

KIND: Kind of Data

Click either of the radio buttons:

- Location Identification Number Index (LINindex)
- Location Identification Number (LIN).

(a) When Location Identification Number Index (LINindex) is selected:

TYPE: Type of select

Click either of the radio buttons, STN or LENS to specify the station to allocate LINindex.

TN: Tenant Number

Enter the Tenant Number to which the specified station belongs. This parameter appears when STN is selected in TYPE.

STN: Station number [Maximum six digits (0-9, *, #)]

Enter the station number of Desktop terminal, ISDN terminal, analog telephone or MC accommodated terminal. This parameter appears when STN is selected in TYPE.

LENS: Line Equipment Numbers [MG, U, G, LV]

Enter the LENS of station. This parameter appears when LENS is selected in TYPE.

LINindex: Location identification number index [1-4000]

Allocate the LINindex to each station in the range of 1-4000.

(b) When Location Identification Number (LIN) is selected:

LINindex: Location identification number index [0-4000]

Enter the LINindex allocated to each station, to link the LINindex and LIN.

Note: LINindex = 0 is reserved to the Pilot Line Number.

LIN: Location Identification Number [Maximum 10 digits]

Enter the dial-in number of each station. The LIN is informed to NI-2 network for calling back the originating station.

If LINindex = 0 is entered, assign the Pilot Line Number to the LIN.

4. Data Sheet

[illegible]

ALPE: Assignment of Line Privacy Expansion Data

1. General

This command assigns the eight-party Conference Trunk (CFT card), that is seized in Line Privacy Expansion Service on a per-tenant basis.

2. Precautions

1. Enter the data “1” at the TN parameter when “1” is entered at the TNF parameter.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
3. The station number entered in the STN parameter must correspond to the one assigned at the first circuit (Circuit 0) of the CFT card.

3. Data Entry Instructions

TNF: Tenant flag [0/1]

0=Separate

1=Common

TN: Tenant Number

STN: Station number

4. Data Sheet

[illegible]

ALRNN: Assignment of Logical Route and Route Class Data for NDM

1. General

As the functions of ALRTN, ARTD and ARTDN commands are combined into this command, it can be used to allocate the Logical Route number and to assign/delete Route Class data at the same time. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command can only be used when logging in to NCN.
2. When Route Class Data is assigned to NDM, the data is also assigned to FPC designated node.
3. When deleting the data by this command, Route Class Data of both NDM and FPC designated node are deleted. The DM data set by ARTD command is also deleted in this process. To delete the allocated Logical Route Number only, use ALRTN command.
4. When any difference has been found between the retrieved data and modified/deleted data, in addition to VIR=0 assigned in the ARTI/ARTIN command, message dialog appears to urge the command SCVT to be activated for changing the virtual trunk operation data.

3. Notice

Do not assign a Logical Route to a Physical Route of the following nodes.

- Nodes which Route Class Data (ARTD) for Physical Route is not assigned
- Nodes which are disconnected from the link to NCN

Follow the procedures listed below if a Logical Route is assigned mistakenly.

1. Delete LGRT by ALRNN command
2. Assign LGRT by ALRNN command after verifying that the two conditions of nodes listed above are improved
3. Verify that the data is assigned successfully by ARTDN command

4. Data Entry Instructions

See Data Sheet in Section 5.

5. Data Sheet

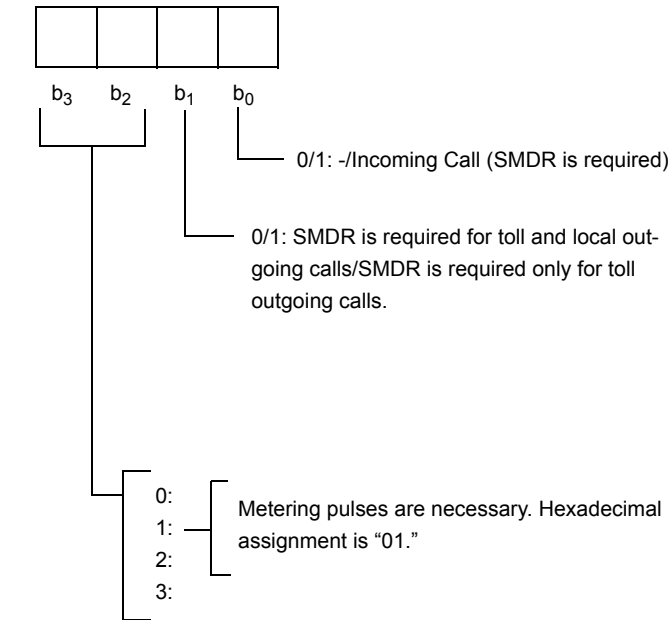
LOGICAL ROUTE (LGRT) 1-899									REMARKS
FUSION POINT CODE (FPC) 1-253									
ROUTE NUMBER (RT) 1-255									
1	OSGS	Signal Interface for Outgoing 0 = CCIS 1 = RingDown 2 = Second Dial Tone 3 = Not used 4 = Sender (Immediate Start) Note 1 5 = Not used 6 = Sender (Delay Dial Start) 7 = Sender (Wink start) 8-15= Not used							Note1: The signal selection in ONSG should be DP.
2	ONSG	Signal Selection for Outgoing 0 = Not used 1 = DP, 10 pps, 33% Make 2 = PB, 60 milliseconds Interruption or CCIS 3 = DP/PB 4 = MF 5 = DP, 20 pps, 33% Make 6 = Not used 7 = DP, 20 pps, 50% Make 8 = PB, 120 milliseconds Interruption 9 = DP, 10 pps, 40% Make 10 = MFC 11-15=Not used							
3	ISGS	Signal Interface for Incoming 0 = CCIS 1 = Ring Down 2 = Second Dial Tone 3 = Not used 4 = Sender (Immediate Start) Note 2 5 = Not used 6 = Sender (Delay Dial Start) 7 = Sender (Wink Start) 8-15= Not used							Note2: The signal selection in INSG should be DP.
4	INSG	Signal Selection for Incoming 0 = Not used 1= DP, 10 pps, 33% Make 2 = PB, 60 milliseconds Interruption or CCIS 3 = DP/PB 4 = MF 5 = DP, 20 pps, 33% Make 6 = Not used 7 = DP, 20 pps, 50% Make 8 = PB, 120 milliseconds Interruption 9 = DP, 10 pps, 40% Make 10 = MFC 11-15=Not used							
5	TF	Type of Trunk Function 0 = Not used 1 = Outgoing Trunk (OGT) 2 = Incoming Trunk (ICT) 3 = Bothway Trunk (BWT)							

LOGICAL ROUTE (LGRT) 1-899									REMARKS
FUSION POINT CODE (FPC) 1-253									
ROUTE NUMBER (RT) 1-255									
6	TCL	Trunk Class Specify the kind of trunk 1 = DDD Line 2 = FX 3 = WATS Line 4 = Tie Line/Announcement Trunk 5 = CCSA 6 = Toll Terminal 7 = CAS Line 8 = Paging 9 = Code Call Trunk 10 = Dictation Trunk 11 = General Paging Trunk 12 = Radio Paging Trunk 13 - 31 = Not used							
7	L/T	Line/Trunk Identification 0 = Not used (Line) 1 = Trunk	1	1	1	1	1	1	Always assign data "1."
8	RLP	Trunk Release Pattern 0 = Calling Party Release (Outgoing only) 1 = Not used 2 = First Party Release (either station or trunk side) 3 = Not used							Normally assign data "2"
9	TQ	Outgoing Trunk Queuing 0 = Out of service 1 = In service							
10	SMDR	Detailed Billing Information 0 = SMDR out of service 1 = SMDR in service (ORT required for receiving all dialed digits)							
11	TD	Toll Denial Battery Reversal	0	0	0	0	0	0	Always assign data "0."
12	DR	Distinctive Ringing Pattern This parameter designates whether distinctive ringing will be provided for an incoming call. 0 = Distinctive Ringing is not required (ASYD, SYS3, Index 3, b0=0) 1 = Distinctive Ringing is required (ASYD, SYS3, Index 3, b0=1)							
13	AC	Flexible Routing Pattern Designation When outgoing route selection pattern number is to be determined by the AFRS command, 1 is to be assigned if the Access Code is included in the Number Pattern Code (NPC). 0 = When flexible routing is executed, numbers are translated excluding the Access Code 1 = When flexible routing is executed, numbers are translated including the Access Code							This data is valid for dummy routes. Assign data "1" for the dummy route.
14	TNT	Tenant Number Check 0 = Tenant number check is not required in trunk selection.							Always assign data "0."

LOGICAL ROUTE (LGRT) 1-899									REMARKS
FUSION POINT CODE (FPC) 1-253									
ROUTE NUMBER (RT) 1-255									
15	LSG	Line Signal 0 = Loop 1 = Ground Start 2 = CDH 3 = Caller ID (Loop) 4 = Loop 5 = E&M 6 = DX 7 = 24V4 8 = Loop DID 9 - 11 = Not used 12 = Speech Line (for CCIS or Bch of ISDN) 13 = Signal Line (for CCIS or Dch of ISDN) 14 = Not used 15 = Not used	C.O. line Tie Line						
16	SMDR2	Detailed Billing Information							See Figure "SMDR2 (ALRNN)" and Table "SMDR2 (ALRNN)".
17	H/M	Hotel Service in CCIS 0 = Out of service 1 = In service							
18	MC			0	0	0	0	0	Always assign data "0."
19	ANI	E911 - ANI Service 0 = Out of service 1 = In service							
20	D			0	0	0	0	0	Always assign data "0."
21	MSB			0	0	0	0	0	Always assign data "0."
22	MSW			0	0	0	0	0	Always assign data "0."

LOGICAL ROUTE (LGRT) 1-899								REMARKS
FUSION POINT CODE (FPC) 1-253								
ROUTE NUMBER (RT) 1-255								
23	TR	For the incoming call with MFC signaling: 0 = - 1 = ICPT transfer by Group-II Signal is not executed. Note: This data is applied to the incoming route when Group-II with Priority is assigned for MFC-DID incoming call. When TR=0 is assigned, ICPT transfer to Attendant is applied unconditionally. (Australia, Thailand, Singapore, and Brazil) Note: On terminating an overseas incoming call with MFC-DID, ICPT transfer to Attendant is applied when TR=0 is assigned to the outgoing route of the tandem connection. (Singapore) For the incoming call via ISDN, to terminate the overseas incoming call to the Attendant restricting the tandem connection: 0 = Tandem Connection is restricted (ICPT transfer to Attendant) 1 = Tandem Connection is allowed Note: This data is applied to the outgoing route of the tandem connection.						

SMDR2 (ALRNN)



Example:

b_3	b_2	b_1	b_0
0	0	0	1
8	4	2	1

b_0 =bit 0
 b_1 =bit 1...

The following explains what hexadecimal data "1" means for SMDR2:

- For incoming calls SMDR is required because b_0 is assigned as "1".
- SMDR is required for toll and local outgoing calls because b_1 is assigned as "0".
- Metering pulses are detected by the system; therefore $b_2=0$ and $b_3=0$.

SMDR2 (ALRNN)

CONTENTS/INPUT		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
b0	0-Detailed billing is not required for incoming calls.	×		×		×		×									
	1-Detailed billing is required for incoming calls.		×		×		×		×								
b1	0-Detailed billing is required for toll and local outgoing calls.	×	×			×	×										
	1-Detailed billing is required only for toll outgoing calls.			×	×			×	×								
b2, 3	0-																
	1-Metering pulses are used.					×	×	×	×								
	2-																
	3-																

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
24	OC	0 = - 1 = Originating Category Information is used					For MFC signaling (Brazil and Mexico)
25	R/L	Attendant-Identification of Incoming Trunk Display. 0 = TN, RT, TK display 1 = C.O. line number display					
26	RVSD	Trunk Reversal Identification This data is necessary when a specific Trunk route provides battery reversal for answer supervision. 0 = Battery Reversal System 1 = Third Wire System					
27	TL	Tone Level	0	0	0	0	Always assign data “0.”
28	ANS	Answer signal from Trunk side. 0 = No answer signal is given. 1 = Answer signal is given.					
29	TELP	Time Elapse Indication Service 0 = Out of service 1 = In service					Time Elapse Indication (TELP) is a warning tone sent to the caller after a predetermined period of time has elapsed (usually three minutes).
30	PAD	This data determines PAD control on the circuit card. 0 1 2 Actual PAD value for 0 to 6 depends on PAD ROM 3 on each circuit card. 4 (See Circuit Card Description.) 5 6 7 = PAD-OFF(0db)					

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
31	OGRL	Release timing for outgoing trunk connection. 0 = 608 milliseconds 1 = 224 milliseconds 2 = 288 milliseconds 3 = 352 milliseconds 4 = 416 milliseconds 5 = 480 milliseconds 6 = 544 milliseconds 7 = 608 milliseconds 8 = 672 milliseconds 9 = 736 milliseconds 10 = 800 milliseconds 11 = 864 milliseconds 12 = 928 milliseconds 13 = 992 milliseconds 14 = 1056 milliseconds 15 = 1120 milliseconds					- Normally assign data "0". - For ISDN, see the table (Examples of Route Class Settings).
32	ICRL	Release timing for incoming trunk connections. 0 = 288 milliseconds Note 1 1 = 224 milliseconds 2 = 288 milliseconds 3 = 352 milliseconds 4 = 416 milliseconds 5 = 480 milliseconds 6 = 544 milliseconds 7 = 608 milliseconds 8 = 672 milliseconds 9 = 736 milliseconds 10 = 800 milliseconds 11 = 864 milliseconds 12 = 928 milliseconds 13 = 992 milliseconds 14 = 1056 milliseconds 15 = 1120 milliseconds					- Normally assign data "0". - For ISDN, see the table (Examples of Route Class Settings). Note1: 160 milliseconds in case of Loop Dialing Trunk.
33	HD	Trunk Hold Timing. 0 = ten seconds 1 = two seconds 2 = four seconds 3 = six seconds 4 = eight seconds 5 = ten seconds 6 = 12 seconds 7 = 14 seconds 8 = 16 seconds 9 = 18 seconds 10 = 20 seconds 11 = 22 seconds 12 = 24 seconds 13 = 26 seconds 14 = 28 seconds 15 = 30 seconds					Normally assign data "0".
34	GUARD	Ground Timer Outgoing inhibit timing after trunk release. 0 = 3072 milliseconds 1 = 512 milliseconds 2 = 1024 milliseconds 3 = 1536 milliseconds 4 = 2048 milliseconds 5 = 2560 milliseconds 6 = 3072 milliseconds 7 = 3584 milliseconds 8 = 4096 milliseconds 9 = 4608 milliseconds 10 = 5120 milliseconds 11 = 5632 milliseconds 12 = 6144 milliseconds 13 = 6656 milliseconds 14 = 7168 milliseconds 15 = 7680 milliseconds					- Normally assign data "0." - For ISDN, see the table (Examples of Route Class Settings).

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
35	WINK	Width of a Wink Signal 0 = 160 milliseconds 1 = 64 milliseconds 2 = 96 milliseconds 3 = 128 milliseconds 4 = 160 milliseconds 5 = 192 milliseconds 6 = 224 milliseconds 7 = 265 milliseconds 8 = 288 milliseconds 9 = 320 milliseconds 10 = 352 milliseconds 11 = 384 milliseconds 12 = 416 milliseconds 13 = 448 milliseconds 14 = 480 milliseconds 15 = 512 milliseconds					Normally assign data "0."
36	VAD		0	0	0	0	Always assign data "0."
37	CLD		0	0	0	0	Always assign data "0."
38	FA	Forced Account/Forced Authorization Code 0 = Check is not required 1 = Check is required (For Remote Access to System)					
39	BC	C.O Line Idle Balance Condition. 0 = Not balanced 1 = Balanced					For Australia only
40	TCM	Travel Class Mark 0 = Out of service 1 = In service					
41	TDMQ	Tandem Off Hook OG Queuing 0 = Out of service 1 = In service					
42	TRSC	Trunk Restriction class 0 = Out of service 1-15= In service					See AEFR command.
43	BT	Inter-office Busy Service 0 = Out of service 1 = In service					For CCIS voice route, assign data "1."
44	PRV	Line Trunk Privacy 0 = Privacy out of service 1 = Privacy in service For Busy Verification, Call Waiting, Executive Right of Way, Paging, Dictation, Data Communication, etc.).					
45	A/D	Analog/Digital Line Data 0 = Analog 1 = Digital					Assign data "1" only for digital T1 routes or Bch of ISDN routes.
46	CW	Call Waiting Service 0 = Out of service 1 = In service					
47	TPQ	Priority OG Queuing 0 = Out of service 1 = In service					
48	BL	Detection of Blocking Signal 0 = No detection 1 = Detection					
49	TRKS	Trunk Selection Sequence 0 = Select from the trunk which becomes idle first. 1 = Select from the trunk which becomes idle last.					Assign this data reversing to the mate office data. (Especially, for CCIS)

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
50	DPLY	Caller ID display over CCIS 0 = Disabled 1 = Enabled Note 2					For CCIS voice route and ISDN Bch route. Note2: Up to 8 digits of a Caller ID can be shown on the display.
51	ACD	0 = Out of service 1 = -	0	0	0	0	Always assign data "0" even ACD application.
52	2W/4W	Two Wires/Four Wires 0 = Two Wires 1 = Four Wires	0	0	0	0	Always assign data "0."
53	FAAT	Authorization Code for ATT 0 = Depends on RSC of ATT 1 = Authorization Code always required.					
54	GW	Gateway Option 0 = Out of service 1 = Data Signaling Trunk 2-15 = Not used					
55	TCMA		0	0	0	0	Always assign data "0."
56	SMDR3	Detailed billing for outgoing in tandem connection. 0 = Required 1 = Not required					Assign this for the incoming route (ICRT), if necessary.
57	HDT	Heterogeneous Data Trunk 0 = Not Heterogeneous Data Trunk 1 = Heterogeneous Data Trunk					
58	CD	Consecutive Dialing 0 = Out of service 1 = In service					
59	CCH	Common Channel Handler 0 = CCH is not mounted (normal setting) 1 = CCH is mounted (ISDN or CCIS line)	0	0	0	0	Always assign data "0" even ISDN/CCIS.
60	TC/EC		0	0	0	0	Always assign data "0."
61	IRE	Inter-rearranging signal 1 = Supervisory					When assigning this data, "0" should always be entered.
62	SCR	Step Call Restriction for Tie Line Call 0 = Step call is restricted. 1 = Step call is not restricted.					
63	LYER1	Layer 1 (For ISDN) 0 = 23 B+D 1= 30 B+D					0= μ law country 1= A law country
64	NET	User/Net Identification (For ISDN) 0 = User Side (normal setting) 1 = Network side					Normally assign data "0."

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
65	INT	Interface Specification (For ISDN) 0 = CCIS 1 = N-ISDN2 2 = Australia 3 = INS 1500 (NTT) 4 = ITU (CCITT), ETSI 5 = AT&T (4/5 ESS) 6 = INS 64 (NTT) 7 = NT DMS 100/DMS 250 8 = Not used 9 = TTC Q931 a protocol Tie Line (JAPAN) 10 = Q-sig, (ETS 300 172)/IS-11572					
66	DC	Dialed Number Confirmation (For ISDN) 0 = Sub Addressing 1-15 = DID Addressing Note 3					Note3: Other than 0= Number of Main Address Digits to be translated.
67	HKS	Hooking Service 0 = Out of service 1 = In service					
68	SCF	Split Call Forwarding 0 = Follow station forwarding (CF) 1 = Follow trunk forwarding (Split CF)					This data is valid when ASYDN, SYS1, Index 79, b2 = 1.
69	SMDR4	Detailed billing for incoming in tandem connection. 0 = Required 1 = Not required					Assign this for the outgoing route (OGRT) if necessary.
70	TCMN	Number of digits of TCM (S Code) 0 = No digit 1 = One digit 2 = Two digits 3 = Not used					When ONSG/INSG = 4 (MF).
71	TCMC	TCM and KP Sending Sequence 0 = KP-ST 1 = KP TCM-ST 2 = TCM KP-ST 3 = KP (TCM)-ST					When ONSG/INSG = 4 (MF).
72	MFSP	Sending Speed Tone ON Tone OFF Digit/seconds 0= 68 milliseconds 68 milliseconds 7.5 1= 56 milliseconds 56 milliseconds (CCITT No.5) 2= 68 milliseconds 32 milliseconds 10 3= 68 milliseconds 36 milliseconds 10 4= 48 milliseconds 48 milliseconds 10 5= 52 milliseconds 52 milliseconds 10 6-15= Not used (If MFC) 0 = 24.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds Note 4					Note4: When ONSG/INSG = 4.

LOGICAL ROUTE (LGRT) 1-899								REMARKS
FUSION POINT CODE (FPC) 1-253								
ROUTE NUMBER (RT) 1-255								
73	KPST	Duration of KP sending 0 = 48 milliseconds 1 = 56 milliseconds 2 = 64 milliseconds 3 = 72 milliseconds 4 = 80 milliseconds 5 = 88 milliseconds 6 = 96 milliseconds 7 = 104 milliseconds 8 = 112 milliseconds 9 = 120 milliseconds 10 = 128 milliseconds 11 = 136 milliseconds 12 = 144 milliseconds 13 = 152 milliseconds 14 = 160 milliseconds 15 = 168 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 5					When the monitor signal is Reverse and the data is set to "0," KP sending is stopped by reserve signal monitor at the related distant office. Note5: When ONSG/ INSG = 4(MF)
74	KPPT	Pause after KP sending 0 = 48 milliseconds 1 = 56 milliseconds 5 = 88 milliseconds 6 = 96 milliseconds 7 = 104 milliseconds 8 = 112 milliseconds 12 = 144 milliseconds 13 = 152 milliseconds 14 = 160 milliseconds 15 = 168 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 6					Note6: When ONSG/ INSG = 4(MF)
75	STC	Stop Code 0-11= Not used 12 = MF 13= Not used 14 = DTMF 15= MF (for MF signaling)						When ONSG/INSG = 4 (MF)
76	MC	MP Start Cause 0 = As per ST 1 = Not used						Always set data to "0".
77	MT	MF Frequency 0 = DTMF (4×4) 1 = MF (2 out of 6)						When ONSG/INSG = 4(MF)
78	TONE	TONE Designation for TRK Call Termination 0 = DT 1-15= Not used						This data is effective when two (Second Dial Tone) is set in ARTDN, ISGS = 3.

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
79	PPTM	Sender Prepares 0 = Standard 1 = 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 24.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds					
80	MPTM	Sender Minimum Pause 0 = 10 PPS/600 milliseconds, 20 PPS/450 milliseconds 1 = 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 7				Note7: Possible to use when adjusting the interdict timer in DP line.

Note 7

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
81	LPTM	Sender Inter-Digit Pause Index 0 = DP/1 seconds, PB/0.5seconds 1 = 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds] (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 8				Note8: Possible to use when adjusting the duration of Pause in the case of Speed Calling System or adding digits.
82	RSAX		0	0	0	0	Always assign data "0."
83	CST		0	0	0	0	Always assign data "0."
84	CSEG		0	0	0	0	Always assign data "0."
85	CSEU		0	0	0	0	Always assign data "0."
86	CSEL		0	0	0	0	Always assign data "0."
87	CMP		0	0	0	0	Always assign data "0."
88	TALK		0	0	0	0	Always assign data "0."
89	FOT		0	0	0	0	Always assign data "0."
90	RST		0	0	0	0	Always assign data "0."
91	TOCI	Trunk Override Calling 0 = Override Inhibited (Calling side). 1 = Tie Line Override Service is provided (Calling side).					
92	TOCD	Trunk Override Called 0 = Override Inhibited (Called side). 1 = Tie Line Override Service is provided (Called side).					
93	ODGD		0	0	0	0	Always assign data "0."
94	RLS		0	0	0	0	Always assign data "0."
95	GWD	Gate Way Data Service 0= Out of service 1 = Gate Way System 2-15= Not used					
96	H1	ISDN H1 Switching 0 = - 1 = In service	0	0	0	0	Always assign data "0."
97	DT		0	0	0	0	

LOGICAL ROUTE (LGRT) 1-899							REMARKS
FUSION POINT CODE (FPC) 1-253							
ROUTE NUMBER (RT) 1-255							
98	CI	ISDN transmitting information 0 = Out of service 1 = 16-Digit Caller Number Service, Attribute Information Notification Service, and Calling Sub-Address Transfer Service 2-15= Not used					
99	OID		0	0	0	0	Always assign data "0."
100	TKS		0	0	0	0	Always assign data "0."
101	PAD2	PAD Control Data 2 0-7 = For PAD value, See Circuit Card Description.					
102	TRM		0	0	0	0	Always assign data "0."
103	TRPX		0	0	0	0	Always assign data "0."
104	LDR		0	0	0	0	Always assign data "0."
105	TSC		0	0	0	0	Always assign data "0."
106	SATS		0	0	0	0	Always assign data "0."
107	RVPX		0	0	0	0	Always assign data "0."
108	DQ		0	0	0	0	Always assign data "0."
109	SLOV	Slumber Time Override Service 0 = Out of service 1 = In service	0	0	0	0	
110	SDTO	System message automatic output when Connection Acknowledge signal has not been received. 0 = Out of service 1 = In service					
111	ADVPR	ISDN PRI Failure Routing Service 0 = Out of service 1 = In service					This data is valid for dummy routes.
112	IND	Inter-office Name Display 0 = Out of service 1 = In service					
113	UUI		0	0	0	0	Always assign data "0."
114	DCH		0	0	0	0	Always assign data "0."
115	CMRT	Common use of Route Numbers of ISDN trunks 0 = Out of service 1 = In service					
116	PREF		0	0	0	0	Always assign data "0."
117	DFS		0	0	0	0	Always assign data "0."
118	BOB	Broad Band 0 = 64K 1 = N × 64K	0	0	0	0	
119	HO1CH		0	0	0	0	Always assign data "0."
120	IFR	Indonesia Compulsion Cut Service 0 = Out of service 1 = In service	0	0	0	0	Always assign data "0."
121	CONV	SMDR Called Number Conversation 0 = Conversation Number 1 = In service					

LOGICAL ROUTE (LGRT) 1-899								REMARKS
FUSION POINT CODE (FPC) 1-253								
ROUTE NUMBER (RT) 1-255								
122	ORRT	Originally Trunk Information 0 = Out of service 1 = In service						
123	CNI	Calling Number Identification Format 0 = No ANI 1 = Feature Group D Format 2 = Not used 3 = Not used						
124	AOC	Advice Of Charge kind data 0 = The opposite node is ETSI base. 1 = The opposite node is ITU-T base. 2 = The opposite node is Australia ETSI base. 3 = Not Used.						
125	MGCOT	Media Gateway (Central Office Trunk) Use 0 = MG(COT) is not used. 1 = MG(COT) is used.						

The table below shows examples of standard route class settings.

Examples of Route Class Settings (ALRNN)

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
1	OSGS	2	7	0	0	0	0	0	0
2	ONSG	3	3	0	2	2	2	2	0
3	ISGS	1	7	7	0	0	0	0	0
4	INSG	3	3	3	2	2	2	2	0
5	TF	3	3	2	3	0	3	0	0
6	TCL	1	4	5	4	4	1	1	4
7	L/T	1	1	1	1	1	1	1	1
8	RLP	2	2	2	2	0	2	2	0
9	TQ	0	0	0	0	0	0	0	0
10	SMDR	1	0	0	0	0	0	0	0
11	TD	0	0	0	0	0	0	0	0
12	DR	1	0	1	0	0	0	0	0
13	AC	0	0	0	0	0	0	0	1
14	TNT	0	0	0	0	0	0	0	0
15	LSG	0	5	8	12	13	12	13	0
16	SMDR2	0	0	0	0	0	0	0	0
17	H/M	0	0	0	0	0	0	0	0
18	MC	0	0	0	0	0	0	0	0
19	ANI	0	0	0	0	0	0	0	0

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
20	D	0	0	0	0	0	0	0	0
21	MSB	0	0	0	0	0	0	0	0
22	MSW	0	0	0	0	0	0	0	0
23	TR	0	0	0	0	0	0	0	0
24	OC	0	0	0	0	0	0	0	0
25	R/L	0	0	0	0	0	0	0	0
26	RVSD	0	0	0	0	0	0	0	0
27	TL	0	0	0	0	0	0	0	0
28	ANS	0	1	1	1	0	1	1	0
29	TELP	0	0	0	0	0	0	0	0
30	PAD	0	0	0	4	7	4	7	0
31	OGRL	0	0	0	0	0	1	0	0
32	ICRL	0	0	0	0	0	1	0	0
33	HD	0	0	0	0	0	0	0	0
34	GUARD	0	0	0	0	0	0	0	0
35	WINK	0	0	0	0	0	0	0	0
36	VAD	0	0	0	0	0	0	0	0
37	CLD	0	0	0	0	0	0	0	0
38	FA	0	0	0	0	0	0	0	0
39	BC	0	0	0	0	0	0	0	0
40	TCM	0	0	0	0	0	0	0	0
41	TDMQ	0	0	0	0	0	0	0	0
42	TRSC	0	0	0	0	0	0	0	0
43	BT	0	0	0	1	0	0	0	0
44	PRV	0	0	0	0	0	0	0	0
45	A/D	0	0	0	0	0	1	0	0
46	CW	0	0	0	0	0	0	0	0
47	TPQ	0	0	0	0	0	0	0	0
48	BL	0	0	0	0	0	0	0	0
49	TRKS	0	0	0	0	0	0	0	0
50	DPLY	0	0	0	1	0	1	0	0
51	ACD	0	0	0	0	0	0	0	0
52	2W/4W	0	0	0	0	0	0	0	0
53	FAAT	0	0	0	0	0	0	0	0
54	GW	0	0	0	0	0	0	0	0
55	TCMA	0	0	0	0	0	0	0	0
56	SMDR3	0	0	0	0	0	0	0	0
57	HDT	0	0	0	0	0	0	0	0

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
58	CD	0	0	0	0	0	0	0	0
59	CCH	0	0	0	0	0	0	0	0
60	TC/EC	0	0	0	0	0	0	0	0
61	IRE	0	0	0	0	0	0	0	0
62	SCR	0	0	0	0	0	0	0	0
63	LYER1	0	0	0	0	0	0	0	0
64	NET	0	0	0	0	0	0	0	0
65	INT	0	0	0	0	0			0
66	DC	0	0	0	0	0			0
67	HKS	0	0	0	0	0	0	0	0
68	SCF	0	0	0	0	0	0	0	0
69	SMDR4	0	0	0	0	0	0	0	0
70	TCMN	0	0	0	0	0	0	0	0
71	TCMC	0	0	0	0	0	0	0	0
72	MFSP	0	0	0	0	0	0	0	0
73	KPST	0	0	0	0	0	0	0	0
74	KPPT	0	0	0	0	0	0	0	0
75	STC	0	0	0	0	0	0	0	0
76	MC	0	0	0	0	0	0	0	0
77	MT	0	0	0	0	0	0	0	0
78	TONE	0	0	0	0	0	0	0	0
79	PPTM	0	0	0	0	0	0	0	0
80	MPTM	0	0	0	0	0	0	0	0
81	LPTM	0	0	0	0	0	0	0	0
82	RSAX	0	0	0	0	0	0	0	0
83	CST	0	0	0	0	0	0	0	0
84	CSEG	0	0	0	0	0	0	0	0
85	CSEU	0	0	0	0	0	0	0	0
86	CSEL	0	0	0	0	0	0	0	0
87	CMP	0	0	0	0	0	0	0	0
88	TALK	0	0	0	0	0	0	0	0
89	FOT	0	0	0	0	0	0	0	0
90	RST	0	0	0	0	0	0	0	0
91	TOCI	0	0	0	0	0	0	0	0
92	TOCD	0	0	0	0	0	0	0	0
93	ODGD	0	0	0	0	0	0	0	0
94	RLS	0	0	0	0	0	0	0	0
95	GWD	0	0	0	0	0	0	0	0

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
96	H1	0	0	0	0	0	0	0	0
97	DT	0	0	0	0	0	0	0	0
98	CI	0	0	0	0	0	0	0	0
99	OID	0	0	0	0	0	0	0	0
100	TKS	0	0	0	0	0	0	0	0
101	PAD2	0	0	0	0	0	0	0	0
102	TRM	0	0	0	0	0	0	0	0
103	TRPX	0	0	0	0	0	0	0	0
104	LDR	0	0	0	0	0	0	0	0
105	TSC	0	0	0	0	0	0	0	0
106	SATS	0	0	0	0	0	0	0	0
107	RVPX	0	0	0	0	0	0	0	0
108	DQ	0	0	0	0	0	0	0	0
109	SLOV	0	0	0	0	0	0	0	0
110	SDTO	0	0	0	0	0	0	0	0
111	ADVPR A	0	0	0	0	0	0	0	
112	IND	0	0	0	0	0	0	0	0
113	UUI	0	0	0	0	0	0	0	0
114	DCH	0	0	0	0	0	0	0	0
115	CMRT	0	0	0	0	0	0	0	0
116	PREF	0	0	0	0	0	0	0	0
117	DFS	0	0	0	0	0	0	0	0
118	BOB	0	0	0	0	0	0	0	0
119	HO1CH	0	0	0	0	0	0	0	0
120	IFR	0	0	0	0	0	0	0	0
121	CONV	0	0	0	0	0	0	0	0
122	ORRT	0	0	0	0	0	0	0	0
123	CN1	0	0	0	0	0	0	0	0
124	AOC	0	0	0	0	0	0	0	0
125	MGCOT	0	0	0	0	0	0	0	0

Template Data

For the details of Template Data, refer to the ARTD command.

ALRTN: Assignment of Logical RT for NDM

1. General

This command allocates the Logical Route Number that is the unique number of the external trunk route in the FCCS Network.

2. Precautions

1. Logical Route Number allocation is required for the FCCS Network only.
2. When assigning the data by this command, the Route Class Data (ARTD) and Trunk Application Data (ARTI) for Physical Route are also allocated to Logical Route Data (ARTDN/ARTIN) on the same condition.
3. For detailed information, see the Data Programming Manual - FCCS.
4. Any route or trunk (Trunk Anywhere), in an ACDP FCCS Network, that must have access to an ACDP (including an Agent Anywhere Node), cannot be assigned a Logical Route Number above 255. This includes routes that ring directly to the ACD as well as any transferred calls.

3. Notice

Do not assign a Logical Route to a Physical Route of the following nodes.

- Nodes which Route Class Data (ARTD) for Physical Route is not assigned
- Nodes which are disconnected from the link to NCN

Follow the procedures listed below if a Logical Route is assigned mistakenly.

- (1) Delete LGRT by ALRTN command
- (2) Assign LGRT by ALRTN command after verifying that the two conditions of nodes listed above are improved
- (3) Verify that the data is assigned successfully by ARTDN command

4. Data Entry Instructions

<LOCATION DIVERSITY [L-55] is not in service>

LGRT: Logical Route Number [1-899]

LGRT is the unique number allocated to each external trunk route in the FCCS Network.

[RT List]

FPC: Fusion Point Code [1-253]

Assign FPC of each node to which the external trunk route belongs.

RT: External Route Number [1-255]

Assign all external routes including dummy routes in the FCCS Network.

<LOCATION DIVERSITY [L-55] is in service>

LGRT: Logical Route Number [1-899]

LGRT is the unique number allocated to each external trunk route in the FCCS Network.

[RT List]

Assign data to FPC and RT for each location (primary/secondary/tertiary).

FPC: Fusion Point Code [1-253]

Assign FPC of each node to which the external trunk route belongs.

RT: External Route Number [1-255]

Assign all external routes including dummy routes in the FCCS Network.

5. Data Sheet

[illegible]

AMAA: Assignment of Message Area ID Data

1. General

This command is used to assign registered MA-ID to the originating (station/trunk/LENS) that is referred in using Least Cost Routing for MG-PRI, or Network which is referred to SMDR Multi Area ID via IP.

2. Precautions

1. Least Cost Routing for MG-PRI is valid only for FCCS network.
2. You need to log on to NCN (Network Control Node) to assign data by using this command.
3. Least Cost Routing for MG-PRI uses and supports LCR/LCRS. (OGC/OGCA are not supported.)
4. In Least Cost Routing for MG-PRI, the assignment by this command is valid for My Line, not Sub Line.
5. In Least Cost Routing for MG-PRI, if station number is set to Call Forwarding-All Calls-Outside, Call Forwarding-Busy Line-Outside, or Call Forwarding-Don't Answer-Outside, the route selection patterns specified in the terminal will be used.
6. In Least Cost Routing for MG-PRI, once MA-ID is modified, Speed Calling, One-Touch Speed Calling, Call Transfer, Call Forwarding-Busy Line, Call Forwarding-Don't Answer, and Call Forwarding Logout automatically select necessary maximum data digits and outgoing route selection patterns according to its modified MA-ID.

3. Data Entry Instructions

KIND

Select a kind:

- LENS: Assigned to the originating
- Network: Assigned to a network

Function

Select a function when KIND=LENS is assigned:

- Station
- Trunk
- CS
- LENS

DETAIL

Select one of the following when Station or Trunk is assigned to the Function parameter.

<When Function=Station:>

- STN
- TELN (NDM) **Note 1**
- TELN (LDM)

<When Function=Trunk:>

- RT
- LGRT **Note 1**

Note 1: If the self-node FPC is 0, this item cannot be assigned.

Type

Select a type for specifying Function and DETAIL. Individual is applied when KIND=Network is assigned.

- Individual
- Collective

◆ When Function=Station, DETAIL= STN, TYPE=Individual is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

TN: Tenant Number

STN: Station number

MA-ID: Message Area ID within the range from 0 to 9999

◆ When Function=Station, DETAIL= STN, TYPE=Collective is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

TN: Tenant Number

STN START-END: The range of the station numbers

◆ When Function=Station, DETAIL=TELN (NDM), TYPE=Individual is assigned:

UGNN: User Group Number

TELNN: Telephone Number**MA-ID: Message Area ID within the range from 0 to 9999**

- ◆ When Function=Station, DETAIL=TELN (NDM), TYPE=Collective is assigned:

UGNN: User Group Number**TELNN START-END: The range of the Telephone Numbers****MA-ID: Message Area ID within the range from 0 to 9999**

- ◆ When Function=Station, DETAIL=TELN (LDM), TYPE=Individual is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

UGNL: User Group Number**TELNL: Telephone Number****MA-ID: Message Area ID within the range from 0 to 9999**

- ◆ When Function=Station, DETAIL=TELN (LDM), TYPE=Collective is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

UGNL: User Group Number**TELNL START-END: The range of the Telephone Numbers****MA-ID: Message Area ID within the range from 0 to 9999**

- ◆ When Function=Trunk, DETAIL=RT, TYPE=Individual is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

RT: Route Number

MA-ID: Message Area ID within the range from 0 to 9999

The range of TK is specified: When this box is checked, TK START-END field is activated.

TK START-END: Start and End Numbers for the scope of trunks

- ◆ When Function=Trunk, DETAIL=RT, TYPE=Collective is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

RT START-END: The range of the Route Numbers

MA-ID: Message Area ID within the range from 0 to 9999

The range of TK is specified: When this box is checked, TK START-END field is activated.

TK START-END: Start and End Numbers for the scope of trunks

- ◆ When Function=Trunk, DETAIL=LGRT, TYPE=Individual is assigned:

LGRT: Logical Route Number (1-899)

MA-ID: Message Area ID within the range from 0 to 9999

The range of TK is specified: When this box is checked, TK START-END field is activated.

TK START-END: Start and End Numbers for the scope of trunks

- ◆ When Function=Trunk, DETAIL=LGRT, TYPE=Collective is assigned:

LGRT START-END: The range of the Logical Route Numbers (1-899)

MA-ID: Message Area ID within the range from 0 to 9999

The range of TK is specified: When this box is checked, TK START-END field is activated.

TK START-END: Start and End Numbers for the scope of trunks

- ◆ When Function=LENS, TYPE=Individual is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

LENS: Line Equipment Numbers

MA-ID: Message Area ID within the range from 0 to 9999

- ◆ When Function=LENS, TYPE=Collective is assigned:

FPC: Fusion Point Code (1-253)

If the self-node FPC is 0, it is not necessary to enter the data in this field.

LENS START-END: The range of the Line Equipment Numbers

MA-ID: Message Area ID within the range from 0 to 9999

- ◆ When FUNCTION=CS, TYPE=Individual is assigned:

PCN: PHS Community Number [1-1024]

ERN: Calling Area Number [1-32]

GRN: Group Number [1-8]

CSN/ZTN: CS/ZT Number [1-32]

MA-ID: Message Area ID within the range from 0 to 9999

- ◆ When FUNCTION=CS, TYPE=Collective is assigned:

PCN: PHS Community Number [1-1024]

ERN START-END: The range of the Calling Area Numbers [1-32]

GRN START-END: The range of the Group Number [1-8]

CSN/ZTN START-END: The range of the CS/ZT Numbers [1-32]

MA-ID: Message Area ID within the range from 0 to 9999

◆ When Kind=Network is assigned:

FPC: Fusion Point Code [1-253]

If the self-node FPC is 0, it is not necessary to enter the data in this field.

IP ADDRESS: IP Address

Enter the desired IP address.

MASK BIT: Mask Bit [1-31]

After entering the above IP address, click the GET button, If no data is assigned, select the MASK BIT.

The following table shows parameter values for Mask Bit and the resulting subnet masks.

Mask Bit	Subnet Mask
1	128.0.0.0
2	192.0.0.0
3	224.0.0.0
4	240.0.0.0
5	248.0.0.0
6	252.0.0.0
7	254.0.0.0
8	255.0.0.0
9	255.128.0.0
10	255.192.0.0
11	255.224.0.0
12	255.240.0.0
13	255.248.0.0
14	255.252.0.0
15	255.254.0.0
16	255.255.0.0
17	255.255.128.0
18	255.255.192.0
19	255.255.224.0
20	255.255.240.0
21	255.255.248.0

Mask Bit	Subnet Mask
22	255.255.252.0
23	255.255.254.0
24	255.255.255.0
25	255.255.255.128
26	255.255.255.192
27	255.255.255.224
28	255.255.255.240
29	255.255.255.248
30	255.255.255.252
31	255.255.255.254

NETWORK ADDRESS: Network Address

The Network Address corresponding to the above IP address and Mask Bit is displayed.

MA-ID

Assign the Message Area ID within the range from 1 to 9999 (0 is used to clear a MA-ID).
In case of SIP station, Kind=Network must be selected to assign MA-ID.

4. Data Sheet

(a) When KIND=LENS, Function=Station, DETAIL=STN

[illegible]

(b) When KIND=LENS, Function=Station, DETAIL=TELN (NDM)

[illegible]

(c) When KIND=LENS, Function=Station, DETAIL=TELN (LDM)

[illegible]

(d) When KIND=LENS, Function=Trunk, DETAIL=RT

[illegible]

[illegible]

(e) When KIND=LENS, Function=Trunk, DETAIL=LGRT

[illegible]

[illegible]

(f) When KIND=LENS and Function=CS

[illegible]

[illegible]

(g) When KIND=LENS and Function=LENS

[illegible]

(h) When KIND=Network (Individual Setting Only)

[illegible]

AMAC: Assignment of MAC address of IP Enabled Dterm for LDM

1. General

This command is used to allocate the station number or the Telephone Number to the fixed MAC address of an IP Enabled Dterm terminal and provides the automatic login function when connecting IP Enabled Dterm terminals to the network.

2. Precautions

1. The station number corresponding to the MAC address is assigned to each node.
2. The same station number can be assigned to multiple MAC addresses.
3. When Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), TELN needs to be selected as an Input Station Type (TYPE).

3. Data Entry Instructions

MAC ADDRESS: IP Enabled Dterm MAC address [Six byte in HEX]

Enter the fixed MAC address of each IP Enabled Dterm terminal in Hexadecimal notation. After entering the MAC address, registered data is read out when the GET button is clicked.

TYPE: Input station type [STN/TELN]

Select the type for specifying the terminal, by STN or TELN.

- STN = Tenant Number (TN) and station number (STN)
- TELN = User Group Number (UGN) and Telephone Number (TELN)

(a) When STN is selected:

TN: Tenant Number

STN: Station number [Maximum six digits (0-9, *, #)]

Allocate the physical station number to the MAC address.

(b) When TELN is selected:

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Allocate the Telephone Number to the MAC address.

4. Data Sheet

[illegible]

AMACN: Assignment of MAC Address of IP Terminals for NDM

1. General

This command is used to assign the MAC Address of the terminal toward the Telephone Number. The information is stored into the Network Data Memory (NDM) to enable the MAC Address authentication over the network.

2. Precautions

1. The station number relating to the MAC Address needs to be assigned per each node.
2. The number of MAC Address available to be assigned by this command is 32000.
3. Maximum of four MAC Addresses can be assigned toward one station number.

3. Data Entry Instructions

UGN: User Group Number [1-255]

Assign the User Group Number (UGN).

TELN: Telephone Number [Maximum 16 digits]

Assign the Telephone Number (TELN) pertaining to the MAC Address.

MAC ADDRESS (NDM): IP Enabled Dterm MAC Address

When you enter the MAC Address and press the [Get] button, assigned data will be displayed.

When you click the [Get MAC Address] button, the MAC Address of the station will be displayed if it is available with the AMAC command.

CH: Channel Number

Channel data for equipment (example: Analog MC) will be displayed if it is available.

◆Listup button

This button displays the Listup command (LMACN) window, from which you can retrieve the LMACN Listup Report by clicking the [EXECUTE] button. The report is displayed in a separate window and provides MAC address identification data for each IP terminal. The output of the data is available in a variety of formats.

4. Data Sheet

[illegible]

AMAD: Assignment of Mobility Access Data

1. General

This command is used to set, cancel or confirm the Mobility Access service.

2. Precautions

1. Even if an incorrect MA Number is assigned, no error message is indicated (the assigned command data can be written into the system). However, in this case, this feature does not work properly.

3. Data Entry Instructions

TYPE

Choose any of the following:

1. Telephone Number(NDM)
2. Telephone Number(LDM)
3. Station Number

- When TYPE= 1.Telephone Number(NDM)

UGN

User Group Number (1-255)

TELN

Telephone Number [Up to 16 digits (0-9, *, #)]

CFDM

Mobile Phone Number including Trunk Access Code [Up to 24 digits (0-9)]

TACC

The number of digits for Trunk Access Code (1-6)

MA Number

Mobile Phone Number not including Trunk Access Code (Display only)

- When TYPE= 2.Telephone Number(LDM)

FPC

Fusion Point Code (1-253)

UGN

User Group Number (1-255)

TELN

Telephone Number [Up to 16 digits (0-9, *, #)]

CFDM

Mobile Phone Number including Trunk Access Code [Up to 24 digits (0-9)]

TACC

The number of digits for Trunk Access Code (1-6)

MA Number

Mobile Phone Number not including Trunk Access Code (Display only)

- When TYPE= 3.Station number

FPC

Fusion Point Code (1-253)

Note: This parameter is not displayed when Fusion Point Code (FPC) has not been assigned via System Data.

TN

Tenant Number

STN

Station Number [Up to 6 digits (0-9, *, #)]

CFDM

Mobile Phone Number including Trunk Access Code [Up to 24 digits (0-9)]

TACC

The number of digits for Trunk Access Code (1-6)

MA Number

Mobile Phone Number not including Trunk Access Code (Display only)

4. Data Sheet

[illegible]

[illegible]

AMAIL: Assignment of Message Area ID Information for LDM

1. General

This command is used to register MA-ID and Area Information, which is referred to in using Least Cost Routing for MG-PRI.

2. Precautions

1. Least Cost Routing for MG-PRI uses and supports LCR/LCRS. (OGC/OGCA are not supported.)

3. Data Entry Instructions

MA-ID: [4 digits (0-9999)]

Enter the Message Area ID.

For SMDR Multi Area ID via IP, MA-ID must be within the range from 1 to 9999

AREA NAME: [Maximum 16 digits]

Enter Area Name

Note: The Area Name with blank character (space) only is not available.

MGC Time Zone: [GMT-13:00 - GMT+14:00]

Select a time zone for the MGC from the list box.

MA-ID Time Zone: [GMT-13:00 - GMT+14:00]

Select a time zone for the MA-ID from the list box.

Daylight Saving Time is automatically applied

Check this box when Daylight Saving Time is used. (When checked, Daylight Saving Time is applied to the time zone of the user).

Note: Time Zone parameters only appear when ASYDL, SYS1, Index 831, bit 0 = 1.

AMAIN: Assignment of Message Area ID Information for NDM

1. General

This command is used to register MA-ID and Area Information, which is referred to in using Least Cost Routing for MG-PRI. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Least Cost Routing for MG-PRI uses and supports LCR/LCRS. (OGC/OGCA are not supported.)

3. Data Entry Instructions

MA-ID: [4 digits (0-9999)]

Enter the Message Area ID.

For SMDR Multi Area ID via IP, MA-ID must be within the range from 1 to 9999.

AREA NAME: [Maximum 16 digits]

Enter Area Name.

Note: The Area Name with blank character (space) only is not available.

MGC Time Zone: [GMT-13:00 - GMT+14:00]

Select a time zone for the MGC from the list box.

MA-ID Time Zone: [GMT-13:00 - GMT+14:00]

Select a time zone for the MA-ID from the list box.

Daylight Saving Time is automatically applied

Check this box when Daylight Saving Time is used. (When checked, Daylight Saving Time is applied to the time zone of the user).

Note: Time Zone parameters only appear when ASYDL, SYS1, Index 831, bit 0 = 1.

AMAT: Assignment of Master Attendant Data

1. General

When more than one Attendant Console has been installed for one tenant, this command assigns a Master Console for controlling the Day/Night function of all the Attendant consoles on a tenant basis.

2. Precautions

1. Assignment is necessary when Day/Night changeover is controlled by a Master Console (the ASYD command, SYS2, Index 2, b2=1 and b3=0).
2. The Master Console is placed in the Night mode, all incoming calls will be directed to TAS or a Night Connection Fixed station.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
4. The maximum number of Attendant consoles should be assigned by the ASYD command, SYS1, Index 9.

3. Data Entry Instructions

MODE [1/2]

Enter the desired Attendant Console to be operated as a master.

1=Attendant Console which is assigned as RT=901 (ATT) by the ATRK command. (MATN)

2=Attendant Console which is assigned as RT=915 (NATT) by the ATRK command. (NATN)

TN: Tenant Number

ATN: Attendant Number [1-16]

Enter desired Attendant Console number assigned by the ATRK command.

4. Data Sheet

MODE 1/2	TENANT NUMBER (TN)	ATTENDANT NUMBER (ATN) 1-16	REMARKS

AMGIL: Assignment of Media Gateway Information for LDM

1. General

This command assigns and deletes the information concerning Media Gateways such as LENS.

2. Precautions

1. When ISDN Trunk (PRI 1.5M/2M), SIP-MG, ISDN Trunk (PRI 1.5M/2M) [SIP] is selected in KIND, assign 0 in LINE and CH.
2. The Reset option (**Note 1**) for the Function parameter is available for the following Media Gateway (MG) trunks:

- ISDN Trunk (BRI)
- ISDN Trunk (PRI 1.5M)
- ISDN Trunk (PRI 2M)
- ISDN Trunk (BRI) [SIP]
- ISDN Trunk (PRI 1.5M) [SIP]
- ISDN Trunk (PRI 2M) [SIP]
- MC-MG (COT)
- MG (6COT)
- MG (6COT) [SIP]
- MG-T1(SIP) (**North America only*)
- SIP-MG **Note 2**

Note 1: This option resets only Media Gateways that are currently registered with the system. If you attempt to reset the one that is not registered, you will receive an error message indicating that the specified MG is not in operation.

Note 2: The Reset option is available for the SIP-MG trunk since FP95-113 V3.

3. Data Entry Instructions

Verify that ATRK data is assigned to LENS before assigning AMGIL data.

MG-ID: MG ID [00-FF (Hex)]

Assign the MAC Address (6 byte) of MG (Media Gateway).

KIND: Kind of MG Trunk

Select the kind of terminal in the combo box.

ISDN Trunk (BRI)
ISDN Trunk (PRI 1.5M)
ISDN Trunk (PRI 2M)
SIP-MG
MC-MG (COT)
ISDN Trunk (BRI) [SIP]
MC-MG (7COT) (**Not used*)
MG (6COT)
B2BUA(SIP-GW 4ch) (**Not used*)
B2BUA(SIP-GW 32ch) (**Not used*)
ISDN Trunk (PRI 1.5M) [SIP]
ISDN Trunk (PRI 2M) [SIP]
MG (6COT) [SIP]
MG-T1[SIP] (**North America only*)

FUNCTION **Note 1**

Select the function type of MG settings

Setting: Assigning/Deleting Media Gateway Information (LDM)

Reset: Resetting ISDN Trunk (BRI), ISDN Trunk (PRI 1.5M/2M), MC-MG (COT), MG (6COT), ISDN Trunk (BRI) [SIP], ISDN Trunk (PRI 1.5M/2M) [SIP], MG-T1[SIP], or SIP-MG (**Note 2**).

Note 1: This parameter is displayed only when data for the specified MG-ID already exists.

Note 2: The Reset option is available for SIP-MG since FP95-113 V3.

<When FUNCTION = Setting>

UG50 Multi-Slot Mode

Select the check box when setting up the UG50 in Multi-slot mode.

0: OFF/1: ON

Note: This parameter is only displayed when “KIND” is following:

- ISDN Trunk (PRI 1.5M)
- MC-MG (COT)
- ISDN Trunk (PRI 1.5M) [SIP]
- ISDN Trunk (PRI 2M)
- ISDN Trunk (PRI2M) [SIP]
- MG (6COT)
- MG (6COT) [SIP]

Note: Do not mark the check box when Retrofit mode is on. Registration will not start when marked.

LENS Setting Note 3**TK LENS (Line Equipment Numbers for Trunk Check)**

Enter the LENS of a trunk to be checked.

Note 3: This parameter is displayed only when KIND is MG (6COT), MG (6COT) [SIP] or MG-T1[SIP].

MG-LENS List**LINE: MG Line Number**

When KIND is ISDN (PRI 1.5M/2M)/SIP-MG/MG-T1[SIP], assign 0.

CH: MG Channel Number

When KIND is ISDN (PRI 1.5M/2M)/SIP-MG/MC-MG (COT)/MG (6COT)/ISDN Trunk (PRI 1.5M/2M) [SIP]/MG (6COT) [SIP], assign 0.

LENS: MG Common Channel LENS [6 digits (MG, U, G, Lv)]

- When KIND is ISDN (BRI)/MC-MG (COT), allocate the LENS of Virtual Speech/Signal Channel.
- When KIND is ISDN (PRI 1.5/2M), allocate the LENS of Virtual Speech/Signal Channel or the head channel of HW (Highway Block) where Virtual Speech/Signal Channel is assigned.
- When KIND is SIP-MG (for MG-SIP16), allocate the head channel of HW (Highway Block) where Virtual Signal Channel is assigned.

Retry: Consecutive Connection Failure Threshold [0-15]

Assign the retry number that requests the connection to MG. When retry has completed, System Message is output. **Note 4**

Note 4: Available only when KIND is ISDN Trunk (PRI 1.5M/2M) and SIP-MG.

CALL HOLD (MG-PRI Call Hold Service)

Select the check box to enable CALL PROTECTED RE-REGISTRATION [C-203]. **Note 5**

Note 5: Available only when KIND is ISDN Trunk (PRI 1.5M/2M).

Setting Type of Signaling Packet Service

When you want to assign the type of service, click the check box. You can select the type either IP PRECEDENCE (default) or DIFFSERV.

IP PRECEDENCE/DIFFSERV

When service type is IP PRECEDENCE, assign the PRECEDENCE (0-7). When DIFFSERV is selected, assign the DSCP (00-63).

Note: Only when IP PRECEDENCE is selected, select a type that you want to take priority and click the check box. You can select from four types (Low Delay, Through Put, Reliability, and Min Cost). You can select multiple types.

Music On Hold Exists

Select the “Music On Hold Exists” check box when assigning Music on hold setting. Default setting is External Music on hold. **Note 6, Note 7, Note 8**

External Music on hold (default)
Internal Music on hold1
Internal Music on hold2

Note 6: Available only when KIND is ISDN Trunk (BRI) or ISDN Trunk (BRI) [SIP].

Note 7: This parameter is not displayed when KIND is SIP-MG/ISDN Trunk (PRI 1.5M).

Note 8: Not available on the UG50. Do not mark the check box.

External Music On Hold Input Gain Adjustment [0-15]

Select the “Music On Hold Exists” check box and “External Music on hold” in the “Music on hold” box to assign this parameter. Default value is 0. **Note 9**

Note 9: Available only when KIND is ISDN Trunk (BRI) or ISDN Trunk (BRI) [SIP].

Usable CH Number: Usable Channel for SIP-MG [1-255]

Default value is 8. This parameter is available when KIND is SIP-MG.

Emergency Telephone **Note 10**

Automatically cancel (default)
Manually cancel

Note 10: Available only when KIND is ISDN Trunk (BRI) or ISDN Trunk (BRI) [SIP].

Country Code **Note 11, Note 12, Note 13**

Australia
Brazil
China
Hong Kong
Japan
Korea
Malaysia
Mexico
New Zealand
North America
Singapore
Sri Lanka

Taiwan
Thai land
Thai land (EGAT)
U.K
Other

Law of A/D Conversion

Appropriate method is displayed depending on Country Code. **Note 11**, **Note 12**, **Note 13**

μ -law (default)

A-law

Note 11: These parameters are invalid when C8 (Germany) - D9 (South Africa) are selected in the system data [ASYDL - Sys 1, Index 811].

Note 12: Available only when KIND is MC-MG (COT), MG (6COT), ISDN Trunk (PRI 1.5M/2M) [SIP], MG (6COT) [SIP] and MG-T1[SIP].

Note 13: For UG50, the value set on the Web Programming of the UG50 side is valid.

PB Receive Complete Timing of Dial-In [0-15]

Specify this parameter when using MC & MG-COT. In inbound DID routing via DTMF, if receiving no more DTMF signal within a time period defined by the parameter, the MC/MG determines that a complete sequence of DTMF signals has been received. **Note 14**

0: 512 ms (default value)

1 - 15: Assigned value x 64 ms

Note 14: Available only when KIND is MC-MG (COT), MG (6COT) and MG (6COT) [SIP].

False Answer Timing [0-15]

Specify this parameter when using MC & MG-COT. With the false answer function enabled (ARTD/ARTDN command ANS (CDN28) = 0 (No answer signal is given from trunk side)), when a time period defined by the parameter has elapsed since the start of dialing, the MC/MG acts as if it received an answer signal from the trunk. **Note 15**

0: 30 seconds (default value)

1 - 15: Assigned value x 10 seconds

Note 15: Available only when KIND is MC-MG (COT), MG (6COT) and MG (6COT) [SIP].

Service of Authentication Exists

Assign this parameter when making a registration per telephone number. The following are displayed when Kind is SIP-MG and this item is checked. **Note 16**

MG Group

: Assign the MG-SIP Group Number in the range of 1-15 to make an alternative route for redundancy configuration.

MG Number

: Assign the MG-SIP Number belonging to the MG-SIP Group in the range of 1-15.

Note 16: Available only when KIND is SIP-MG.

Incoming call Congestion control function enabled

Not used. Do not select this check box.

Setting of Path Data (Available since FP95-113 V3) **Note 17**

Place a check mark in the check box if you enter path information. If you click the SET button when the check box is blank, all stored path information will be lost.

Note 17: This check box is displayed only when KIND is SIP-MG.

List of Path Data **Note 18**

Note 18: Available only when the Setting of Path Data check box is selected.

INDEX: Index of Path Data [1-32]

Select: Process Select

Select the check box for a path to be set. When you click the SET button, only information about paths selected by the check boxes will be saved (all other path information will be lost).

Path ID: Identification Number of Path [1-255]

RT: External Route Number

LGRT: Logical Route Number (display only)

TK: Trunk Number [1-255]

CH: Number of Channels [1-128]

IP Ver: IP Address Version

IPv4

GW IP: Remote Gateway IP Address [0.0.0.1 - 255.255.255.254]

GW PORT: Remote Gateway Port Number [1024-65535]

FLT: Gateway Fault Detection Capability

Invalid

Valid

RESULT: Processed Result**<When FUNCTION = Reset>**

- **When KIND = ISDN Trunk (BRI) or ISDN Trunk (BRI) [SIP]:**

ACTION AFTER RESET

Operational Mode (default)

Emergency Telephone Mode

- **When KIND = SIP-MG:**

Reset Type (Available since FP95-113 V3)

MG:

Reboots the MG-SIP. **Note 19**

PATH (Reset Manually Select):

Initializes information about paths manually selected with the check boxes.

PATH (Reset Automatically Select):

Initializes information about paths automatically selected by the system. The target paths are determined based on the data retrieved with the GET button and displayed with their check box selected.

Note 19: When you reboot an MG(SIP) with this option, the MG Based Call Retention feature does not work. Do not use the option if there is a channel busy with a call.

List of Path Data **Note 20**

Note 20: Available only when Reset Type = PATH (Reset Manually Select) or PATH (Reset Automatically Select).

#: Index of Path Data [1-32]

Select the check box of the index of path data to be reset.

Path ID: Identification Number of Path [1-255]

RT: External Route Number

LGRT: Logical Route Number (display only)

TK: Trunk Number [1-255]

CH: Number of Channels [1-128]

IP Ver: IP Address Version

IPv4

GW IP: Remote Gateway IP Address [0.0.0.1 - 255.255.255.254]

GW PORT: Remote Gateway Port Number [1024-65535]

FLT: Gateway Fault Detection Capability

Invalid

Valid

RESULT: Processed Result

4. Data sheet

[illegible]

[illegible]

Note 1: You can select multiple types.

[illegible]

[illegible]

[illegible]

AMGVL: Assignment of Media Gateway Voice Control Data for LDM

1. General

This command assigns and deletes the voice control data when connecting to the MG (Media Gateway).

2. Precautions

1. Setting of PAD and Echo Canceler should be performed in APAD or ARTD command.
2. For PAD value setting of the IP device supporting PAD/EC Control IP/PHC Support feature, use APDIL command instead of this command.

3. Parameters

A RT (Storing MG): Route Number A [1-254]

Assign the Physical Route Number of Virtual Speech Channel on which MG is stored. Information of connection can be registered with following parameter.

TYPE

Select one of the followings:

- Route Specified
- Location ID Specified

B RT (Storing MG): RT to RT [1-254]

This parameter is available only when TYPE = Route Specified is selected. Choose this in the case of tandem connection between MG. Assign the Physical Route Number of Virtual Speech Channel.

B LOC-ID: RT to Location ID [0-4095]

This parameter is available only when TYPE = Location ID Specified is selected. Assign the Location ID to which the designating IP station belongs.

Setting of Jitter Buffer

When setting the Jitter Buffer, click this check box.

JB_MIN/JB_MAX: Jitter Buffer Min/Max [10ms×n (n=0-30)]

This parameter is available only when the check box of “Setting of Jitter Buffer” is ON. Enter the value within the range 0-30. Do not set the larger value in JB_MIN than JB_MAX.

Setting Type of Voice Packet Service

Click this check box when data setting for ToS (Type of Service) field is required.

IP PRECEDENCE/DIFFSERV

Select IP PRECEDENCE or DIFFSERV.

Priority (PRECEDENCE /DSCP)

(a) When IP PRECEDENCE is selected:

Specify the priority in the range 0-7 (low-high).

Select a type that you want to take priority and click the check box. You can select from four types. You can select multiple types.

Low Delay

Click the check box to set Low delay to ON.

Through Put

Click the check box to set high Throughput to ON.

Reliability

Click the check box to set High Reliability to ON.

Min Cost

Click the check box to set Cost Precedence to ON.

(b) When DIFFSERV is selected:

Specify the priority in the range 0-63.

Setting of Payload

Click this check box when data setting for Payload is required. When the check box remains OFF, the default value is to be applied.

Payload Information

This parameter is available only when the check box of “Setting of Payload” is ON. Specify the Payload Type and Payload Size in the order priority 1-4 (PRI1 through PRI4).

TYPE

Select the Payload Type in the combo box for PRI1 through PRI4.

- No Data
- G.711
- G.729.a
- G.723.1 (5.3K -> 6.3K)
- G.723.1 (6.3K -> 5.3K)

SIZE

Select the Payload Size in the combo box for PRI1 through PRI4.

- No Data
- 10ms
- 20ms
- 30ms
- 40ms
- 60ms

Note:

- If payload type “G.711” is specified to more than 2 priorities in PRI1 through PRI4, assign different payload size to each priority.
- It is not necessary to assign the payload type/size to the whole priorities. Specifying just the 1st priority is allowed.
- For available payload type/payload size, refer to Peripheral Equipment Description, Volume 1, Chapter 2, “3.1.1 Bandwidth Required for Voice Traffic.”

Setting of PAD

Click this check box when setting data for PAD value of MG.

PAD Information

This parameter is available only when the check box of “Setting of PAD” is ON.

No

The meaning of each number is as follows:

- No = 1: The PAD value of MG when DtermIP/Softphone/INASET is connected
- No = 2: The PAD value of MG when Analog MC/Digital MC is connected
- No = 3: The PAD value of MG when IPPAD is connected
- No = 4: The PAD value of MG when MG is connected

Setting of Detail

Select “Setting” or “Not setting” for each numbers. When specifying detail PAD value, select “Setting”. If not, select “Not setting”.

KIND: PAD value [0-15]

This parameter is available only when “Not Setting” is selected for “Setting of Detail”.

Note: For No = 2, only 0-3 can be assigned.

SEND: The PAD value of sending side [-128 - 127]

This parameter is available only when “Setting” is selected for “Setting of Detail”.

RECV: The PAD value of receiving side [-128 - 127]

This parameter is available only when “Setting” is selected for “Setting of Detail”.

Note: It is required to assign the same PAD value as that of the MG side. For details on the setting of the PAD value, contact the maintenance personnel.

Setting of Echo Cancellor

Click this check box for the setting of Echo Cancellor.

EC TYPE

This parameter is available only when the check box of “Setting of Echo Cancellor” is ON. Select either of the radio buttons for specifying the type of Echo Cancellor.

Note: Setting of Echo Cancellor is determined by both the setting of this parameter and the DIP switch (SW12-5) setting of IPPAD circuit card. For more details, refer to Circuit Card Description.

- A EC-ON/ B EC-OFF **Note 3**
- A EC-OFF/ B EC-ON **Note 3**
- A EC-OFF/ B EC-OFF

Note 3: When A RT(Storing MG) and B RT (Storing MG) are the same value, these buttons can not be selected.

4. Data Sheet

A RT (Storing MG)

[illegible]

[illegible]

Note 1: You can select multiple types.

[illegible]

AMGYN: Assignment of Media Gateway Voice Control Data for NDM

1. General

This command assigns and deletes the voice control data when connecting to the MG (Media Gateway).

2. Precautions

1. Setting of PAD and Echo Canceler should be performed in APADN or ARTDN command.
2. For PAD value setting of the IP device supporting PAD/EC Control IP/PHC Support feature, use APDIL command instead of this command.

3. Parameters

A LGRT (Storing MG): Logical Route Number A [1-899]

Assign the Logical Route Number of Virtual Speech Channel on which MG is stored. Information of connection can be registered with following parameter.

TYPE

Select one of the followings:

- Route Specified
- Location ID Specified

B LGRT (Storing MG): LGRT to LGRT [1-899]

This parameter is available only when TYPE = Route Specified is selected. Choose this in the case of tandem connection between MG. Assign the Logical Route Number of Virtual Speech Channel.

B FPC: LGRT to Fusion Point Location ID [1-253]

This parameter is available only when TYPE = Location ID Specified is selected. Assign the Fusion Point Code to which the designating IP station belongs.

B LOC-ID: RT to Location ID [0-4095]

This parameter is available only when TYPE = Location ID Specified is selected. Assign the Location ID to which the designating IP station belongs.

Setting of Jitter Buffer

When setting the Jitter Buffer, click this check box.

JB_MIN/JB_MAX: Jitter Buffer Min/Max [10ms×n (n=0-30)]

This parameter is available only when the check box of “Setting of Jitter Buffer” is ON. Enter the value within the range 0-30. Do not set the larger value in JB_MIN than JB_MAX.

Setting Type of Voice Packet Service

Click this check box to on when data setting for ToS (Type of Service) field is required.

IP PRECEDENCE/DIFFSERV

Select IP PRECEDENCE or DIFFSERV.

Priority (PRECEDENCE /DSCP)

(a) When IP PRECEDENCE is selected:

Specify the priority in the range 0-7 (low-high).

Select a type that you want to take priority and click the check box. You can select from four types. You can select multiple types.

Low Delay

Click the check box to set Low delay to ON.

Through Put

Click the check box to set high Throughput to ON.

Reliability

Click the check box to set High Reliability to ON.

Min Cost

Click the check box to set Cost Precedence to ON.

(b) When DIFFSERV is selected:

Specify the priority in the range 0-63.

Setting of Payload

Click this check box to ON when data setting for Payload is required. Specify the Payload Type and Payload Size in the order priority 1-4 (PRI through PRI 4). When the check box remains OFF, the default value is to be applied.

Payload Information

This parameter is available only when the check box of “Setting of Payload” is ON. Specify the Payload Type and Payload Size in the order priority 1-4 (PRI1 through PRI4).

TYPE

Select the Payload Type in the combo box for PRI1 through PRI4.

- No Data

- G.711
- G.729.a
- G.723.1 (5.3K -> 6.3K)
- G.723.1 (6.3K -> 5.3K)

SIZE

Select the Payload Size in the combo box for PRI1 through PRI4.

- No Data
- 10ms
- 20ms
- 30ms
- 40ms
- 60ms

Note:

- If payload type “G.711” is specified to more than 2 priorities in PRI1 through PRI4, assign different payload size to each priority.
- It is not necessary to assign the payload type/size to the whole priorities. Specifying just the 1st priority is allowed.
- For available payload type/payload size, refer to Peripheral Equipment Description, Volume 1, Chapter 2, “3.1.1 Bandwidth Required for Voice Traffic.”

PAD Information

This parameter is available only when the check box of “Setting of PAD” is ON.

No

The meaning of each number is as follows:

- 1: The PAD value of MG when DtermIP/Softphone/INASET is connected
- 2: The PAD value of MG when Analog MC/Digital MC is connected
- 3: The PAD value of MG when IPPAD is connected
- 4: The PAD value of MG when MG is connected

Setting of Detail

Select “Setting” or “Not setting” for each numbers. When specifying detail PAD value, select “Setting”. If not, select “Not setting”.

KIND: PAD value [0-15]

This parameter is available only when “Not Setting” is selected for “Setting of Detail”.

SEND: The PAD value of sending side [-128 - 127]

This parameter is available only when “Setting” is selected for “Setting of Detail”.

RECV: The PAD value of receiving side [-128 - 127]

This parameter is available only when “Setting” is selected for “Setting of Detail”.

Note: It is required to assign the same PAD value as that of the MG side. For details on the setting of the PAD value, contact the maintenance personnel.

Setting of Echo Cancellor

Click this check box for the setting of Echo Cancellor.

EC TYPE

Note: Setting of Echo Cancellor is determined by both the setting of this parameter and the DIP switch (SW12-5) setting of IPPAD circuit card. For more details, refer to Circuit Card Description.

- A EC-ON/ B EC-OFF **Note 1**
- A EC-OFF/ B EC-ON **Note 1**
- A EC-OFF/ B EC-OFF

Note 1: When A RT(Storing MG) and B RT (Storing MG) are the same value, these buttons can not be selected.

4. Data Sheet

A LGRT (Storing MG)

[illegible]

[illegible]

Note 1: You can select multiple types.

[illegible]

AMKD: Assignment of Trunk Line Appearance Key Data

1. General

This command assigns the station number and service type data for Trunk Line Appearance-D using MC-COT/MC&MG-COT.

2. Precautions

1. Note that the parameters below should be assigned when DtermIP is used as Trunk Line Appearance-D station.
 - Assign KYN=1 (TRUNK LINE APPEARANCE -D Feature Key Number)
 - Assign MTN=0 (TRUNK LINE APPEARANCE-D Number)
 - KYI=1 is only available
2. The following features are not available when DtermIP is used as Trunk Line Appearance-D station.
 - SPEAKER key operation
 - ANSWER key operation (for incoming call)
 - ANSWER key operation (for ringing incoming call)
3. Be sure to assign Virtual Line (TEC=18) to Trunk Line Appearance-D station.

3. Parameters

TN: Tenant Number [1-63]

STN: Station number of Trunk Line Appearance-D

Specify the station number of a DtermIP station to be used as Trunk Line Appearance-D station.

KYN: Trunk Line Appearance-D Key Number

Always assign "1."

MTN: Trunk Line Appearance-D Number

Always assign "0."

KYI: Service index [1-3]

Assign KYI=1 for Trunk Line Appearance-D using MC-COT/MC&MG-COT.

- 1 = C.O. trunk
- 2 = Specified station (to call the specified station)
- 3 = Trunk Answer from Any Station (Not used)

RT: Route Number [1-255]

Required to assign when KYN=1 is selected.

Enter the incoming route of C.O. line to be used for Trunk Line Appearance-D.

TK: Trunk Number [1-255]

Required to assign when KYN=1 is selected.

Enter the Trunk Number of C.O. line to be used for Trunk Line Appearance-D.

TN: Tenant Number [1-63]

Not used (required when KYI=2 is selected).

STN: Station number

Not used (required when KYI=2 is selected).

SIDA: Service Index A for Trunk Answer from Any Station (TAS) [1-31]

Not used (required when KYI=3 is selected).

4. Data Sheet

When KYI=1 (C.O. trunk) is selected for Trunk Line Appearance:

TENANT NUMBER (TN) 1-63	STATION NUMBER (STN)	TRUNK LINE APPEARANCE KEY NUMBER (KYN)	TRUNK LINE APPEARANCE NUMBER (MTN)	SERVICE INDEX (KYI) 1-3	ROUTE NUMBER (RT) 1-255	TRUNK NUMBER (TN) 1-255	REMARKS
		1	0	1			

AMND: Assignment of Maximum Necessary Digits Data

1. General

This command assigns the number of necessary digits received by the Register (ORT/IRT) circuit.

2. Precautions

1. When the dialed number for the outgoing call is started, as assigned by the DC parameter, and the digits specified by the MND parameter have been dialed, the following happen simultaneously.

(a) The SND circuit starts to transmit the number information to the external trunk route.

(b) The Originating Register (ORT) circuit is released.

If the originating party dials more digits after the MND, and the data in the ASYD command is SYS1, Index 43, b7=1, the call is restricted.

2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b6=1), assign the TN parameter as data "1" for all tenants.
3. If the Authorization Code service is used, split tenants using the ASYD command. (SYS1, Index 93, b6=0)
4. For the Authorization Code service feature, enter the following:

TN = 0 (Tenant number zero)

DC = Enter the first digit of the Authorization Code (assigned by the AATC command).

MND = Enter the number of Authorization Code digits + Check Sum two digits (if the checksum method is applied by the ASYD command, SYS1, Index 12 -14)

3. Data Entry Instructions

TN: Tenant Number

Enter the tenant number of the necessary digits data to be applied.

DC: Destination Code [Maximum 10 digits]

Enter the Access Code + Area/Office Code (or its element) to be specified the necessary digits.

MND: Maximum Necessary Digits [1-24]

Enter desired maximum necessary digits.

TOLL: Toll Code Identification

TOLL CODE IDENTIFICATION may be used for SMDR.

- Local Code
- Toll Code

AN: Account Number

Choose whether to use Account Code.

- Out of service
- Account Code

RATE: Index Number for Billing

Always enter “0” at RATE parameter.

This parameter is used for Japan only.

A/D: Analog/Digital Line Data

Choose the type of the destination party.

- Analog
- Digital

4. Data Sheet

TENANT NUMBER (TN)	DESTINATION CODE (DC) MAXIMUM 10 DIGITS	MAXIMUM NECESSARY DIGITS (MND) 1 - 24	TOLL CODE IDENTIFICATION (TOLL) Local Code/Toll Code	ACCOUNT NUMBER (AN) Out of ser- vice/Account Code	INDEX NUM- BER FOR BILLING INDEX (RATE)	ANALOG/ DIGITAL LINE DATA (A/D) Analog/Digital
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	

AMNDL: Assignment of Maximum Necessary Digits Data for LDM

1. General

This command is used to determine necessary maximum data for MA-ID and Office Data, which is referred to in using Least Cost Routing for MG-PRI.

2. Precautions

1. Least Cost Routing for MG-PRI is valid only for FCCS network.
2. Least Cost Routing for MG-PRI uses and supports LCR/LCRS. (OGC/OGCA are not supported.)
3. When registering the number of digits for the ID Code, it is necessary to assign 0 to the TN parameter.
4. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 801, b1=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number [0-63]

Enter the Tenant Number of the necessary digits data to be applied.

DC: Destination Code [Maximum 10 Digits]

Enter the Access Code + Area/Office Code (or its element) to be specified the necessary digits.

MA-ID is used: [ON/OFF]

ON (check): MA-ID Pattern is used (Enter an MA-ID in the range 0-9999.)

OFF (uncheck): MA-ID Pattern is not used.

MA-ID: Message Area ID [4 digits (0-9999)]

After marking the above check box, enter desired MA-ID if necessary.

AREA NAME: [Maximum 16 digits]

By entering the above MA-ID parameter, the corresponding Area Name assigned by AMAIL or AMAIN is displayed.

MND: Maximum Necessary Digits [1-32]

Enter desired maximum necessary digits.

TOLL: Toll Code Identification

TOLL CODE IDENTIFICATION may be used for SMDR.

- Local Code
- Toll Code

AN: Account Number

Choose whether to use Account Code.

- Out of service
- Account Code

RATE: Index Number for Billing

Always enter “0” at RATE parameter.

This parameter is used only for Japan.

A/D: Analog/Digital Line Data

Choose the type of the destination party.

- Analog
- Digital

4. Data Sheet

[illegible]

[illegible]

AMNDN: Assignment of Maximum Necessary Digits Data for NDM

1. General

This command is used to determine necessary maximum data for MA-ID and Office Data, which is referred to in using Least Cost Routing for MG-PRI.

2. Precautions

1. Least Cost Routing for MG-PRI is valid only for FCCS network.
2. Least Cost Routing for MG-PRI uses and supports LCR/LCRS. (OGC/OGCA are not supported.)
3. When registering the number of digits for the ID Code, it is necessary to assign 0 to the TN parameter.
4. If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b1=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number [0-63]

Enter the Tenant Number of the necessary digits data to be applied.

DC: Destination Code [Maximum 10 Digits]

Enter the Access Code + Area/Office Code (or its element) to be specified the necessary digits.

MA-ID is used: [ON/OFF]

ON (check): MA-ID Pattern is used (Enter an MA-ID in the range 0-9999.)

OFF (uncheck): MA-ID Pattern is not used.

MA-ID: Message Area ID [4 digits (0-9999)]

After marking the above check box, enter desired MA-ID if necessary.

AREA NAME: [Maximum 16 digits]

By entering the above MA-ID parameter, the corresponding Area Name assigned by AMAIL or AMAIN is displayed.

MND: Maximum Necessary Digits [1-32]

Enter desired maximum necessary digits.

TOLL: Toll Code Identification

TOLL CODE IDENTIFICATION may be used for SMDR.

- Local Code
- Toll Code

AN: Account Number

Choose whether to use Account Code.

- Out of service
- Account Code

RATE: Index Number for Billing

Always enter “0” at RATE parameter.

This parameter is used only for Japan.

A/D: Analog/Digital Line Data

Choose the type of the destination party.

- Analog
- Digital

4. Data Sheet

[illegible]

[illegible]

AMNO: Assignment of Monitor Number

1. General

AMNO is used to assign monitored numbers in the Node database. The numbers programmed in AMNO will also be programmed in ACDPLT (the ACD database). The monitored numbers programmed in AMNO are the entry points for pilot numbers into the ACD system.

Note: Monitor Numbers are also used for OAI applications.

2. Precautions

1. When the Monitor Number (MNO) is deleted, delete the Pilot Number in ACDPLT prior to this command.
2. As NMI value, use a different value for each MON assigned.
3. When UCD=1 is programmed in this command, UCD service should be programmed beforehand.
4. When Physical Station Number Calling Restriction is activated by the system data setting (ASYDL/ASYDN command, SYS1, Index 1144, b0=1), Monitor Number (MNO) set by AMNO command cannot be used. Monitor Number (MNO) needs to be set by AMNOL/AMNON commands.

3. Data Entry Instructions

ADM/GST: Administration/Guest Station

Enter ADM or GST to select the Station Type of Hotel System.

1. Administration Station
2. Guest Station

Note: This parameter appears only when used in Hotel system. Do not assign "2. Guest Station."

TN: Tenant Number

MNO: Monitor Number

The number is the same as the pilot number assigned in ACDPLT and must match the numbering plan of the Node (unify the number of digits).

[For ACD system]

2 to 6 digits are allowed for the number of digits in Monitor Number. Numbers 0 to 9 may be used.

* or # may not be used. 1st DC="0" may not be used either.

Note: ACD System does not function when a one-digit number is assigned.

[For OAI System]

2 to 6 digits are allowed for the number of digits in Monitor Number. Numbers 0 to 9, *, and # may be used.

NMI: Monitor Number Index [1-4095]

Each monitored number must be assigned to different Monitor Number Index. “0” cannot be assigned as the first digit of the monitored number.

Follow the UCD when Monitor Status is not Requested from AP

Click the check box to follow the UCD when monitor status is not requested from AP.

Check=ON (Follow)

No check=OFF (Not follow)

STN: UCD Pilot station number [Maximum five digits]

This parameter is available when UCD=1 only.

Note: When C.O. trunk is used for UCD control station, UCD pilot station number should be programmed in ACSI in advance.

MFC: G-2 signal data for MFC [0-3]

0=ASFC, SFI59=0 and SFI60=0

1=ASFC, SFI59=1 and SFI60=0

2=ASFC, SFI59=0 and SFI60=1

3=ASFC, SFI59=1 and SFI60=1

Note: This parameter is valid for Asia, Latin America, Middle East, and Russia.

4. Data Sheet

[illegible]

AMNOL: Assignment of Monitor Number for LDM

1. General

AMNOL is used to assign monitored numbers in the Node database. The numbers programmed in AMNOL will also be programmed in ACDPLT (the ACD database). The monitored numbers programmed in AMNOL are the entry points for pilot numbers into the ACD service activated over FCCS. The monitored number programmed in AMNOL is available for the self-node only.

Note: Monitor Numbers are also used for OAI applications.

2. Precautions

1. Prior to this command, Telephone Number of the Monitor Number should be programmed in ALGNL.
2. When the Monitor Number (L_MNO) is deleted, delete the ACD Pilot Number in ACDPLT prior to this command.

3. Data Entry Instructions

ADM/GST: Administration/Guest Station

Enter ADM or GST to select the Station Type of Hotel System.

1. Administration Station
2. Guest Station

Note: This parameter appears only when used in Hotel system. Do not assign “2. Guest Station.”

UGN: User Group Number [1-255]

L_MNO: Local Monitor Number

The number is the same as the pilot number assigned in ACDPLT and must match the numbering plan of the Node.

<For ACD System>

2 to 6 digits are allowed for the number of digits in Local Monitor Number. Numbers 0 to 9 may be used.

Note 1

* or # may not be used. 1st DC= “0” may not be used either. **Note 2**

Note 1: ACD System does not function when a one-digit number is assigned.

Note 2: The number of digits for each Local Monitor Number must be the same.

<For OAI System>

Up to 16 digits are allowed for the number of digits in Local Monitor Number. Numbers 0 to 9, *, and # may be used. **Note 3**

Note 3: The number of digits for each Local Monitor Number must be the same.

L_NMI: Local Monitor Number Index [1-48000]

Each Monitor Number must be assigned to different Monitor Number Index. “0” cannot be assigned as the first digit of the Monitor Number.

Follow the UCD when Monitor Status is not Requested from AP

Click the check box to follow the UCD when monitor status is not requested from AP.

Check=ON (Follow)

No check=OFF (Not follow)

TELN: UCD Pilot Telephone Number [Maximum 6 digits]

This parameter is available only when UCD is ON.

Note: When C.O. trunk is used for UCD control station, UCD pilot station number should be programmed in ACSIL in advance.

MFC: G-2 Signal Data for MFC [0-3]

0=ASFC, SFI59=0 and SFI60=0

1=ASFC, SFI59=1 and SFI60=0

2=ASFC, SFI59=0 and SFI60=1

3=ASFC, SFI59=1 and SFI60=1

Note: This parameter is valid for Asia, Latin America, Middle East, and Russia.

4. Data Sheet

[illegible]

AMNON: Assignment of Monitor Number for NDM

1. General

AMNON is used to assign monitored numbers in the Node database. The numbers programmed in AMNON will also be programmed in ACDPLT (the ACD database). The monitored numbers programmed in AMNON are the entry points for pilot numbers into the ACD service activated over FCCS. The monitored number programmed in AMNON is available for all nodes within the FCCS Network.

Note: Monitor Numbers are also used for OAI applications.

2. Precautions

1. Prior to this command, Telephone Number of the Monitor Number should be programmed in ALGNN.
2. When the Monitor Number (N_MNO) is deleted, delete the ACD Pilot Number in ACDPLT prior to this command.
3. If the box “Follow the UCD when monitor status is not requested from AP” is checked, UCD service for the FCCS Network should be programmed beforehand.

3. Data Entry Instructions

ADM/GST: Administration/Guest Station

Enter ADM or GST to select the Station Type of Hotel System.

1. Administration Station
2. Guest Station

Note: This parameter appears only when used in Hotel system. Do not assign “2. Guest Station.”

UGN: User Group Number [1-255]

N_MNO: Network Monitor Number

The number is the same as the Pilot Number assigned in ACDPLT and must match the numbering plan of the Node.

<For ACD System>

2 to 6 digits are allowed for the number of digits in Network Monitor Number. Numbers 0 to 9 may be used.

Note 1

* or # may not be used. 1st DC= “0” may not be used either. **Note 2**

Note 1: ACD System does not function when a one-digit number is assigned.

Note 2: The number of digits for each Network Monitor Number must be the same.

<For OAI System>

Up to 16 digits are allowed for the number of digits in Network Monitor Number. Numbers 0 to 9, *, and # may be used. **Note 3**

Note 3: The number of digits for each Network Monitor Number must be the same.

N_NMI: Network Monitor Number Index [1-48000]

Each Monitor Number must be assigned to different Monitor Number Index. “0” can not be assigned at the first digit of the Monitor Number.

Follow the UCD when Monitor Status is not Requested from AP

Click the check box to follow the UCD when monitor status is not requested from AP.

Check=ON (Follow)

No check=OFF (Not follow)

TELN: UCD Pilot Telephone Number [Maximum 6 digits]

This parameter is available only when UCD is ON.

Note: When C.O. trunk is used for UCD control station, UCD pilot station number should be programmed in ACSIL in advance.

MFC: G-2 Signal Data for MFC [0-3]

0=ASFC, SFI59=0 and SFI60=0

1=ASFC, SFI59=1 and SFI60=0

2=ASFC, SFI59=0 and SFI60=1

3=ASFC, SFI59=1 and SFI60=1

Note: This parameter is valid for Asia, Latin America, Middle East, and Russia.

4. Data Sheet

[illegible]

AMSGL: Assignment of Message Information Element for LDM

1. General

This command determines message information element for LDM.

2. Precautions

None.

3. Data Entry Instructions

TDPTN: Time of Day Change Pattern Number [0~7]

Enter TDPTN assigned by the AOPRL command.

OPR: Outgoing Route Selection Pattern Number [0~4000]

Enter OPR assigned by the AOPRL command.

RA: Route Advancing Order [0~7]

Enter RA assigned by the AOPRL command.

NPI: Numbering Plan Identification [0~15]

Specify a type of Numbering Plans.

0=Unknown
1=ISDN/Telephony Numbering Plan (E.164)
3=Data Numbering Plan (X.121)
4=Telex Numbering Plan (F.69)
8=National Standard Numbering Plan
9=Private Numbering Plan
10=NPI-C
11=NPI-S (**Not used**)

TON: Type of Number [0~7]

Specify a type of numbers.

0=Unknown
1=International Number
2=National Number
3=Network Specific Number
4=Subscriber Number
6=Abbreviated Number

4. Data Sheet

TDPTN 0-7	OPR 0-4000	RA 0-7	NPI 0-15	TON 0-7	REMARKS
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			

AMSGN: Assignment of Message Information Element for NDM

1. General

This command determines message information element for NDM.

2. Precautions

None.

3. Data Entry Instructions

TDPTN: Time of Day Change Pattern Number [0~7]

Enter TDPTN assigned by the AOPRN command.

OPR: Outgoing Route Selection Pattern Number [0~4000]

Enter OPR assigned by the AOPRN command.

RA: Route Advancing Order [0~7]

Enter RA assigned by the AOPRN command.

NPI: Numbering Plan Identification [0~15]

Specify a type of Numbering Plans.

0=Unknown
1=ISDN/Telephony Numbering Plan (E.164)
3=Data Numbering Plan (X.121)
4=Telex Numbering Plan (F.69)
8=National Standard Numbering Plan
9=Private Numbering Plan
10=NPI-C
11=NPI-S (**Not used**)

TON: Type of Number [0~7]

Specify a type of numbers.

0=Unknown
1=International Number
2=National Number
3=Network Specific Number
4=Subscriber Number
6=Abbreviated Number

4. Data Sheet

TDPTN 0-7	OPR 0-4000	RA 0-7	NPI 0-15	TON 0-7	REMARKS
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			

AMWF: Assignment of Message Waiting Remote FPC for LDM

1. General

This command assigns the Fusion Point Code (FPC) of Remote nodes in the FCCS Network for Message Waiting control.

2. Precautions

This data is necessary at the center node having Message Center Interface.

3. Data Entry Instructions

CNT: Remote FPC Assignment Number [0-252]

REMOTE FPC: Remote FPC for Message Waiting Function Control [1-253]

Enter FPC of Remote node to each CNT.

CENTER FPC: FPC of Self Node [1-253]

This parameter is for display only.

4. Data Sheet

[illegible]

ANCD: Assignment of Night Connection Data

1. General

This command is used when the Power Failure Transfer (PFT) circuit card is controlled by the external key.

2. Precautions

1. When the PFT control by the external key is required, the following data assignments are needed:
 - (a) AUNT command, TYPE=2 (PFT)
 - (b) AEKD command
 - (c) ANCD command
 - (d) ACSI command, CSI=4 (Direct-In Termination (Night Mode))

3. Data Entry Instructions

MG: Module Group Number [00-31]

Enter the data assigned by the AUNT command.

NCU PKG: PFT Card Number [0-3]

Enter the data assigned by the AUNT command.

PORT: Port Number of PFT Card [0-11]

The port parameter corresponds to the circuit number of the PFT card.

RT: Route Number [1-255]

Enter the trunk Route Number (RT) and the Trunk Number (TK) connected to the corresponding circuit number of PFT card.

TK: Trunk Number [1-255]

Enter the trunk Route Number (RT) and the Trunk Number (TK) connected to the corresponding circuit number of PFT card.

4. Data Sheet

MODULE GROUP NUMBER (MG) 00 - 31	PFT CARD NUMBER (NCU PKG) 0 - 3	PORT NUMBER OF PFT CARD (PORT) 0 - 11	ROUTE NUMBER (RT) 1-255	TRUNK NUMBER (TK)	REMARKS
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			
		0			
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			

ANCD_LR: Assignment of Night Connection Data – Logical Route Number

1. General

This command is used when the Power Failure Transfer (PFT) circuit card is controlled by the external key. Route data of the ANCD command can be assigned by logical route number.

2. Precautions

1. Prior to this command, logical route data must be allocated by using the ALRTN command.
2. Only when logging in to the Network Control Node (NCN), this command can be used to assign the logical route data of self-Node and the other Nodes in the FCCS Network. If logging in to a Local Node (LN), data setting only for the self-node is available. (An error message is indicated if writing the data of other node.)
3. When the PFT control by the external key is required, the following data assignments are needed:
 - (a) AUNT command, TYPE=2 (PFT)
 - (b) AEKD command
 - (c) ANCD/ANCD_LR command
 - (d) ACSI command, CSI=4 (Direct-In Termination (Night Mode))

3. Data Entry Instructions

FPC: Fusion Point Code [1-253]

Enter the FPC of target Node only when logging in to the Network Control Node (NCN).

MG: Module Group Number

Enter the MG number on which PFT card is accommodated assigned by the AUNT command.

NCU PKG: PFT Card Number [0-3]

Enter the data of PFT card assigned by the AUNT command.

PORT: Port Number of PFT Card [0-11]

The port parameter corresponds to the circuit number of the PFT card.

LGRT: Logical Route Number [1-899]

Enter the Logical Route Number allocated to the external route number.

RT: Outside Route Number

Note: This parameter is read out by pressing the GET button after the parameters MG, NCU PKG and PORT are entered.

TK: Trunk Number [1-255]

Enter the trunk number connected to the corresponding Circuit Number of PFT card.

4. Data Sheet

[illegible]

ANDD: Assignment of Name Display Data

1. General

This command assigns user information (user's name) to a station for the Name Display - System service feature.

2. Precautions

1. The Name Display - System service feature allows a Desktop terminal with LCD to show the user information that corresponds to the calling station number while it is engaged in a station-to-station call.
2. The following must be set in the ASYD command SYS1, Index 78, Bit 5=1 (Name Display service).
3. The number of characters assigned to the NAME parameter is determined by ASYD command, SYS1, Index 241, Bit 1=0/1: eight characters/16 characters. Multi-Line service is not available if 16 characters are selected.
4. This command cannot be used for Name Display - OAI service.
5. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
6. Name Display data can be assigned by this command when ASYD, SYS1, Index 78, Bit 5=1 (Name Display Service is in service) and ASYD, SYS1, Index 79, Bit 6=0 (OAI/ACD Service is in service).

3. Data Entry Instructions

TN: Tenant Number

STN: Station Number

NAME: Name display information [8 or 16 characters]

Enter the desired name.

4. Data Sheet

[illegible]

ANDD_T: Assignment of Name Display Data – Telephone Number

1. General

This command is used to assign user information (user's name) to a station for the Name Display - System service feature. The station data of ANDD command can be assigned by using Telephone Number.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. If logging in to a Local Node (LN), only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. The Name Display - System service feature allows a Desktop terminal with LCD to show the user information that corresponds to the calling station number while it is engaged in a station-to-station call.
4. The ASYD command SYS1, Index 78, Bit 5=1 (Name Display service) must be set.
5. The number of characters assigned to the NAME parameter is determined by the ASYD command, SYS1, Index 241, Bit 1=0/1: eight characters/16 characters. Multi-Line service is not available if 16 characters are selected.
6. This command cannot be used for Name Display - OAI service.
7. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
8. Name Display data can be assigned by this command when ASYD, SYS1, Index 78, Bit 5=1 (Name Display Service is in service) and ASYD, SYS1, Index 79, Bit 6=0 (OAI/ACD Service is in service).

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the station to which Name Display service is applied.

Note: The existing data can be read out by pressing the GET button after UGN and TELN data are entered.

NAME: Name Display Information [Eight or 16 Characters]

Enter the desired name.

4. Data Sheet

[illegible]

ANEDL: Assignment of CLI/COL Number Edit Data for LDM

1. General

This command assigns numbering plan data for editing Calling Line Identification (CLI) and Connected Line Identification (COL) per Local Number Plan Domain (LNPD). This data is written in Local Data Memory (LDM).

2. Precautions

None

3. Data Entry Instructions

LNPD: Local Number Plan Domain [1-255]

NPI: Number Plan Identifier *Display only.

- 1. E.164
- 2. PNP
- 3. Unknown
- 4. NPI-C
- 5. NPI-S (Not used)

<When NPI = E.164>

CC: Country Code [Maximum 6 digits (0-9, *, #)]

AC: Area Code [Maximum 6 digits(0-9, *, #)]

LC: Local Code [Maximum 12 digits(0-9, *, #)]

IP: International Prefix [Maximum 6 digits(0-9, *, #)]

NP: National Prefix [Maximum 6 digits(0-9, *, #)]

TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]

TON pr.: Preferred TON [0-7]

- 0: Unknown
- 1: International
- 2: National
- 3: -

4: Subscriber

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

<When NPI = PNP>

CC: Country Code [Maximum 6 digits (0-9, *, #)]

AC: Area Code [Maximum 6 digits(0-9, *, #)]

LC: Local Code [Maximum 12 digits(0-9, *, #)]

IP: International Prefix [Maximum 6 digits(0-9, *, #)]

NP: National Prefix [Maximum 6 digits(0-9, *, #)]

TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]

TON pr.: Preferred TON [0-7]

0: Unknown

1: Level2

2: Level1

3: -

4: Local Number

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

<When NPI = Unknown>**CC: Country Code [Maximum 6 digits (0-9, *, #)]****AC: Area Code [Maximum 6 digits(0-9, *, #)]****LC: Local Code [Maximum 12 digits(0-9, *, #)]****IP: International Prefix [Maximum 6 digits(0-9, *, #)]****NP: National Prefix [Maximum 6 digits(0-9, *, #)]****TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]****TON pr.: Preferred TON [0-7]**

0: Unknown

1: International

2: National

3: -

4: Subscriber

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]**<When NPI = NPI-C>****CC: Country Code [Maximum 6 digits (0-9, *, #)]****AC: Area Code [Maximum 6 digits(0-9, *, #)]****LC: Local Code [Maximum 12 digits(0-9, *, #)]****IP: International Prefix [Maximum 6 digits(0-9, *, #)]****NP: National Prefix [Maximum 6 digits(0-9, *, #)]****TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]****TON pr.: Preferred TON [0-7]**

0: Unknown

1: Level-I

2: Level-N

3: -

4: Level-S

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

<When NPI = NPI-S> (Not used)

CC: Country Code [Maximum 6 digits (0-9, *, #)]

AC: Area Code [Maximum 6 digits(0-9, *, #)]

LC: Local Code [Maximum 12 digits(0-9, *, #)]

IP trunk: International Prefix Trunk [Maximum 6 digits(0-9, *, #, +)]

IP display: International Prefix Display [Maximum 6 digits(0-9, *, #, +)]

NP: National Prefix [Maximum 6 digits(0-9, *, #)]

TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]

TON pr.: Preferred TON [0-7]

0: Unknown

1: Level-I

2: Level-N

3: -

4: Level-S

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

4. Data Sheet

LNPD	NPI	CC	AC	LC	IP	IP trunk	IP display	NP	TAC	TON pr.	TAC dst.
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									

ANEDN: Assignment of CLI/COL Number Edit Data for NDM

1. General

This command assigns numbering plan data for editing Calling Line Identification (CLI) and Connected Line Identification (COL) per Local Number Plan Domain (LNPD). This data is written in Network Data Memory (NDM) of the Network Control Node (NCN).

2. Precautions

None

3. Data Entry Instructions

LNPD: Local Number Plan Domain [1-255]

NPI: Number Plan Identifier *Display only.

- 1. E.164
- 2. PNP
- 3. Unknown
- 4. NPI-C
- 5. NPI-S (Not used)

<When NPI = E.164>

CC: Country Code [Maximum 6 digits (0-9, *, #)]

AC: Area Code [Maximum 6 digits(0-9, *, #)]

LC: Local Code [Maximum 12 digits(0-9, *, #)]

IP: International Prefix [Maximum 6 digits(0-9, *, #)]

NP: National Prefix [Maximum 6 digits(0-9, *, #)]

TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]

TON pr.: Preferred TON [0-7]

- 0: Unknown
- 1: International
- 2: National
- 3: -

4: Subscriber

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

<When NPI = PNP>

CC: Country Code [Maximum 6 digits (0-9, *, #)]

AC: Area Code [Maximum 6 digits(0-9, *, #)]

LC: Local Code [Maximum 12 digits(0-9, *, #)]

IP: International Prefix [Maximum 6 digits(0-9, *, #)]

NP: National Prefix [Maximum 6 digits(0-9, *, #)]

TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]

TON pr.: Preferred TON [0-7]

0: Unknown

1: Level2

2: Level1

3: -

4: Local Number

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

<When NPI = Unknown>**CC: Country Code [Maximum 6 digits (0-9, *, #)]****AC: Area Code [Maximum 6 digits(0-9, *, #)]****LC: Local Code [Maximum 12 digits(0-9, *, #)]****IP: International Prefix [Maximum 6 digits(0-9, *, #)]****NP: National Prefix [Maximum 6 digits(0-9, *, #)]****TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]****TON pr.: Preferred TON [0-7]**

0: Unknown

1: International

2: National

3: -

4: Subscriber

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]**<When NPI = NPI-C>****CC: Country Code [Maximum 6 digits (0-9, *, #)]****AC: Area Code [Maximum 6 digits(0-9, *, #)]****LC: Local Code [Maximum 12 digits(0-9, *, #)]****IP: International Prefix [Maximum 6 digits(0-9, *, #)]****NP: National Prefix [Maximum 6 digits(0-9, *, #)]****TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]****TON pr.: Preferred TON [0-7]**

0: Unknown

1: Level-I

2: Level-N

3: -

4: Level-S

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

<When NPI = NPI-S> (Not used)

CC: Country Code [Maximum 6 digits (0-9, *, #)]

AC: Area Code [Maximum 6 digits(0-9, *, #)]

LC: Local Code [Maximum 12 digits(0-9, *, #)]

IP trunk: International Prefix Trunk [Maximum 6 digits(0-9, *, #, +)]

IP display: International Prefix Display [Maximum 6 digits(0-9, *, #, +)]

NP: National Prefix [Maximum 6 digits(0-9, *, #)]

TAC: Trunk Access Code [Maximum 6 digits(0-9, *, #)]

TON pr.: Preferred TON [0-7]

0: Unknown

1: Level-I

2: Level-N

3: -

4: Level-S

5-7: -

TAC dst.: Destination Determines Trunk Access Code [0-1]

4. Data Sheet

LNPD	NPI	CC	AC	LC	IP	IP trunk	IP display	NP	TAC	TON pr.	TAC dst.
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									
	E.164										
	PNP										
	Unknown										
	NPI-C										
	NPI-S	(Not used)									

ANND: Assignment of Necessary Digits Data

1. General

This command assigns the necessary number of digits for a particular trunk route.

2. Precautions

1. This command is needed when the originating call uses both OG mode and signaling as follows:
 - (a) ASPA command SRV = “OGC: Outgoing Call”/”OGCA: Outgoing Call with route advance”
 - (b) ARTD command OSGS=4/6/7 (Sender Immediate Start/Sender Delay Dial Start/Sender Wink Start)
2. When the number of the digits for an originating call specified by the NND parameter is dialed, the following occur at the same time.
 - (a) The SND circuit starts to transmit the number information to the external trunk route.
 - (b) The Originating Register (ORT) circuit is released.
3. The NND parameter assigned by this command determines the number of necessary digits received by the Originating Register (ORT) circuit.
4. The data entered in the NND parameter should include the number of digits of the trunk access code.

3. Data Entry Instructions

RT: Route Number [1-255]

The external trunk route number.

IC/OG: Incoming/Outgoing Call

- 1: Incoming Call (Not used)
- 2: Outgoing Call

NND: Number of Necessary Digits [1-24]

Enter desired number of necessary digits.

4. Data Sheet

[illegible]

ANNDL: Assignment of Necessary Digits Data for LDM

1. General

This command assigns the necessary number of digits for a particular logical trunk route.

2. Precautions

1. This command is needed when the originating call uses both OG mode and signaling as follows:
 - (a) ASPAL/ASPAN command SRV="OGC: Outgoing Call"/"OGCA: Outgoing Call with route advance"
 - (b) ARTD/ARTDN command OSGS=4/6/7 (Sender Immediate Start/Sender Delay Dial Start/Sender Wink Start)
2. When the number of the digits for an originating call specified by the NND parameter is dialed, the following occurs at the same time.
 - (a) The SND circuit starts to transmit the number information to the external trunk route.
 - (b) The Originating Register (ORT) circuit is released.
3. The NND parameter assigned by this command determines the number of necessary digits received by the Originating Register (ORT) circuit.
4. The data entered in NND parameter should include the number of digits of the trunk access code.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

The external trunk route number.

IC/OG: Incoming/Outgoing Call

- 1: Incoming Call (Not used)
- 2: Outgoing Call

NND: Number of Necessary Digits [1-24]

Enter desired number of necessary digits.

4. Data Sheet

[illegible]

ANPD: Assignment of Numbering Plan Data

1. General

This command assigns the minimum number of digits needed to determine the service required to the first digit received (pre-translation).

2. Precautions

1. This command is used for the Business Application. AANP/AGNP commands are used for Hotel Applications.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the Tenant Number this command effects. If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b2=1), assign the TN parameter as data "1" for all tenants.
3. Use the ANPD command to assign the numbering data for physical station numbers, service access code, and/or trunk access code, etc.
4. When the system has stations of mixed-digit numbering (two-digit STN, three-digit STN, etc.) with the same first digit, the Busy Lamp Field (BLF) display on Desk Consoles can only show the status of stations where the same value is provided for the Number of Necessary Digits (NND) parameter of both the ASPA and ANPD commands.

3. Data Entry Instructions

TN: Tenant Number

1stDC: 1st Digit Code [0-9,*,#]

The first digit of service access code, etc.

CI: Connection Status Index

The status of the 1stDC dialed

N: Normal Service (Idle)

H: Hooking Service

B: Busy Service

NND: Number of Necessary Digits [Maximum six digits]

The primarily analyzed digits, prior to the ASPA command.

Assign the necessary (minimum) number of digits for each Access Code.

To assign different number of digits (such as Timing Start for Telephone numbers), assign the maximum number of digits in this parameter.

BLF: Busy Lamp Field Display Activated on ATT [0/1]

Whether the station busy status is monitored by the system or not, this parameter assignment is required when the Busy Lamp Field is installed.

0: Out of service

1: In service

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT CODE (1STDC)	CONNECTION STATUS INDEX (CI)		NUMBER OF NECESSARY DIGITS (NND)	BUSY LAMP FIELD DISPLAY ACTI- VATED ON ATT (BLF)	REMARKS
	1	N	Normal			
		H	Hooking			
		B	Busy			
	2	N	Normal			
		H	Hooking			
		B	Busy			
	3	N	Normal			
		H	Hooking			
		B	Busy			
	4	N	Normal			
		H	Hooking			
		B	Busy			
	5	N	Normal			
		H	Hooking			
		B	Busy			
	6	N	Normal			
		H	Hooking			
		B	Busy			
	7	N	Normal			
		H	Hooking			
		B	Busy			
	8	N	Normal			
		H	Hooking			
		B	Busy			
	9	N	Normal			
		H	Hooking			
		B	Busy			
	0	N	Normal			
		H	Hooking			
		B	Busy			
	*	N	Normal			
		H	Hooking			
		B	Busy			
	#	N	Normal			
		H	Hooking			
		B	Busy			

ANPDL: Assignment of Numbering Plan Data for LDM

1. General

This command assigns the minimum number of digits needed to determine the service that is required to the first digit received (pre-translation).

2. Precautions

1. This command is used for the Business Application.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

Enter the Tenant Number this command effects.

If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b2=1), assign TN parameter as data "1" for all tenants.

3. Use this command to assign the numbering data for the operator call and the priority call (terminating to ATT) in the FCCS Network.
4. The numbering data for Telephone numbers may be programmed by this command. Those Telephone numbers are available in the self-node only.

Telephone numbers available within the FCCS Network are programmed at Network Control Node (NCN) using the ANPDN and ASPAN commands. For details, see the Data Programming Manual - FCCS.

5. The system data assignment (ASYDL, SYS1, Index 514, b0=1) is necessary when using the ANPDL command.

3. Data Entry Instructions

TN: Tenant Number**1stDC: 1st Digit Code [0-9,*,#]**

The first digit of service access code, etc.

CI: Connection Status Index

The status of the 1stDC dialed.

N: Normal Service (Idle)

H: Hooking Service

B: Busy Service

NND: Number of Necessary Digits [Maximum 16 digits]

The primarily analyzed digits, prior to the ASPAL command.

Assign the necessary (minimum) number of digits for each Access Code.

To assign different number of digits (such as Timing Start for logical numbers), assign maximum number of digits in this parameter.

BLF: Busy Lamp Field Display Activated on ATT [0/1]

Whether the station busy status is monitored by the system or not, this parameter assignment is required when the Busy Lamp Field is installed.

0: Out of service

1: In service

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT CODE (1STDC)	CONNECTION STATUS INDEX (CI)		NUMBER OF NECESSARY DIGITS (NND)	BUSY LAMP FIELD DISPLAY ACTI- VATED ON ATT (BLF)	REMARKS
	1	N	Normal			
		H	Hooking			
		B	Busy			
	2	N	Normal			
		H	Hooking			
		B	Busy			
	3	N	Normal			
		H	Hooking			
		B	Busy			
	4	N	Normal			
		H	Hooking			
		B	Busy			
	5	N	Normal			
		H	Hooking			
		B	Busy			
	6	N	Normal			
		H	Hooking			
		B	Busy			
	7	N	Normal			
		H	Hooking			
		B	Busy			
	8	N	Normal			
		H	Hooking			
		B	Busy			
	9	N	Normal			
		H	Hooking			
		B	Busy			
	0	N	Normal			
		H	Hooking			
		B	Busy			
	*	N	Normal			
		H	Hooking			
		B	Busy			
	#	N	Normal			
		H	Hooking			
		B	Busy			

ANPDN: Assignment of Numbering Plan Data for NDM

1. General

This command assigns the minimum number of digits needed to determine the service (Telephone Number) that is required by the first digit received (pre-translation). The data assigned with this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command is used for the Business Application.
2. The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8.

If the numbering plan is common for all tenants (ASYDN, SYS1, Index 800, b2=1), assign TN parameter as “1” for all tenants.
3. The system data assignment (ASYDN, SYS1, Index 514, b1=1) is needed to provide the Network Data Memory (NDM).
4. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

TN: Tenant Number

1stDC: 1st Digit Code [0-9, *, #]

The first digit of access code for Telephone Number.

CI: Connection Status Index

The status of the 1stDC dialed.

N: Normal Service (Idle)

H: Hooking Service

B: Busy Service

NND: Number of Necessary Digits [Maximum 16 digits]

The first digits analyzed, prior to the ASPAN command to assign different number of digits for this, assign the minimum number of digits in this parameter.

BLF: Busy Lamp Field Display Activated on ATT [0/1]

Not used. (Fixed to “0”)

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT CODE (1STDC)	CONNECTION STATUS INDEX (CI) N/H/B		NUMBER OF NECESSARY DIGITS (NND) MAXIMUM 16 DIGITS	BUSY LAMP FIELD DISPLAY ACTIVATED ON ATT (BLF)	REMARKS
	1	N	Normal			
		H	Hooking			
		B	Busy			
	2	N	Normal			
		H	Hooking			
		B	Busy			
	3	N	Normal			
		H	Hooking			
		B	Busy			
	4	N	Normal			
		H	Hooking			
		B	Busy			
	5	N	Normal			
		H	Hooking			
		B	Busy			
	6	N	Normal			
		H	Hooking			
		B	Busy			
	7	N	Normal			
		H	Hooking			
		B	Busy			
	8	N	Normal			
		H	Hooking			
		B	Busy			
	9	N	Normal			
		H	Hooking			
		B	Busy			
	0	N	Normal			
		H	Hooking			
		B	Busy			
	*	N	Normal			
		H	Hooking			
		B	Busy			
	#	N	Normal			
		H	Hooking			
		B	Busy			

ANPT: Assignment of Numbering Data for PTT Network

1. General

This command is used to assign Numbering Data for PTT Network programming.

2. Precautions

This command is available for Asia, Latin America, Middle East, and Russia.

3. Data Entry Instructions

DC: Selection Signal Code [Maximum 32 digits]

Note: Assign the digits to transmit to the counter node.

TYPE [1-6]

- 1=Local Call
- 2=Local Special Call
- 3=Toll Operator Call
- 4=Overseas Operator Call
- 5=Toll Call
- 6=Overseas Call

KCP: KC Signal Input Position [1-32]

This parameter appears only when TYPE=5.

4. Data Sheet

[illegible]

ANSDL: Assignment of Number Sharing Data for LDM

1. General

This command assigns and deletes main station and sub-station data for Number Sharing service and Dual Station Call.

2. Precautions

This command is used for the Local Node.

3. Data Entry Instructions

M-UGN: Main User Group Number

M-TELN: Main Telephone Number [Maximum 16 digits]

S-UGN: Sub User Group Number

S-TELN: Sub Telephone Number [Maximum 16 digits]

OD: Output External Equipment [0/1]

0=Only Main Telephone Number is used for SMDR and MCI Mail Box numbers.

1=Both Main Telephone Number and Sub Telephone Number are used for SMDR and MCI and VPS Mail Box numbers.

Note: When this parameter is set to "0", the mail box for sub-station is not required.

MW: Message Waiting Control [0/1]

0=Message Waiting Control for Main and Sub Telephone Numbers

1=Message Waiting Control for Main Telephone Number only

LM: Service Specification [0/1]

0=Number Sharing

1=Dual Station Call

INDEX: Telephone Equipment number [1-65535]

4. Data Sheet

(a) Number Sharing Data Assignment Sheet

[illegible]

(a) Number Sharing Data Assignment Sheet (Continued)

[illegible]

ANSDN: Assignment of Number Sharing Data for NDM

1. General

This command assigns and deletes main station and sub-station data for Number Sharing service and Dual Station Call service.

2. Precautions

This command is used for the Network Control Node.

3. Data Entry Instructions

M-UGN: Main User Group Number

M-TELN: Main Telephone Number [Maximum 16 digits]

S-UGN: Sub User Group Number

S-TELN: Sub Telephone Number [Maximum 16 digits]

OD: Output External Equipment [0/1]

0=Only Main Telephone Number is used for SMDR and MCI Mail Box numbers.

1=Both Main Telephone Number and Sub Telephone Number are used for SMDR and MCI and VPS Mail Box numbers.

Note: When this parameter is set to "0", the mail box for sub-station is not required.

MW: Message Waiting Control [0/1]

0=Message Waiting Control for Main and Sub Telephone Numbers

1=Message Waiting Control for Main Telephone Number only

LM: Service Specification [0/1]

0=Number Sharing

1=Dual Station Call

INDEX: Telephone Equipment Number [1-65535]

4. Data Sheet

(a) Number Sharing Data Assignment Sheet

[illegible]

(a) Number Sharing Data Assignment Sheet (Continued)

[illegible]

ANTI: Assignment of Node Number/Terminal Number for IP

1. General

This command assigns the Node Number to the whole nodes within the network. Node numbers are allocated to the Fusion Point Code (FPC) in the FCCS Network or Point Code (PC) in the CCIS Network of every node.

2. Precautions

None

3. Data Entry Instructions

NODE: Node Number [Maximum three digits (0-9, *, #, P)]

Allocate the unique Node Number to the whole nodes within the network.

FPC: Fusion Point Code for FCCS [1-253]

Enter the Fusion Point Code (FPC) for FCCS Networking via IP service.

PC: Point Code for CCIS [1-16383]

Enter the Point Code (PC) for CCIS Networking via IP service.

NUMBER: Station/Terminal Number

4. Data Sheet

[illegible]

ANTPL: Assignment of SNTP data for LDM

1. General

This command assigns the start time for time-synchronization (SNTP) service, and domain name or IP address of the SNTP server.

2. Precautions

1. When assigning domain name, DNS setting by ADTM command is required.
2. During Daylight-Saving Time (specified by ATIM), clock is set one hour ahead of the time from the SNTP server.
3. If leaving the Setting of Start Time check box off, time-synchronization (SNTP) service must be activated manually.
4. Activation of SNTP service is limited to once a day. Thus, if ANTPL command is used to change the start time for SNTP service after SNTP service is already active for that day, the change takes effect from the following day. Activate the SNTP service manually by pressing the Execute button when wishing to activate immediately.

Example:

- 1) Existing start time for SNTP service is 01:00.
 - 2) At 03:00, ANTPL command is used to change the start time from 01:00 to 05:00.
 - 3) The next start time for SNTP service is 05:00 the following day.
5. Do not use this command with a UMGi node using Prepackaged Server Model.

3. Data Entry Instructions

Setting of Start Time

OFF (Check box is cleared.)

ON (Check box is selected.)

Start Time

Enter start time for time-synchronization (SNTP) service in the range from 00:00 to 23:59.

SNTP: SNTP Sever Domain Name or IP Address [Up to 255 characters (including ".", "-")]

Enter domain name or IP address of the SNTP server.

Time Difference

Enter time-zone differences between the System and SNTP server in the range from -12:00 to +12:00.

Plus/Minus

+

-

Time Difference Value [00:00 - 12:00]

Daylight Savings Time Validity

When applying Daylight-Saving Time, place a check mark on the checkbox.

4. Data Sheet

[illegible]

AOAC: Assignment of OAI Access Code

1. General

This command is used to assign/delete the Facility Kind and the Operation Code on a basis of each service access code of the OAI System.

2. Precautions

1. When setting a minus value (less than “0”) to the parameter OP-CODE, add “-” ahead of the value. If the set value is a positive value, it is automatically interpreted a positive value even if “+” is not added ahead of the value.
2. For assigning OAI access codes, it is necessary to assign the necessary number of digits of OAI access codes by AOKC command in advance to assigning the codes.

3. Data Entry Instructions

OAI-ACC: OAI Access Codes [000-### (Maximum three digits)]

F-KIND: Facility Kind [1-15]

1=Terminal Mode Set Facility (MSF)

2=Terminal Multiple Information Transfer Facility (TMF)

3-15=Not used

OP-CODE: Operation Codes [128-255]

When F-KIND = 1, 128 - 191

When F-KIND = 2, 192 - 255

4. Data Sheet

[illegible]

Note: The number of digits for OAI Access Codes is set by AOKC command.

AOFC: Assignment of Office Name

1. General

This command assigns the office name.

2. Precautions

1. The data assignment of this command is the same as the ASYD command SYS1, Index 96 through 115.
2. The office name is also included in the dump files of LIST UP, Traffic Measurement, and System Message.

3. Data Entry Instructions

Office Name

Maximum of 20 characters in the office name.

4. Data Sheet

[illegible]

AOKC: Assignment of OAI Key Code

1. General

This command is used to assign/delete the Facility Kind and the Operation Code on a basis of each Line/Feature key on the Desktop terminal.

2. Precautions

For OAI system only

1. The Open Application Interface (OAI) code where F KIND=3 can be assigned is only one per system.
2. When deleting the OAI key code for which F KIND=3 (Open Application Interface) is assigned, it is necessary, in advance to the intended deletion, to delete all the OAI access code data assigned by AOAC.

For ACD/OAI system

When OAI key data has been assigned/deleted on basis of a Line/Feature key by this command, operation of the OAI key is ignored only once immediately after that assignment/deletion or immediately after a system initialization.

3. Data Entry Instructions

KEY CODE: OAI Key Code [1-31]

The relationship between this parameter and the AKYD command, FKY34-47 is shown in the table below.

OAI KEY CODE (KEY CODE) 1-31	KIND OF FACILITY (F KIND) 1-4	OPERATION CODE (OP CODE) 128-255	FUNCTION KEY IN AKYD COMMAND	
			FKY	SERVICE NAME
1	1	187	34	Break
2	2	252	35	Auto/Manual (AUTO/MAN)
3	-	-	36	-
4	2	253	37	Work
5	1	188	38	Night (NIGHT)
6	2	250	39	Trunk Trouble Report (TR TRBL)
7	1	189	40	Tally (TALLY)
8	2	254	41	Assistance Key (ASSIST)
9	2	255	42	Emergency Recorder (EMER)
10	1	190	43	Log on/off (LOG ON/OFF)
11	-	-	44	-
12	1	191	45	Monitor/Barge (MON/BARGE)
13	-	-	46	-
14	2	249	47	Call Waiting Lamp
15-31	-	-	-	-

To use Terminal Claim Handling function, OP CODE (Operation Codes) are in the following.

To use ACD function at the same time, set the key code referring to the previous sheet.

OP CODE	OPERATION	DISPLAY
170	Terminal Information Selection Screen	Push 1-9, #=Menu
171	Terminal Information Selection Screen	IP Address Display → Local Mode
172	Claim Menu	**Claim Menu**

F KIND: Kind of Facility [1-4]

1=Terminal Mode Set Facility (MSF)

2=Terminal Multiple Information Transfer Facility (TMF)

3=Open Application Interface (OAI)

4=Key Code Transfer Facility (KTF)

C TONE: Chime Control on Normal End of MSF, TMF, and OAI [0/1]

0=Controlled

1=Not controlled (No Tone)

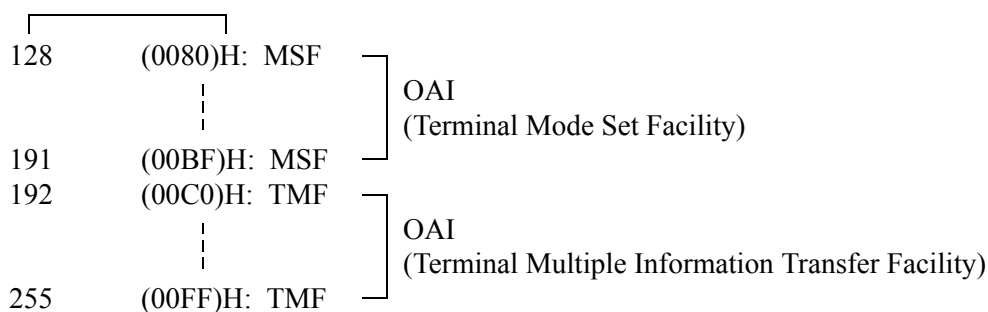
OP CODE: Operation Code [128-255]

This parameter is available for F KIND=1, 2. The range of the value is as follows:

F KIND=1 (MSF), OP CODE=128-191

F KIND=2 (TMF), OP CODE=192-255

Operation
Codes



Note: When OP CODE is entered and the Return/Enter key has been pressed, a “+” will be added to the left of the OP CODE.

Note: The following operation codes are not available for OAI system when OAI system and ACD system are used together in the same FCCS Network.
F KIND=1 (MSF), OP CODE=185-191
F KIND=2 (TMF), OP CODE=248-255

NND:Necessary Number of Digits [1-3]

This parameter is available for F KIND=3 only.

4. Data Sheet

OAI KEY CODE (KEY CODE) 1 – 31	KIND OF FACILITY (F KIND) 1-4	CHIME CONTROL ON NORMAL END (C TONE) 0/1	OPERATION CODE (OP CODE) 128-255	NECESSARY NUMBER OF DIGITS (NND) 1-3

AOPR: Assignment of Outgoing Pattern Routing Data

1. General

This command assigns the LCR/LCRS routing pattern for each Outgoing Route Selection Pattern Routing (OPR) number.

2. Precautions

1. The OPR parameter corresponds to the one assigned by the AFRS command.
2. The TDPTN parameter is intermediate data to the ATPC command. The ATPC command is used to assign the time pattern.
3. The PNL parameter is intermediate data to the AADC command. The AADC command is used to assign the additional numbers to transmit.
4. The applicable number of additional digits (DC) by the AADC command varies depending on the PNL data. A maximum of four digits can be added when a PNL of 1 to 127 is assigned. A maximum of 24 digits can be added when a PNL of 128 to 999 is assigned.
5. The E parameter is an indicator label of the RA. When E=1 is assigned, more RA assignments are required until E=0 has been assigned.
6. The overflow tone can be applied to the originating party if an alternate trunk route has been seized. The OVFT parameter designates whether the overflow tone is or is not provided.
7. The PRSC parameter refers to RSC2 of the AEFR command if the LCR-Controlled Alternate PRSC service is provided. Enter "0" (leave it blank) when the service is not required.
8. In Call Forwarding - Don't Answer - OUTSIDE/CCIS, or Call Forwarding - PS Incoming Incomplete features, Overflow Tone turns invalid even if the parameter OVFT=1 (Overflow Tone is provided) is set in this command.

3. Data Entry Instructions

TDPTN: Time of Day Change Pattern Number [0-7]

Enter data with a range of 0 to 7 if the Time Pattern assignment is required by the ATCP command, or the Clocked Manual Override data assigned by the ACMO command. Different TDPTN data can be assigned to a single OPR.

OPR: Outgoing Route Selection Pattern Number [0-4000]

Enter OPR assigned by the AFRS command.

RA: Route Advancing Order [0-7]

Enter the trunk route seizure order.

E: Route Advancing End Indication [0/1]

0=Route advance ends (Last route)

1=More Route Advance assignments are required.

Note: Be sure to assign 0 at the last RA.

RT: Outside Route Number [1-255]

Enter the external trunk route number which is seized in the RA.

The B-Channel/Voice Channel route number should be entered in the case of ISDN/CCIS interface.

SKIP: Number of Skipped Digits [0-24]

Enter the number of digits to be skipped from the dialed numbers.

PNL: Pattern Number Location [0-999]

Enter data with a range of 1 to 999 if additional digit translation is required by the AADC command. Otherwise, enter 0. A maximum of four digits can be added when a PNL of 1 to 127 is assigned. A maximum of 24 digits can be added when a PNL of 128 to 999 is assigned.

OVFT: Overflow Tone [0/1]

0=Overflow Tone is not provided

1=Overflow Tone is provided

PRSC: Priority Restriction Class [0-15]

0=LCR-Controlled Alternate PRSC service is not required

1-15=The restriction class referred by the AEFR command

4. Data Sheet

TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANCING ORDER (RA)	ROUTE ADVANCING END INDICATION (E) 0/1	OUTSIDE ROUTE NUMBER (RT)	NUMBER OF SKIPPED DIGITS (SKIP) 0 – 24	PATTERN NUMBER LOCA- TION (PNL) 0 – 999	OVER- FLOW TONE (OVFT) 0/1	PRIORITY RESTRICTION CLASS (PRSC) 0 – 15	REMARKS
		0							
		1							
		2							
		3							
		4							
		5							
		6							
		7							
		0							
		1							
		2							
		3							
		4							
		5							
		6							
		7							
		0							
		1							
		2							
		3							
		4							
		5							
		6							
		7							

AOPRL: Assignment of Outgoing Pattern Routing Data for LDM

1. General

This command assigns the LCR/LCRS routing pattern for each Outgoing Route Selection Pattern Routing (OPR) number. This command is required when LCR/LCRS activates via FCCS Link.

2. Precautions

1. The OPR parameter corresponds to the one assigned by the AFRSL command.
2. The TDPTN parameter is intermediate data to the ATPC command. The ATPC command is used to assign the time pattern.
3. The PNL parameter is intermediate data to the AADCL command. The AADCL command is used to assign the additional numbers to transmit.
4. The applicable number of additional digits (DC) by the AADCL command varies depending on the PNL data. A maximum of four digits can be added when a PNL of 1 to 127 is assigned. A maximum of 24 digits can be added when a PNL of 128 to 999 is assigned.
5. The E parameter is an indicator label of the RA. When E=1 is assigned, more RA assignments are required until E=0 has been assigned.
6. The overflow tone can be applied to the originating party if an alternate trunk route has been seized. The OVFT parameter designates whether the overflow tone is or is not provided.
7. The PRSC parameter refers to RSC2 of the AEFR command if the LCR-Controlled Alternate PRSC service is provided. Enter "0" (leave it blank) when the service is not required.

3. Data Entry Instructions

TDPTN: Time of Day Change Pattern Number [0-7]

Enter data with a range of 0 to 7 if the Time Pattern assignment is required by the ATPC command, or the Clocked Manual Override data assigned by the ACMO command. Different TDPTN data can be assigned to a single OPR.

OPR: Outgoing Route Selection Pattern Number [0-4000]

Enter OPR assigned by the AFRSL command.

RA: Route Advancing Order [0-7]

Enter the trunk route seizure order.

E: Route Advancing End Indication [0/1]

0=Route advance ends (Last route)

1= More Route Advance assignments are required.

Note: Be sure to assign 0 at the last RA.

LGRT: Logical Route Number [1-899]

Enter the Logical Route number which is seized in the RA.

The B-Channel/Voice Channel route number should be entered in the case of ISDN/CCIS interface.

When the system is configured as a standalone, register the Physical Route Number.

SKIP: Number of Skipped Digits [0-24]

Enter the number of digits to be skipped from the dialed numbers.

PNL: Pattern Number Location [0-999]

Enter data with a range of 1 to 999 if the digits addition is required by the AADCL command. Otherwise, enter 0. A maximum of four digits can be added when a PNL of 1 to 127 is assigned. A maximum of 24 digits can be added when a PNL of 128 to 999 is assigned.

OVFT: Overflow Tone [0/1]

0=Overflow Tone is not provided

1=Overflow Tone is provided

PRSC: Priority Restriction Class [0-15]

0=LCR-Controlled Alternate PRSC service is not required

1-15=The restriction class referred by the AEFR command.

IP-TRK: IP Trunk [0/1]

0=Usual TRK

1=IPTRK

PC: Point Code [1-16367]

Enter the Point Code of Destination Node only when data "1=IPTRK" is set in IP-TRK parameter.

4. Data Sheet

TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE SELEC- TION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANC- ING ORDER (RA)	ROUTE ADVANC- ING END INDICA- TION (E) 0/1	LOGICAL ROUTE NUMBER (LGRT) 1-899	NUMBER OF SKIPPED DIGITS (SKIP) 0 – 24	PATTERN NUMBER LOCATION (PNL) 0 – 999	OVER- FLOW TONE (OVFT) 0/1	PRIORITY RESTRIC- TION CLASS (PRSC) 0 – 15	IP TRUNK (IPTRK) 0/1	POINT CODE (PC) 1-16367
		0								
		1								
		2								
		3								
		4								
		5								
		6								
		7								
		0								
		1								
		2								
		3								
		4								
		5								
		6								
		7								
		0								
		1								
		2								
		3								
		4								
		5								
		6								
		7								

AOPRN: Assignment of Outgoing Pattern Routing Data for NDM

1. General

This command assigns the LCR/LCRS routing pattern for each Outgoing Route Selection Pattern Routing (OPR) number. This command is required when LCR/LCRS activates via FCCS link. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The OPR parameter corresponds to the one assigned by the AFRSN command.
2. The PNL parameter is intermediate data to the AADCN command. The AADCN command is used to assign the additional numbers to transmit.
3. The applicable number of additional digits (DC) by the AADCN command varies depending on the PNL data. A maximum of four digits can be added when a PNL of 1 to 127 is assigned. A maximum of 24 digits can be added when a PNL of 128 to 999 is assigned.
4. The “E” parameter is an indicator label of the RA. When E=1 is assigned, more RA assignments are required until E=0 has been assigned.
5. The overflow tone can be applied to the originating party if an alternate trunk route has been seized. The OVFT parameter designates whether the overflow tone is or is not provided.
6. The PRSC parameter is referred to as RSC2 of the AEFR command if the LCR-Controlled Alternate PRSC service is provided. Enter “0” (leave it blank) when the service is not required.

3. Data Entry Instructions

TDPTN: Time of Day Change Pattern Number

Fixed to “0”.

OPR: Outgoing Route Selection Pattern Number [0-4000]

Enter OPR assigned by the AFRSN command.

RA: Route Advancing Order [0-7]

Enter the trunk route seizure order.

E: Route Advancing End Indication [0/1]

0=Route advance ends (Last route)

1= More Route Advance assignments are required.

Note: Be sure to assign 0 at the last RA.

LGRT: Logical Route Number [1-899]

Enter the Logical Route number which is seized in the RA.

The B-Channel/Voice Channel route number should be entered in the case of ISDN/CCIS interface.

SKIP: Number of Skipped Digits [0-24]

Enter the number of digits to be skipped from dialed numbers.

PNL: Pattern Number Location [0-999]

Enter data with a range of 1 to 999 if the digits addition is required by the AADCL/AADCN command. Otherwise, enter 0. A maximum of four digits can be added when a PNL of 1 to 127 is assigned. A maximum of 24 digits can be added when a PNL of 128 to 999 is assigned.

OVFT: Overflow Tone [0/1]

0=Overflow Tone is not provided

1=Overflow Tone is provided

PRSC: Priority Restriction Class [0-15]

0=LCR-Controlled Alternate PRSC service is not required

1-15=The restriction class referred by the AEFR command

IP-TRK: IP Trunk [0/1]

0=Usual TRK

1=IPTRK

PC: Point Code [1-16367]

Enter the Point Code of Destination Node only when data "1=IPTRK" is set in IP-TRK parameter.

4. Data Sheet

TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0	OUTGOING ROUTE SELEC- TION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANC- ING ORDER (RA)	ROUTE ADVANC- ING END INDICA- TION (E) 0/1	LOGICAL ROUTE NUMBER (LGRT) 1-899	NUMBER OF SKIPPED DIGITS (SKIP) 0 – 24	PATTERN NUMBER LOCATION (PNL) 0 – 999	OVER- FLOW TONE (OVFT) 0/1	PRIORITY RESTRIC- TION CLASS (PRSC) 0 – 15	IP TRUNK (IPTRK) 0/1	POINT CODE (PC) 1-16367
		0								
		1								
		2								
		3								
		4								
		5								
		6								
		7								
		0								
		1								
		2								
		3								
		4								
		5								
		6								
		7								
		0								
		1								
		2								
		3								
		4								
		5								
		6								
		7								

AOSP: Assignment of Outgoing Selection Pattern

1. General

This command assigns skip and additional digit information for Outgoing Selection Translation Pattern Number (PNO).

2. Precautions

1. Before using this command, make sure that an Outgoing Selection Translation Pattern Number (PNO) has been assigned in the ASTP command.
2. The transmit number translation of the OGC/OGCA method outgoing calls is done by ASTP/AOSP command. Since the additional number and digits skipped can be assigned by the AOPR/AADC command for LCR/LCRS method, the ASTP/AOSP command may not be required.

3. Data Entry Instructions

PNO: Outgoing Selection Translation Pattern Number [1-15]

Enter the PNO assigned by the ASTP command.

SKIP: Number of Digits Skipped [0-24]

Enter desired skip digits if required.

ADD: Number of Additional Digits [0-4]

Enter the number of digits to be entered in DC parameter.

If SKIP=0, ADD must be assigned to 1-4.

DC: Additional Digit Information [Maximum four digits]

Enter desired additional numbers within four digits.

4. Data Sheet

OUTGOING SELECTION TRANSLATION PATTERN NUMBER (PNO) 1 – 15	NUMBER OF DIGITS SKIPPED (SKIP) 0 – 24	NUMBER OF ADDITIONAL DIGITS (ADD) 0 – 4	ADDITIONAL DIGIT INFORMATION (DC) MAXIMUM 4 DIGITS	REMARKS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

AOSPL: Assignment of Outgoing Selection Pattern for LDM

1. General

This command assigns skip and additional digit information for Outgoing Selection Translation Pattern Number (PNO). This data is written in Local Data Memory (LDM).

2. Precautions

1. Before using this command, make sure that an Outgoing Selection Translation Pattern Number (PNO) has been assigned in the ASTPL command.
2. The transmit number translation of the OGC/OGCA method outgoing calls is done by ASTPL/AOSPL command. Since the additional number and digits skipped can be assigned by the AOPRL/AADCL command for LCR/LCRS method, the ASTPL/AOSPL command may not be required.

3. Data Entry Instructions

PNO: Outgoing Selection Translation Pattern Number [1-15]

Enter the PNO assigned by the ASTPL command.

SKIP: Number of Digits Skipped [0-24]

Enter desired skip digits if required.

ADD: Number of Additional Digits [0-4]

Enter the number of digits to be entered in DC parameter.

If SKIP=0, ADD must be assigned to 1-4.

DC: Additional Digit Information [Maximum four digits]

Enter desired additional numbers within four digits.

4. Data Sheet

OUTGOING SELECTION TRANSLATION PATTERN NUMBER (PNO) 1 – 15	NUMBER OF DIGITS SKIPPED (SKIP) 0 – 24	NUMBER OF ADDITIONAL DIGITS (ADD) 0 – 4	ADDITIONAL DIGIT INFORMATION (DC) MAXIMUM 4 DIGITS	REMARKS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

AOSPN: Assignment of Outgoing Selection Pattern for NDM

1. General

This command assigns skip and additional digit information for Outgoing Selection Translation Pattern Number (PNO) in FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Before using this command, make sure that an Outgoing Selection Translation Pattern Number (PNO) has been assigned in the ASTPN command.
2. The transmit number translation of the OGC/OGCA method outgoing calls is done by ASTPN/AOSPN command. Since the additional number and digits skipped can be assigned by the AOPRN/AADCN command for LCR/LCRS method, the ASTPN/AOSPN command may not be required.

3. Data Entry Instructions

PNO: Outgoing Selection Translation Pattern Number [1-15]

Enter the PNO assigned by the ASTPN command.

SKIP: Number of Digits Skipped [0-24]

Enter desired skip digits if required.

ADD: Number of Additional Digits [0-4]

Enter the number of digits to be entered in DC parameter.

If SKIP=0, ADD must be assigned to 1-4.

DC: Additional Digit Information [Maximum four digits]

Enter desired additional numbers within four digits.

4. Data Sheet

OUTGOING SELECTION TRANSLATION PATTERN NUMBER (PNO) 1 – 15	NUMBER OF DIGITS SKIPPED (SKIP) 0 – 24	NUMBER OF ADDITIONAL DIGITS (ADD) 0 – 4	ADDITIONAL DIGIT INFORMATION (DC) MAXIMUM 4 DIGITS	REMARKS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

APAD: Assignment of PAD Data

1. General

This command assigns PAD control data for tandem connections and trunk-to-station connections.

2. Precautions

1. When KIND=S (station) is designated, the assigned ICPAD data is effective for trunk incoming/outgoing call from a station. Therefore, assign the dummy data to the parameter OGPAD.
2. If PAD control data is not assigned by this command, the PAD control data is overridden by the Route Class Data setting for PAD (CDN: 30) of the ARTD/ARTDN command.
3. When an announcement machine (for example, used in ANNOUNCEMENT SERVICE [A-15]) is set to use Multiple Connection ("M" parameter = "1") with the AAED/AAEDL/AAEDN command, the PAD control setting with this command is overridden by the Route Class Data setting for PAD (CDN: 30) of the ARTD/ARTDN command.

3. Data Entry Instructions

KIND: Kind of Connection [1-4]

The kinds of connections entered in this parameter are as follows:

No.	Parameter
1	T: Tandem Connection
2	S: Station
3	O: Outgoing (Not used)
4	I: Incoming (Not used)

ICRT: Incoming Route Number

OGRT: Outgoing Route Number

SFC: Service Restriction Class [0-15]

This parameter is not required for the parameter KIND="Tandem Connection".

DC: Destination Code [Maximum 24 digits] **Note 1**

The assignment of this parameter is required only when KIND="Outgoing" is designated.

This data should be assigned by the AMND command.

Note 1: This parameter is not used.

ICPAD is not required when assigning KIND="Outgoing".

1-14=**Note 2**

OGPAD: Outgoing PAD Data [1-15]

0=No APAD Setting

15=PAD OFF (0dB)

Note 2: Switch setting varies depending on the trunk circuit card. Refer to Circuit Card Description.

[illegible]

APADN: Assignment of PAD Data for NDM

1. General

This command assigns PAD control data for tandem connections and trunk-to-station connections in an FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. When KIND=S (station) is designated, the assigned ICPAD data is effective for trunk incoming/outgoing call from a station. Therefore, assign the dummy data to the parameter OGPAD.
2. If PAD control data is not assigned by this command, the PAD control data is overridden by the Route Class Data setting for PAD (CDN: 30) of the ARTD/ARTDN command.
3. When an announcement machine (for example, used in ANNOUNCEMENT SERVICE [A-15]) is set to use Multiple Connection ("M" parameter = "1") with the AAED/AAEDL/AAEDN command, the PAD control setting with this command is overridden by the Route Class Data setting for PAD (CDN: 30) of the ARTD/ARTDN command.

3. Data Entry Instructions

KIND: Kind of Connection [1, 2]

The kinds of connections entering in this parameter are as follows.

No.	Parameter
1	T: Tandem Connection
2	S: Station

◆ When KIND="T (Tandem Connection)" is selected:

ICLGRT: Incoming Logical Route Number [1-899]

Enter the Logical Route Number of Incoming Route.

OGLGRT: Outgoing Logical Route Number [1-899]

Enter the Logical Route Number of Outgoing Route.

ICPAD: Incoming PAD Data [1-15]

0=No APADN Setting

1-14=**Note 1**

15=PAD OFF (0dB)

OGPAD: Outgoing PAD Data [1-15]

0=No APADN Setting

1-14=**Note 1**

15=PAD OFF (0dB)

Note 1: Switch setting varies depending on the trunk circuit card. Refer to Circuit Card Description.

◆ When KIND="S (Station)" is selected:

OGLGRT: Outgoing Logical Route Number [1-899]

Enter the Logical Route Number of Outgoing Route.

SFC: Service Restriction Class [0-15]**ICPAD: Incoming PAD Data [1-15]**

0=No APADN Setting

1-14=**Note 2**

15=PAD OFF (0dB)

OGPAD: Outgoing PAD Data [1-15]

0=No APADN Setting

1-14=**Note 2**

15=PAD OFF (0dB)

Note 2: Switch setting varies depending on the trunk circuit card. Refer to Circuit Card Description.

4. Data Sheet

[illegible]

APBKN: Assignment of System Phone Book for NDM

1. General

This command is used to assign the data for System Phone book.

2. Precautions

The following characters, numbers, and marks can be used for System Phone book. To input special characters such as characters having an umlaut, refer to <Input Method of Special Characters> on Page 989.

If data in this command is common for all tenants (ASYDN command, SYS1, Index 802, b3=1), assign TN parameter as data "1" for all tenants.

A-Z, a-z, 0-9, !, ?, -, +, %, &, /, (,), =, ., ,, :, ", ', ;, *, #, @, [,], SP (blank space)

À, Á, Â, Ã, Ä, Å, Æ, Ç, È, É, Ê, Ë, Ì, Í, Î, Ï, Ñ, Ò, Ó, Ô, Õ, Ö, Ù, Ú, Û, Ü, Ý, Þ, ß, à, á, â, ã, ä, å, æ, ç, è, é, ê, ë, ì, í, î, ï, ñ, ò, ó, ô, õ, ö, ù, ú, û, ü, ý, ð, ñ

Note: ð is displayed in capital letter. There is no small letter for this character available.

3. Data Entry Instructions

TYPE: Get Type

Select either of the radio buttons:

- SPECIFY

Select when the name and the dial number are registered as a new entry.

- SEARCH

Select when the dial number of the existing name is edited.

TN: Tenant Number

When tenant number is common, the data is assigned toward TN=1.

UGN: User Group Number

When no data is assigned, the data is assigned toward UGN=1.

◆ To register the name and the dial number as a new entry (TYPE = SPECIFY)

NAME: Name [Maximum 24 characters]

Input the name to register to System Phone book. Do not register a name if the same name has been already registered. Do not leave a blank space at the end of name.

Note: Click GET button to read out the existing information.

<DC>

CNT: Number of Digit Code [1-20]

DC: Digit Code [Maximum 32 digits]

Input the dial number to register to System Phone book. Up to 20 dial numbers (DC) can be registered in each name. Do not register a dial number if the same dial number has been already registered.

Note: After inputting all the data, click SET button.

◆ To edit the dial number of the existing name (TYPE = SEARCH)

SEARCH NAME: Search Name [Maximum 24 characters]

This parameter can be used to find the existing name from the System Phone book database. Do not leave a blank at the 24th character position. Name search is available by a few characters in the beginning of the name if it is matched. Also the first entry of database is displayed if name search is executed without data input in this field.

Note: After the name is input, press GET button. When the database includes a name matching the input characters, the search result is displayed in the NAME field.

NAME: Name [Maximum 24 characters]

Existing name searched by SEARCH NAME is displayed.

Note: To display other name, click Former Candidate button or Next Candidate button.

<DC>

CNT: Number of Digit Code [1-20]

DC: Digit Code [Maximum 32 digits]

Input the dial number to register to System Phone book. Up to 20 dial numbers (DC) can be registered in each name. Do not register a dial number if the same number has been already registered.

Note: After inputting all the data, click SET button.

<Input Method of Special Characters>

Special characters such as characters having an umlaut can be input in NAME field on PCPro by changing input language using function of Operating Systems. To change input language, refer to the manuals provided by each OS.

4. Data Sheet

[illegible]

APCR: Assignment of Primary Call Restriction Data

1. General

This command assigns the restricted area code for LCR/LCRS outgoing call.

2. Precautions

1. The restriction check by this command is to be executed prior to the ARSC/ATDP/AARP commands.
2. The restricted area code assigned in the PDC parameter can be numbers (0 - 9, * and #), the mask code "X" which represents all kind of numbers (0 - 9, * and #), or "P" for a pause.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b2=1), assign the TN parameter as data "1" for all tenants.
4. The outgoing call from Attendant Console cannot be restricted.
5. When using this command for LCRS, be sure to adjust the number of digits of the following parameters:
 - NND of Numbering Plan Data
 - ACC of Reverse Numbering Plan Data

3. Data Entry Instructions

TN: Tenant Number

BLOCK: Block Number [0-49]

Unique Block Number should be assigned.

PDC: Primary Call Digit Code [Maximum 24 digits]

PDC should include the Access Code.

RSC: Route Restriction Class [0-15]

RES: Restriction Data [0/1]

Restriction data is assigned in the columns where RSC and PDC cross. When unassigned allowed Status.

0=Restricted

1=Connection is allowed

4. Data Sheet

Note: Restriction Data (RES) is assigned in the columns where BLOCK and RSC cross. When unassigned, Restriction Data is set as “0” (Restricted Status). Allowed Status Data is “1,” and must be assigned to allow the PDC to be dialed.

[illegible]

APCRN: Assignment of Primary Call Restriction Data for NDM

1. General

This command assigns the restricted area code for LCR/LCRS outgoing call. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The restriction check by this command is to be executed prior to the ARSC/ATDP/AARP commands.
2. The restricted area code assigned in the PDC parameter can be numbers (0 - 9, * and #), the mask code "X" which represents all kind of numbers (0 - 9, * and #), or "P" for a pause.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b5=1), assign the TN parameter as data "1" for all tenants.
4. The outgoing call from Attendant Console cannot be restricted.
5. When using this command for LCRS, be sure to adjust the number of digits of the following parameters:
 - NND of Numbering Plan Data
 - ACC of Reverse Numbering Plan Data

3. Data Entry Instructions

TN: Tenant Number

BLOCK: Block Number [0-49]

Unique Block Number should be assigned.

PDC: Primary Call Digit Code [Maximum 24 digits]

PDC should include the Access Code.

RSC: Route Restriction Class [0-15]

RES: Restriction Data [0/1]

Restriction data is assigned in the columns where RSC and PDC cross. When unassigned allowed Status.

0=Restricted

1=Connection is allowed

4. Data Sheet

Note: Restriction Data (RES) is assigned in the columns where BLOCK and RSC cross. When unassigned, Restriction Data is set as “0” (Restricted Status). Allowed Status Data is “1,” and must be assigned to allow the PDC to be dialed.

[illegible]

APDCL: Assignment of PAD Data for PHC

1. General

This command assigns PAD/EC control data for outgoing/incoming calls via PHC.

2. Precautions

1. Use APDIL command for assigning PAD/EC data when PHC is not used.
2. PAD/EC control data assigned by this command may not be available depending on the firmware version of the IP equipment. Refer to the Data Programming Manual-Business, Chapter 2 Assignment of Basic Office Data, PAD/EC Control IP/PHC Support for more details.
3. PAD value change may affect inband PB signal as well as speech level. Therefore, after the data change, make sure the change does not affect any service features that use inband PB signal.
4. When T.30 is assigned as the payload type of FAX, the PAD value for the FAX assigned by this command becomes invalid. In this case, the PAD value for the FAX is set to 0dB (fixed).
5. When performing Call Transfer - All Calls via FCCS except Peer-to-Peer FCCS (FCCS with FCH card, Ethernet, or IPTRK), PAD value set between an intermediate party and a transfer destination party is kept even after the intermediate party is released.

3. Data Entry Instructions

[Initial Value Modification]

Self Office Connection Device:

Select a device from the listbox and click the Setting button.

- Legacy Station
- MultiLine Telephone(IP)
- MC
- ATT
- Legacy Trunk (Tie Line)
- Legacy Trunk (C.O. line [A])
- Legacy Trunk (C.O. line [D])
- BRI/PRI/T1
- MC-MG(COT)
- CONF Trunk (3-party)
- VS (3-party CONF)
- VS (Multiple CONF)
- Announcement Trunk
- VS(MUSIC)
- FCCS
- VPS (Not used)
- UMS Equipment

Connected Devices:

Set this when selecting VS (3-party CONF) or VS (Multiple CONF) at the Self Office Connection Device.

- Station only
- Station + C.O. line / TIE Line
- Station + Station + UMS **Note 1**
- Station + C.O. / TIE Line + UMS **Note 1**

Note 1: This cannot be used when VS (Multiple CONF) is selected at the Self Office Connection Device.

Remote Office PC:

Enter the destination Point Code.

Connection Destination:

Select a connection destination type of the remote office.

- Station
- C.O. line [A]
- TIE Line
- ATT
- C.O. line [D]
- CONF
- MUSIC
- UMS Equipment
- No Send Terminal

Note: Select Non-Terminal-Kind Notification when the counter node is IPX (R15 or earlier) or NEAX2000 IPS.

PAD Value:

Set the PAD/EC data.

- T_PAD (Transmit PAD): -20~20
- T_FAXPAD (Transmit FAXPAD [dB]): -20~20
- R_PAD (Receive PAD [dB]): -20~20
- R_FAXPAD (Receive FAX PAD [dB]): -20~20
- EC (Echo Canceler): ON / OFF
- FAXEC (FAX Echo Canceler): ON/OFF

[Connection Designated]**Connection Pattern:**

Select a connection pattern and click the Setting button.

- Trunk - (PHC) - Trunk

- Trunk - (PHC) - Station
- Station - (PHC) - Trunk
- Station - (PHC) - Station

Self Office Side:

Assign the information of connected device at self office.

- Kind of Connection: Select Trunk or Station.
- RT/LGRT: Route Number of the connected device when Trunk is selected.
- SFC: Service Feature Restriction Class of the connected device when Station is selected.

Remote Office Side:

Assign the information of connected device at remote office.

- Kind of Connection: Select Trunk or Station.
- PC: Enter the Point Code of Remote Office.
- RT/LGRT: Route Number of the connected device when Trunk is selected.
- SFC: Service Feature Restriction Class of the connected device when Station is selected.

Select items from the following. (When ALL is selected, all items can be checked).

- ALL
- Adjust a PAD for voices
- Echo Canceler
- Adjust a PAD for FAX
- Echo Canceler for FAX

Assign PAD/EC data for the selected items.

- T_PAD (Transmit PAD): -20~20
- T_FAXPAD (Transmit FAXPAD [dB]): -20~20
- R_PAD (Receive PAD [dB]): -20~20
- R_FAXPAD (Receive FAX PAD [dB]): -20~20
- EC (Echo Canceler): ON / OFF
- FAXEC (FAX Echo Canceler): ON/OFF

4. Data Sheet

1. Initial Value Modification

SELF-OFFICE CONNECTION DEVICE	CONNECTION DEVICES Note 1	REMOTE OFFICE PC	CONNECTION DESTINATION	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
				T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Note 1: This parameter appears when VS (3-party CONF) or VS (Multiple CONF) is selected.

2. Connection Designated

CONNECTION PATTERN	SELF OFFICE SIDE		REMOTE OFFICE SIDE		PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
	KIND	RT/LGRT/ SFC	KIND	RT/LGRT/ SFC	T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

APDCN: Assignment of PAD Data for PHC

1. General

This command assigns PAD/EC control data for outgoing/incoming calls via PHC.

2. Precautions

1. This command is available since FP-101 R20.
2. Use APDIN command for assigning PAD/EC data when PHC is not used.
3. PAD/EC control data assigned by this command may not be available depending on the firmware version of the IP equipment. Refer to the Data Programming Manual-Business, Chapter 2 Assignment of Basic Office Data, PAD/EC Control IP/PHC Support for more details.
4. PAD value change may affect inband PB signal as well as speech level. Therefore, after the data change, make sure the change does not affect any service features that use inband PB signal.
5. When T.30 is assigned as the payload type of FAX, the PAD value for the FAX assigned by this command becomes invalid. In this case, the PAD value for the FAX is set to 0dB (fixed).
6. When performing Call Transfer - All Calls via FCCS except Peer-to-Peer FCCS (FCCS with FCH card, Ethernet, or IPTRK), PAD value set between an intermediate party and a transfer destination party is kept even after the intermediate party is released.

3. Data Entry Instructions

[Initial Value Modification]

Self Office Connection Device:

Select a device from the listbox and click the Setting button.

- Legacy Station
- MultiLine Telephone (IP)
- MC
- ATT
- Legacy Trunk (Tie Line)
- Legacy Trunk (C.O. line [A])
- Legacy Trunk (C.O. line [D])
- BRI/PRI/T1
- MC-MG(COT)
- CONF Trunk (3-party)
- VS (3-party CONF)
- VS (Multiple CONF)
- Announcement Trunk
- VS(MUSIC)
- FCCS
- VPS (Not used)
- UMS Equipment

Connected Devices:

Set this when selecting VS (3-party CONF) or VS (Multiple CONF) at the Self Office Connection Device.

- Station only
- Station + C.O. line / TIE Line
- Station + Station + UMS **Note 1**
- Station + C.O. / TIE Line + UMS **Note 1**

Note 1: This cannot be used when VS (Multiple CONF) is selected at the Self Office Connection Device.

Remote Office PC:

Enter the destination Point Code.

Connection Destination:

Select a connection destination type of the remote office.

- Station
- C.O. line [A]
- TIE Line
- ATT
- C.O. line [D]
- CONF
- MUSIC
- No Send Terminal

PAD Value:

Set the PAD/EC data.

- T_PAD (Transmit PAD): -20~20
- T_FAXPAD (Transmit FAXPAD [dB]): -20~20
- R_PAD (Receive PAD [dB]): -20~20
- R_FAXPAD (Receive FAX PAD [dB]): -20~20
- EC (Echo Canceler): ON / OFF
- FAXEC (FAX Echo Canceler): ON/OFF

[Connection Designated]**Connection Pattern:**

Select a connection pattern and click the Setting button.

- Trunk - (PHC) - Trunk
- Trunk - (PHC) - Station
- Station - (PHC) - Trunk
- Station - (PHC) - Station

Self Office Side:

Assign the information of connected device at self office.

- Kind of Connection: Select Trunk or Station.
- RT/LGRT: Route Number of the connected device when Trunk is selected.
- SFC: Service Feature Restriction Class of the connected device when Station is selected.

Remote Office Side:

Assign the information of connected device at remote office.

- Kind of Connection: Select Trunk or Station.
- PC: Enter the Point Code of Remote Office.
- RT/LGRT: Route Number of the connected device when Trunk is selected.
- SFC: Service Feature Restriction Class of the connected device when Station is selected.

Note: Select Non-Terminal-Kind Notification when the counter node is IPX (R15 or earlier) or NEAX2000 IPS.

Select items from the following. (When ALL is selected, all items can be checked).

- ALL
- Adjust a PAD for voices
- Echo Canceler
- Adjust a PAD for FAX
- Echo Canceler for FAX

Assign PAD/EC data for the selected items.

- T_PAD (Transmit PAD): -20~20
- T_FAXPAD (Transmit FAXPAD [dB]): -20~20
- R_PAD (Receive PAD [dB]): -20~20
- R_FAXPAD (Receive FAX PAD [dB]): -20~20
- EC (Echo Canceler): ON / OFF
- FAXEC (FAX Echo Canceler): ON/OFF

4. Data Sheet

1. Initial Value Modification

SELF-OFFICE CONNECTION DEVICE	CONNECTION DEVICES Note 1	REMOTE OFFICE PC	CONNECTION DESTINATION	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
				T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Note 1: This parameter appears when VS (3-party CONF) or VS (Multiple CONF) is selected.

2. Connection Designated

CONNECTION PATTERN	SELF OFFICE SIDE		REMOTE OFFICE SIDE		PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
	KIND	RT/LGRT/ SFC	KIND	RT/LGRT/ SFC	T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

APDIL: Assignment of PAD Data for IP for LDM

1. General

This command assigns PAD/Echo Canceler (EC) data that is used for devices on IP networks. Data assigned by this command is not applied for calls via PHC.

2. Precautions

1. Use APDCL command to assign PAD/EC data for calls via PHC.
2. Data assigned by this command may not be available depending on the firmware version of the IP equipment. Refer to the Data Programming Manual-Business, Chapter 2 Assignment of Basic Office Data, PAD/EC Control IP/PHC Support for more details.
3. Data assigned by this command will be effective when ASYDL, SYS1, Index 825 b0=1 and b1=0.
4. PAD value change may affect inband PB signal as well as speech level. Therefore, after the data change, make sure the change does not affect any service features that use inband PB signal.
5. When T.30 is assigned as the payload type of FAX, the PAD value for the FAX assigned by this command becomes invalid. In this case, the PAD value for the FAX is set to 0dB (fixed).
6. When RT/LGRT is registered, assign the following data:
 - If the system is configured as a standalone, register the Physical Route Number.
 - If FCCS network is configured, register the Logical Route Number.

3. Data Entry Instructions

When starting the APDIL command, the main window appears. Parameters on each tab are explained below:

■ Station-to-Station tab or OG/IC (Station) tab

[Initial Value Modification Setting]

IP Devices:

Select an IP device and click the Setting button.

- MultiLine Telephone (IP)
- MC

Connect to:

One of the following will be displayed. Press the Get button.

- Station
- C.O. line (Analog)
- C.O. line (Digital)
- TIE Line

PAD Value:

Set the PAD/EC data.

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- FAXEC (FAX Echo Canceler): ON/OFF

[Connection Pattern Designated Setting]

Connection Pattern:

Select a connection pattern and click the Setting button.

- P2P Connection
- Legacy Connection

When P2P Connection is selected:

- **IP Devices A**
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected)
- **IP Devices B**
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected)

When Legacy Connection is selected:

- **LAN side**
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected)
- **TDSW side**
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected)

Select items from the following. (When ALL is selected, all items can be checked).

- ALL
- Adjust a PAD for voices
- Echo Canceler
- Adjust a PAD for FAX
- Echo Canceler for FAX

Set the PAD/EC data for items checked above.

- T_PAD (Transmit PAD [dB]): -20 ~ 20

- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- FAXEC (Echo Canceler): ON/OFF

■ Tandem tab or OG/IC (Trunk) tab

[Initial Value Modification Setting]

IP Devices:

Select a device and click the Setting button.

- MC-MG(COT)
- BRI/PRI/T1

Connect to:

Select a connection destination.

- Station
- C.O. line [A]
- C.O. line [D]
- TIE Line

Set the PAD/EC data.

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- FAXEC (Echo Canceler): ON/OFF

[Connection Pattern Designated Setting]

Connection Pattern:

Select a connection pattern and click the Setting button.

- P2P Connection
- Legacy Connection

When P2P Connection is selected:

- IP Devices A
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected) **Note 1**

- IP Devices B
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected) **Note 1**

When Legacy Connection is selected:

- **LAN side**
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected) **Note 1**
- **TDSW side**
Kind (Station or Trunk will be displayed.)
SFC (Service Feature Restriction Class when Station is selected)
RT/LGRT (Route Number when Trunk is selected) **Note 1**

Note 1: Ranges of values are 1 to 899, 901 to 947.

Select items from the following. (When ALL is selected, all items can be checked).

- ALL
- Adjust a PAD for voices
- Echo Canceler
- Adjust a PAD for FAX
- Echo Canceler for FAX

Set the PAD/EC data for items checked above.

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- FAXEC (Echo Canceler): ON/OFF

■ Other tab**[Initial Value Modification]****IP Devices:**

Select an IP device and click the Setting button.

- MultiLine Telephone(IP)
- MC
- MC-MG (COT)
- BRI/PRI/T1
- VPS
- VS (MUSIC)
- VS (3-party CONF)
- VS (Multiple CONF)

Connected Devices:

Select a connected device when VS (3-party CONF) or VS (Multiple CONF) is selected at IP Devices.

- Station only
- Station + C.O./Tie Line
- Station + Station + UMS **Note 2**
- Station + C.O./Tie Line + UMS **Note 2**

Note 2: This device cannot be selected when VS (Multiple CONF) is selected at IP Devices.

Connect To:

- Station
- C.O. line [A]
- C.O. line [D]
- ATT
- Tie Line
- MUSIC
- 3-party CONF
- UMS Equipment

Set the PAD/EC data.

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceled): ON/OFF
- FAXEC (FAX Echo Canceled): ON/OFF

Note: The displayed data vary depending on your choice above.

■ FCCS tab**[Connection Pattern Setting Designated]****LAN side:**

Select a connection pattern and click the Setting button.

- Trunk
- Station
- IPPAD (Other node)

Connection pattern:

Legacy Connection will be displayed.

LAN side:

Kind of Connection (Trunk/Station/IPPAD [Other-node] will be displayed)

- SFC (Service Feature Restriction Class when Station is selected)
- RT/LGRT (Route Number/Logical Route Number when Trunk is selected)

TDSW side:

Kind of Connection (IPPAD [FCCS connection] will be displayed)

- C_RT (Connection Route)

Note: If IPPAD (Other node) is selected as a connection pattern of LAN side, IPPAD (P2P-FCCS connection) will be displayed as Kind of Connection here.

Press the Get button and select items from the following. (When ALL is selected, all items can be checked).

- ALL
- Adjust a PAD for voices
- Echo Canceler
- Adjust a PAD for FAX
- Echo Canceler for FAX

Set the PAD/EC data.

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- FAXEC (FAX Echo Canceler): ON/OFF

■ Advanced tab**[Station Designated Setting]****Kind of Designation:**

Select a kind of designation by using the radio buttons.

- Individual
- Collective

When Individual is selected:

- TN: (Tenant Number)
- STN: (Station number)

When Collective is selected:

- TN: (Tenant Number)
- START STN: (Start station number)
- END STN: (End station number)

Press the Get button and select items from the following. (When ALL is selected, all items can be checked).

- ALL
- Echo Canceler
- Adjust a PAD for FAX
- Echo Canceler for FAX

Set the PAD/EC data.

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- FAXEC (FAX Echo Canceler): ON/OFF

[Initial Value Modification Collective Setting (IP Devices)]**IP Devices:**

Select an IP device from the list box and press the Setting button.

- MultiLine Telephone(IP)
- MC
- MC-MG (COT)
- BRI/PRI/T1
- VPS
- VS (MUSIC)
- VS (3-party CONF)
- VS (Multiple CONF)

Connected Devices:

Select a connected device when VS (3-party CONF) or VS (Multiple CONF) is selected at IP Devices.

- Station only
- Station + C.O./Tie Line
- Station + Station + UMS **Note 3**
- Station + C.O./Tie Line + UMS **Note 3**

Note 3: This device cannot be selected when VS (Multiple CONF) is selected at IP Devices.

Press the Get button and set the PAD/EC data to each terminal.

PAD/EC data:

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- FAXEC (FAX Echo Canceler): ON/OFF

Terminals:

- Station
- C.O. line [A]
- Tie Line
- ATT
- C.O. line [D]
- MUSIC
- 3-party CONF
- UMS Equipment

Note: The PAD/EC data and Terminals you can set vary depending on your choice above.

[Initial Value Modification Collective Setting (IPPAD)]**TDSW side Terminal:**

Select a device from the list box and press the Setting button.

- Station
- C.O. line [A]
- Tie Line
- ATT
- C.O. line [D]
- MUSIC
- 3-party CONF
- UMS Equipment
- FCCS

Press the Get button and set the PAD/EC data to each terminal.

PAD/EC data:

- T_PAD (Transmit PAD [dB]): -20 ~ 20
- R_PAD (Receive PAD [dB]): -20 ~ 20
- EC (Echo Canceler): ON/OFF
- T_FAXPAD (Transmit FAXPAD [dB]): -20 ~ 20
- R_FAXPAD (Receive FAX PAD [dB]): -20 ~ 20
- FAXEC (FAX Echo Canceler): ON/OFF

Terminals:

- Station
- C.O. line [A]
- Tie Line
- C.O. line [D]
- MUSIC
- 3-party CONF
- UMS Equipment
- IPPAD (Other LMG) **Note 4**
- IPPAD (Other node)

Note: The PAD/EC data and Terminals you can set vary depending on your choice above.

Note 4: This parameter is not used.

4. Data Sheet

<Station-Station or OG/IC (Station)>

Initial Value Modification

IP DEVICES	CONNECTED TO	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
		T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Connection Pattern Designated Setting

CONNECTION PATTERN	IP DEVICES A/ LAN SIDE		IP DEVICES B/ TDSW SIDE		PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
	KIND	SFC/RT	KIND	SFC/RT	T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

<Tandem or OG/IC (Trunk)>

Initial Value Modification

IP DEVICES	CONNECT TO	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
		T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Connection Designated

CONNECTION PATTERN	LAN SIDE		TDSW SIDE		PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
	KIND	SFC/RT	KIND	SRC/RT	T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

<Other>

Initial Value Modification

IP DEVICES	CONNECTION DEVICES Note 1	CONNECT TO	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
			T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Note 1: This parameter appears when VS (3-party CONF) or VS (Multiple CONF) is selected.

<Advanced>

Station Designated Setting

KIND OF DESIGNATION	TENANT	STN / START STN	- / END STN	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
				T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Initial Value Modification Collective Setting (IP Devices)

IP DEVICES	CONNECTED DEVICES	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
		T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

Initial Value Modification Collective Setting (IPPAD)

TDSW SIDE TERMINAL	PAD ADJUSTMENT		FAXPAD ADJUSTMENT		EC SETTING	
	T_PAD	R_PAD	T_FAX PAD	R_FAX PAD	EC	FAXEC

APHN: Assignment of Phantom Station Number

1. General

This command assigns a phantom number for a station.

2. Precautions

1. Numbers that are being used as station or LDN numbers cannot be used as phantom numbers.
2. When an incoming call is terminated to a phantom number, either no station hunting or station hunting depending on the data in the PH parameter is performed if the called station is a member station of a Hunt Group.
3. A maximum of five phantom numbers can be assigned to a station (including individual phantom number and phantom number in a Hunting Group).
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
5. Data entry is not required in the parameters MODE and STN, since data that has already been assigned is displayed.

3. Data Entry Instructions

◆ Assignment

MODE: Read Mode [1/2]

Choose the data retrieval mode between the following:

- 1: REAL STN (Real station number)
- 2: PH STN (Phantom station number)

(a) When “1: REAL STN” is specified for the parameter MODE, the following parameters are displayed.

TN: Tenant Number

REAL STN: Real Station Number

(b) When “2: PH STN” is specified for the parameter MODE, the following parameters are displayed.

TN: Tenant Number

PH STN: Phantom Station Number

REAL STN: Real Station Number

If the specified phantom number is already assigned to a real station number, this parameter is read only; if not, this parameter can be modified.

PH LIST: Phantom Station Number List

PH: Kind of Phantom Station Number [0/1]

- 0=Individual Phantom Number
- 1=Phantom Number in a Hunting Group

PH STN: Phantom Station Number

A maximum of five phantom station numbers can be assigned to a real station number.

4. Data Sheet

[illegible]

APHNL: Assignment of Phantom Station Number for LDM

1. General

This command assigns Phantom Telephone Number (PHTELN) to Telephone Number (TELN) for stations.

2. Precautions

1. The total number of Phantom Telephone Number (PHTELN) and Telephone Number (TELN) for a station cannot exceed 60,000 in a system.
2. A maximum of 16 Phantom Telephone numbers can be assigned to a Telephone Number of a station.

3. Data Entry Instructions

MODE: Read Mode [1/2]

Choose the data retrieval mode between the following:

- 1: TELN (Telephone Number)
- 2: PH TELN (Phantom Telephone Number)

- (a) When “1: TELN” is specified for the parameter MODE, the following parameters are displayed.

UGN: User Group Number

TELN: Telephone Number

- (b) When “2: PH TELN” is specified for the parameter MODE, the following parameters are displayed.

PH UGN: Phantom User Group Number [0/1]

PH TELN: Phantom Telephone Number

UGN: User Group Number

TELN: Telephone Number

PH LIST: Phantom Station Number List

PH: Kind of Phantom Telephone Number [0/1]

0=Individual Phantom Telephone Number

1=Phantom Telephone Number in Hunting Group

PH UGN: Phantom User Group Number

PH TELN: Phantom Telephone Number

4. Data Sheet

READ MODE (MODE)		USER GROUP NUMBER (UGN)		TELEPHONE NUMBER OR PHANTOM TELEPHONE NUMBER (TELN/PH TELN)					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16

APHNN: Assignment of Phantom Station Number for NDM

1. General

This command assigns Phantom Telephone Number (PHTELN) to Telephone Number (TELN) of stations in the FCCS Network. This data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The total number of Phantom Telephone Number (PHTELN) and Telephone Number (TELN) for station cannot exceed 60,000 in a system.
2. A maximum of 16 Phantom Telephone numbers can be assigned to a Telephone Number of a station.

3. Data Entry Instructions

MODE: Read Mode [1/2]

Choose the data retrieval mode between the following:

- 1: TELN (Telephone Number)
- 2: PH TELN (Phantom Telephone Number)

(a) When “1: TELN” is specified for the parameter MODE, the following parameters are displayed.

UGN: User Group Number

TELN: Telephone Number

(b) When “2: PH TELN” is specified for the parameter MODE, the following parameters are displayed.

PH UGN: Phantom User Group Number [0/1]

PH TELN: Phantom Telephone Number

UGN: User Group Number

TELN: Telephone Number

PH LIST: Phantom Station Number List

PH: Kind of Phantom Telephone Number [0/1]

0=Individual Phantom Telephone Number

1=Phantom Telephone Number in Hunting Group

PH UGN: Phantom User Group Number

PH TELN: Phantom Telephone Number

4. Data Sheet

READ MODE (MODE)		USER GROUP NUMBER (UGN)		TELEPHONE NUMBER OR PHANTOM TELEPHONE NUMBER (TELN/PH TELN)					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					
UGN	TELN	PH	PHTELN 1	PH	PHTELN 2	PH	PHTELN 3	PH	PHTELN 4
		PH	PHTELN 5	PH	PHTELN 6	PH	PHTELN 7	PH	PHTELN 8
		PH	PHTELN 9	PH	PHTELN 10	PH	PHTELN 11	PH	PHTELN 12
		PH	PHTELN 13	PH	PHTELN 14	PH	PHTELN 15	PH	PHTELN 16
MODE		UGN		TELN/PHTELN					

APIP2L: Assignment of IP Address Data 2 for Point Code for LDM

1. General

This command is used to designate IP address data to Point Code (PC) of the destination node for establishing CCIS over IP network (Point to Multipoint configuration) using Internal PHC and the IPTRK cards in a system. This data is written in the Local Data Memory (LDM).

2. Precautions

The parameter PC should correspond to the data assigned by the AOPRL command.

3. Data Entry Instructions

PC: Destination Point Code [1-16367]

Enter the Point Code of destination node.

[IP Address List]

CNT: Count Number [1-8]

IP ADDRESS: IP Address for Destination Point Code

Enter the IP address data. If there is the data, it is displayed in the IP Address List (maximum 8 data). To change an IP address, select the IP address you wish to change from the list, change the IP address and then click the “SET” button. To add an IP address, create a new row in the list by clicking the “Add Row to Above” icon or the “Add Row to End” icon, enter the new IP address and click the “SET” button.

MODE: Mode of Connection

Select either of the radio buttons.

- Permanent Virtual Connection

Keep TCP connection permanently.

- Switched Virtual Connection

Disconnect TCP connection when firmware does not find a message on TCP transmitted/received within a fixed time set by the parameter TIMER.

TIMER [0-127]

Used in Switched Virtual Connection. Determine the elapsed-time until disconnecting the TCP connection.

0=15 minutes (default setting)

1-127=1-127 minutes

LKRCN: Link Reconnection [0/1]

Assign the link reconnection data for more than 3-link configuration between two nodes in CCIS over IP (Point to Multipoint).

0=Link retry composition not process when multi connection (Node that does not execute link reconnection)

1=Link retry composition process when multi connection (Node that executes link reconnection)

Note: When destination node is the SV9500, SV8500, SV7000 or NEAX2400 IPX, set this parameter to "1." When destination node is NEAX2000 IPS, SV8300 or SV9300, set this parameter to "0". This parameter is not used for the present (fixed to "0").

AOC: Advice of Charge [0/1]

Choose whether to activate AOC feature in CCIS tandem connection. **Note 1**

0=Not Sending

1=Sending (Tandem control data for AOC is sent out)

Note 1: When the destination node does not support AOC feature, be sure to assign AOC=0.

CLI-COL: CLI/COL Setting [0/1]

Choose whether to send CLI/COL to each counter office Point Code.

0=Not Setting

1=Setting

LOOK AHEAD: Look Ahead (Condition Look Ahead Routing - CCIS on the originating node) [0-3]

Select an enable/disable option for the Look Ahead Routing - CCIS feature to be implemented on the originating node. **Note 2**

0=Busy Enable (Restriction disable)

1=Restriction Enable (Busy disable)

2=Busy/Restriction Enable

3=Busy/Restriction Disable

Note 2: Perform this setup on the relaying node. Specify the option for the Originating Point Code.

Keep Destination IP Address

When CCIS Alternate Routing - Backup [C-178] is used and ASYDL, Index 804, Bit7=1 (IP address of destination node) is assigned, the destination IP address is retained by placing a check mark.

Note: Place a check mark when the destination node uses CCIS Networking via IP (By PHC) [C-163] in the Geographic Redundancy/UMGi-enabled Geographic Redundancy system.

- Check box: ON

The IP address for the destination PC is retained. Each call will arrive at the destination node of the assigned IP address. For details, see the Destination IP Address Update Timing section in Chapter1 of Geographic Redundancy Configuration Manual.

- Check box: OFF

Each call reroutes according to CIC number. From the second call, each call reroutes to the destination according to the order of CNT (starting from CNT1). For example, if the first destination of alternative routing is CNT3, the destination changes in the following order:

CNT3 -> CNT1 -> CNT2 -> CNT4 -> CNT5...

Note: This check box is displayed since FP95-114 V4.

4. Data Sheet

DEST. POINT CODE (PC) 1-16367	COUNT NO. (CNT) 1-8	IP ADDRESS	MODE	TIMER 0-127	LINK RECONNECTION (LKRCN) 0/1	AOC 0/1	CLI- COL 0/1	LOOK AHEAD 0-3	KEEP DEST. IP ADDRESS
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
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	6								
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	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								

APIP2N: Assignment of IP Address Data 2 for Point Code for NDM

1. General

This command is used to assign IP address data to Point Code (PC) of the destination node. IP address data is assigned for the network where an IP network (with Internal PHC and the IPTRK cards) and an FCCS network coexist. This data assigned by this command is written in the Network Data Memory (NDM) or the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The parameter PC should correspond to the data assigned by the AOPRN command.
2. IP address data can be set to each node in an FCCS system.

3. Data Entry Instructions

PC: Destination Point Code [1-16367]

Enter the Point Code of destination node.

[IP Address List]

CNT: Count Number [1-8]

IP ADDRESS: IP Address for Destination Point Code

Enter the IP address data. If there is the data, it is displayed in the IP Address List (maximum 8 data). To change an IP address, select the IP address you wish to change from the list, change the IP address and then click the “SET” button. To add an IP address, create a new row in the list by clicking the “Add Row to Above” icon or the “Add Row to End” icon, enter the new IP address and click the “SET” button.

MODE: Mode of Connection

Select radio buttons.

- Permanent Virtual Connection

Keep TCP connection permanently.

- Switched Virtual Connection

Disconnect TCP connection when firmware does not find a message on TCP transmitted/received in a fixed time set by the parameter TIMER.

TIMER [0-127]

Used in Switched Virtual Connection. Determine the elapsed-time until disconnecting TCP connection.

0=15 minutes (default setting)

1-127=1-127 minutes

LKRCN: Link Reconnection [0/1]

Assign the link reconnection data for more than 3-link configuration between two nodes in CCIS over IP (Point-to-Multipoint).

0=Link retry composition not process when multi connection (Node that does not execute link reconnection)

1=Link retry composition process when multi connection (Node that executes link reconnection)

Note: When destination node is the SV9500, SV8500, SV7000 or NEAX2400 IPX, set this parameter to "1." When destination node is the NEAX2000 IPS, SV8300 or SV9300, set this parameter to "0". This parameter is not used for the present (fixed to "0").

ADC: Access Code [Maximum six digits (0-9, *, #)] (Not used)

Enter the Access Code. This parameter is valid only when multiple FCCS Networks via CCIS service is available.

Note: This parameter is not used for the present.

AOC: Advice of Charge [0/1]

Choose whether to activate AOC feature in CCIS tandem connection. **Note 1**

0=Not Sending

1=Sending (Tandem control data for AOC is sent out)

Note 1: When the destination node does not support AOC feature, be sure to assign AOC=0.

CLI-COL: CLI/COL Setting [0/1]

Choose whether to send CLI/COL to each counter office Point Code.

0=Not Setting

1=Setting

LOOK AHEAD: Look Ahead (Condition Look Ahead Routing - CCIS on the originating node) [0-3]

Select an enable/disable option for the Look Ahead Routing - CCIS feature to be implemented on the originating node. **Note 2**

0=Busy Enable (Restriction disable)

1=Restriction Enable (Busy disable)

2=Busy/Restriction Enable

3=Busy/Restriction Disable

Note 2: Perform this setup on the relaying node. Specify the option for the Originating Point Code.

Keep Destination IP Address

When CCIS Alternate Routing - Backup [C-178] is used and ASYDL, Index 804, Bit7=1 (IP address of destination node) is assigned, the destination IP address is retained by placing a check mark.

Note: Place a check mark when the destination node uses CCIS Networking via IP (By PHC) [C-163] in the Geographic Redundancy/UMGi-enabled Geographic Redundancy system.

- Check box: ON

The IP address for the destination PC is retained. Each call will arrive at the destination node of the assigned IP address. For details, see the Destination IP Address Update Timing section in Chapter1 of Geographic Redundancy Configuration Manual.

- Check box: OFF

Each call reroutes according to CIC number. From the second call, each call reroutes to the destination according to the order of CNT (starting from CNT1). For example, if the first destination of alternative routing is CNT3, the destination changes in the following order:

CNT3 -> CNT1 -> CNT2 -> CNT4 -> CNT5...

Note: This check box is displayed since FP95-114 V4.

4. Data Sheet

DEST. POINT CODE (PC) 1-16367	COUNT NUMBER (CNT) 1-8	IP ADDRESS	MODE	TIMER 0-127	LINK RECON- NECTION (LKRCN) 0/1	ACCESS CODE (ADC) MAXIMUM 6 DIGITS [0-9, *, #]	AOC 0/1	CLI- COL 0/1	LOOK AHEAD 0-3	KEEP DEST. IP ADDRESS
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									

APIPL: Assignment of IP Address Data for Point Code for LDM

1. General

This command is used to assign, delete, and read out the IP address data to the Point Code (PC) of the destination node. This data is written in the Local Data Memory (LDM).

2. Precautions

None

3. Data Entry Instructions

PC: Destination Point Code [1-16367]

Enter the Point Code of Destination Node.

[IP Address List]

CNT: Count Number [1-8]

IP ADDRESS: IP Address for Destination Point Code

Enter the IP address data. If there are the data, it is displayed in the IP Address List (maximum 8 data). To change an IP address, select the IP address you wish to change from the list, change the IP address and then click the “SET” button. To add an IP address, create a new row in the list by clicking the “Add Row to Above” icon or the “Add Row to End” icon, enter the new IP address and click the “SET” button.

MODE: Mode of Connection

Select either of the radio buttons.

- Permanent Virtual Connection
Keep TCP Connection permanently.
- Switched Virtual Connection

Disconnect TCP Connection when firmware does not find a message on TCP transmitted/received in a fixed time set by the TIMER.

TIMER: [0-127]

Used in Switched Virtual Connection. Determine the elapsed-time until disconnecting TCP Connection.

0=15 minutes (default setting)

1-127=1-127 minutes

LKRCN: Link Reconnection [0/1]

Assign the link reconnection data for more than 3-link configuration between two nodes in CCIS over IP (Point-to-Multipoint).

0=Link retry composition not process when multi connection (Node that does not execute link reconnection)

1=Link retry composition process when multi connection (Node that executes link reconnection)

Note: When destination node is the SV9500, SV8500, SV7000 or NEAX2400 IPX, set this parameter to "1." When destination node is the NEAX2000 IPS, SV8300 or SV9300, set this parameter to "0".

AOC: Advice of Charge [0/1]

Choose whether to activate AOC feature in CCIS tandem connection. **Note 1**

0=Not Sending (Tandem control data for AOC is not sent out) *default setting

1=Sending (Tandem control data for AOC is sent out)

Note 1: When the destination node does not support AOC feature, be sure to assign AOC=0.

CLI-COL: CLI/COL Setting [0/1]

Choose whether to send CLI/COL to each counter office Point Code.

0=Not Setting

1=Setting

LOOK AHEAD: Look Ahead (Condition Look Ahead Routing - CCIS on the originating node) [0-3]

Select an enable/disable option for the Look Ahead Routing - CCIS feature to be implemented on the originating node. **Note 2**

0=Busy Enable (Restriction disable)

1=Restriction Enable (Busy disable)

2=Busy/Restriction Enable

3=Busy/Restriction Disable

Note 2: Perform this setup on the relaying node. Specify the option for the Originating Point Code.

Keep Destination IP Address

When CCIS Alternate Routing - Backup [C-178] is used and ASYDL, Index 804, Bit7=1 (IP address of destination node) is assigned, the destination IP address is retained by placing a check mark.

Note: Place a check mark when the destination node uses CCIS Networking via IP (By PHC) [C-163] in the Geographic Redundancy/UMGi-enabled Geographic Redundancy system.

- Check box: ON

The IP address for the destination PC is retained. Each call will arrive at the destination node of the assigned IP address. For details, see the Destination IP Address Update Timing section in Chapter1 of Geographic Redundancy Configuration Manual.

- Check box: OFF

Each call reroutes according to CIC number. From the second call, each call reroutes to the destination according to the order of CNT (starting from CNT1). For example, if the first destination of alternative routing is CNT3, the destination changes in the following order:

CNT3 -> CNT1 -> CNT2 -> CNT4 -> CNT5...

Note: This check box is displayed since FP95-114 V4.

4. Data Sheet

DEST. POINT CODE (PC) 1-16367	COUNT NO. (CNT) 1-8	IP ADDRESS	MODE	TIMER 0-127	LINK RECON- NECTION (LKRCN) 0/1	AOC 0/1	CLI- COL 0/1	LOOK AHEAD 0-3	KEEP DEST. IP ADDRESS
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								

APIPN: Assignment of IP Address Data for Point Code for NDM

1. General

This command is used to assign, delete, and read out the IP address data to the Point Code (PC) of the destination node. IP address data is assigned for FCCS services per network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

None

3. Data Entry Instructions

PC: Destination Point Code [1-16367]

Enter the Point Code of Destination Node.

[IP Address List]

CNT: Count Number [1-8]

IP ADDRESS: IP Address for Destination Point Code

Enter the IP address data. If there are the data, it is displayed in the IP Address List (maximum 8 data). To change an IP address, select the IP address you wish to change from the list, change the IP address and then click the “SET” button. To add an IP address, create a new row in the list by clicking the “Add Row to Above” icon or the “Add Row to End” icon, enter the new IP address and click the “SET” button.

MODE: Mode of Connection

Select either of the radio buttons.

- Permanent Virtual Connection

Keep TCP Connection permanently.

- Switched Virtual Connection

Disconnect TCP Connection when firmware does not find a message on TCP transmitted/received in a fixed time set by TIMER.

TIMER: [0-127]

Used in Switched Virtual Connection. Determine the elapsed-time until disconnecting TCP Connection.

0=15 minutes (default setting)

1-127=1-127 minutes

LKRCN: Link Reconnection [0/1]

Assign the link reconnection data for more than 3-link configuration between two nodes in CCIS over IP (Point-to-Multipoint).

0=Link retry composition not process when multi connection (Node that does not execute link reconnection)

1=Link retry composition process when multi connection (Node that executes link reconnection)

Note: When destination node is the SV9500, SV8500, SV7000 or NEAX2400 IPX, set this parameter to "1." When destination node is the NEAX2000 IPS, SV8300 or SV9300, set this parameter to "0".

ADC: Access Code [Maximum six digits (0-9, *, #)] (Not used)

Enter the Access Code.

This parameter is valid only when multiple FCCS Networks via CCIS service are available.

AOC: Advice of Charge [0/1]

Choose whether to activate AOC feature in CCIS tandem connection. **Note 1**

0=Not Sending (Tandem control data for AOC is not sent out) *default setting

1=Sending (Tandem control data for AOC is sent out)

Note 1: When the destination node does not support AOC feature, be sure to assign AOC=0.

CLI-COL: CLI/COL Setting [0/1]

Choose whether to send CLI/COL to each counter office Point Code.

0=Not Setting

1=Setting

LOOK AHEAD: Look Ahead (Condition Look Ahead Routing - CCIS on the originating node) [0-3]

Select an enable/disable option for the Look Ahead Routing - CCIS feature to be implemented on the originating node. **Note 2**

0=Busy Enable (Restriction disable)

1=Restriction Enable (Busy disable)

2=Busy/Restriction Enable

3=Busy/Restriction Disable

Note 2: Perform this setup on the relaying node. Specify the option for the Originating Point Code.

Keep Destination IP Address

When CCIS Alternate Routing - Backup [C-178] is used and ASYDL, Index 804, Bit7=1 (IP address of destination node) is assigned, the destination IP address is retained by placing a check mark.

Note: Place a check mark when the destination node uses CCIS Networking via IP (By PHC) [C-163] in the Geographic Redundancy/UMGi-enabled Geographic Redundancy system.

- Check box: ON

The IP address for the destination PC is retained. Each call will arrive at the destination node of the assigned IP address. For details, see the Destination IP Address Update Timing section in Chapter1 of Geographic Redundancy Configuration Manual.

- Check box: OFF

Each call reroutes according to CIC number. From the second call, each call reroutes to the destination according to the order of CNT (starting from CNT1). For example, if the first destination of alternative routing is CNT3, the destination changes in the following order:

CNT3 -> CNT1 -> CNT2 -> CNT4 -> CNT5...

Note: This check box is displayed since FP95-114 V4.

4. Data Sheet

DEST. POINT CODE (PC) 1-16367	COUNT NO. (CNT) 1-8	IP ADDRESS	MODE	TIMER 0-127	LINK RECON- NECTION (LKRCN) 0/1	ACCESS CODE (ADC) MAXIMUM 6 DIGITS [0-9, *, #]	AOC 0/1	CLI- COL 0/1	LOOK AHEAD 0-3	KEEP DEST. IP ADDRESS
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									

APJSL: Assignment of Join Soft Phone for LDM

1. General

This command establishes the link between PS/wired telephone (such as a Desktop terminal and an analog telephone) and Softphone (DtermSP30 Software Version 3 or later) by assigning their User Group Numbers (UGN) and Telephone Numbers (TELN). This data is written in the Local Data Memory (LDM).

2. Precautions

None

3. Data Entry Instructions

UGN: PS/wired telephone User Group Number

TELN: PS/wired telephone Telephone Number

A maximum of 16 digits.

S_UGN: Soft Phone User Group Number

S_TELN: Soft Phone Telephone Number

A maximum of 16 digits.

SUBLF: Sub Line Flag [0/1]

Determine whether to use Address Book function via Softphone's Sub Line when using a Desktop terminal as handset.

0 = Not used (default)

1 = Used

4. Data Sheet

[illegible]

APJSN: Assignment of Join Soft Phone for NDM

1. General

This command establishes the link between PS/wired telephone (such as a Desktop terminal and an analog telephone) and Softphone (DtermSP30 Software Version 3 or later) by assigning their User Group Numbers (UGN) and Telephone Numbers (TELN). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

None

3. Data Entry Instructions

UGN: PS/wired telephone User Group Number

TELN: PS/wired telephone Telephone Number

A maximum of 16 digits.

S_UGN: Soft Phone User Group Number

S_TELN: Soft Phone Telephone Number

A maximum of 16 digits.

SUBLF: Sub Line Flag [0/1]

Determine whether to use Address Book function via Softphone's Sub Line when using a Desktop terminal as handset.

0 = Not used (default)

1 = Used

4. Data Sheet

[illegible]

APLNN: Assignment of Physical LENS Number for NDM

1. General

This command changes the existing station data allocated to each Telephone number (TELN) such as FPC, LENS, Tenant Number and Station.

2. Precautions

1. This command can only be used when logging in to the Network Control Node (NCN).
2. This command is used for business service only. (Not available for Hotel system and PCS stations.)
3. The new physical station allocated to the designated TELN must be the station that belongs to the NCN or the LN within the same FCCS Network link as the logged-in NCN.
4. When entering a new station that already has another Telephone Number, changing the station data cannot be executed.
5. If NUMBER SHARING is set to the old station designated by UGN/TELN, the Desktop terminal must be used at the new station. If equipment other than a Desktop terminal is used for the new station, station data change cannot be activated.
6. Station data changing cannot be executed for the UCD station.
7. If the designated old station has the HOT LINE data, station data changing is not available when Hot Line terminal is not used at the new station allocated.
8. If the designated old station is assigned as VPS station, also the new station allocated must be the VPS station. Otherwise, the station data changing cannot be activated.

3. Data Entry Instructions

UGN: User Group Number**TELN: Telephone Number**

Enter the desired Telephone Number for the station data changed. When the GET button is pressed, the existing station data allocated to the designated Telephone Number is read out.

OLD FPC: Now Fusion Point Code [1-253]**OLD LENS: Now Line Equipment Numbers****OLD TN: Now Tenant Number****OLD STN: Now station number****TYPE: Input type [LENS/STN]**

Select the input type whether the new station is determined by LENS or station number.

LENS=Line Equipment Numbers

STN=Station number

◆ When TYPE=LENS is selected:

NEW FPC: New Fusion Point Code [1-253]

Enter the Fusion Point Code of the Local Node to which the new station to be allocated belongs.

NEW LENS: New Line Equipment Numbers

Enter the Line Equipment Numbers of the new station to be allocated to the designated Telephone Number.

◆ When TYPE=STN is selected:

NEW FPC: New Fusion Point Code [1-253]

Enter the Fusion Point Code of the Local Node to which the new station to be allocated belongs.

NEW TN: New Tenant Number

Enter the Tenant Number of the new station to be allocated to the designated Telephone Number.

NEW STN: New station number

Enter the station number of the new station allocated to the designated Telephone Number.

4. Data Sheet

a.) When TYPE=LENS is selected

[illegible]

[illegible]

b.) When TYPE=STN is selected

[illegible]

[illegible]

APPDN: Assignment of Physical Station Pool Data for NDM

1. General

This command is used to create the physical station pool data (Reserved LENS location and station number range to start the searching) loaded when “Get Station Data” button is pressed on station data assignment of AUPDN command.

2. Precautions

1. The [Listup] button displays the Listup command (LPPDN) window, from which you can retrieve the LPPDN Listup Report by clicking the [EXECUTE] button. The report is displayed in a separate window and provides physical station pool data. The output of the data is available in a variety of formats.
2. The [Pool Number Used List] button displays the Listup command (LPPUDN) window, from which you can retrieve the LPPUDN Listup Report by clicking the [EXECUTE] button. This report is displayed in a separate window and provides the usage data of physical station pool. The output of the data is available in a variety of formats.

3. Data Entry Instructions

PNUM: Pool Number [1-255]

Assign Pool Number to specify a particular station pool.

FPC: Fusion Point Code [1-253]

Assign Fusion Point Code to which to set the pool data.

TEC: Telephone Equipment Class

3: DP/PB

12: Dterm

18: Virtual Line Appearance (for Dterm Multi-Line)

28: PS

STN / PS STN: Station number / PS station number (Note 1) [five digits]

Assign the beginning number of the range of the physical stations.

For PS stations, up to 1728 PS station numbers (physical station number including “*” and “#”) can be reserved. If one of the reserved station number is used for a PS, the number of the reserved station numbers becomes fewer.

Note 1: The PS station number to pool must be conformed to the numbering plan for STN of ASPA.

START LENS: Line Equipment Numbers to Start the Pool [MG, UNIT, GROUP] Note 2

Assign the first Line Equipment Numbers to allocate to the starting station in the pool data.

PSIZE: Pool Size Note 2

Assign the number of stations as follows.

- When the TEC=18 is specified: 8-256
- When the TEC except for TEC=18 is specified: 8-192

Note: Assign the number that is multiple of 8 (8, 16, 24...) for Pool Size.

END LENS: Line Equipment Numbers to End the Pool Note 2

This parameter is read-only and cannot be modified.

Note 2: This parameter is not displayed when Telephone Equipment Class (TEC) = "28: PS".

4. Data Sheet

[illegible]

APSGL: Assignment of Power Save Group ID for LDM

1. General

This command is for assignment and deletion of the power save group on the terminal power save function.

2. Precautions

None

3. Data Entry Instructions

The following command parameters are explained below.

TN: Tenant Number (1-63)

STN: Station number (Maximum 6 digits)

Enter a physical number as the station number

G-ID: Power save group ID (1-255)

No Power Saving

In case of setting group terminals that do not enter into power save mode, select the check box.

4. Data Sheet

Tenant Number (TN)	Station Number (STN)	Power Save Group ID (G-ID)	No Power Saving	Remarks

APSMCL: Assignment of Power Save Mode Change Data for LDM

1. General

This command is for assignment and deletion of the power save group on the terminal power save function.

2. Precautions

None

3. Data Entry Instructions

The following command parameters are explained below.

TYPE: Command type

Time Schedule

Immediate Switching

G-ID: Power save group ID (1-255)

Entry Power save group ID

◆ Select “TYPE: Time Schedule”

Power Save Mode

From Sunday to Saturday set the following parameters.

Disable:

Select the check box of the days that requires power feeding

Hour (0-23)

Minute (0/15/30/45)

Choose the starting time for power feeding

Enable:

Select the check box of the days that requires the use of power save mode

Hour (0-23)

Minute (0/15/30/45)

Choose the starting time for power save mode

◆ Select “TYPE: Immediate Switching”

Current Status

The present mode of the group is displayed with the color pattern.

Green: Power feed mode

Gray: Power save mode

Switching Mode

It changes the power save mode for the power save group.

Power Feed: power save mode is disabled

Power Save: power save mode is enabled

4. Data Sheet

Command Type (TYPE) Time Schedule/ Immediate Switching	Power Save Group ID (G-ID)	TYPE=Time Schedule						
		Day Of The Week	Power save mode cancellation (Disable)			Power save mode activation (Enable)		
			Check	Hour 0-23	Minute 0/15/30/45	Check	Hour 0-23	Minute 0/15/30/45
		Sun.						
		Mon.						
		Tue.						
		Wed.						
		Thu.						
		Fri.						
		Sat.						
		Sun.						
		Mon.						
		Tue.						
		Wed.						
		Thu.						
		Fri.						
		Sat.						
		Sun.						
		Mon.						
		Tue.						
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		Sat.						
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		Sat.						
		Sun.						
		Mon.						
		Tue.						
		Wed.						
		Thu.						
		Fri.						
		Sat.						
		Sun.						
		Mon.						
		Tue.						
		Wed.						
		Thu.						
		Fri.						
		Sat.						

ARAC: Assignment of Remote Access Code

1. General

This command is used when the system provides the Remote Access to System service feature for a TIE Line or DID Line.

2. Precautions

1. The Remote Access to System service feature is activated when the access code (assigned at ACC parameter of this command) is called from a TIE Line or a DID Line. This command assignment is not required when the Ringdown method incoming route is applied to the Remote Access to System service feature.
2. The Tenant Number of the Incoming Trunk (ICTK) is assigned by the ATRK command.
3. The ACC should be assigned a unique number conformable to the station number (STN) assigned by the Numbering Plan Data.
4. When the ASYD command, Index 43, b0=0 (Authorization Code required with Remote Access to System service feature) is assigned, the AATC/AMND command should also be assigned. In this case, the TN parameter of this command should correspond to the tenant number assigned by the AATC command.
5. To accomplish the Remote Access to System service feature, the following commands should also be assigned:
 - ARTD command, FA = 1
 - ASTD command, STM = 4, SYS = 0, ST = 1
 - ACSI command
 - ACFR command
 - ARRC command

3. Data Entry Instructions

ICTN: Tenant Number IC Trunk

Enter the Tenant Number assigned by the ATRK command.

ACC: Access Code [Maximum 5 digits]

Enter an in-dial number to begin the Remote Access to System service feature.

RM: Kind of R/M [R/M]

R=Remote Access Code

M=Manual Roaming

TN: Tenant Number Authorization Code

Enter the tenant number assigned by the AATC command.

4. Data Sheet

[illegible]

ARACN: Assignment of Remote Access Code for NDM

1. General

This command is used when the system provides the Remote Access to System service feature for a TIE Line or DID Line. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The Remote Access to System service feature is activated when the access code (assigned at ACC parameter of this command) is called from a TIE Line or a DID Line. This command assignment is not required when the Ringdown method incoming route is applied to the Remote Access to System service feature.
2. The Tenant Number of the Incoming Trunk (ICTK) is assigned by the ATRK command.
3. The ACC should be assigned a unique number conformable to the station number (STN) assigned by the Numbering Plan Data.
4. When the ASYD command, Index 43, b0=0 (Authorization Code required with Remote Access to System service feature) is assigned, the AATCN/AMNDN command should also be assigned. In this case, the TN parameter of this command should correspond to the tenant number assigned by the AATCN command.
5. To accomplish the Remote Access to System service feature, the following commands should also be assigned:
 - ARTDN command, FA = 1
 - ASTD command, STM = 4, SYS = 0, ST = 1
 - ACSI command
 - ACFRN command
 - ARRCN command

3. Data Entry Instructions

ICTN: Tenant Number IC Trunk

Enter the Tenant Number assigned by the ATRK command.

ACC: Access Code [Maximum 5 digits]

Enter an in-dial number to begin the Remote Access to System service feature.

RM: Kind of R/M [R/M]

R=Remote Access Code

M=Manual Roaming

TN: Tenant Number Authorization Code

Enter the tenant number assigned by the AATCN command.

4. Data Sheet

TENANT NUMBER OF IC TRUNK (ICTN)	ACCESS CODE (ACC) MAXIMUM 16 DIGITS	KIND OF R/M (RM)	TENANT NUMBER FOR AUTHORIZATION CODE (TN)	REMARKS

ARAI: Assignment of Remote Equipment Data by Autofill Input

1. General

This command automatically displays a list of UG50s that are registered with the Telephony Server, and provides information about them. Moreover, this command allows the user to efficiently enter office data for the registered UG50s to the Telephony Server.

Note: This command is available from FP95-114 V4 Issue 2.0.

Note: For the use of the command with the UG50, see "How to Use the ARAI Command to Assign or Delete Office Data for a UG50" section in Assignment of Basic Office Data chapter of Data Programming Manual - Business.

2. Precautions

- This command supports the following:

X: Available, N: Not Available

Device	Operation Mode	Device Type	Protocol Type	ARAI Display (SLOT2~6/ Card)	Display	Registration
UG50	Multi-slot mode	UG50 (DLC)	Proprietary Protocol	DLC	X	N
		UG50 (LC)[Proprietary Protocol/SIP]	Proprietary Protocol	LC	X	X
			SIP	LC [SIP]	X	X
		UG50 (PRT 1.5M) [Proprietary Protocol/SIP]	Proprietary Protocol	PRT (1.5M)	X	N
			SIP	PRT (1.5M) [SIP]	X	N
		UG50 (PRT 2.5M) [Proprietary Protocol/SIP]	Proprietary Protocol	PRT (2M)	X	N
			SIP	PRT (2M) (SIP)	X	N
		UG50 (COT-TYPE1)	Proprietary Protocol	COT (Type1)	X	N
		UG50 (COT-TYPE2) [Proprietary Protocol/SIP]	Proprietary Protocol	COT (Type2)	X	N
			SIP	COT (Type2) [SIP]	X	N
		UG50 (PGT-TYPE1)	Proprietary Protocol	COT (Type1) Note 1	X	N
		UG50 (PGT-TYPE2) [Proprietary Protocol/SIP]	Proprietary Protocol	COT (Type2) Note 1	X	N
			SIP	COT (Type2) [SIP] Note 1	X	N

Note 1: COT is displayed without differentiating between COT and PGT. For the differentiation of COT and PGT, judge from the RT (Route Number).

- If the Telephony Server encounters a communication problem with a UG50 card (for example, absence or improper installation of a card in a slot of a UG50) while collecting information about UG50s, the collection process cannot be completed. In that case, press the ABORT button and the process will be stopped.

3. This command displays in [List of Remote Equipment Data] and the Card drop down list, the type of cards installed in each UG50 (**Note 2**, **Note 3**), regardless of whether or not they are supported for the command. If an unsupported card is selected, the system disables the GET button, preventing access to the channel data of the card.

Note 2: Clicking the Refresh button updates the information shown in [List of Remote Equipment Data] and the Card drop down list, except the information about a UG50 card that has lost communication with the Telephony Server due to:

- absence or improper installation of the card in a slot of the UG50, or
- disconnection of the Ethernet cable from the VoIP port on the UG50.

For such UG50 cards, the state prior to the disruption is displayed.

Note 3: With no Digital terminal connected, the DLC card will not be able to communicate with the Telephony Server. In that case, information about the card cannot be retrieved or updated in the [List of Remote Equipment Data].

4. You cannot use the ARAI command to assign/delete the existing data of stations connected to a UG50 if the data is used by other commands such as ALGSN and ANDD.
5. The “Prevent Unintended Change of This Data” function is not available in this command. See “Command Operation” in PCPro Setup Manual for more details about this function.
6. The following processes are automatically stopped if the selection in [List of Remote Equipment Data] is changed while the process is in progress:
 - Channel data collection with the GET button
 - Channel data writing with the SET button
 - Channel data deletion with the DEL button
7. If the IP address of UG50 displayed in the List of Remote Equipment Data is changed and the UG50 is re-registered, both the IP addresses before and after the change are displayed. In this case, the office data for the UG50 can be assigned and deleted by selecting the IP address after the change. As for the IP address before the change, it is necessary to perform a system initialization to delete it.

3. Data Entry Instructions

Device Type

Fixed to “UG50.”

[List of Remote Equipment Data]

Up to 256 VoIP addresses for the UG50s are displayed in the list. The parameters in the list are read-only and cannot be modified directly.

Note: Consider the following points:

- The Refresh button refreshes the list with the latest information.
- Information about UG50 is not displayed in [List of Remote Equipment Data] when

the UG50 is:

- operating in IPG mode or Retrofit mode,
- unable to communicate with the Telephony Server, or
- running unsupported software.
- Initializing the Telephony Server removes all records of the UG50s currently displayed in the list.

#

The number of registered IP addresses of remote devices that performed registration is displayed.

IP ADDRESS

The IP address of the UG50. VoIP addresses are listed from top to bottom in the order that they are detected.

DEVICE NAME

The name of the UG50.

Note: If you modify the Device Name parameter in the UG50 that already has a channel registered with the Telephony Server, the old name prior to the modification may be displayed on the ARAI command screen, depending on the timing of the update on the UG50 side. This, however, does not affect the assignment of office data for the UG50. You can update the Device Name parameter in the ARAI command by re-starting the corresponding UG50.

SLOT 2: The name of card inserted in slot 2

The type of the card installed in Slot 2 of UG50. **Note 1**

SLOT 3: The name of card inserted in slot 3

The type of the card installed in Slot 3 of UG50. **Note 1**

SLOT 4: The name of card inserted in slot 4

The type of the card installed in Slot 4 of UG50. **Note 1**

SLOT 5: The name of card inserted in slot 5

The type of the card installed in Slot 5 of UG50. **Note 1**

SLOT 6: The name of card inserted in slot 6

The type of the card installed in Slot 6 of UG50. **Note 1**

Note 1: The column can include card types not supported for the ARAI command.

Choose Slot

Note: This section is displayed only when a record in [List of Remote Equipment Data] is selected.

Card: Slot and Card classification

Select the slot containing the card with the office data that you want to assign in the Telephony Server.

- SLOT2 (<Card type>) **Note 2**
- SLOT3 (<Card type>) **Note 2**
- SLOT4 (<Card type>) **Note 2**
- SLOT5 (<Card type>) **Note 2**
- SLOT6 (<Card type>) **Note 2**
- All (<Card type>) **Note 2, Note 3**

Note: The drop down list displays slots containing a card, regardless of whether or not the card is supported for the ARAI command. If a slot with an unsupported card is selected, the system disables the GET button, preventing access to the channel data of the card.

Note: The actual card type is indicated in the parentheses after slot number.

Note 2: The following card types can be shown in the parentheses:

- LC
- DLC
- PRT (1.5M)
- PRT (2M)
- COT (Type 1)
- COT (Type 2)
- LC [SIP]
- PRT (1.5M) [SIP]
- PRT (2M) [SIP]
- COT (Type 2) [SIP]

Note 3: Displayed when multiple cards of the same type are present in the UG50.

Autofill Specify

Note: [Autofill Specify] is displayed when the GET button is clicked. For details about the GET button, see “Consider the following about the GET button.”

Select the check box corresponding to the information you want to enter using the autofill functions. The following functions are available for each record in [List of Remote Equipment Office Data]:

Note: Autofill operates with two criteria:

- The lead value among the selected records.
- The value of already registered data among the selected records.

Value of already registered data criteria is the prevalent criteria. Even if autofill is operating with the lead value criteria, if there is already registered data, the value of already registered data criteria becomes prevalent and therefore autofill starts to use

the data from the already registered value. If there are several already registered values, already registered data criteria is used each time.

- Identical

The “Identical” autofill copies the current value of the specified fields into the corresponding fields in subsequent selected records (applies to only records selected below the current record).

- Count Up

The “Count Up” autofill populates the specified fields in the selected records with sequential numbers (with an increment of 1) starting from the number entered in the field in the top-most selected row. The sequential number generator counts in all records from the top-most to the bottom-most selected rows, even including the records not selected in between.

<Counting Station Numbers>

The “Count Up” autofill uses the following 12 symbols to count station numbers:

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #

Asterisk (*) and a pound (#) symbol are used to count beyond 9. After “#” is reached, the digit goes to zero and “1” is added to the digit in the next place to the left.

Note : In this autofill function, “*” and “#” are not counted as the last digit in a station number string. These symbols, however, are counted as the digits other than the last digit.

<Counting LENS>

The “Count Up” autofill uses the following 10 symbols to count LENS:

0, 1, 2, 3, 4, 5, 6, 7, 8, 9

The range of values for each area is as follows:

MG: 0 to 31 (The maximum value depends on the System Data.)

UNIT: 0 to 3

GROUP: 0 to 31

LEVEL: 0 to 7

Note : In counting up LENS, Group Numbers for Virtual PIR, 24 to 31, are also incremented. When using the “Count Up” autofill for LENS, be sure not to include Group Numbers for Virtual PIR between the top-most and the bottom-most selected rows.

When you click the **Apply** button, the office data is automatically entered into the specified fields for the selected records.

■ Identical

Select the check box for the field for which you want to use “Identical” autofill.

TN: Tenant Number

TEC: Telephone Equipment Class

RSC: Route Restriction Class

SFC: Service Feature Restriction Class

ADM/GST: Administration/Guest Station **Note 4**

ROOM CLASS: Room Class **Note 4**

ANNEX: Annex **Note 4**

GROUND: Ground/Underground **Note 4**

FLOOR: Floor **Note 4**

Note 4: Displayed only when the Hotel feature is enabled (ASYD, SYS1, Index 160, Bit 0 = 1).

■ Count Up

Select the check box for the field for which you want to use “Count Up” autofill.

STN: Station Number

LENS: Line Equipment Number

[List of Remote Equipment Office Data]

This list displays information for the channels of the specified UG50 device, including office data, and it allows the user to enter office data from one place.

Note: This list appears when the GET button is clicked.

Consider the following about the GET button.

- Other card types besides the UG50 (LC) cards may be displayed in [List of Remote Equipment Data], but the GET button is not available for unsupported devices and therefore their channels information cannot be readout.
- When the GET button is clicked, the Telephony Server communicates with the UG50 to collect and display information about all the channels for the specified UG50 card.
- The collection process, however, can be stopped at any time by clicking the ABORT button. In that case, [List of Remote Equipment Office Data] only displays the office data collected before the interruption.
- If multiple users click the GET button on or about the same time, the person who clicked it first gets priority and all others are denied and receive a pop-up error message.

Note: The SET button writes all of the data in the selected records to the Telephony Server; the DEL button deletes all of the data in the selected records from the Telephony Server. Once started, these processes cannot be stopped until they are completed.

All Select

Place a check mark in this check box if you want to select all records that can be assigned or deleted shown in [List of Remote Equipment Office Data].

SELECT

Select the check box next to each record with office data that you want to assign in (or delete from) the Telephony Server.

STS: Status (Read Only)

This column shows the execution result with different colors:

Gray: Office data has not been read. (Office data is not available.)

Red: Office data was not obtained due to an error. (Office data is not available.)

Yellow: Office data does not exist or office data is incomplete. (Office data can be written or deleted.)

Green: Office data is present. (Office data has been successfully read/written.)

SLOT: Slot Number [2-6] (Read Only)**MAC ADDRESS (Read Only)****CH: Channel Number (Read Only)****TN: Tenant Number [1 - 63]****STN: Station Number [Maximum Six Digits (0-9, *, #)]**

Note: If you enter a duplicate station number that already exists on [List of Remote Equipment Office Data] or in other commands (such as ASDT or AISTL), you cannot write it to the Telephony Server. To avoid duplication, make sure that station numbers are properly managed.

LENS: Line Equipment Number [Six Digits (MG, U, G, Lv)]

Assign a unique LENS to each station. Do not use a LENS that is already in use by other station/trunk.

Note: If you enter a duplicate LENS that already exists on [List of Remote Equipment Office Data] or in other commands (such as ASDT or AISTL), you cannot write it to the Telephony Server. To avoid duplication, make sure that LENS are properly managed.

Note: LENS from Virtual Groups xxx240 to xxx317 cannot be used for assigning UG50 stations or trunks.

TEC: Telephone Equipment Class [1-31]

(a) For the Business System

1 = DP (10 pps)

2 = PB

3 = DP/PB

4 = DP (20 pps)

14 = House Phone / Hot Line

(b) For the Hotel System

1 = DP (10 pps)

2 = PB

3 = DP/PB

4 = DP (20 pps)

5 = DP (10 pps)

6 = PB

7 = DP/PB

8 = DP (20 pps)

9 = House Phone (Administration)

10 = House Phone (Guest)

14 = House Phone / Hot Line

KIND: Kind of IP (Read Only)

Analog MC

8MC (SIP)

Note: For UG50 (LC) [Proprietary Protocol], "Analog MC" is displayed. For UG50 (LC) [SIP], "8MC (SIP)" is displayed.

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC command within the range of 0 to 15.

SFC: Service Feature Restriction Class [0-15]

Enter the SFC defined by the ASFC command within the range of 0 to 15.

ADM/GST: Administration/Guest Station

Note: Displayed only for the Hotel system.

ADM (Administration Station)

GST (Guest Station)

ROOM CLASS [0-15]

Note: Displayed only for the Hotel system.

ANNEX

Note: Displayed only for the Hotel system.

Main Building

Annex 1

Annex 2

Annex 3

GROUND: Ground/Underground

Note: Displayed only for the Hotel system.

Ground

Under Ground

FLOOR [1-127]

Note: Displayed only for the Hotel system.

RESULT: Processed Result (Read Only)

This column shows the processing result.

4. Data Sheet

[illegible]

[illegible]

[illegible]

Note 1: Displayed only for the Hotel system.

ARDN: Assignment of Remote Control Day/Night

1. General

This command assigns the data related to the Centralized Day/Night Mode Change service feature.

2. Precautions

1. This command is used only at the Main office that controls the Day/Night mode for the satellite office via the CCIS link.
2. When there are multiple satellite offices created by grouping tenant numbers, the mode can be changed on all the satellite offices or on a per tenant basis.
3. For the Main office, the related indexes of the ASYD command are as follows:

SYS1, Index 18, b6 (Day/Night change of satellite office) 0/1 = Out of service/In service

SYS1, Index 75, b0 (ARSC/ARSCN command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b1 (ASFC/ASFCN command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b2 (ATNR command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b3 (ATDP/ATDPL/ATDPN command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b4 (AEFR/AEFRN command Day/Night table) 0/1 = common/separate

For the Satellite office, the related indexes of the ASYD command are as follows:

SYS1, Index 18, b7 (Day/Night change is executed by the Main Office) 0/1 = Out of service/In service

SYS1, Index 19, b0-3 (Tenant (TN=1-15) of the main office to which the satellite office belongs)

SYS1, Index 75, b0 (ARSC/ARSCN command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b1 (ASFC/ASFCN command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b2 (ATNR command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b3 (ATDP/ATDPL/ATDPN command Day/Night table) 0/1 = common/separate

SYS1, Index 75, b4 (AEFR/AEFRN command Day/Night table) 0/1 = common/separate

3. Data Entry Instructions

INDEX: Point Code Index [0-15]

Enter an arbitrary unique number within the range from 0 to 15.

PC: Point Code [1-16383]

Enter the PC of satellite office.

4. Data Sheet

POINT CODE INDEX (INDEX) 0 – 15	POINT CODE (PC) 1 – 16383	REMARKS
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

AREF: Assignment of Reference Number Information Data

1. General

This command is used to assign Reference Number for ISDN feature.

2. Precautions

None

3. Data Entry Instructions

REF: Reference Number [Maximum 18 digits (0-9, *, #)]

Enter the specified Reference Number within 18 digits.

RT: Outside Route Number [1-255]

TK: Trunk Number [1-255]

4. Data Sheet

[illegible]

AREF_LR: Assignment of Reference Number Information Data – Logical Route Number

1. General

This command is used to assign Reference Number for ISDN feature. Route number of the AREF command can be assigned by using Logical Route.

2. Precautions

1. Prior to this command, logical route data must be allocated by using the ALRTN command.
2. Only when logging in to the Network Control Node (NCN), this command can be used to assign the data of self-node and the other Nodes in the FCCS Network. If logging into a Local Node (LN), data setting only for the self-node is available.

3. Data Entry Instructions

FPC: Fusion Point Code [1-253]

This parameter appears when logging in to the NCN only. Enter the FPC of the target Node. After FPC and REF data is designated, the existing data can be read out by clicking the GET button.

REF: Reference Number [Maximum 18 digits (0-9, *, #)]

Enter the specified Reference Number within 18 digits.

LGRT: Logical Route Number [1-899]

RT: Outside Route Number [1-255]

TK: Trunk Number [1-255]

4. Data Sheet

[illegible]

ARNP: Assignment of Reverse Numbering Plan Data

1. General

This command assigns the Access Code for each individual route in accordance with the ARTD command.

2. Precautions

1. The ARNP command assignment is required in either of the following cases:
 - (a) ASPA command SRV = "LCR: Least Cost Routing" or "LCRS: Register Sender LCR"
 - (b) ARTD command SMDR=1 (SMDR is provided)
2. The reversed number (ACC) assigned in this command is output to the SMDR as an access code for the originating call.
3. The same access code can be assigned to different routes; however, multiple access codes cannot be assigned to one route.
4. If Centralized Billing-CCIS, Call Back-CCIS, and Calling/Called Number Display-CCIS service is provided in the Open Numbering Network, the following data should be assigned:

RT= 0

ACC= The Office Code of the self office (including ACC for the originating call)
5. When programming the reverse numbering plan data for ISDN/CCIS, assign the B-Channel/voice channel trunk route in the RT parameter.

3. Data Entry Instructions

RT: Route Number [0-255]

The external trunk route number.

Note: Enter "0" for the self office identification code for CCIS.

ACC: Access Code [Maximum four digits]

Enter the Access Code.

4. Data Sheet

[illegible]

ARNPL: Assignment of Reverse Numbering Plan Data for LDM

1. General

This command assigns the Access Code for each individual logical route in accordance with the ARTDN command.

2. Precautions

1. The ARNPL command assignment is required in either of the following cases:
 - (a) ASPAL/ASPAN command SRV = "LCR: Least Cost Routing" or "LCRS: Register Sender LCR"
 - (b) ARTD/ARTDN command SMDR=1 (SMDR is provided)
2. The reversed number (ACC) assigned in this command is output to the SMDR as an access code for the originating call.
3. The same access code can be assigned to different logical routes; however, multiple access codes cannot be assigned to one logical route.
4. When programming the reverse numbering plan data for ISDN/CCIS, assign the B-Channel/voice channel trunk route in the LGRT parameter.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

The external trunk route number. When the system is configured as a standalone, register the Physical Route Number.

ACC: Access Code [Maximum four digits]

Enter the Access Code.

4. Data Sheet

[illegible]

ARNPN: Assignment of Reverse Numbering Plan Data for NDM

1. General

This command assigns the Access Code for each individual logical route in accordance with the ARTDN command.

2. Precautions

1. The ARNPN command assignment is required in either of the following cases:
 - (a) ASPAL/ASPAN command RV = "LCR: Least Cost Routing" or "LCRS: Register Sender LCR"
 - (b) ARTD/ARTDN command SMDR=1 (SMDR is provided)
2. The reversed number (ACC) assigned in this command is output to the SMDR as an access code for the originating call.
3. The same access code can be assigned to different logical routes; however, multiple access codes cannot be assigned to one logical route.
4. When programming the reverse numbering plan data for ISDN/CCIS, assign the B-Channel/voice channel trunk route in the LGRT parameter.

3. Data Entry Instructions

LGRT: Logical Route Number [1-899]

The external trunk route number.

ACC: Access Code [Maximum four digits]

Enter the Access Code.

4. Data Sheet

[illegible]

ARPC: Assignment of Remote Point Code for Centralized Service

1. General

This command assigns the data related to the Message Center Interface - CCIS service feature.

2. Precautions

1. This command is used only at the main office of the Message Center Interface - CCIS service feature.
2. The MCI is installed at the main office of the CCIS Network, and the MCI text is transmitted (or received) to (from) the external VMS when an event treated by the MCI service feature has occurred at the satellite office.

3. Data Entry Instructions

CSN: Centralized Service Number [1-7]

1=Message Center

2-7=Not used

CNT: Remote Point Code Counter [1-32]

RPC: Remote Point Code [1-16383]

Enter the PC of the satellite office.

4. Data Sheet

CENTRALIZED SERVICE NUMBER (CSN) 1-7	REMOTE POINT CODE COUNTER (CNT) 1-32	REMOTE POINT CODE (RPC) 1-16383	REMARKS
1	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		
	32		

ARPM: Assignment of Remote Node Information

1. General

The ARPM command provides you a function to register/change/delete information on a RN.

Note: This command only can be used when logging in to CCN.

2. Data Entry Instructions

LP No: LP number

Office Name: Office name to LP number [Maximum of ASCII 20 characters] (Option)

Changeover Mode: The changeover mode for a RN

- Manual: Manual changeover
- Automatic: Automatic changeover

Transfer Mode: Transfer mode of office data

- Manual: Manual operation
- Automatic: Automatic operation

3. Data Sheet

[illegible]

ARRC: Assignment of Alternative Route Restriction

1. General

This command is used to establish trunk tandem connection.

2. Precautions

1. The ASTD command is also required to access the trunk tandem connections including the C.O. line.
2. When the ARI D-RES parameter is set to 2 (Toll Restriction is required), the ATDP command designates the connection allowed area (office) code.
3. When a trunk call is manually transferred from a station to an outside party using trunk tandem connection, parameters used to implement a routing restriction policy depend on the System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 5).

Note: The System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 5) is available since FP95-113 V3.

3. Data Entry Instructions

IC RT: Incoming External Route Number [1-255]

OG RT: Outgoing External Route Number [1-255]

ARI A-RES: Restriction Data for Alternative Route Index-A [0/1]

Tandem connection for manual trunk-to-trunk call transfer via station/attendant.

0: Alternate routing is Restricted

1: Alternate routing is Allowed

ARI D-RES: Restriction Data for Alternative Route Index-D [0-2]

Tandem connection for automatic trunk-to-trunk call forwarding.

0: Alternate routing is Restricted

1: Alternate routing is Allowed

2: Toll Restriction is required

4. Data Sheet

INCOMING ROUTE NUMBER (IC RT)	OUTGOING ROUTE NUMBER (OG RT)	(ARI A-RES) 0/1	(ARI D-RES) 0 - 2	REMARKS

ARRCN: Assignment of Alternative Route Restriction for NDM

1. General

This command establishes trunk tandem connection (Logical route to Logical route via the FCCS Network). This data is written in the NDM of the NCN.

2. Precautions

1. The ASTD command is also required to access trunk tandem connections including C.O. line.
2. When you set the ARI D-RES parameter to 2 (Toll Restriction is required), you need to use the ATDPN command to specify area (office) codes to which outgoing calls are allowed.
3. When you set the ARI A-RES parameter to 2 (**Note 1**) (Toll Restriction is required), consider the following:
 - When the System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 5) is set to 0, whether or not to allow toll calls depends on the value of the System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 6) (**Note 2**).
 - When the System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 5) is set to 1, you need to use the ATDPN command to specify area (office) codes to which outgoing calls are allowed.

Note: The System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 5) is available since FP95-113 V3.

Note 1: This option is available since FP95-113 V3.

Note 2: The System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 6) is available since FP95-113 V3.

4. The following table shows the applicable data assignment of the ARI A-RES and ARI D-RES parameters.
 - ASYDL/ASYDN, SYS1, Index 1393, Bit 5 = 0:

When a station places an incoming trunk call on hold and transfers it to another trunk, this option controls tandem connection for trunk-to-trunk call transfer based on Restriction Data for Alternative Route Indexes (ARI A-RES and ARI D-RES) of the ARRC/ARRCN command and Route Restriction Index 3 (RRI = 3) of the ARSC/ARSCN command.

ARI A-RES	ARI D-RES	TANDEM CONNECTION FOR MANUAL TRUNK-TO-TRUNK CALL TRANSFER VIA STATION/ATTENDANT	TANDEM CONNECTION FOR AUTOMATIC TRUNK-TO-TRUNK CALL FORWARDING
0	0	Restricted	Restricted
1	0	Allowed Note 1	Restricted
2 Note 2	0	Allowed Note 3	Restricted
1	1	Allowed	Allowed

ARI A-RES	ARI D-RES	TANDEM CONNECTION FOR MANUAL TRUNK-TO-TRUNK CALL TRANSFER VIA STATION/ATTENDANT	TANDEM CONNECTION FOR AUTOMATIC TRUNK-TO-TRUNK CALL FORWARDING
1	2	Allowed	Depends on setting of ATDPN/ AARPN command
0	1	Restricted	Allowed
0	2	Restricted	Depends on setting of ATDPN/ AARPN command
2 Note 2	1	Allowed Note 3	Allowed
2 Note 2	2	Allowed Note 3	Depends on setting of ATDPN/ AARPN command

Note 1: For stations, manual trunk-to-trunk transfer using BLIND TRANSFER TO STATION [B-18] or CALL TRANSFER - ALL CALLS [C-11] is restricted.

Note 2: This option is available since FP95-113 V3.

Note 3: When the System Data (ASYDL/ASYDN, SYS1, Index 1393, Bit 6) is set to 1, tandem connection for manual trunk-to-trunk call transfer is restricted.

- ASYDL/ASYDN, SYS1, Index 1393, Bit 5 = 1:

When a station places an incoming trunk call on hold and transfers it to another trunk, this option controls tandem connection for trunk-to-trunk call transfer based on Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command.

ARI A-RES	ARI D-RES	TANDEM CONNECTION FOR MANUAL TRUNK-TO-TRUNK CALL TRANSFER VIA STATION/ATTENDANT	TANDEM CONNECTION FOR AUTOMATIC TRUNK-TO-TRUNK CALL FORWARDING
0	0	Restricted	Restricted
1	0	Allowed	Restricted
2 Note 4	0	Depends on setting of ATDPN/ AARPN command	Restricted
1	1	Allowed	Allowed
1	2	Allowed	Depends on setting of ATDPN/ AARPN command
0	1	Restricted	Allowed
0	2	Restricted	Depends on setting of ATDPN/ AARPN command
2 Note 4	1	Depends on setting of ATDPN/ AARPN command	Allowed
2 Note 4	2	Depends on setting of ATDPN/ AARPN command	Depends on setting of ATDPN/ AARPN command

Note 4: This option is available since FP95-113 V3.

3. Data Entry Instructions

IC LGRT: Incoming External Logical Route Number [1-899]

OG LGRT: Outgoing External Logical Route Number [1-899]

ARI A-RES: Restriction Data for Alternative Route Index-A [0-2]

Tandem connection for manual trunk-to-trunk call transfer via station/attendant.

0: Alternate routing is Restricted

1: Alternate routing is Allowed

2: Toll Restriction is required **Note 1**

Note 1: This option is available since FP95-113 V3.

ARI D-RES: Restriction Data for Alternative Route Index-D [0-2]

Tandem connection for automatic trunk-to-trunk call forwarding.

0: Alternate routing is Restricted

1: Alternate routing is Allowed

2: Toll Restriction is required

4. Data Sheet

INCOMING LOGICAL ROUTE NUMBER (IC LGRT) 1-899	OUTGOING LOGICAL ROUTE NUMBER (OG LGRT) 1-899	(ARI A-RES) 0 - 2 Note 1	(ARI D-RES) 0 - 2	REMARKS

Note 1: For software versions earlier than FP95-113 V3, possible values are 0 or 1.

ARSC: Assignment of Route Restriction Class

1. General

This command assigns route restriction information according to the Route Restriction Class (RSC) of the station and the Route Number (RT).

2. Precautions

1. Data can be entered on a Day/Night basis, if specified in ASYD command, SYS1, Index 75, b0=1.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data of this command is common for all tenants (ASYD command, SYS1, Index 92, b4=1), assign TN parameter as data "1" for all tenants.
3. The displayed Route Restriction Class (RSC) corresponds to the one assigned by the ASDT command.
4. The details of each RRI are as follows:

RRI	DESCRIPTIONS
RRI-0	Trunk incoming connection with an Attendant Console (or a station) assistance.
RRI-1	Trunk incoming connection without assistance.
RRI-2	Trunk outgoing connection with an Attendant Console (or a station) assistance.
RRI-3	Trunk outgoing connection without assistance. Note: For the dummy route, assign the data to RRI-3 only

5. The Restriction Data (RES) is entered in the text box where RSC and RRI cross.
6. When RES=2 is assigned in RRI=3, ATDP/AARP (Toll Restriction-3/6 digits) should be assigned to specify the connection allowed area.
7. The parameter RES=2 (Toll Restriction is allowed) is valid only when the parameter RRI=3 (OG Restriction Directly) is assigned.

3. Data Entry Instructions

D/N: Day/Night Mode

- Day Mode
- Night Mode

TN: Tenant Number

Enter the tenant number that affects this restriction table.

RT: Route Number [1-255]

Enter the trunk route number assigned by the ARTD/ATRK commands.

RRI: Route Restriction Index [0-3]

RRI-0=IC Restriction via ATT/STA

RRI-1=IC Restriction Directly

RRI-2=OG Restriction via ATT/STA

RRI-3=OG Restriction Directly

See Precaution 4 for more details.

RSC: Route Restriction Class [0-15]

RES: Restriction Data [0-2]

Restriction data is assigned in the columns where RRI and RSC cross. When unassigned, RES for the corresponding item is recognized as 0 (Restriction Status).

0 = Restricted

1 = Connection is allowed

2 = Toll (Conditional) Restriction

4. Data Sheet

DAY/ NIGHT MODE D/N	TENANT NUMBER (TN)	ROUTE NUMBER (RT)	ROUTE RESTRICTION INDEX	ROUTE RESTRICTION CLASS															
				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																

ARSCN: Assignment of Route Restriction Class for NDM

1. General

This command assigns route restriction information according to the Route Restriction Class (RSC) of the station and the Logical Route Number in the FCCS Network.

2. Precautions

1. Data can be entered on a Day/Night basis, if specified in ASYDN command, SYS1, Index 75, b0=1.
2. The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8. If data in this command is common for all tenants (ASYDN command, SYS1, Index 800, b6=1), assign the TN parameter as data "1" for all tenants.
3. The displayed Route Restriction Class (RSC) corresponds to the one assigned by the ASDT command.
4. The details of each RRI are as follows:

RRI	DESCRIPTIONS
RRI-0	Trunk incoming connection with an Attendant Console (or a station) assistance.
RRI-1	Trunk incoming connection without assistance.
RRI-2	Trunk outgoing connection with an Attendant Console (or a station) assistance.
RRI-3	Trunk outgoing connection without assistance. Note: For the dummy route, assign the data to RRI-3 only

5. The Restriction Data (RES) is entered in the text box where RSC and RRI cross.
6. When RES=2 is assigned in RRI=3, ATDPN/AARPN (Toll Restriction-3/6 digits) should be assigned to specify the connection allowed area.
7. The parameter RES=2 (Toll Restriction is allowed) is valid only when the parameter RRI = 3 (OG Restriction Directly) is assigned.

3. Data Entry Instructions

D/N: Day/Night Mode

- Day Mode
- Night Mode

TN: Tenant Number

Enter the Tenant Number that affects this restriction table.

LGRT: Logical Route Number [1-899]

Enter the unique Logical Route Number in the FCCS Network.

RRI: Route Restriction Index [0-3]

RRI-0=IC Restriction via ATT/STA

RRI-1=IC Restriction Directly

RRI-2=OG Restriction via ATT/STA

RRI-3=OG Restriction Directly

See Precaution 4 for more details.

RSC: Route Restriction Class [0-15]

RES: Restriction Data [0-2]

Restriction data is assigned in the columns where RRI and RSC cross. When unassigned, RES for the corresponding item is recognized as 0 (Restriction Status).

0 = Restricted

1 = Connection is allowed

2 = Toll (Conditional) Restriction

Note: RES=2 can be set only when RRI-3.

4. Data Sheet

DAY/ NIGHT MODE D/N	TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT) 1-899	ROUTE RESTRICTION INDEX	ROUTE RESTRICTION CLASS															
				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
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			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																
			RRI-0																
			RRI-1																
			RRI-2																
			RRI-3																

ARTD: Assignment of Route Class Data

1. General

This command assigns the Route Class Data.

2. Precautions

1. The ARTD command should be assigned for all external trunk routes and the dummy route for LCR/LCRS.
2. The applicable number of external trunk routes are designated by the ASYD command, SYS1, Index 65.
3. The standard route class data is shown in the example (that is listed after the parameter descriptions).
4. Parameters TCMN through MT are effective only when 4 (MF) is assigned to parameter ONSG or INSG. For all other trunk routes, assign "0" to all of these data.
5. When any difference has been found between the retrieved data and modified/deleted data, and when VIR=1, 2, or 3 is assigned in the ARTI command, a message dialog appears to urge that the command SCVT be activated in order to change the virtual trunk operation data.
6. To change the data for existing route (RT), initialize or reboot the trunk device such as circuit card, MG, or VS32.

3. Data Entry Instructions

See the Data Sheet in Section 4.

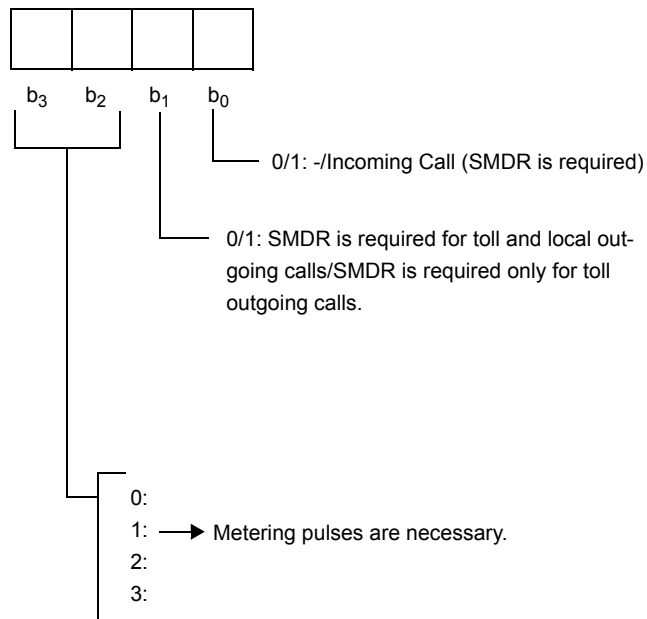
4. Data Sheet

FUNCTION			RT						REMARKS
1	OSGS	Signal Interface for Outgoing 0 = CCIS 1 = RingDown 2 = Second Dial Tone 3 = Not used 4 = Sender (Immediate Start) Note 1 5 = Not used 6 = Sender (Delay Dial Start) 7 = Sender (Wink start) 8-15= Not used							Note1: The signal selection in ONSG should be DP.
2	ONSG	Signal Selection for Outgoing 0 = Not used 1 = DP, 10 pps, 33% Make 2 = PB, 60 milliseconds Interruption or CCIS or ISDN 3 = DP/PB 4 = MF 5 = DP, 20 pps, 33% Make 6 = Not used 7 = DP, 20 pps, 50% Make 8 = PB, 120 milliseconds Interruption 9 = DP, 10 pps, 40% Make 10 = MFC 11-15= Not used Note: The option "PB, 60 milliseconds Interruption" is only valid for UG50. (Other options are not valid.)							
3	ISGS	Signal Interface for Incoming 0 = CCIS 1 = Ring Down 2 = Second Dial Tone 3 = Not used 4 = Sender (Immediate Start) Note 1 5 = Not used 6 = Sender (Delay Dial Start) 7 = Sender (Wink Start) 8-15= Not used							Note1: The signal selection in INSG should be DP.
4	INSG	Signal Selection for Incoming 0 = Not used 1 = DP, 10 pps, 33% Make 2 = PB, 60 milliseconds Interruption or CCIS 3 = DP/PB 4 = MF 5 = DP, 20 pps, 33% Make 6 = Not used 7 = DP, 20 pps, 50% Make 8 = PB, 120 milliseconds Interruption 9 = DP, 10 pps, 40% Make 10 = MFC 11-15= Not used							
5	TF	Type of Trunk Function 0 = Not used 1 = Outgoing Trunk (OGT) 2 = Incoming Trunk (ICT) 3 = Bothway Trunk (BWT)							

FUNCTION			RT						REMARKS
6	TCL	Trunk Class Specify the kind of trunk 1 = DDD Line 2 = FX 3 = WATS Line 4 = Tie Line/Announcement Trunk 5 = CCSA 6 = Toll Terminal 7 = CAS Line 8 = Paging 9 = Code Call Trunk 10 = Dictation Trunk 11 = General Paging 12 = Radio Paging Trunk 13 - 31 = Not used							
7	L/T	Line/Trunk Identification 0 = Not used (Line) 1 = Trunk	1	1	1	1	1	1	Always assign data "1."
8	RLP	Trunk Release Pattern 0 = Calling Party Release (Outgoing only) 1 = Not used 2 = First Party Release (either station or trunk side) 3 = Not used							
9	TQ	Outgoing Trunk Queuing 0 = Out of service 1 = In service							
10	SMDR	Detailed Billing Information 0 = SMDR Out of service 1 = SMDR In service (ORT required for receiving all dialed digits)							
11	TD	Tool Denial Battery Reversal	0	0	0	0	0	0	Always assign data "0."
12	DR	Distinctive Ringing Pattern This parameter designates whether distinctive ringing will be provided for an incoming call. 0 = Distinctive Ringing is not required (ASYD, SYS3, Index 3, b0=0) 1 = Distinctive Ringing is required (ASYD, SYS3, Index 3, b0=1)							
13	AC	Flexible Routing Pattern Designation When outgoing route selection pattern number is to be determined by the AFRS command, "1" is to be assigned if the Access Code is included in the Number Pattern Code (NPC) 0 = When flexible routing is executed, numbers are translated excluding the Access Code 1 = When the flexible routing is executed, numbers are translated including the Access Code.							This data is valid for dummy routes. Assign data "1" for the dummy route.
14	TNT	Tenant Number Check 0 = Tenant Number check is not required in trunk selection.							This data should always be assigned as "0."

FUNCTION			RT						REMARKS
15	LSG	Line Signal 0 = Loop 1 = Ground Start 2 = CDH 3 = Caller ID (Loop) 4 = Loop 5 = E&M 6 = DX 7 = 24V4 8 = Loop DID 9 - 11 = Not used 12 = Speech Line (for CCIS or Bch of ISDN) 13 = Signal Line (for CCIS or Dch of ISDN) 14 = Caller ID (Ground Start) 15 = Not used	C.O. line Tie Line						
16	SMDR2	Detailed Billing Information							See Figure "SMDR2 (ARTD)" and Table "SMDR2 (ARTD)".
17	H/M	Hotel Service in CCIS 0 = Out of service 1 = In service							
18	MC		0	0	0	0	0	0	Always assign data "0."
19	ANI	E911 - ANI Service 0 = Out of service 1 = In service							
20	D		0	0	0	0	0	0	Always assign data "0."
21	MSB		0	0	0	0	0	0	Always assign data "0."
22	MSW		0	0	0	0	0	0	Always assign data "0."

FUNCTION			RT						REMARKS
23	TR	For the incoming call with MFC signaling: 0 = - 1 = ICPT transfer by Group-II Signal is not executed. Note: This data is applied to the incoming route when Group-II with Priority is assigned for MFC-DID incoming call. When TR=0 is assigned, ICPT transfer to Attendant is applied unconditionally. (Australia, Thailand, Singapore, and Brazil) Note: On terminating an overseas incoming call with MFC-DID, ICPT transfer to Attendant is applied when TR=0 is assigned to the outgoing route of the tandem connection. (Singapore) For the incoming call via ISDN, to terminate the overseas incoming call to the Attendant restricting the tandem connection: 0 = Tandem Connection is restricted (ICPT transfer to Attendant) 1 = Tandem Connection is allowed Note: This data is applied to the outgoing route of the tandem connection.							

SMDR2 (ARTD)**Example:**

b_3	b_2	b_1	b_0
0	0	0	1
8	4	2	1

b_0 =bit 0
 b_1 =bit 1...

The following explains what hexadecimal data "1" means for SMDR2:

- For incoming calls SMDR is required because b_0 is assigned as "1".
- SMDR is required for toll and local outgoing calls because b_1 is assigned as "0".
- Metering pulses are detected by the system; therefore $b_2=0$ and $b_3=0$.

SMDR2 (ARTD)

CONTENTS/INPUT		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
b0	0-Detailed billing is not required for incoming calls.	x		x		x		x									
	1-Detailed billing is required for incoming calls.		x		x		x		x								
b1	0-Detailed billing is required for toll and local outgoing calls.	x	x			x	x										
	1-Detailed billing is required only for toll out-going calls.			x	x			x	x								
b2,3	0-																
	1-Metering pulses are used.					x	x	x	x								
	2-																
	3-																

FUNCTION			RT				REMARKS
24	OC	0 = - 1 = Originating Category Information is used					For MFC signaling (Brazil and Mexico)
25	R/L	Attendant-Identification of Incoming Trunk Display. 0 = TN, RT, TK display 1 = C.O. line number display					
26	RVSD	Trunk Reversal Identification This data is necessary when a specific Trunk route provides battery reversal for answer supervision. 0 = Battery Reversal System 1 = Third Wire System					
27	TL	Tone Level	0	0	0	0	Always assign data "0."
28	ANS	Answer signal from Trunk side. 0 = No answer signal is given. 1 = Answer signal is given.					
29	TELP	Time Elapse Indication Service 0 = Out of service 1 = In service					Time Elapse Indication (TELP) is a warning tone sent to the caller after a predetermined period of time has elapsed (usually three minutes).

FUNCTION			RT					REMARKS															
30	PAD	This data determines PAD control on the circuit card. 0 1 2 Actual PAD value for 0 to 6 depends on PAD ROM 3 on each circuit card. 4 (See Circuit Card Description.) 5 6 7 = PAD-OFF(0db)																					
31	OGRL	Release timing for outgoing trunk connection. <table><tr><td>0 = 608 milliseconds</td><td>1 = 224 milliseconds</td></tr><tr><td>2 = 288 milliseconds</td><td>3 = 352 milliseconds</td></tr><tr><td>4 = 416 milliseconds</td><td>5 = 480 milliseconds</td></tr><tr><td>6 = 544 milliseconds</td><td>7 = 608 milliseconds</td></tr><tr><td>8 = 672 milliseconds</td><td>9 = 736 milliseconds</td></tr><tr><td>10 = 800 milliseconds</td><td>11 = 864 milliseconds</td></tr><tr><td>12 = 928 milliseconds</td><td>13 = 992 milliseconds</td></tr><tr><td>14 = 1056 milliseconds</td><td>15 = 1120 milliseconds</td></tr></table>	0 = 608 milliseconds	1 = 224 milliseconds	2 = 288 milliseconds	3 = 352 milliseconds	4 = 416 milliseconds	5 = 480 milliseconds	6 = 544 milliseconds	7 = 608 milliseconds	8 = 672 milliseconds	9 = 736 milliseconds	10 = 800 milliseconds	11 = 864 milliseconds	12 = 928 milliseconds	13 = 992 milliseconds	14 = 1056 milliseconds	15 = 1120 milliseconds					- Normally assign data “0” - For ISDN, see Table "Examples of Route Class Settings (ARTD)". (Examples of Route Class Settings) - This function does not work for UG50.
0 = 608 milliseconds	1 = 224 milliseconds																						
2 = 288 milliseconds	3 = 352 milliseconds																						
4 = 416 milliseconds	5 = 480 milliseconds																						
6 = 544 milliseconds	7 = 608 milliseconds																						
8 = 672 milliseconds	9 = 736 milliseconds																						
10 = 800 milliseconds	11 = 864 milliseconds																						
12 = 928 milliseconds	13 = 992 milliseconds																						
14 = 1056 milliseconds	15 = 1120 milliseconds																						
32	ICRL	Release timing for incoming trunk connections. <table><tr><td>0 = 288 milliseconds</td><td>Note 1 1 = 224 milliseconds</td></tr><tr><td>2 = 288 milliseconds</td><td>3 = 352 milliseconds</td></tr><tr><td>4 = 416 milliseconds</td><td>5 = 480 milliseconds</td></tr><tr><td>6 = 544 milliseconds</td><td>7 = 608 milliseconds</td></tr><tr><td>8 = 672 milliseconds</td><td>9 = 736 milliseconds</td></tr><tr><td>10 = 800 milliseconds</td><td>11 = 864 milliseconds</td></tr><tr><td>12 = 928 milliseconds</td><td>13 = 992 milliseconds</td></tr><tr><td>14 = 1056 milliseconds</td><td>15 = 1120 milliseconds</td></tr></table>	0 = 288 milliseconds	Note 1 1 = 224 milliseconds	2 = 288 milliseconds	3 = 352 milliseconds	4 = 416 milliseconds	5 = 480 milliseconds	6 = 544 milliseconds	7 = 608 milliseconds	8 = 672 milliseconds	9 = 736 milliseconds	10 = 800 milliseconds	11 = 864 milliseconds	12 = 928 milliseconds	13 = 992 milliseconds	14 = 1056 milliseconds	15 = 1120 milliseconds					- Normally assign data “0.” - For ISDN, see Table "Examples of Route Class Settings (ARTD)" (Example of Route Class Settings). - This function does not work for UG50. Note1: 160 milliseconds in the case of Loop Dialing Trunk.
0 = 288 milliseconds	Note 1 1 = 224 milliseconds																						
2 = 288 milliseconds	3 = 352 milliseconds																						
4 = 416 milliseconds	5 = 480 milliseconds																						
6 = 544 milliseconds	7 = 608 milliseconds																						
8 = 672 milliseconds	9 = 736 milliseconds																						
10 = 800 milliseconds	11 = 864 milliseconds																						
12 = 928 milliseconds	13 = 992 milliseconds																						
14 = 1056 milliseconds	15 = 1120 milliseconds																						
33	HD	Trunk Hold Timing. <table><tr><td>0 = 10 seconds</td><td>1 = 2 seconds</td></tr><tr><td>2 = 4 seconds</td><td>3 = 6 seconds</td></tr><tr><td>4 = 8 seconds</td><td>5 = 10 seconds</td></tr><tr><td>6 = 12 seconds</td><td>7 = 14 seconds</td></tr><tr><td>8 = 16 seconds</td><td>9 = 18 seconds</td></tr><tr><td>10 = 20 seconds</td><td>11 = 22 seconds</td></tr><tr><td>12 = 24 seconds</td><td>13 = 26 seconds</td></tr><tr><td>14 = 28 seconds</td><td>15 = 30 seconds</td></tr></table>	0 = 10 seconds	1 = 2 seconds	2 = 4 seconds	3 = 6 seconds	4 = 8 seconds	5 = 10 seconds	6 = 12 seconds	7 = 14 seconds	8 = 16 seconds	9 = 18 seconds	10 = 20 seconds	11 = 22 seconds	12 = 24 seconds	13 = 26 seconds	14 = 28 seconds	15 = 30 seconds					Normally assign data “0.”
0 = 10 seconds	1 = 2 seconds																						
2 = 4 seconds	3 = 6 seconds																						
4 = 8 seconds	5 = 10 seconds																						
6 = 12 seconds	7 = 14 seconds																						
8 = 16 seconds	9 = 18 seconds																						
10 = 20 seconds	11 = 22 seconds																						
12 = 24 seconds	13 = 26 seconds																						
14 = 28 seconds	15 = 30 seconds																						

FUNCTION			RT					REMARKS
34	GUARD	Ground Timer Outgoing inhibit timing after trunk release. 0 = 3072 milliseconds 1 = 512 milliseconds 2 = 1024 milliseconds 3 = 1536 milliseconds 4 = 2048 milliseconds 5 = 2560 milliseconds 6 = 3072 milliseconds 7 = 3584 milliseconds 8 = 4096 milliseconds 9 = 4608 milliseconds 10 = 5120 milliseconds 11 = 5632 milliseconds 12 = 6144 milliseconds 13 = 6656 milliseconds 14 = 7168 milliseconds 15 = 7680 milliseconds						- Assign data “0” under normal conditions. - For ISDN, see Table "Examples of Route Class Settings (ARTD)" (Example of Route Class Settings). - For a DAT trunk used in a telephone network overloaded with heavy traffic, adjust the timer to a shorter interval so as to prevent generation of Reorder Tone (ROT).
35	WINK	Width of a Wink Signal 0 = 160 milliseconds 1 = 64 milliseconds 2 = 96 milliseconds 3 = 128 milliseconds 4 = 160 milliseconds 5 = 192 milliseconds 6 = 224 milliseconds 7 = 265 milliseconds 8 = 288 milliseconds 9 = 320 milliseconds 10 = 352 milliseconds 11 = 384 milliseconds 12 = 416 milliseconds 13 = 448 milliseconds 14 = 480 milliseconds 15 = 512 milliseconds						- Normally assign data “0.” - This function does not work for UG50.
36	VAD		0	0	0	0		Always assign data “0.”
37	CLD	Trunk Answer from Any Station (TAS) 0 = Out of service 1 = In service						
38	FA	Forced Account/Forced Authorization Code 0 = Check is not required 1 = Check is required (For Remote Access to System)						
39	BC	C.O Line Idle Balance Condition. 0 = Not balanced 1 = Balanced						Australia only
40	TCM	Travel Class Mark 0 = Out of service 1 = In service						
41	TDMQ	Tandem Off Hook OG Queuing 0 = Out of service 1 = In service						
42	TRSC	Trunk Restriction class 0 = Out of service 1-15 = In service						See AEFR command.
43	BT	Inter-office Busy Service 0 = Out of service 1 = In service						For CCIS voice route, assign data “1.”

FUNCTION			RT					REMARKS
44	PRV	Line Trunk Privacy 0 = Privacy out of service 1 = Privacy in service for Busy Verification, Call Waiting, Executive Right of Way, Paging, Dictation, Data Communication, etc.).						
45	A/D	Analog/Digital Line Data 0 = Analog 1 = Digital						Assign data “1” only for digital T1 routes or Bch of ISDN routes.
46	CW	Call Waiting Service 0 = Out of service 1 = In service						
47	TPQ	Priority OG Queuing 0 = Out of service 1 = In service						
48	BL	Detection of Blocking Signal 0 = No detection 1 = Detection						
49	TRKS	Trunk Selection Sequence 0 = Select from the trunk which becomes idle first. 1 = Select from the trunk which becomes idle last. Note: Trunk Selection Sequence setting depends on the type of opposite office as follows in order to reduce the possibility of signal collision. • When opposite office is NEC system except for NEAX2000 IPS, SV8300 or SV9300: Set “1” for either side office and set “0” for the other side office. • When opposite office is NEAX2000 IPS, SV8300 or SV9300 (Except the system with IPTRK/PHC): Set “1”. • When opposite office is not NEC system: Set “0”.					Assign this data reversing to the mate office data. (Especially, for CCIS)	
50	DPLY	Caller ID display over CCIS 0 = Disabled 1 = Enabled Note 1						For CCIS voice route and ISDN Bch route. Note1: Up to 8 digits of a Caller ID can be shown on the display.

FUNCTION			RT					REMARKS
51	ACD	0 = Out of service 1 = -	0	0	0	0		Always assign data "0" even ACD application.
52	2W/4W	2 Wires/4 Wires 0 = 2 Wires 1 = 4 Wires	0	0	0	0		Always assign data "0."
53	FAAT	Authorization Code for ATT 0 = Depends on RSC of ATT 1 = Authorization Code always required.						
54	GW	Gateway Option 0 = Out of service 1 = Data Signaling Trunk 2-15 = Not used						
55	TCMA		0	0	0	0		Always assign data "0."
56	SMDR3	Detailed billing for outgoing in tandem connection. 0 = Required 1 = Not required						Assign this for the incoming route (ICRT), if necessary.
57	HDT	Heterogeneous Data Trunk 0 = Not Heterogeneous Data Trunk 1 = Heterogeneous Data Trunk						
58	CD	Consecutive Dialing 0 = Out of service 1 = In service						
59	CCH	Common Channel Handler 0 = CCH is not mounted (normal setting) 1 = CCH is mounted (ISDN or CCIS line)	0	0	0	0		Always assign data "0" even ISDN/CCIS.
60	TC/EC	Transcoder (MPC)/Echo Cancellor (EC) Control 0 = None 1 = EC 2 = MPC						
61	IRE	Inter-rearranging signal 1 = Supervisory						When assigning this data, always enter "0".
62	SCR	Step Call Restriction for Tie Line Call 0 = Step call is restricted. 1 = Step call is not restricted.						
63	LYER1	Layer 1 (For ISDN) 0 = 23B+D 1 = 30B+D						0= μ law country 1= A law country
64	NET	User/Net Identification (For ISDN) 0 = User Side (normal setting) 1 = Network side						Normally assign data "0."

FUNCTION			RT					REMARKS
65	INT	Interface Specification (For ISDN) 0 = CCIS 1 = N-ISDN2 2 = Australia 3 = INS 1500(NTT) 4 = ITU (CCITT), ETSI (PRI) 5 = AT&T(#4/#5 ESS) 6 = INS 64 (NTT), ETSI (BRI) 7 = NT DMS 100/DMS 250 8 = Not used 9 = TTC Q931 a protocol Tie Line (JAPAN) 10 = Q-sig, (ETS 300 172)/IS-11572 11 = Seamless						
66	DC	Dialed Number Confirmation (For ISDN) 0 = Sub Addressing Note 2 1-14 = Number of Main Address Digits Note 3 15 = All Digits						Note2: For ISDN Outgoing Call, Calling Party-Sub Address is notified to the destination. Note3: Assign the number of digits for specifying called station number (used for Direct Inward Dialing (DID) Addressing).
67	HKS	Hooking Service 0 = Out of service 1 = In service						
68	SCF	Split Call Forwarding The call is forwarded to the desired destination assigned at 0 = Split C F - All Calls (for Station) (SSCA, SIDA = 86), Split C F - Busy Line (for Station) (SSCA, SIDA = 87), Split C F - Don't Answer (for Station) (SSCA, SIDA = 88) 1 = [in the case of incoming call from a Trunk] Split C F - All Calls (for Trunk) (SSC, SID = 8), Split C F - Busy Line (for Trunk) (SSC, SID = 10), Split C F - Don't Answer (for Trunk) (SSC, SID = 12) [in the case of incoming call from a Station] Split C F - All Calls (for Station) (SSCA, SIDA = 86), Split C F - Busy Line (for Station) (SSCA, SIDA = 87), Split C F - Don't Answer (for Station) (SSCA, SIDA = 88)						This data is valid when ASYD, SYS1, Index 79, b2 = 1.

FUNCTION			RT					REMARKS
69	SMDR4	Detailed billing for incoming in tandem connection. 0 = Required 1 = Not required						Assign this for the outgoing route (OGRT) if necessary.
70	TCMN	Number of digits of TCM (S Code) 0 = No digit 1 = one digit 2 = two digits 3 = Not used						Use this when ONSG/ INSG = 4 (MF).
71	TCMC	TCM and KP Sending Sequence 0 = KP-ST 1 = KP TCM-ST 2 = TCM KP-ST 3 = KP (TCM)-ST						Use this when ONSG/ INSG = 4 (MF).
72	MFSP	Sending Speed Tone ON Tone OFF Digit/seconds 0 = 68 milliseconds 68 milliseconds 7.5 1 = 56 milliseconds 56 milliseconds (CCITT No.5) 2 = 68 milliseconds 32 milliseconds 10 3 = 68 milliseconds 36 milliseconds 10 4 = 48 milliseconds 48 milliseconds 10 5 = 52 milliseconds 52 milliseconds 10 6-15 = Not used (If MFC) 0 = 24.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 4					Note4: When ONSG/ INSG = 4

FUNCTION			RT					REMARKS
73	KPST	Duration of KP sending 0 = 48 milliseconds 1 = 56 milliseconds 2 = 64 milliseconds 3 = 72 milliseconds 4 = 80 milliseconds 5 = 88 milliseconds 6 = 96 milliseconds 7 = 104 milliseconds 8 = 112 milliseconds 9 = 120 milliseconds 10 = 128 milliseconds 11 = 136 milliseconds 12 = 144 milliseconds 13 = 152 milliseconds 14 = 160 milliseconds 15 = 168 milliseconds (In case of MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 5					When the monitor signal is Reverse and the data is set to "0," KP sending is stopped by reserve signal monitor at the related distant office. Note5: When ONSG/ INSG= 4(MF)
74	KPPT	Pause after KP sending 0 = 48 milliseconds 1 = 56 milliseconds 5 = 88 milliseconds 6 = 96 milliseconds 7 = 104 milliseconds 8 = 112 milliseconds 12 = 144 milliseconds 13 = 152 milliseconds 14 = 160 milliseconds 15 = 168 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 6					Note6: When ONSG/ INSG= 4(MF)
75	STC	Stop Code 0-11 = Not used 12 = MF 13 = Not used 14 = DTMF 15 = MF (for MF signaling)						When ONSG/INSG = 4(MF)
76	MC 2	MP Start Cause 0 = As per ST 1 = Not used						This data must always be set to 0.
77	MT	MF Frequency 0 = DTMF (4×4) 1 = MF (2 out of 6)						Use this when ONSG/ INSG = 4.(MF)
78	TONE	TONE Designation for TRK Call Termination 0 = DT 1-15= Not used						This data is effective when 2 (Second Dial Tone) is set in ARTD, ISGS = 3.

FUNCTION			RT					REMARKS
79	PPTM	Sender Prepares 0 = Standard 2 = 800 milliseconds 4 = 1200 milliseconds 6 = 1600 milliseconds 8 = 2000 milliseconds 10 = 2400 milliseconds 12 = 2800 milliseconds 14 = 3200 milliseconds (If MFC) 0 = 24.0 seconds 2 = 7.0 seconds. 4 = 10.0 seconds 6 = 13.0 seconds 8 = 16.0 seconds 10 = 20.0 seconds 12 = 24.0 seconds 14 = 28.0 seconds	Note 7 1 = 600 milliseconds 3 = 1000 milliseconds 5 = 1400 milliseconds 7 = 1800 milliseconds 9 = 2200 milliseconds 11 = 2600 milliseconds 13 = 3000 milliseconds 15 = 3400 milliseconds					Note7: Depends on the data in SYS1, Index 131 of ASYD.
80	MPTM	Sender Minimum Pause 0 = 10 PPS/600 milliseconds 1 = 600 milliseconds 3 = 1000 milliseconds 5 = 1400 milliseconds 7 = 1800 milliseconds 9 = 2200 milliseconds 11 = 2600 milliseconds 13 = 3000 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 12.0 seconds 2 = 7.0 seconds 4 = 10.0 seconds 6 = 13.0 seconds 8 = 16.0 seconds 10 = 20.0 seconds 12 = 24.0 seconds 14 = 28.0 seconds	20 PPS/450 milliseconds 2 = 800 milliseconds. 4 = 1200 milliseconds 6 = 1600 milliseconds 8 = 2000 milliseconds 10 = 2400 milliseconds 12 = 2800 milliseconds 14 = 3200 milliseconds	Note 8				Note8: Possible to use when adjusting the interdict timer in DP line.

FUNCTION			RT					REMARKS
81	LPTM	Sender Inter-Digit Pause Index 0 = DP/1 seconds, PB/0.seconds 1= 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 9					Note9: Possible to use when adjusting the duration of Pause in the case of Speed Calling System or Adding digits.
82	RSAX		0	0	0	0		Always assign data "0."
83	CST		0	0	0	0		Always assign data "0."
84	CSEG		0	0	0	0		Always assign data "0."
85	CSEU		0	0	0	0		Always assign data "0."
86	CSEL		0	0	0	0		Always assign data "0."
87	CMP		0	0	0	0		Always assign data "0."
88	TALK		0	0	0	0		Always assign data "0."
89	FOT		0	0	0	0		Always assign data "0."
90	RST		0	0	0	0		Always assign data "0."
91	TOCI	Trunk Override Calling 0 = Override Inhibited (Calling side). 1 = Tie Line Override Service is provided (Calling side).						
92	TOCD	Trunk Override Called 0 = Override Inhibited (Called side). 1 = Tie Line Override Service is provided (Called side).						
93	ODGD		0	0	0	0		Always assign data "0."
94	RLS		0	0	0	0		Always assign data "0."
95	GWD	Gate Way Data Service 0 = Out of service 1 = Gate Way System 2-15 = Not used						
96	H1	ISDN H1 Switching 0 = - 1 = In service						
97	DT		0	0	0	0		

FUNCTION \ RT							REMARKS
98	CI	ISDN transmitting information 0 = Out of service 1 = 16-Digit Caller Number Service, Attribute Information Notification Service, and Calling Sub-Address Transfer Service 2-15 = Not used					
99	OID		0	0	0	0	Always assign data "0."
100	TKS		0	0	0	0	Always assign data "0."
101	PAD2	PAD Control Data 2 0-7 = For PAD value, See Circuit Card Description.					
102	TRM		0	0	0	0	Always assign data "0."
103	TRPX		0	0	0	0	Always assign data "0."
104	LDR		0	0	0	0	Always assign data "0."
105	TSC		0	0	0	0	Always assign data "0."
106	SATS		0	0	0	0	Always assign data "0."
107	RVPX		0	0	0	0	Always assign data "0."
108	DQ		0	0	0	0	Always assign data "0."
109	SLOV	Slumber Time Override Service 0 = Out of service 1 = In service					
110	SDTO	System message automatic output when Connection Acknowledge signal has not been received. 0 = Out of service 1 = In service					
111	ADVPR	ISDN PRI Failure Routing Service 0 = Out of service 1 = In service					This data is valid for dummy routes.
112	IND	Inter-office Name Display 0 = Out of service 1 = In service					
113	UUI	Information notification between the users 0 = Out of service 1 = In service					
114	DCH	DCH Recognition 0 = - 1 = Channel Integration is ON					Available for MG(BRI).
115	CMRT	Single route number used by multiple ISDN trunks/MG-SIPs 0 = Out of service 1 = In service					
116	PREF	Channel negotiation 0 = Exclusive 1 = Preferred					
117	DFS		0	0	0	0	Always assign data "0."
118	BOB	Broad Band 0 = 64K 1 = N × 64K					
119	HO1CH		0	0	0	0	Always assign data "0."

FUNCTION			RT				REMARKS
120	IFR	Indonesia Compulsion Cut Service 0 = Out of service 1 = In service	0	0	0	0	Always assign data "0."
121	CONV	Destination Number Conversion in SMDR Outgoing Call Record 0 = Number converted by system 1 = Number dialed by user					
122	ORRT	Originally Trunk Information 0 = Out of service 1 = In service					
123	CNI	Calling Number Identification Format 0 = No ANI 1 = Feature Group D Format 2 = Not used 3 = Not used					
124	AOC	Type of Advice of Charge (AOC) 0 = Destination office complies with ETSI specification 1 = Destination office complies with ITU-T specification 2, 3= Not used					
125	MGCOT	MG (COT) 0 = Not available 1 = Available					

The table below shows examples of standard route class settings.

Examples of Route Class Settings (ARTD)

PARAMETER		KIND OF TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
1	OSGS	2	7	0	0	0	0	0	0
2	ONSG	3	3	0	2	2	2	2	0
3	ISGS	1	7	7	0	0	0	0	0
4	INSG	3	3	3	2	2	2	2	0
5	TF	3	3	2	3	0	3	0	0
6	TCL	1	4	5	4	4	1	1	4
7	L/T	1	1	1	1	1	1	1	1
8	RLP	2	2	2	2	0	2	2	0
9	TQ	0	0	0	0	0	0	0	0
10	SMDR	1	0	0	0	0	0	0	0
11	TD	0	0	0	0	0	0	0	0
12	DR	1	0	1	0	0	0	0	0
13	AC	0	0	0	0	0	0	0	1
14	TNT	0	0	0	0	0	0	0	0
15	LSG	0	5	8	12	13	12	13	0
16	SMDR2	0	0	0	0	0	0	0	0
17	H/M	0	0	0	0	0	0	0	0
18	MC	0	0	0	0	0	0	0	0
19	ANI	0	0	0	0	0	0	0	0
20	D	0	0	0	0	0	0	0	0
21	MSB	0	0	0	0	0	0	0	0
22	MSW	0	0	0	0	0	0	0	0
23	TR	0	0	0	0	0	0	0	0
24	OC	0	0	0	0	0	0	0	0
25	R/L	0	0	0	0	0	0	0	0
26	RVSD	0	0	0	0	0	0	0	0
27	TL	0	0	0	0	0	0	0	0
28	ANS	0	1	1	1	0	1	1	0
29	TELP	0	0	0	0	0	0	0	0
30	PAD	0	0	0	4	7	4	7	0
31	OGRL	0	0	0	0	0	1	0	0
32	ICRL	0	0	0	0	0	1	0	0
33	HD	0	0	0	0	0	0	0	0
34	GUARD	0	0	0	0	0	0	0	0

Examples of Route Class Settings (ARTD) (Continued)

PARAMETER		KIND OF TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
35	WINK	0	0	0	0	0	0	0	0
36	VAD	0	0	0	0	0	0	0	0
37	CLD	0	0	0	0	0	0	0	0
38	FA	0	0	0	0	0	0	0	0
39	BC	0	0	0	0	0	0	0	0
40	TCM	0	0	0	0	0	0	0	0
41	TDMQ	0	0	0	0	0	0	0	0
42	TRSC	0	0	0	0	0	0	0	0
43	BT	0	0	0	1	0	0	0	0
44	PRV	0	0	0	0	0	0	0	0
45	A/D	0	0	0	0	0	1	0	0
46	CW	0	0	0	0	0	0	0	0
47	TPQ	0	0	0	0	0	0	0	0
48	BL	0	0	0	0	0	0	0	0
49	TRKS	0	0	0	0	0	0	0	0
50	DPLY	0	0	0	1	0	1	0	0
51	ACD	0	0	0	0	0	0	0	0
52	2W/4W	0	0	0	0	0	0	0	0
53	FAAT	0	0	0	0	0	0	0	0
54	GW	0	0	0	0	0	0	0	0
55	TCMA	0	0	0	0	0	0	0	0
56	SMDR3	0	0	0	0	0	0	0	0
57	HDT	0	0	0	0	0	0	0	0
58	CD	0	0	0	0	0	0	0	0
59	CCH	0	0	0	0	0	0	0	0
60	TC/EC	0	0	0	0	0	0	0	0
61	IRE	0	0	0	0	0	0	0	0
62	SCR	0	0	0	0	0	0	0	0
63	LYER1	0	0	0	0	0	0	0	0
64	NET	0	0	0	0	0	0	0	0
65	INT	0	0	0	0	0			0
66	DC	0	0	0	0	0			0
67	HKS	0	0	0	0	0	0	0	0
68	SCF	0	0	0	0	0	0	0	0
69	SMDR4	0	0	0	0	0	0	0	0
70	TCMN	0	0	0	0	0	0	0	0

Examples of Route Class Settings (ARTD) (Continued)

PARAMETER		KIND OF TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
71	TCMC	0	0	0	0	0	0	0	0
72	MFSP	0	0	0	0	0	0	0	0
73	KPST	0	0	0	0	0	0	0	0
74	KPPT	0	0	0	0	0	0	0	0
75	STC	0	0	0	0	0	0	0	0
76	MC	0	0	0	0	0	0	0	0
77	MT	0	0	0	0	0	0	0	0
78	TONE	0	0	0	0	0	0	0	0
79	PPTM	0	0	0	0	0	0	0	0
80	MPTM	0	0	0	0	0	0	0	0
81	LPTM	0	0	0	0	0	0	0	0
82	RSAX	0	0	0	0	0	0	0	0
83	CST	0	0	0	0	0	0	0	0
84	CSEG	0	0	0	0	0	0	0	0
85	CSEU	0	0	0	0	0	0	0	0
86	CSEL	0	0	0	0	0	0	0	0
87	CMP	0	0	0	0	0	0	0	0
88	TALK	0	0	0	0	0	0	0	0
89	FOT	0	0	0	0	0	0	0	0
90	RST	0	0	0	0	0	0	0	0
91	TOCI	0	0	0	0	0	0	0	0
92	TOCD	0	0	0	0	0	0	0	0
93	ODGD	0	0	0	0	0	0	0	0
94	RLS	0	0	0	0	0	0	0	0
95	GWD	0	0	0	0	0	0	0	0
96	H1	0	0	0	0	0	0	0	0
97	DT	0	0	0	0	0	0	0	0
98	CI	0	0	0	0	0	0	0	0
99	OID	0	0	0	0	0	0	0	0
100	TKS	0	0	0	0	0	0	0	0
101	PAD2	0	0	0	0	0	0	0	0
102	TRM	0	0	0	0	0	0	0	0
103	TRPX	0	0	0	0	0	0	0	0
104	LDR	0	0	0	0	0	0	0	0
105	TSC	0	0	0	0	0	0	0	0
106	SATS	0	0	0	0	0	0	0	0
107	RVPX	0	0	0	0	0	0	0	0

Examples of Route Class Settings (ARTD) (Continued)

PARAMETER		KIND OF TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
108	DQ	0	0	0	0	0	0	0	0
109	SLOV	0	0	0	0	0	0	0	0
110	SDTO	0	0	0	0	0	0	0	0
111	ADVPR A	0	0	0	0	0	0	0	
112	IND	0	0	0	0	0	0	0	0
113	UUI	0	0	0	0	0	0	0	0
114	DCH	0	0	0	0	0	0	0	0
115	CMRT	0	0	0	0	0	0	0	0
116	PREF	0	0	0	0	0	0	0	0
117	DFS	0	0	0	0	0	0	0	0
118	BOB	0	0	0	0	0	0	0	0
119	HO1CH	0	0	0	0	0	0	0	0
120	IFR	0	0	0	0	0	0	0	0
121	CONV	0	0	0	0	0	0	0	0
122	ORRT	0	0	0	0	0	0	0	0
123	CN1	0	0	0	0	0	0	0	0
124	AOC	0	0	0	0	0		0	0
125	MGCOT	0	0	0	0	0	0	0	0

Template Data

<Default Template>

This function allows the system to set the whole standard Route Class data for the specified item at the same time.

Select “Default Template” from the Template Type menu, specify the item to apply Template Data, and click the Apply button. The DATA box shows the Template Data for the specified item. Then enter input parameters in blank fields and click the SET button after finishing the data input.

Note: In each parameter, the window indicates the area of the changeable data as blank according to customer's condition. The applied Template Data might be also changed manually in some cases.

Route Class Template Data

ITEM	DESCRIPTION
BWT	Analog C.O. Bothway Trunk Route Template Data
E&M	E&M Tie Line Trunk Route Template Data
DIDLINE	DID Line Trunk Route Template Data

ITEM	DESCRIPTION
CCISVOICE	CCIS Voice Trunk Route Template Data
CCISDATA	CCIS Data Trunk Route Template Data
ISDND-CH	ISDN D-channel Route Template Data
ISDNB-CH	ISDN B-channel Route Template Data
DUMMYROUTE	Dummy Route Template Data
MG-BRI	ISDN Route Template Data for MG-BRI
MG-PRID-CH	ISDN Route Template Data for MG-PRI (D-channel)
MG-PRIB-CH	ISDN Route Template Data for MG-PRI (B-channel)
MC-MG(COT)	MC-MG(COT) Route Template Data
MG-SIP	MG-SIP Route Template Data

<Custom Template>

This template allows the user to create and save customized settings. Specifying a template name and clicking the [Add] button will save the current settings in a new template. The template is used for ARTD/ARTDN/AL-RNN commands in common. Up to 20 Custom templates can be saved.

The table below shows the Template Data for the standard Route Class data.

Note 1: Input data in shaded area in the following tables according to customer's actual trunk route condition.

- BWT: Analog C.O. Bothway Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	2	2	ONSG	3	3	ISGS	1
4	INSG	3	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	1	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	0
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- E&M: E&M Tie Line Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	7	2	ONSG	3	3	ISGS	7
4	INSG	3	5	TF	3	6	TCL	4
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	5

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
124	AOC	0	125	MGCOT	0			

- DIDLINE: DID Line Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	0	3	ISGS	7
4	INSG	3	5	TF	2	6	TCL	5
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	8
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- CCISVOICE: CCIS Voice Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	4
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	1	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- CCISDATA: CCIS Data Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	0	6	TCL	4
7	L/T	1	8	RLP	0	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	13
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	7
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- ISDND-CH: ISDN D-channel Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	0	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	13

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	7
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
124	AOC	0	125	MGCOT	0			

- ISDNB-CH: ISDN B-channel Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	1
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	Note 1	125	MGCOT	0			

- DUMMYROUTE: Dummy Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	0	3	ISGS	0
4	INSG	0	5	TF	0	6	TCL	4
7	L/T	1	8	RLP	0	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	1	14	TNT	0	15	LSG	0
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	Note 1
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- MG-BRI: ISDN Route Template Data for MG-BRI

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	1	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	1	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
43	BT	0	44	PRV	0	45	A/D	1
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	6	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	1
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- MG-PRID-CH: ISDN Route Template Data for MG-PRI (D-channel)

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	0	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	13

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	7
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
124	AOC	0	125	MGCOT	0			

- MG-PRIB-CH: ISDN Route Template Data for MG-PRI (B-channel)

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	1
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	Note 1	125	MGCOT	0			

- MC-MG(COT): MC-MG(COT) Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	3	3	ISGS	1
4	INSG	3	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	1	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	0
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	1
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	1			

- MG-SIP: MG-SIP Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	Note 1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	7
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	1	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	10	66	DC	15
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

ARTDN: Assignment of Route Class Data for NDM

1. General

Using this command, all logical route data of all Local Nodes (LNs) may be displayed and changed at the Network Control Node in the FCCS Network.

2. Precautions

1. The ARTDN command should be assigned for all logical trunk routes and the logical dummy route for LCR/LCRS.
2. The Logical Route Class data assigned by this command is also allocated to Route Class data (ARTD). If the Logical Route Class data is deleted by using this command, the Route Class data is not deleted. Therefore, use ARTD command to invalidate the Route Class data.
3. The standard route class data is shown in the example listed after the parameter descriptions.
4. Parameters TCMN through MT are effective only when “4 (MF)” is assigned to parameter ONSG or INSG. For all other logical trunk routes, assign “0” to all data.
5. When a difference is found between the retrieved data and modified/deleted data, and when VIR=1, 2, or 3 is assigned in the ARTIN command, a message dialog appears to urge that the command SCVT be activated in order to change the virtual trunk operation data.
6. Any route or trunk (Trunk Anywhere), in an ACDP FCCS Network, that must have access to an ACDP (including an Agent Anywhere Node), cannot be assigned a Logical Route Number above 255. This includes routes that ring directly to the ACD as well as any transferred calls.
7. To change the data for existing route (RT), initialize or reboot the trunk device such as circuit card, MG, or VS32.

3. Data Entry Instructions

See the Data Sheet in Section 4.

4. Data Sheet

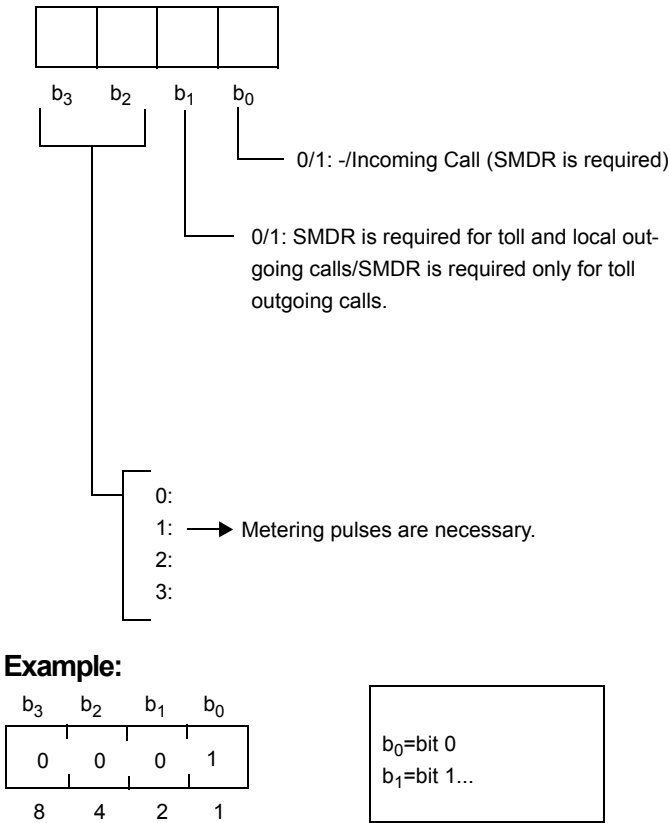
FUNCTION			LGRT 1-899					REMARKS
1	OSGS	Signal Interface for Outgoing 0 = CCIS 1 = Ringdown 2 = Second Dial Tone 3 = Not used 4 = Sender (Immediate Start) Note 1 5 = Not used 6 = Sender (Delay Dial Start) 7 = Sender (Wink start) 8-15= Not used						Note1: The select signal in ONSG should be DP.
2	ONSG	Signal Selection for Outgoing 0 = Not used 1 = DP, 10 pps, 33% Make 2 = PB, 60 milliseconds Interruption or CCIS 3 = DP/PB 4 = MF 5 = DP, 20 pps, 33% Make 6 = Not used 7 = DP, 20 pps, 50% Make 8 = PB, 120 milliseconds Interruption 9 = DP, 10 pps, 40% Make 10 = MFC 11-15=Not used Note: The option "PB, 60 milliseconds Interruption" is only valid for UG50. (Other options are not valid.)						
3	ISGS	Signal Interface for Incoming 0 = CCIS 1 = Ring Down 2 = Second Dial Tone 3 = Not used 4 = Sender (Immediate Start) Note 1 5 = Not used 6 = Sender (Delay Dial Start) 7 = Sender (Wink Start) 8-15= Not used						Note1: The select signal in INSG should be DP.
4	INSG	Signal Selection for Incoming 0 = Not used 1= DP, 10 pps, 33% Make 2 = PB, 60 milliseconds Interruption or CCIS 3 = DP/PB 4 = MF 5 = DP, 20 pps, 33% Make 6 = Not used 7 = DP, 20 pps, 50% Make 8 = PB, 120 milliseconds Interruption 9 = DP, 10 pps, 40% Make 10 = MFC 11-15=Not used						
5	TF	Type of Trunk Function 0 = Not used 1 = Outgoing Trunk (OGT) 2 = Incoming Trunk (ICT) 3 = Bothway Trunk (BWT)						

FUNCTION			LGRT 1-899					REMARKS
6	TCL	Trunk Class Specify the kind of trunk 1 = DDD Line 2 = FX 3 = WATS Line 4 = Tie Line/Announcement Trunk 5 = CCSA 6 = Toll Terminal 7 = CAS Line 8 = Paging 9 = Code Call Trunk 10 = Dictation Trunk 11 = General Paging Trunk 12 = Radio Paging Trunk 13 - 31 = Not used						
7	L/T	Line/Trunk Identification 0 = Not used (Line) 1 = Trunk	1	1	1	1	1	Always assign data = "1".
8	RLP	Trunk Release Pattern 0 = Calling Party Release (Outgoing only) 1 = Not used 2 = First Party Release (either station or trunk side) 3 = Not used						Normally assign data "2"
9	TQ	Outgoing Trunk Queuing 0 = Out of service 1 = In service						
10	SMDR	Detailed Billing Information 0 = SMDR out of service 1 = SMDR in service (ORT required for receiving all dialed digits)						
11	TD	Toll Denial Battery Reversal	0	0	0	0	0	Always assign data "0."
12	DR	Distinctive Ringing Pattern This parameter designates whether distinctive ringing will be provided for an incoming call. 0 = Distinctive Ringing is not required (ASYD, SYS3, Index 3, b0=0) 1 = Distinctive Ringing is required (ASYD, SYS3, Index 3, b0=1)						
13	AC	Flexible Routing Pattern Designation When outgoing route selection pattern number is to be determined by the AFRS command, "1" is to be assigned if the Access Code is included in the Number Pattern Code (NPC). 0 = When flexible routing is executed, numbers are translated excluding the access code 1 = When flexible routing is executed, numbers are translated including the access code						This data is valid for dummy routes. Assign data "1" for the dummy route.
14	TNT	Tenant Number Check 0 = Tenant Number check is not required in trunk selection.						Always assign data "0."

FUNCTION			LGRT 1-899						REMARKS
15	LSG	Line Signal 0 = Loop 1 = Ground Start 2 = CDH 3 = Caller ID (Loop) 4 = Loop 5 = E&M 6 = DX 7 = 24V4 8 = Loop DID 9 - 11 = Not used 12 = Speech Line (for CCIS or Bch of ISDN) 13 = Signal Line (for CCIS or Dch of ISDN) 14 = Caller ID (Ground Start) 15 = Not used	C.O. line						
16	SMDR2	Detailed Billing Information							See Figure "SMDR2 (ARTDN)" and Table "SMDR2 (ARTDN)".
17	H/M	Hotel Service in CCIS 0 = Out of service 1 = In service							
18	MC		0	0	0	0	0	0	Always assign data "0."
19	ANI	E911 - ANI Service 0 = Out of service 1 = In service							
20	D		0	0	0	0	0	0	Always assign data "0."
21	MSB		0	0	0	0	0	0	Always assign data "0."
22	MSW		0	0	0	0	0	0	Always assign data "0."

FUNCTION			LGRT 1-899					REMARKS
23	TR	For the incoming call with MFC signaling: 0 = - 1 = ICPT transfer by Group-II Signal is not executed. Note: This data is applied to the incoming route when Group-II with Priority is assigned for MFC-DID incoming call. When TR=0 is assigned, ICPT transfer to Attendant is applied unconditionally. (Australia, Thailand, Singapore, and Brazil) Note: On terminating an overseas incoming call with MFC-DID, ICPT transfer to Attendant is applied when TR=0 is assigned to the outgoing route of the tandem connection. (Singapore) For the incoming call via ISDN, to terminate the overseas incoming call to the Attendant restricting the tandem connection: 0 = Tandem Connection is restricted (ICPT transfer to Attendant) 1 = Tandem Connection is allowed Note: This data is applied to the outgoing route of the tandem connection.						

SMDR2 (ARTDN)



The following explains what hexadecimal data "1" means for SMDR2:

- For incoming calls SMDR is required because b_0 is assigned as "1".
- SMDR is required for toll and local outgoing calls because b_1 is assigned as "0".
- Metering pulses are detected by the system; therefore $b_2=0$ and $b_3=0$.

SMDR2 (ARTDN)

CONTENTS/INPUT		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
b0	0-Detailed billing is not required for incoming calls.	×		×		×		×									
	1-Detailed billing is required for incoming calls.		×		×		×		×								
b1	0-Detailed billing is required for toll and local outgoing calls.	×	×			×	×										
	1-Detailed billing is required only for toll outgoing calls.			×	×			×	×								
b2,3	0-																
	1-Metering pulses are used.					×	×	×	×								
	2-																
	3-																

FUNCTION			LGRT 1-899				REMARKS			
24	OC	0 = - 1 = Originating Category Information is used					For MFC signaling (Brazil and Mexico)			
25	R/L	Attendant-Identification of Incoming Trunk Display. 0 = TN, RT, TK display 1 = C.O. line number display								
26	RVSD	Trunk Reversal Identification This data is necessary when a specific Trunk route provides battery reversal for answer supervision. 0 = Battery Reversal System 1 = Third Wire System								
27	TL	Tone Level	0	0	0	0	Always assign data "0."			
28	ANS	Answer signal from Trunk side. 0 = No answer signal is given. 1 = Answer signal is given.								
29	TELP	Time Elapse Indication Service 0 = Out of service 1 = In service					Time Elapse Indication (TELP) is a warning tone sent to the caller after a predetermined period of time has elapsed (usually three minutes).			
30	PAD	This data determines PAD control on the circuit card. 0 1 2 Actual PAD value for 0 to 6 depends on PAD ROM 3 on each circuit card. 4 (See Circuit Card Description.) 5 6 7 = PAD-OFF(0db)								

FUNCTION			LGRT 1-899				REMARKS
31	OGRL	Release timing for outgoing trunk connection. 0 = 608 milliseconds 1 = 224 milliseconds 2 = 288 milliseconds 3 = 352 milliseconds 4 = 416 milliseconds 5 = 480 milliseconds 6 = 544 milliseconds 7 = 608 milliseconds 8 = 672 milliseconds 9 = 736 milliseconds 10 = 800 milliseconds 11 = 864 milliseconds 12 = 928 milliseconds 13 = 992 milliseconds 14 = 1056 milliseconds 15 = 1120 milliseconds					- Normally assign data "0" - For ISDN, see Table "Example of Route Class Settings (ARTDN)". (Examples of Route Class Settings) - This function does not work for UG50.
32	ICRL	Release timing for incoming trunk connections. 0 = 288 milliseconds Note 1 1 = 224 milliseconds 2 = 288 milliseconds 3 = 352 milliseconds 4 = 416 milliseconds 5 = 480 milliseconds 6 = 544 milliseconds 7 = 608 milliseconds 8 = 672 milliseconds 9 = 736 milliseconds 10 = 800 milliseconds 11 = 864 milliseconds 12 = 928 milliseconds 13 = 992 milliseconds 14 = 1056 milliseconds 15 = 1120 milliseconds					- Normally assign data "0". - For ISDN, see Table "Example of Route Class Settings (ARTDN)" (Example of Route Class Settings). - This function does not work for UG50. Note1: 160 milliseconds in case of Loop Dialing Trunk.
33	HD	Trunk Hold Timing. 0 = ten seconds 1 = two seconds 2 = four seconds 3 = six seconds 4 = eight seconds 5 = ten seconds 6 = 12 seconds 7 = 14 seconds 8 = 16 seconds 9 = 18 seconds 10 = 20 seconds 11 = 22 seconds 12 = 24 seconds 13 = 26 seconds 14 = 28 seconds 15 = 30 seconds					Normally assign data "0".

FUNCTION			LGRT 1-899				REMARKS
34	GUARD	Ground Timer Outgoing inhibit timing after trunk release. 0 = 3072 milliseconds 1 = 512 milliseconds 2 = 1024 milliseconds 3 = 1536 milliseconds 4 = 2048 milliseconds 5 = 2560 milliseconds 6 = 3072 milliseconds 7 = 3584 milliseconds 8 = 4096 milliseconds 9 = 4608 milliseconds 10 = 5120 milliseconds 11 = 5632 milliseconds 12 = 6144 milliseconds 13 = 6656 milliseconds 14 = 7168 milliseconds 15 = 7680 milliseconds					- Assign data “0” under normal conditions. - For ISDN, see Table "Example of Route Class Settings (ARTDN)" (Example of Route Class Settings). - For a DAT trunk used in a telephone network overloaded with heavy traffic, adjust the timer to a shorter interval so as to prevent generation of Reorder Tone (ROT).
35	WINK	Width of a Wink Signal 0 = 160 milliseconds 1 = 64 milliseconds 2 = 96 milliseconds 3 = 128 milliseconds 4 = 160 milliseconds 5 = 192 milliseconds 6 = 224 milliseconds 7 = 265 milliseconds 8 = 288 milliseconds 9 = 320 milliseconds 10 = 352 milliseconds 11 = 384 milliseconds 12 = 416 milliseconds 13 = 448 milliseconds 14 = 480 milliseconds 15 = 512 milliseconds					- Normally assign data “0.” - This function does not work for UG50.
36	VAD		0	0	0	0	Always assign data “0.”
37	CLD	Trunk Answer from Any Station (TAS) 0 = Out of service 1 = In service					
38	FA	Forced Account/Forced Authorization Code 0 = Check is not required 1 = Check is required (For Remote Access to System)					
39	BC	C.O Line Idle Balance Condition. 0 = Not balanced 1 = Balanced					Australia only
40	TCM	Travel Class Mark 0 = Out of service 1 = In service					
41	TDMQ	Tandem Off Hook OG Queuing 0 = Out of service 1 = In service					
42	TRSC	Trunk Restriction class 0 = Out of service 1-15= In service					See AEFR command.
43	BT	Inter-office Busy Service 0 = Out of service 1 = In service					For CCIS voice route, assign data “1.”

FUNCTION			LGRT 1-899					REMARKS
44	PRV	Line Trunk Privacy 0 = Privacy out of service 1 = Privacy in service For Busy Verification, Call Waiting, Executive Right of Way, Paging, Dictation, Data Communication, etc.).						
45	A/D	Analog/Digital Line Data 0 = Analog 1 = Digital						Assign data "1" only for digital T1 routes or Bch of ISDN routes.
46	CW	Call Waiting Service 0 = Out of service 1 = In service						
47	TPQ	Priority OG Queuing 0 = Out of service 1 = In service						
48	BL	Detection of Blocking Signal 0 = No detection 1 = Detection						
49	TRKS	Trunk Selection Sequence 0 = Select from the trunk which becomes idle first. 1 = Select from the trunk which becomes idle last. Note: Trunk Selection Sequence setting depends on the type of opposite office as follows in order to reduce the possibility of signal collision. • When opposite office is NEC system except for NEAX2000 IPS, SV8300 or SV9300: Set "1" for either side office and set "0" for the other side office. • When opposite office is NEAX2000 IPS, SV8300 or SV9300 (Except the system with IPTRK/PHC): Set "1". • When opposite office is not NEC system: Set "0".						Assign this data reversing to the mate office data. (Especially, for CCIS)
50	DPLY	Caller ID display over CCIS 0 = Disabled 1 = Enabled Note 1						For CCIS voice route and ISDN Bch route. Note1: Up to 8 digits of a Caller ID can be shown on the display.
51	ACD	0 = Out of service 1 = -	0	0	0	0	0	Always assign data "0" even ACD application.

FUNCTION			LGRT 1-899				REMARKS
52	2W/4W	2 Wires/4 Wires 0 = 2 Wires					

FUNCTION			LGRT 1-899				REMARKS
66	DC	Dialed Number Confirmation (For ISDN) 0 = Sub Addressing Note 2 1-14 = Number of Main Address Digits Note 3 15 = All Digits					Note2: For ISDN Outgoing Call, Calling Party-Sub Address is notified to the destination. Note3: Assign the number of digits for specifying called station number (used for Direct Inward Dialing (DID) Addressing).
67	HKS	Hooking Service 0 = Out of service 1 = In service					
68	SCF	Split Call Forwarding The call is forwarded to the desired destination assigned at 0 = Split C F - All Calls (for Station) (SSCA, SIDA = 86), Split C F - Busy Line (for Station) (SSCA, SIDA = 87), Split C F - Don't Answer (for Station) (SSCA, SIDA = 88) 1 = [in the case of incoming call from a Trunk] Split C F - All Calls (for Trunk) (SSC, SID = 8), Split C F - Busy Line (for Trunk) (SSC, SID = 10), Split C F - Don't Answer (for Trunk) (SSC, SID = 12) [in the case of incoming call from a Station] Split C F - All Calls (for Station) (SSCA, SIDA = 86), Split C F - Busy Line (for Station) (SSCA, SIDA = 87), Split C F - Don't Answer (for Station) (SSCA, SIDA = 88)					This data is valid when ASYDN, SYS1, Index 79, b2 = 1.
69	SMDR4	Detailed billing for incoming in tandem connection. 0 = Required 1 = Not required					Assign this for the outgoing route (OGRT) if necessary.
70	TCMN	Number of digits of TCM (S Code) 0 = No digit 1 = one digit 2 = two digits 3 = Not used					When ONSG/INSG = 4 (MF)
71	TCMC	TCM and KP Sending Sequence 0 = KP-ST 1 = KP TCM-ST 2 = TCM KP-ST 3 = KP (TCM)-ST					When ONSG/INSG = 4 (MF)

FUNCTION		LGRT 1-899				REMARKS
72	MFSP	Sending Speed Tone ON Tone OFF Digit/seconds 0= 68 milliseconds 68 milliseconds 7.5 1= 56 milliseconds 56 milliseconds (CCITT No.5) 2= 68 milliseconds 32 milliseconds 10 3= 68 milliseconds 36 milliseconds 10 4= 48 milliseconds 48 milliseconds 10 5= 52 milliseconds 52 milliseconds 10 6-15= Not used (If MFC) 0 = 24.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 4			Note4: When ONSG/ INSG = 4
73	KPST	Duration of KP sending 0 = 48 milliseconds 1 = 56 milliseconds 2 = 64 milliseconds 3 = 72 milliseconds 4 = 80 milliseconds 5 = 88 milliseconds 6 = 96 milliseconds 7 = 104 milliseconds 8 = 112 milliseconds 9 = 120 milliseconds 10 = 128 milliseconds 11 = 136 milliseconds 12 = 144 milliseconds 13 = 152 milliseconds 14 = 160 milliseconds 15 = 168 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 5			When the monitor signal is Reverse and the data is set to "0," KP sending is stopped by reserve signal monitor at the related distant office. Note5: When ONSG/ INSG = 4(MF)

FUNCTION			LGRT 1-899				REMARKS
74	KPPT	Pause after KP sending 0 = 48 milliseconds 1 = 56 milliseconds 5 = 88 milliseconds 6 = 96 milliseconds 7 = 104 milliseconds 8 = 112 milliseconds 12 = 144 milliseconds 13 = 152 milliseconds 14 = 160 milliseconds 15 = 168 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 6				Note6: When ONSG/INSG = 4(MF)
75	STC	Stop Code 0-11= Not used 12 = MF 13= Not used 14 = DTMF 15= MF (for MF signaling)					When ONSG/INSG = 4 (MF)
76	MC	MP Start Cause 0 = As per ST 1 = Not used					Always set data "0".
77	MT	MF Frequency 0 = DTMF (4×4) 1 = MF (2 out of 6)					When ONSG/INSG = 4(MF)
78	TONE	TONE Designation for TRK Call Termination 0 = DT 1-15= Not used					This data is effective when two (Second Dial Tone) is set in ARTDN, ISGS = 3.
79	PPTM	Sender Prepares 0 = Standard 1 = 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 24.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds					

FUNCTION			LGRT 1-899				REMARKS
80	MPTM	Sender Minimum Pause 0 = 10 PPS/600 milliseconds, 20 PPS/450 milliseconds 1 = 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 7				Note7: Possible to use when adjusting the interdict timer in DP line.
81	LPTM	Sender Inter-Digit Pause Index 0 = DP/1 seconds, PB/0.5milliseconds 1 = 600 milliseconds 2 = 800 milliseconds 3 = 1000 milliseconds 4 = 1200 milliseconds 5 = 1400 milliseconds 6 = 1600 milliseconds 7 = 1800 milliseconds 8 = 2000 milliseconds 9 = 2200 milliseconds 10 = 2400 milliseconds 11 = 2600 milliseconds 12 = 2800 milliseconds 13 = 3000 milliseconds 14 = 3200 milliseconds 15 = 3400 milliseconds (If MFC) 0 = 12.0 seconds 1 = 5.5 seconds 2 = 7.0 seconds 3 = 8.5 seconds 4 = 10.0 seconds 5 = 11.5 seconds 6 = 13.0 seconds 7 = 14.5 seconds 8 = 16.0 seconds 9 = 17.5 seconds 10 = 20.0 seconds 11 = 22.0 seconds 12 = 24.0 seconds 13 = 26.0 seconds 14 = 28.0 seconds 15 = 30.0 seconds	Note 8				Note8: Possible to use when adjusting the duration of Pause in the case of Speed Calling System or Adding digits.
82	RSAX		0	0	0	0	Always assign data "0."
83	CST		0	0	0	0	Always assign data "0."
84	CSEG		0	0	0	0	Always assign data "0."
85	CSEU		0	0	0	0	Always assign data "0."
86	CSEL		0	0	0	0	Always assign data "0."
87	CMP		0	0	0	0	Always assign data "0."
88	TALK		0	0	0	0	Always assign data "0."

FUNCTION			LGRT 1-899				REMARKS
89	FOT		0	0	0	0	Always assign data "0."
90	RST		0	0	0	0	Always assign data "0."
91	TOCI	Trunk Override Calling 0 = Override Inhibited (Calling side). 1 = Tie Line Override Service is provided (Calling side).					
92	TOCD	Trunk Override Called 0 = Override Inhibited (Called side). 1 = Tie Line Override Service is provided (Called side).					
93	ODGD		0	0	0	0	Always assign data "0."
94	RLS		0	0	0	0	Always assign data "0."
95	GWD	Gate Way Data Service 0= Out of service 1 = Gate Way System 2-15= Not used					
96	H1	ISDN H1 Switching 0 = - 1 = In service	0	0	0	0	Always assign data "0."
97	DT		0	0	0	0	
98	CI	ISDN transmitting information 0 = Out of service 1 = 16-Digit Caller Number Service, Attribute Information Notification Service, and Calling Sub-Address Transfer Service 2-15= Not used					
99	OID		0	0	0	0	Always assign data "0."
100	TKS		0	0	0	0	Always assign data "0."
101	PAD2	PAD Control Data 2 0-7 = For PAD value, See Circuit Card Description.					
102	TRM		0	0	0	0	Always assign data "0."
103	TRPX		0	0	0	0	Always assign data "0."
104	LDR		0	0	0	0	Always assign data "0."
105	TSC		0	0	0	0	Always assign data "0."
106	SATS		0	0	0	0	Always assign data "0."
107	RVPX		0	0	0	0	Always assign data "0."
108	DQ		0	0	0	0	Always assign data "0."
109	SLOV	Slumber Time Override Service 0 = Out of service 1 = In service	0	0	0	0	
110	SDTO	System message automatic output when Connection Acknowledge signal has not been received. 0 = Out of service 1 = In service					
111	ADVPR	ISDN PRI Failure Routing Service 0 = Out of service 1 = In service					This data is valid for dummy routes.

FUNCTION			LGRT 1-899				REMARKS
112	IND	Inter-office Name Display 0 = Out of service 1 = In service					
113	UUI		0	0	0	0	Always assign data "0."
114	DCH	DCH Recognition 0 = - 1 = Channel Integration is ON					Available for MG(BRI).
115	CMRT	Single route number used by multiple ISDN trunks/MG-SIPs 0 = Out of service 1 = In service					
116	PREF	Channel negotiation 0 = Exclusive 1 = Preferred					
117	DFS		0	0	0	0	Always assign data "0."
118	BOB	Broad Band 0 = 64K 1 = N × 64K	0	0	0	0	
119	HO1CH		0	0	0	0	Always assign data "0."
120	IFR	Indonesia Compulsion Cut Service 0 = Out of service 1 = In service	0	0	0	0	Always assign data "0."
121	CONV	SMDR Called Number Conversation 0 = Conversation Number 1 = In service					
122	ORRT	Originally Trunk Information 0 = Out of service 1 = In service					
123	CNI	Calling Number Identification Format 0 = No ANI 1 = Feature Group D Format 2 = Not used 3 = Not used					
124	AOC	Type of Advice of Charge (AOC) 0 = Destination office complies with ETSI specification 1 = Destination office complies with ITU-T specification 2, 3= Not used					
125	MGCOT	MG (COT) 0 = Not available 1 = Available					

The table below provides examples of standard route class settings.

Example of Route Class Settings (ARTDN)

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
1	OSGS	2	7	0	0	0	0	0	0
2	ONSG	3	3	0	2	2	2	2	0
3	ISGS	1	7	7	0	0	0	0	0
4	INSG	3	3	3	2	2	2	2	0
5	TF	3	3	2	3	0	3	0	0
6	TCL	1	4	5	4	4	1	1	4
7	L/T	1	1	1	1	1	1	1	1
8	RLP	2	2	2	2	0	2	2	0
9	TQ	0	0	0	0	0	0	0	0
10	SMDR	1	0	0	0	0	0	0	0
11	TD	0	0	0	0	0	0	0	0
12	DR	1	0	1	0	0	0	0	0
13	AC	0	0	0	0	0	0	0	1
14	TNT	0	0	0	0	0	0	0	0
15	LSG	0	5	8	12	13	12	13	0
16	SMDR2	0	0	0	0	0	0	0	0
17	H/M	0	0	0	0	0	0	0	0
18	MC	0	0	0	0	0	0	0	0
19	ANI	0	0	0	0	0	0	0	0
20	D	0	0	0	0	0	0	0	0
21	MSB	0	0	0	0	0	0	0	0
22	MSW	0	0	0	0	0	0	0	0
23	TR	0	0	0	0	0	0	0	0
24	OC	0	0	0	0	0	0	0	0
25	R/L	0	0	0	0	0	0	0	0
26	RVSD	0	0	0	0	0	0	0	0
27	TL	0	0	0	0	0	0	0	0
28	ANS	0	1	1	1	0	1	1	0
29	TELP	0	0	0	0	0	0	0	0
30	PAD	0	0	0	4	7	4	7	0
31	OGRL	0	0	0	0	0	1	0	0
32	ICRL	0	0	0	0	0	1	0	0
33	HD	0	0	0	0	0	0	0	0
34	GUARD	0	0	0	0	0	0	0	0
35	WINK	0	0	0	0	0	0	0	0
36	VAD	0	0	0	0	0	0	0	0

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
37	CLD	0	0	0	0	0	0	0	0
38	FA	0	0	0	0	0	0	0	0
39	BC	0	0	0	0	0	0	0	0
40	TCM	0	0	0	0	0	0	0	0
41	TDMQ	0	0	0	0	0	0	0	0
42	TRSC	0	0	0	0	0	0	0	0
43	BT	0	0	0	1	0	0	0	0
44	PRV	0	0	0	0	0	0	0	0
45	A/D	0	0	0	0	0	1	0	0
46	CW	0	0	0	0	0	0	0	0
47	TPQ	0	0	0	0	0	0	0	0
48	BL	0	0	0	0	0	0	0	0
49	TRKS	0	0	0	0	0	0	0	0
50	DPLY	0	0	0	1	0	1	0	0
51	ACD	0	0	0	0	0	0	0	0
52	2W/4W	0	0	0	0	0	0	0	0
53	FAAT	0	0	0	0	0	0	0	0
54	GW	0	0	0	0	0	0	0	0
55	TCMA	0	0	0	0	0	0	0	0
56	SMDR3	0	0	0	0	0	0	0	0
57	HDT	0	0	0	0	0	0	0	0
58	CD	0	0	0	0	0	0	0	0
59	CCH	0	0	0	0	0	0	0	0
60	TC/EC	0	0	0	0	0	0	0	0
61	IRE	0	0	0	0	0	0	0	0
62	SCR	0	0	0	0	0	0	0	0
63	LYER1	0	0	0	0	0	0	0	0
64	NET	0	0	0	0	0	0	0	0
65	INT	0	0	0	0	0			0
66	DC	0	0	0	0	0			0
67	HKS	0	0	0	0	0	0	0	0
68	SCF	0	0	0	0	0	0	0	0
69	SMDR4	0	0	0	0	0	0	0	0
70	TCMN	0	0	0	0	0	0	0	0
71	TCMC	0	0	0	0	0	0	0	0
72	MFSP	0	0	0	0	0	0	0	0
73	KPST	0	0	0	0	0	0	0	0
74	KPPT	0	0	0	0	0	0	0	0

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
75	STC	0	0	0	0	0	0	0	0
76	MC	0	0	0	0	0	0	0	0
77	MT	0	0	0	0	0	0	0	0
78	TONE	0	0	0	0	0	0	0	0
79	PPTM	0	0	0	0	0	0	0	0
80	MPTM	0	0	0	0	0	0	0	0
81	LPTM	0	0	0	0	0	0	0	0
82	RSAX	0	0	0	0	0	0	0	0
83	CST	0	0	0	0	0	0	0	0
84	CSEG	0	0	0	0	0	0	0	0
85	CSEU	0	0	0	0	0	0	0	0
86	CSEL	0	0	0	0	0	0	0	0
87	CMP	0	0	0	0	0	0	0	0
88	TALK	0	0	0	0	0	0	0	0
89	FOT	0	0	0	0	0	0	0	0
90	RST	0	0	0	0	0	0	0	0
91	TOCI	0	0	0	0	0	0	0	0
92	TOCD	0	0	0	0	0	0	0	0
93	ODGD	0	0	0	0	0	0	0	0
94	RLS	0	0	0	0	0	0	0	0
95	GWD	0	0	0	0	0	0	0	0
96	H1	0	0	0	0	0	0	0	0
97	DT	0	0	0	0	0	0	0	0
98	CI	0	0	0	0	0	0	0	0
99	OID	0	0	0	0	0	0	0	0
100	TKS	0	0	0	0	0	0	0	0
101	PAD2	0	0	0	0	0	0	0	0
102	TRM	0	0	0	0	0	0	0	0
103	TRPX	0	0	0	0	0	0	0	0
104	LDR	0	0	0	0	0	0	0	0
105	TSC	0	0	0	0	0	0	0	0
106	SATS	0	0	0	0	0	0	0	0
107	RVPX	0	0	0	0	0	0	0	0
108	DQ	0	0	0	0	0	0	0	0
109	SLOV	0	0	0	0	0	0	0	0
110	SDTO	0	0	0	0	0	0	0	0
111	ADVPR	0	0	0	0	0	0	0	
112	IND	0	0	0	0	0	0	0	0

PARAMETER		KIND OF LOGICAL TRUNK ROUTE							DUMMY ROUTE
		ANALOG C.O BWT	ACIS TIE LINE (E&M)	DID LINE	CCIS LINE		ISDN LINE (PRI)		
FUNCTION					VOICE	DATA	B-CH	D-CH	
113	UUI	0	0	0	0	0	0	0	0
114	DCH	0	0	0	0	0	0	0	0
115	CMRT	0	0	0	0	0	0	0	0
116	PREF	0	0	0	0	0	0	0	0
117	DFS	0	0	0	0	0	0	0	0
118	BOB	0	0	0	0	0	0	0	0
119	HO1CH	0	0	0	0	0	0	0	0
120	IFR	0	0	0	0	0	0	0	0
121	CONV	0	0	0	0	0	0	0	0
122	ORRT	0	0	0	0	0	0	0	0
123	CN1	0	0	0	0	0	0	0	0
124	AOC	0	0	0	0	0		0	0
125	MGCOT	0	0	0	0	0	0	0	0

Template Data

<Default Template>

This function allows the system to set the whole standard Route Class data for the specified item at the same time.

Select “Default Template” from the Template Type menu, specify the item to apply Template Data, and click the Apply button. The DATA box shows the Template Data for the specified item. Then enter input parameters in blank fields and click the SET button after finishing the data input.

Note: In each parameter, the window indicates the area of the changeable data as blank according to customer's condition. The applied Template Data might be also changed manually in some cases.

Route Class Template Data

ITEM	DESCRIPTION
BWT	Analog C.O. Bothway Trunk Route Template Data
E&M	E&M Tie Line Trunk Route Template Data
DIDLINE	DID Line Trunk Route Template Data
CCISVOICE	CCIS Voice Trunk Route Template Data
CCISDATA	CCIS Data Trunk Route Template Data
ISDND-CH	ISDN D-channel Route Template Data
ISDNB-CH	ISDN B-channel Route Template Data
DUMMYROUTE	Dummy Route Template Data

ITEM	DESCRIPTION
MG-BRI	ISDN Route Template Data for MG-BRI
MG-PRID-CH	ISDN Route Template Data for MG-PRI (D-channel)
MG-PRIB-CH	ISDN Route Template Data for MG-PRI (B-channel)
MC-MG(COT)	MC-MG(COT) Route Template Data
MG-SIP	MG-SIP Route Template Data

<Custom Template>

This template allows the user to create and save customized settings. Specifying a template name and clicking the [Add] button will save the current settings in a new template. The template is used for ARTD/ARTDN/AL-RNN commands in common. Up to 20 Custom templates can be saved.

The table below shows the Template Data for the standard Route Class data.

Note 1: Input data in shaded area in the following tables according to customer's actual trunk route condition.

- BWT: Analog C.O. Bothway Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	DATA	CDN
1	OSGS	2	2	ONSG	3	3	ISGS	1
4	INSG	3	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	1	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	0
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	DATA	CDN
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- E&M: E&M Tie Line Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	7	2	ONSG	3	3	ISGS	7
4	INSG	3	5	TF	3	6	TCL	4
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	5
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
28	ANS	1	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- DIDLINE: DID Line Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	0	3	ISGS	7
4	INSG	3	5	TF	2	6	TCL	5
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	8
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- CCISVOICE: CCIS Voice Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	4
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	1	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPRA	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- CCISDATA: CCIS Data Trunk Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	0	6	TCL	4
7	L/T	1	8	RLP	0	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	13
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	7
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- ISDND-CH: ISDN D-channel Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	0	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	13
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	7
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- ISDNB-CH: ISDN B-channel Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	1
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	Note 1	125	MGCOT	0			

- DUMMYROUTE: Dummy Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	0	3	ISGS	0
4	INSG	0	5	TF	0	6	TCL	4
7	L/T	1	8	RLP	0	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	1	14	TNT	0	15	LSG	0
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	Note 1
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- MG-BRI: ISDN Route Template Data for MG-BRI

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	1	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	1	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	1
46	CW	0	47	TPQ	0	48	BL	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	6	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	1
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- MG-PRID-CH: ISDN Route Template Data for MG-PRI (D-channel)

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	0	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	13
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	7
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	0
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

- MG-PRIB-CH: ISDN Route Template Data for MG-PRI (B-channel)

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	4
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	1
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	Note 1	66	DC	Note 1
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	Note 1	125	MGCOT	0			

- MC-MG(COT): MC-MG(COT) Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	3	3	ISGS	1
4	INSG	3	5	TF	3	6	TCL	1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	1	11	TD	0	12	DR	1
13	AC	0	14	TNT	0	15	LSG	0
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	0	29	TELP	0	30	PAD	0
31	OGRL	0	32	ICRL	0	33	HD	0
34	GUARD	0	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0
49	TRKS	0	50	DPLY	0	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	0	66	DC	0
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPRA	0
112	IND	0	113	UUI	0	114	DCH	1
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	1			

- MG-SIP: MG-SIP Route Template Data

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
1	OSGS	0	2	ONSG	2	3	ISGS	0
4	INSG	2	5	TF	3	6	TCL	Note 1
7	L/T	1	8	RLP	2	9	TQ	0
10	SMDR	0	11	TD	0	12	DR	0
13	AC	0	14	TNT	0	15	LSG	12
16	SMDR2	0	17	H/M	0	18	MC	0
19	ANI	0	20	D	0	21	MSB	0
22	MSW	0	23	TR	0	24	OC	0
25	R/L	0	26	RVSD	0	27	TL	0
28	ANS	1	29	TELP	0	30	PAD	7
31	OGRL	1	32	ICRL	1	33	HD	0
34	GUARD	1	35	WINK	0	36	VAD	0
37	CLD	0	38	FA	0	39	BC	0
40	TCM	0	41	TDMQ	0	42	TRSC	0
43	BT	0	44	PRV	0	45	A/D	0
46	CW	0	47	TPQ	0	48	BL	0

CDN	PARAMETER	DATA	CDN	PARAMETER	DATA	CDN	PARAMETER	DATA
49	TRKS	0	50	DPLY	1	51	ACD	0
52	2W/4W	0	53	FAAT	0	54	GW	0
55	TCMA	0	56	SMDR3	0	57	HDT	0
58	CD	0	59	CCH	0	60	TC/EC	1
61	IRE	0	62	SCR	0	63	LYER1	0
64	NET	0	65	INT	10	66	DC	15
67	HKS	0	68	SCF	0	69	SMDR4	0
70	TCMN	0	71	TCMC	0	72	MFSP	0
73	KPST	0	74	KPPT	0	75	STC	0
76	MC2	0	77	MT	0	78	TONE	0
79	PPTM	0	80	MPTM	0	81	LPTM	0
82	RSAX	0	83	CST	0	84	CSEG	0
85	CSEU	0	86	CSEL	0	87	CMP	0
88	TALK	0	89	FOT	0	90	RST	0
91	TOCI	0	92	TOCD	0	93	ODGD	0
94	RLS	0	95	GWD	0	96	H1	0
97	DT	0	98	CI	0	99	OID	0
100	TKS	0	101	PAD2	0	102	TRM	0
103	TRPX	0	104	LDR	0	105	TSC	0
106	SATS	0	107	RVPX	0	108	DQ	0
109	SLOV	0	110	SDTO	0	111	ADVPR	0
112	IND	0	113	UUI	0	114	DCH	0
115	CMRT	0	116	PREF	0	117	DFS	0
118	BOB	0	119	HO1CH	0	120	IFR	0
121	CONV	0	122	ORRT	0	123	CNI	0
124	AOC	0	125	MGCOT	0			

ARTI: Assignment of Trunk Application Data

1. General

This command assigns Trunk Application Data.

2. Precautions

1. The ARTD command should be assigned for the external trunk route.
2. The applicable number of external trunk routes are designated by the ASYD command, SYS1, Index 65.
3. When a difference is found between the retrieved data and modified/deleted data, and when VIR=1, 2, or 3 is assigned in this command, a message dialog appears to urge that the command SCVT be activated in order to change the virtual trunk operation data.
4. When VIR (CDN 68) is changed, execute Memory Initialization by SCVT command.
5. To change the data for existing route (RT), initialize or reboot the trunk device such as circuit card or MG.

3. Data Entry Instructions

See Data Sheet in Section 4.

4. Data Sheet

CDN	ROUTE NUMBER					
	TRUNK DATA					
1	RST	Assignment of Restart 0 = Restart Send per Individual Channel 1 = Not used				

CDN	ROUTE NUMBER					
	TRUNK DATA					
11	DTRT	Deletion of ALL 1 alarm signal (DTI Layer 1 alarm) 0 = Not used 1 = Deletion of ALL 1 alarm signal as a Layer 1 alarm				
12	TMPRT	Temporary Route Information over CCIS 0 = Not used 1 = In CCIS, the route information can be transferred by the call control messages. Moreover, the call restriction can be checked referring to this route information.				
13	CODEC	When assigning this data, always enter “0”.	0	0	0	0
14	PASS	When assigning this data, always enter “0”.	0	0	0	0
15	IRL	Clear call when DTI alarm is detected 0 = Not used 1 = Clear call when DTI alarm is detected Note 1 Note:1 This data should be set when there is no Dch in the physical DTI.				
16	MTC	Assignment of Timer T309 Value. Restoration timer (TC×MTC) seconds. 0-15 = TC×MTC (Restart timer value)				
17	TC	Timer T309 Counter Value 0 = Not used 1 = 64 milliseconds 2 = Not used 3 = two seconds 4 = 30 seconds 5 = five 5 minutes 6 = one seconds 7 = Not used				
18	TS	When assigning this data, always enter “0”.	0	0	0	0
19	CDCSPD	When assigning this data, always enter “0”.	0	0	0	0
20	DVRST	Call restriction while TIE Line is backed up on ISDN. 0 = No restriction 1 = Speech call restriction (Speech. 3.1 kHz audio, 7 kHz audio calls are restricted) 2 = Data call restriction (Unrestricted digital, restricted digital and Video data are restricted.) 3 = Both Speech and Data calls are restricted.				
21	RSCT	Call restricted by Temporary Route Information 0 = No restriction 1 = Restriction Note: This data is effective when TMPRT = 1.				
22	ROCG	Outgoing Call Account by Temporary Route Information 0 = Not used 1 = Effective Note: This data is effective when TMPRT = 1.				

CDN	ROUTE NUMBER					
	TRUNK DATA					
23	RICG	Incoming Call Account by Temporary Route Information 0 = Not used 1 = Effective Note: This data is effective when TMPRT = 1.				
24	STSENQ	Status Inquiry Message Send 0 = Out of service 1 = In service				
25	MMNPASS	When assigning this data, always enter “0”.	0	0	0	0
26	DLTK	(Japan only) When assigning this data, always enter “0”.	0	0	0	0
27	CALN	(Japan only) When assigning this data, always enter “0”.	0	0	0	0
28	NETINT	(Japan only) When assigning this data, always enter “0”.	0	0	0	0
29	INBAND	Inband information Relay 0 = Relayed 1 = Not relayed Note: Consider the following when making a tandem connection from MG-SIP TIE Line to an external trunk (ISDN). • When ARTI/ARTIN INBAND (CDN:29)=0 (In-band information is relayed): When a station user attempts to transfer a call to an external trunk and then performs transfer switchback operation while hearing audible sound such as In-band Busy Tone or announcement, the station user may continue to hear the audible sound even after the transfer switchback. • When ARTI/ARTIN INBAND (CDN:29)=1 (In-band information is not relayed): Since In-band tone such as Busy Tone or announcement from a public network becomes difficult to be transmitted to MG-SIP TIE Line, the calling party may not hear the announcement from the public network.				
30	RETMSG	(Australia only) Return Message for Connect ISDN LINE with Analog Trunk 0 = CALL PROC. + ALERT 1 = CALL PROC. + ALERT or CALL PROC. + PROGRESS				
31	ANI	Timing to demand ANI Information 0 = There is no ANI demand at Incoming call 1 = After receiving first digit 2 = After receiving second digit 3 = After receiving third digit 4 = After receiving fourth digit 5 = After receiving fifth digit 6 = After receiving sixth digit 7 = After receiving seventh digit				

CDN	ROUTE NUMBER					
	TRUNK DATA					
32	SRV	Additional Service Selection b0 = Advice of Charge (AOC) 0 = Valid 1 = Invalid b1 = Malicious Call Trace (MCT)/Malicious Call Identification (MCID) 0 = Valid 1 = Invalid b2-b6 = Not used b7 = TON and/or NPI 0 = Invalid 1 = Valid Note: Input this data by a decimal.				
33	TON	Type of Number 0 = Unknown 1 = International Number /Level 2 Regional Number 2 = National Number /Level 1 Regional Number 3 = Network Special Number 4 = Subscriber Number/Local Number 5 = Not used 6 = Abbreviated Number 7 = Reserved for Extension Note: This data is effective when ARTD, INT = 4 and SRV b7 = 1 is assigned.				
34	NPI	Numbering Plan Identification 0 = Unknown 1 = ISDN/Telephony Numbering Plan 2 = Not used 3 = Data Numbering Plan 4 = Telex Numbering Plan 5-7 = Not used 8 = National Standard Numbering Plan 9 = Private Numbering Plan 10-14 = Not used 15 = Reserved for Extension Others = Not used Note: This data is effective when ARTD, INT = 4 and SRV b7 = 1 is assigned.				
35	L/T	Local/Toll (<i>Russia only</i>) When assigning this data, always enter “0”.	0	0	0	0

CDN	ROUTE NUMBER					
	TRUNK DATA					
36	ECCIS	Event-Based CCIS 0 = Out of service 1 = In service				
37	ECCISTM	Release timer for Event-Based CCIS 0 = 3 minutes (Default setting) 1 = 15 Seconds 2 = 30 Seconds 3 = 1 minute 4 = 2 minutes 5 = 5 minutes 6 = 10 minutes 7 = 30 minutes 8 = 30 minutes 9 = 1 hour 10-13 = Not used 14 = Immediately after call completion 15 = Not released				
38	ECCISOB	OG Billing for Event-Based CCIS Line 0 = Out of service 1 = In service				
39	ECCISIB	IC Billing for Event-Based CCIS Line 0 = Out of service 1 = In service				
40	SPMET	Meter Pulse Observation Control 0 = - 1 = Low to High Transition 2 = High to Low Transition 3 = Low to High & High to Low Transition				
41	IDRT	ID Code Specification Not used				
42	ECCISTD	Addressing Information used in Event-Based CCIS 0/1 = Called DID Number/Called Sub Address				
43	MFCG2	MFC Outgoing Call GII 0/1 = Priority/Non Priority				
44	OPCC	Optimal Call Control 0/1 = In service/Out of service				
45	ICTCON	ICT Control Not used. Always enter 0.	0	0	0	0
46	VRD	Voice Recognize Dial When assigning this data, zero (0) should always be entered.	0	0	0	0

CDN	ROUTE NUMBER					
	TRUNK DATA					
47	INTD	Interface Detail 0 = Q-SIG 1 = IS-11572 2 = SIP				
48	JECCIS	Common Use with Event-Based CCIS 0/1 = Out of service/In service				
49	ECCIS2	Event-Based CCIS System 0 = Out of service 1 = Common Channel System 2 = Not used 3 = Not used				
50	IPINT	(Japan only) Public PCS Protocol 0-5 = Not used 6 = IP Protocol (2B + D) 7 = Public PCS Protocol (2B + D) 8-15 = Not used				
51	IPTRK	IP Trunk 0/1 = Out of service/In service				
52	CTCF	Call Transfer/Forwarding Q.SIG Supplementary Service 0/1 = Out of service/In service				
53	RERT	Rerouting Function 0/1 = Out of service/In service				
54	DCANS	Answer when DC Dialing 0/1 = Out of service/In service				
55	RND	Trunk Select Data in Round Robin Formula 0/1 = Out of service/In service				
56	CLBK	Kind of Collect Call Blocking Signal (Brazil only) 0 = GB-7 1 = GB-3				
57	UALAW	User Information for Layer 1 Protocol 0 = Transparent 1 = μ-law output 2 = A-law output 3 = Not used				

CDN	ROUTE NUMBER					
TRUNK DATA						
58	MCTFAC	MCT (MCID) Service Send Message (available when ARTD CDN68 INT=4) 0 = When using MCT (MCID) service, send Keypad information element 1 = When using MCT (MCID) service, send FACILITY message				
59	RE	Recall Supplementary Service 0/1 = Out of service/In service				
60	PR	Path Replacement Additional Network Feature 0/1 = Out of service/In service				
61	COT	Continuity check for Signaling System CCIS 0/1 = Out of service/In service				
62	SS7	Signaling System CCIS 0/1 = CCITT CCIS/SS7				
63	NI2ID	Identifier for National ISDN2 [0-15] 0 = Out of service (the local carrier doesn't support TBCT, or Node doesn't have it subscribed with local carrier) 1-14 = In service when own and opposite side NI-2 Trunks match this value. Otherwise out of service. Note 1 15 = In service when own and opposite side NI-2 routes serve a same node (FPC). Otherwise out of service. Note 2				

CDN	ROUTE NUMBER					
	TRUNK DATA					
64	CLRF	CCIS Link Reconnection for FCCS 0/1 = Out of service/In service				
65	TRC	Transit Counter Note 3 0/1 = Out of service/In service				
66	OID	Object ID in Facility IE 0 = local 1 = global				
67	PHG	PHG Trunk 0/1 = Out of service/In service				
68	VIR	Virtual Trunk Data [0-3] Note 4 0 = Out of service 1 = WAN Connection 2 = MG Connection 3 = Not used To effect this data change, do the following: 1. Open SCVI command. 2. Confirm the trunk status is idle. 3. Execute Memory Initialization. 4. Open SCVI command to confirm if Memory Initialization is activated.				
69	KANJI	KANJI indication for inter-node call name display on Dterm (Japan only) 0/1 = Out of service/In service (fixed to “0”)				

Note 1: Do not choose 1-14 unless very familiar with this configuration.
Assign the same NI-2 identification to PRI routes that have been contracted with a PSTN.

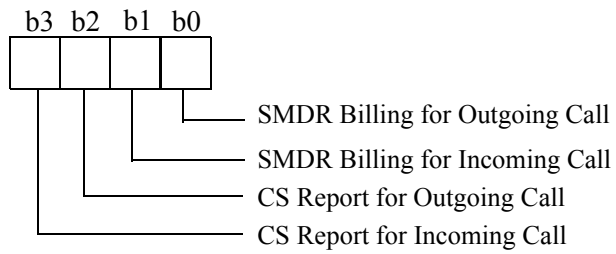
Note 2: Recommended Configuration:
All routes in the same node should be connected to a single N-ISDN2.

Note 3: TRC is counted up every time when the call passes through tandem node. The maximum of TRC = 31 (fixed).

Note 4: Do not set this data for trunk circuit cards accommodated to a physical PIR.

CDN	ROUTE NUMBER					
	TRUNK DATA					
70	CSMDS	Collected Information of CS Report and SMDR Billing (See Figure and Table below) Note 5 0 = CS Report and SMDR Billing for outgoing/incoming call 1 = SMDR Billing for outgoing call 2 = SMDR Billing for incoming call 3 = SMDR Billing for outgoing/incoming call 4 = CS Report for outgoing call 5 = CS Report and SMDR Billing for outgoing call 6 = CS Report for outgoing call and SMDR Billing for incoming call 7 = CS Report for outgoing call and SMDR Billing for outgoing/incoming call 8 = CS Report for incoming call 9 = CS Report for incoming call and SMDR Billing for outgoing call 10 =CS Report and SMDR Billing for incoming call 11 =CS Report for incoming call and SMDR Billing for outgoing/incoming call 12 =CS Report for outgoing/incoming call 13 =CS Report for outgoing/incoming call and SMDR Billing for outgoing call 14 =CS Report for outgoing/incoming call and SMDR Billing for incoming call 15 =CS Report and SMDR Billing for outgoing/incoming call				

Note 5: If this data is not assigned, all the information of CS Report and SMDR Billing is output.

CDN70 (CSMDS)

Input Value on MAT	b0 (SMDR Billing for Outgoing Call)	b1 (SMDR Billing for Incoming Call)	b2 (CS Report for Outgoing Call)	b3 (CS Report for Incoming Call)
0	×	×	×	×
1	×	-	-	-
2	-	×	-	-
3	×	×	-	-
4	-	-	×	-
5	×	-	×	-
6	-	×	×	-
7	×	×	×	-
8	-	-	-	×
9	×	-	-	×
10	-	×	-	×
11	×	×	-	×
12	-	-	×	×
13	×	-	×	×
14	-	×	×	×
15	×	×	×	×

CDN	ROUTE NUMBER					
	TRUNK DATA					
71	FXD	IP FAX data 0/1 = Out/In service				
72	FXJS	Jitter Buffer Size for IP FAX Note 6 0 = - 1-30 = 10ms~300ms (1-30×10ms)				
73	FXPT	Payload Type for IP FAX Note 6 0 = - 1 = G.711 2 = G.726 3 = T.30 4 = - (Not used) 5 = T.38 (UDP) 6 = - (Not used)				
74	FXPS	Payload Size for IP FAX Note 6, Note 7 0 = - 1 = 10 milliseconds 2 = 20 milliseconds 3 = 30 milliseconds 4 = 40 milliseconds				
75	CPI	CPI set up 0 = When IAI/TRM send, CPI set up 2 1 = When IAI/TRM send, CPI set up 0				
76	E911	National ISDN-2 (NI-2) 911 Emergency Call Outgoing Route Note 8 0/1 = Out of service/In service				
77	RA_RT	Register type (MG-SIP) 0 = Virtual Register is used 1 = Register card is used				
78	CLICF	CLIP/CLIR is chosen at the time of call forwarding Note 9 0=Out of service 1=In service (Notice of number create itself.)				
79	FTRKS	Trunk Selection (VS32) 0=Trunk is selectable. 1=Voice quality is taken as top priority. 2=An area to which an operator belongs is given top priority. 3=Not used.				
80	IONAME	Set “0” to this CDN.				
81	BNOVR	Set “0” to this CDN.				

CDN	ROUTE NUMBER					
TRUNK DATA						
82	FDISC	Forced Disconnect Trunk Feature Note 10 0=No Forced Disconnect on the route 1=Forced Disconnect only on outgoing calls 2=Forced Disconnect only on incoming calls 3=Forced Disconnect on incoming and outgoing calls				
83	B2BUA	Not used				
84	COLP	COLP Feature (Connected Line Identification Presentation) 0 = Out of service 1 = In service				
85	ADRSING	ISDN Addressing Feature 0 = Out of service 1 = In service				
86	OVRRCV	Overlap Receiving 0 = Out of service 1 = In service				
87	OVRSDND	Overlap Sending 0 = Out of service 1 = In service				
88	OVRSDC	Number of Digits of Called Number that is set to SET-UP 0 = - 1 - 20=1-20 digits				
89	REGION	Selection of ISDN Interface 0 = None specified 1 = ETSI ISDN Note 11				
90	SMDS5	Trunk Arrival/Sending Time and Abandoned Call Information is output to SMDR. Note 12 Note 13 0 = Not output 1 =Output				
91	EU_OPT	Euro ISDN Option Note 14 0 = Automatic Connection/P-to-P Connection 1 =Non-automatic Connection/P-to-P Connection 2 = Automatic Connection/P-to-M Connection 3 =Non-automatic Connection/P-to-M Connection				
92	EBDC	Number of Digits of Called Party Number (for Mobility Access feature)				
93	ICCBS	Completion of Call to Busy Subscriber (<i>Available only in EMEA</i>)				

CDN	ROUTE NUMBER					
	TRUNK DATA					
94	B2BINUM	B2BUA Calling Number Notify Service 0 = Out of Service 1 = In Service <i>(Available in Japan only.)</i>				
95	MONITOR	ACD monitor link connection Note 15 0 = Single Connection 1 = Multi Connection				
96	MGSIPSV	MG(SIP) Additional Service 0 = Out of Service 1 = MS-UC connection 2 = Not used 3 = TIE Line connection 4-15 = Not used (fixed to “0”)				
97	RSTA	Send Restart Ack Signal to the Public Network 0 = Out of Service 1 = In Service (fixed to “0”)				
98	MSRT	Mobile Service 0 = Out of Service 1 = In Service (fixed to “0”)				
99	TCGNI	Not used				
100	TCGNO	Not used				
101	SIPTONE	Not used				
102	OAIINFO	Not used				
103	MSCCNT	Not used				
104	TCGNC	Not used				
105	PRTCC	Primary Route for CPN Conversion 0 = Out of Service 1-255 = External Route Number				
106	GUIDANCE	Not used				
107	LOOP	Loop Detection Note 16, Note 17 0 = Out of Service 1 = In Service				
108	SD183SDP	Inband information Relay for MG-SIP TIE Line Note 16, Note 17 0 = Out of Service 1 = In Service				

CDN	ROUTE NUMBER				
	TRUNK DATA				
109	REF_GRP	REFER transfer group Note 18 0 = Out of Service 1-7 = REFER transfer group number			
110	MLTMEDIA	Multimedia Communication Note 18 0 = Out of Service 1 = In Service			
111	302REDIRECT	MG-SIP Call Forward - Moved Temporarily Redirect Note 18, Note 19 0 = Out of Service 1 = In Service			
112	ACFO_TN	ACFO_TN data setting Note 20 0 = No tenant number 1-63 = Tenant number Note 21			

Note 6: This parameter turns valid when G.711 or G.726 is selected in FXPT.

Note 7: Only 40 milliseconds can be selected with MG-PRI.

Note 8: Available in North America only.

Note 9: Available in Australia only.

Note 10: Available in North America and Asia.

Note 11: Required for Euro ISDN (EMEA) only.

Note 12: Trunk Sending Time and Abandoned Call Time for Outgoing Trunk Call are available from FP95-113 V3.

Note 13: Trunk Arrival Time and Abandoned Call Time for Incoming Trunk Call are available in EMEA from FP95-111 V1 and in other countries from FP95-113 V3.

Note 14: When 'Non-automatic Connection' is specified (CDN91=1 or 3), the system does not automatically reconnect a Layer 2 link after a disconnect due to network failure.

Note 15: Assign the data only on the route to which outgoing trunk that uses Multi-Path Monitor Connection is registered. If an outgoing trunk not available for Multi-Path Monitor Connection is registered, an abnormality such as a silence or one way speech will occur. Also, changing the MONITOR data does not require the rebooting of MG or IP equipment.

Note 16: Available since FP95-113 V3.

Note 17: This parameter is valid only for MG-SIP TIE Line.

Note 18: Available since FP95-114 V4.

Note 19: Available in New Zealand only.

Note 20: Available since FP95-114 V4 Issue 2.0.

Note 21: Specify the tenant number assigned with the ACFO/ACFOL/ACFON command.

ARTIN: Assignment of Trunk Application Data for NDM

1. General

This command assigns and deletes trunk application data in the FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command can only be used when logging in to the Network Control Node (NCN).
2. The data assigned by this command is also allocated to the Trunk Application data for physical route (ARTI). If the Trunk Application data is deleted by using this command, however, the data for physical route is not deleted. Therefore, use the ARTI command to invalidate the Trunk Application Data for physical route.
3. When a difference is found between the retrieved data and modified/deleted data, and when VIR=1, 2, or 3 is assigned in this command, a message dialog appears to urge that the command SCVT be activated in order to change the virtual trunk operation data.
4. When VIR (CDN 68) is changed, execute Memory Initialization by SCVT command.
5. To change the data for existing route (RT), initialize or reboot the trunk device such as circuit card or MG.

3. Data Entry Instructions

See the Data Sheet in Section 4.

4. Data Sheet

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
1	RST	Assignment of Restart 0 = Restart Send per Individual Channel 1 = Not used 2 = Not used 3 = Restart not Send				
2	HMT	When assigning this data, always enter “0”.	0	0	0	0
3	TRCRST	Call Restriction by Information transfer rate in Bearer Capability Information Element 0 = No restriction 1 = Data call restriction (Unrestricted digital, Restricted digital and Video data calls are restricted.) 2 = Speech call restriction (Speech, 3.1 kHz audio and 7 kHz audio calls are restricted.) 3-15 = Not used				
4	TRSRST	Call Restriction by Information transfer rate in Bearer Capability Information Element 0 = No restriction 1 = 384 Kbps (H0) call is restricted 2 = 1536 Kbps (H11)/1920 Kbps (H12) call is restricted. 3 = 384 Kbps and 1536 (H11)/1920 Kbps (H12) calls are restricted. 4-15 = Not used				
5	T309LNK	Assignment of Timer T309 for Data Link Failure 0 = Layer 2 Alarm with T309 for Data Link Failure 1 = Layer 2 Alarm [Temporary] with T309 is enabled 2 = Layer 2 Alarm [Permanent] with T309 is enabled 3 = Not used				
6	T309CON	Assignment of Timer T309 for Layer 1 Failure 0 = Layer 1 Alarm with T309 is disabled 1 = Layer 1 Alarm [Temporary] with T309 is enabled 2 = Layer 1 Alarm [Permanent] with T309 is enabled 3 = Not used				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
7	LLCRST	Call Restriction by user rate in Low Layer Capability Information Element 0 = No restriction 1-31 = Call that includes this user rate value is restricted. Note: User rate value is based on ITU-T Q-931.				
8	VCM	When assigning this data, always enter “0”.	0	0	0	0
9	OVRT	When assigning this data, always enter “0”.	0	0	0	0
10	POOL	When assigning this data, always enter “0”.	0	0	0	0
11	DTRT	Deletion of ALL 1 alarm signal (DTI Layer 1 alarm) 0 = Not used 1 = Deletion of ALL 1 alarm signal as a Layer 1 alarm				
12	TMPRT	Temporary Route Information over CCIS 0 = Not used 1 = In CCIS, the route information can be transferred by the call control messages. Moreover, the call restriction can be checked referring to this route information.				
13	CODEC	When assigning this data, always enter “0”.	0	0	0	0
14	PASS	When assigning this data, always enter “0”.	0	0	0	0
15	IRL	Clear call when DTI alarm is detected 0 = Not used 1 = Clear call when DTI alarm is detected Note: This data should be set when there is no Dch in the physical DTI.				
16	MTC	Assignment of Timer T309 Value. Restoration timer (TC×MTC) seconds. 0-15 = TC×MTC (Restart timer value)				
17	TC	Timer T309 Counter Value 0 = Not used 1 = 64 milliseconds 2 = Not used 3 = 2 seconds 4 = 30 seconds 5 = 5 minutes 6 = 1 seconds 7 = Not used				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
18	TS	When assigning this data, always enter “0”.	0	0	0	0
19	CDCSPD	When assigning this data, always enter “0”.	0	0	0	0
20	DVRST	Call restriction while TIE Line is backed up on ISDN. 0 = No restriction 1 = Speech call restriction (Speech. 3.1 kHz audio, 7 kHz audio calls are restricted) 2 = Data call restriction (Unrestricted digital, restricted digital and Video data are re- stricted.) 3 = Both Speech and Data calls are restricted.				
21	RSCT	Call restricted by Temporary Route Informa- tion. 0 = No restriction 1 = Restriction Note: This data is effective when TMPRT=1.				
22	ROCG	Outgoing Call Account by Temporary Route Information. 0 = Not used 1 = Effective Note: This data is effective when TMPRT=1.				
23	RICG	Incoming Call Account by Temporary Route Information 0 = Not used 1 = Effective Note: This data is effective when TMPRT=1.				
24	STSENQ	Status Inquiry Message Send 0 = Out of service 1 = In service				
25	MMNPASS	When assigning this data, always enter “0”.	0	0	0	0
26	DLTK	(Japan only) When assigning this data, always enter “0”.	0	0	0	0
27	CALN	(Japan only) When assigning this data, always enter “0”.	0	0	0	0
28	NETINT	(Japan only) When assigning this data, always enter “0”.	0	0	0	0

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
29	INBAND	Inband information Relay 0 = Relayed 1 = Not Relayed				
		Note: Consider the following when making a tandem connection from MG-SIP TIE Line to an external trunk (ISDN). - When ARTI/ARTIN INBAND (CDN:29)=0 (In-band information is relayed): When a station user attempts to transfer a call to an external trunk and then performs transfer switchback operation while hearing audible sound such as In-band Busy Tone or announcement, the station user may continue to hear the audible sound even after the transfer switchback. - When ARTI/ARTIN INBAND (CDN:29)=1 (In-band information is not relayed): Since In-band tone such as Busy Tone or announcement from a public network becomes difficult to be transmitted to MG-SIP TIE Line, the calling party may not hear the announcement from the public network.				

CDN	LOGICAL ROUTE NUMBER (1-899)				
	TRUNK DATA				
30	RETMSG	(Australia only) Return Message for Connect ISDN LINE with Analog Trunk 0 = CALL PROC. + ALERT 1 = CALL PROC. + ALERT or CALL PROC. + PROGRESS			
31	ANI	Timing to demand ANI Information 0 = There is no ANI demand at Incoming call 1 = After receiving first digit 2 = After receiving second digit 3 = After receiving third digit 4 = After receiving fourth digit 5 = After receiving fifth digit 6 = After receiving sixth digit 7 = After receiving seventh digit			
32	SRV	Additional Service Selection b0 = Advice of Charge (AOC) b0 = Valid 1 = Invalid b1 = Malicious Call Trace (MCT)/Malicious Call Identification (MCID) 0 = Valid 1 = Invalid b2-b6 = Not used b7 = TON and/or NPI 0 = Invalid 1 = Valid Note: Input this data by a decimal.			
33	TON	Type of Number 0 = Unknown 1 = International Number/Level 2 Regional Number 2 = National Number /Level 1 Regional Number 3 = Network Special Number 4 = Subscriber Number/Local Number 5 = Not used 6 = Abbreviated Number 7 = Reserved for Extension Note: This data is effective when ARTD, INT = 4 and SRV b7 = 1 is assigned.			

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
34	NPI	Numbering Plan Identification 0 = Unknown 1 = ISDN/Telephony Numbering Plan 2 = Not used 3 = Data Numbering Plan 4 = Telex Numbering Plan 5-7 = Not used 8 = National Standard Numbering Plan 9 = Private Numbering Plan 10-14 = Not used 15 = Reserved for Extension Others = Not used Note: This data is effective when ARTD, INT = 4 and SRV b7 = 1 is assigned.				
35	L/T	Local/Toll (<i>Russia only</i>) When assigning this data, always enter “0”.	0	0	0	0
36	ECCIS	Event-Based CCIS 0/1 = Invalid/Valid				
37	ECCISTM	Release timer for Event-Based Line 0: three minutes (Default) 1: 15 seconds 2: 30 seconds 3: one minute 4: two minutes 5: five minutes 6: 10 minutes 7: 15 minutes 8: 30 minutes 9: one hour 10-13: Not used 14: Immediately after call completion (for Speech Channel)/1 minute (for Single Channel) 15: Not released				
38	ECCISOB	OG Billing for Event-Based CCIS Line 0/1 = Not required/Required				
39	ECCISIB	IC Billing for Event-Based CCIS Line 0/1 = Not required/Required				
40	SPMET	Meter Pulse Observation Control 0 = - 1 = Low to High Transition 2 = High to Low Transition 3 = Low to High & High to Low Transition				
41	IDRT	ID Code Specification Not used				
42	ECCISTD	Addressing Information used in Event-Based CCIS 0 = Called DID number 1 = Called Sub Address				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
43	MFCG2	MFC Outgoing Call GII (Calling Party Category) 0 = Subscriber with Priority 1 = Subscriber without Priority				
44	OPCC	Optimal Call Control 0 = In service 1 = Out of service				
45	ICTCON	ICT Control Not used. Always enter “0”.	0	0	0	0
46	VRD	Voice Recognize Dial When assigning this data, always enter “0”.	0	0	0	0
47	INTD	Interface Detail 0 = Q-SIG 1 = IS-11572 2 = H.323 (Not used)				
48	JECCIS	Common Use with Event-Based CCIS RT 0 = Out of service 1 = In service				
49	ECCIS2	Event-Based CCIS System 0 = Out of service 1 = Common Channel System 2 = Not used 3 = Not used				
50	IPINT	(Japan only) Public PCS Protocol 0-5 = Not used 6 = IP Protocol (2B+D) 7 = Public PCS Protocol (2B+D) 8-15 = Not used				
51	IPTRK	IP Trunk 0 = Out of service 1 = In service				
52	CTCF	Call Transfer/Forwarding Q.SIG Supplementary Service 0 = Out of service 1 = In service				
53	RERT	Rerouting Function 0 = Out of service 1 = In service				
54	DCANS	Answer when DC Dialing 0 = Out of service 1 = In service				
55	RND	Trunk Select Data in Round Robin Formula 0 = Out of service 1 = In service				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
56	CLBK	Kind of Collect Call Blocking Signal (Brazil only) 0 = GB-7 1 = GB-3				
57	UALAW	User Information for Layer 1 Protocol 0 = Transparent 1 = μ-law output 2 = A-law output 3 = Not used				
58	MCTFAC	MCT (MCID) Service Send Message (available when ARTD CDN68 INT=4) 0 = When using MCT (MCID) service, send Keypad information element 1 = When using MCT (MCID) service, send FACILITY message				
59	RE	Recall Supplementary Service 0/1 = Out of service/In service				
60	PR	Path Replacement Additional Network Feature 0/1 = Out of service/In service				
61	COT	Continuity check for Signaling System CCIS 0/1 = Out of service/In service				
62	SS7	Signaling System CCIS 0/1 = CCIT CCIS/SS7				
63	NI2ID	Network Identifier for NI-2 [0-15] 0 = Out of service (the local carrier doesn't support TBCT, or Node doesn't have it subscribed with local carrier) 1-14 = In service only when own and opposite side NI-2 Trunks match this value. Otherwise out of service. Note 1 15 = In service only when own and opposite side NI-2 routes serve a same node (FPC). Otherwise out of service. Note 2				

Note 1: Do not choose 1-14 unless very familiar with this configuration.
Assign the same NI-2 identification to PRI routes that have been contracted with a PSTN.

Note 2: Recommended configuration:
All routes in the same node should be connected to a single N-ISDN2.

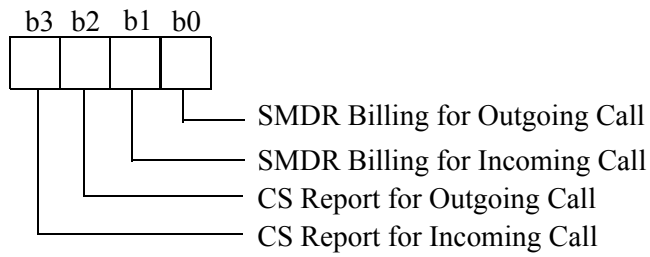
CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
64	CLRF	CCIS Link Reconnection for FCCS 0/1 = Out of service/In service				
65	TRC	Transit Counter Note 3 0/1 = Out of service/In service				
66	OID	Object ID in Facility IE 0 = local 1 = global				
67	PHG	PHG Trunk 0/1 = Out of service/In service				
68	VIR	Virtual Trunk Data [0-3] Note 4 0 = Out of service 1 = WAN Connection 2 = MG Connection 3 = Not used To effect this data change, do the following: 1. Open SCVI command. 2. Confirm the trunk status is idle. 3. Execute Memory Initialization. 4. Open SCVI command to confirm if Memory Initialization is activated.				
69	KANJI	KANJI indication for inter-node call name display on Dterm (Japan only) 0/1 = Out of service/In service (fixed to “0”)				

Note 3: TRC is counted up everytime when the call passes through tandem node. The maximum of TRC = 31 (fixed).

Note 4: Do not set this data for trunk circuit cards accommodated to a physical PIR.

CDN	LOGICAL ROUTE NUMBER (1-899)				
	TRUNK DATA				
70	CSMDS	Collected Information of CS Report and SMDR Billing Note 5 0 = CS Report and SMDR Billing for outgoing/incoming call 1 = SMDR Billing for outgoing call 2 = SMDR Billing for incoming call 3 = SMDR Billing for outgoing/incoming call 4 = CS Report for outgoing call 5 = CS Report and SMDR Billing for outgoing call 6 = CS Report for outgoing call and SMDR Billing for incoming call 7 = CS Report for outgoing call and SMDR Billing for outgoing/incoming call 8 = CS Report for incoming call 9 = CS Report for incoming call and SMDR Billing for outgoing call 10 = CS Report and SMDR Billing for incoming call 11 = CS Report for incoming call and SMDR Billing for outgoing/incoming call 12 = CS Report for outgoing/incoming call 13 = CS Report for outgoing/incoming call and SMDR Billing for outgoing call 14 = CS Report for outgoing/incoming call and SMDR Billing for incoming call 15 = CS Report and SMDR Billing for outgoing/incoming call			

Note 5: If this data is not assigned, all the information of CS Report and SMDR Billing is output.

CDN70 (CSMDS)

Input Value on MAT	b0 (SMDR Billing for Outgoing Call)	b1 (SMDR Billing for Incoming Call)	b2 (CS Report for Outgoing Call)	b3 (CS Report for Incoming Call)
0	×	×	×	×
1	×	-	-	-
2	-	×	-	-
3	×	×	-	-
4	-	-	×	-
5	×	-	×	-
6	-	×	×	-
7	×	×	×	-
8	-	-	-	×
9	×	-	-	×
10	-	×	-	×
11	×	×	-	×
12	-	-	×	×
13	×	-	×	×
14	-	×	×	×
15	×	×	×	×

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
71	FXD	IP FAX data 0/1 = Out of service/In service				
72	FXJS	Jitter Buffer Size for IP FAX 0 = - 1-30 = 10milliseconds~300milliseconds (1-30×10mil- liseconds)				
73	FXPT	Payload Type for IP FAX 0 = - 1 = G.711 2 = G.726 3 = T.30 4 = - (Not used) 5 = T.38 (UDP) 6 = - (Not used)				
74	FXPS	Payload Size for IP FAX Note 6, Note 7 0 = - 1 = 10milliseconds 2 = 20milliseconds 3 = 30milliseconds 4 = 40 milliseconds				
75	CPI	CPI set up 0 = When IAI/TRM send, CPI set up 2 1 = When IAI/TRM send, CPI set up 0				
76	E911	National ISDN-2 (NI-2) 911 Emergency Call Outgoing Route Note 7 0/1 = Out/In service				
77	RA_RT	Register type (MG-SIP) 0 = Virtual Register is used 1 = Register card is used				
78	CLICF	CLIP/CLIR is chosen at the time of call forwarding Note 8 0 = Out of service 1 = In service (Notice of number create itself.)				
79	FTRKS	Trunk Selection (VS32) 0=Trunk is selectable. 1=Voice quality is taken as top priority. 2=An area to which an operator belongs is given top priority. 3=Not used				
80	IONAME	Set “0” to this CDN.				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
81	BNOVR	Set “0” to this CDN.				
82	FDISC	Forced Disconnect Trunk Feature Note 9 0=No Forced Disconnect on the route 1=Forced Disconnect only on outgoing calls 2=Forced Disconnect only on incoming calls 3=Forced Disconnect on incoming and outgoing calls				
83	B2BUA	Not used				
84	COLP	COLP Feature (Connected Line Identification Presentation) 0 = Out of service 1 = In service				
85	ADRSING	ISDN Addressing Feature 0 = Out of service 1 = In service				
86	OVRRCV	Overlap Receiving 0 = Out of service 1 = In service				
87	OVRSND	Overlap Sending 0 = Out of service 1 = In service				
88	OVRSDC	Number of Digits of Called Number that is set to SET-UP 0 = - 1 - 20=1-20 digits				
89	REGION	Selection of ISDN Interface 0 = - 1 = ETSI ISDN Note 10				
90	SMDS5	Trunk Arrival /Sending Time and Abandoned Call Information is output to SMDR. Note 11 Note 12 0 = Not output 1 =Output				
91	EU_OPT	Euro ISDN Option Note 13 0 = Automatic Connection/P-to-P Connection 1 = Non-automatic Connection/P-to-P Connection 2 = Automatic Connection/P-to-M Connection 3 = Non-automatic Connection/P-to-M Connection				
92	EBDC	Number of Digits of Called Party Number (for Mobility Access feature)				
93	ICCBS	Completion of Call to Busy Subscriber (<i>Available only in EMEA</i>)				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
94	B2BINUM	B2BUA Calling Number Notify Service 0 = Out of Service 1 = In Service (Available in Japan only.)				
95	MONITOR	ACD monitor link connection Note 14 0 = Single Connection 1 = Multi Connection				
96	MGSIPSV	MG(SIP) Additional Service 0 = Out of Service 1 = MS-UC connection 2 = Not used 3 = TIE Line connection 4-15 = Not used (fixed to “0”)				
97	RSTA	Send Restart Ack Signal to the Public Network 0 = Out of Service 1 = In Service (fixed to “0”)				
98	MSRT	Mobile Service 0 = Out of Service 1 = In Service (fixed to “0”)				
99	TCGNI	Not used				
100	TCGNO	Not used				
101	SIPTONE	Not used				
102	OAIINFO	Not used				
103	MSCCNT	Not used				
104	TCGNC	Not used				
105	PRTCC	Primary Route for CPN Conversion 0 = Out of Service 1-899 = Logical Route Number				
106	GUIDANCE	Not used				
107	LOOP	Loop Detection Note 15, Note 16 0 = Out of Service 1 = In Service				
108	SD183SDP	Inband information Relay for MG-SIP TIE Line Note 15, Note 16 0 = Out of Service 1 = In Service				

CDN	LOGICAL ROUTE NUMBER (1-899)					
	TRUNK DATA					
109	REF_GRP	REFER transfer group Note 17 0 = Out of Service 1-7 = REFER transfer group number				
110	MLTMEDIA	Multimedia Communication Note 17 0 = Out of Service 1 = In Service				
111	302REDIRECT	MG-SIP Call Forward - Moved Temporarily Redirect Note 17, Note 18 0 = Out of Service 1 = In Service				
112	ACFO_TN	ACFO_TN data setting Note 19 0 = No tenant number 1-63 = Tenant number Note 20				

Note 6: This parameter is valid when G.711 or G.726 is selected in FXPT.

Note 7: Available in North America only.

Note 8: Available in Australia only.

Note 9: Available in North America and Asia.

Note 10: Required for Euro ISDN (EMEA) only.

Note 11: Trunk Sending Time and Abandoned Call Time for Outgoing Trunk Call are available from FP95-113 V3.

Note 12: Trunk Arrival Time and Abandoned Call Time for Incoming Trunk Call are available in EMEA from FP95-111 V1 and in other countries from FP95-113 V3.

Note 13: When 'Non-automatic Connection' is specified (CDN91=1 or 3), the system does not automatically reconnect a Layer 2 link after a disconnect due to network failure.

Note 14: Assign the data only on the route to which outgoing trunk that uses Multi-Path Monitor Connection is registered. If an outgoing trunk not available for Multi-Path Monitor Connection is registered, an abnormality such as a silence or one way speech will occur. Also, changing the MONITOR data does not require the rebooting of MG or IP equipment.

Note 15: Available since FP95-113 V3.

Note 16: This parameter is valid only for MG-SIP TIE Line.

Note 17: Available since FP95-114 V4.

Note 18: Available in New Zealand only.

Note 19: Available since FP95-114 V4 Issue 2.0.

Note 20: Specify the tenant number assigned with the ACFO/ACFOL/ACFON command.

ARTKN: Assignment of Route Trunk Data for NDM

1. General

As the functions of ALRTN and ATRK commands are combined into this command, it is used to allocate both the Logical Route Number and the Trunk (TK) number at the same time. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command can only be used logging in to NCN.
2. When the Logical Route data is deleted by this command, ATRK data of FPC designated Node is also deleted. When deleting the allocated Logical Route data only, use ALRTN command.
3. To delete the ATRK data is failed, only the deletion of allocated Logical Route is activated.

3. Data Entry Instructions

LGRT: Logical Route Number

LGRT is the unique number allocated to each external trunk route in the FCCS Network.

FPC: Fusion Point Code [1-253]

Assign FPC of each node to which the external trunk route belongs.

RT: Route Number

Assign all external routes in the FCCS Network.

TK: Trunk Number [1-255]

Enter unique trunk number with a range of 1 to 255.

LENS: Line Equipment Numbers

TN: Tenant Number

The TN parameter is appended when the external trunk route number is entered in RT parameter.

4. Data Sheet

[illegible]

ASADL: Assignment of Station's ANP Data for LDM

1. General

This command specifies sound sources for Music On Hold Per Line. The sound sources need to be assigned to each Telephone Number.

Note: This command is available since FP95-114 V4.

2. Precautions

1. Deleting a Telephone Number with the ALGSL command automatically deletes the corresponding data set in this command.
2. Phantom Numbers cannot be assigned to the TELN parameter of this command.

3. Data Entry Instructions

UGN: User Group Number [1-255]

Enter the User Group Number.

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Specify the Telephone Number of the station to associate with Music On Hold Per Line.

ANP: Announcement Pattern [1-255]

Specify a sound source for Music On Hold Per Line.

Note: Do not set this parameter to zero.

1-249: WAVE files 001-249

250: Minuet (built-in)

251-254: (Reserved.)

255: External Input Interface

4. Data Sheet

[illegible]

ASADN: Assignment of Station's ANP Data for NDM

1. General

This command specifies sound sources for Music On Hold Per Line. The sound sources need to be assigned to each Telephone Number.

Note: This command is available since FP95-114 V4.

2. Precautions

1. Deleting a Telephone Number with the ALGSN command automatically deletes the corresponding data set in this command.
2. Phantom Numbers cannot be assigned to the TELN parameter of this command.
3. Data assignment with this command requires login to the Network Control Node (NCN).

3. Data Entry Instructions

UGN: User Group Number [1-255]

Enter the User Group Number.

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Specify the Telephone Number of the station to associate with Music On Hold Per Line.

ANP: Announcement Pattern [1-255]

Specify a sound source for Music On Hold Per Line.

Note: Do not set this parameter to zero.

1-249: WAVE files 001-249

250: Minuet (built-in)

251-254: (Reserved.)

255: External Input Interface

4. Data Sheet

[illegible]

ASAT: Assignment of Specific Attendant Number Data

1. General

This command assigns a specific Attendant Number that allows a station user to access the desired operator.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b3=1), assign TN parameter as data “1” for all tenants.
2. The specific Attendant Number cannot be a station number or LDN already being used.
3. The maximum number of Attendant Consoles should be assigned by the ASYD command, SYS1, Index 9.

3. Data Entry Instructions

TN: Tenant Number

Enter the tenant number that affects the special attendant number.

ACC: Access Code [Maximum five digits]

Enter the special attendant number according to the station numbering plan.

ATN: Attendant Number

Enter the ATN that corresponds to the TK parameter assigned by the ATRK command.

4. Data Sheet

[illegible]

ASATN: Assignment of Specific Attendant Number Data for NDM

1. General

This command assigns a specific Attendant Number that allows a station user to access the desired operator. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The specific attendant number cannot be a station number or LDN already being used.
2. The maximum number of Attendant consoles should be assigned by the ASYD command, SYS1, Index 9.
3. The telephone number for specifying the Attendant Console must be assigned by the ALGNN command prior to this command.

3. Data Entry Instructions

UGN: User Group Number

ACC: Access Code [Maximum 16 digits]

Enter the telephone number for special attendant number assigned by the ALGNN command.

FPC: Fusion Point Code [1-253]

Enter the PC of the node containing the specified Attendant Console.

TN: Tenant Number

Enter the Tenant Number that affects the special number.

ATN: Attendant Number

Enter the ATN that corresponds to the TK parameter for the Attendant Console assigned by the ATRK command.

4. Data Sheet

[illegible]

ASCL: Assignment of Station Class Data

1. General

This command changes the Route Restriction Class (RSC), and Service Feature Restriction Class (SFC), of a station without changing the station number.

2. Precautions

1. The station class data (RSC and SFC) can be changed by the ASCL command, even if the station changed is in busy status (conversation in progress). When the station becomes idle, the new class becomes effective.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
3. The TEC cannot be changed from a Dterm Class (TEC=12) to any other Telephone Class, or vice versa. When it is necessary to change the current TEC to another type of TEC, use the ASDT command to delete the current station data and assign new station data.
4. The RSC corresponds to the ARSC command, and the SFC corresponds to the ASFC command.
5. Update the new class data on the data sheet in the ASDT command.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number

TEC: Telephone Equipment Class [1-31]

1=DP (10 pps)

2=PB

3=DP/PB

4=DP (20 pps)

5-10=Not used

11=VMM/VMM2

12=Dterm

13=Data Terminal via Dterm

14=Hot Line

15=CAS Line

16=Data Terminal via Data Module

17=Not used

18=Virtual Line Appearance (for Dterm Multi-Line)

19=TMM

20=PSM

21=ACD (MIS)

22=EMM

23=ISDN Terminal

24-25=Not used

26=VPS

27=8 Conference Equipment

28=PS

29-31=Not used

RSC: Route Restriction Class [0-15]

Enter RSC referring to the ARSC command.

SFC: Service Feature Restriction Class [0-15]

Enter SFC referring to the ASFC command.

ASCL_T: Assignment of Station Class Data – Telephone Number

1. General

This command is used to change the Route Restriction Class (RSC), and Service Feature Restriction Class (SFC), without changing the station number. The station data of ASCL command can be assigned by using Telephone Number.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. If logging into a Local Node (LN), only the Telephone numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging into the NCN, data memory of any node in the network can be written.
3. The station class data (TEC, RSC and SFC) can be changed by ASCL_N command, even if the station changed is in busy status (conversation is in progress). When the station becomes idle, the new class data becomes effective.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
5. The TEC cannot be changed from a Dterm Class (TEC=12) to any other Telephone Class, and vice versa. When it is necessary to change the current TEC to another type of TEC, use the ASDT command to delete the current station data and assign new station data.
6. The RSC corresponds to the ARSC command, and the SFC corresponds to the ASFC command.
7. Update the new class data on the data sheet in the ASDT command.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the station whose station class data is to be changed.

Note: The existing data can be read out by pressing the GET button after UGN and TELN is entered.

TEC: Telephone Equipment Class [1-31]

1=DP (10 pps)

2=PB

3=DP/PB

4=DP (20 pps)

5-10=Not used

11=VMM/VMM2

12=Dterm
13=Data Terminal via Dterm
14=Hot Line
15=CAS Line
16=Data Terminal via Data Module
17=Not used
18=Virtual Line Appearance (for Dterm Multi-Line)
19=TMM
20=PSM
21=ACD (MIS)
22=EMM
23=ISDN Terminal
24-25=Not used
26=VPS
27=8 Conference Equipment
28=PS
29-31=Not used

RSC: Route Restriction Class[0-15]

Enter the Route Restriction Class referring to the ARSC command.

SFC: Service Feature Restriction Class [0-15]

Enter the Service Feature Restriction Class referring to the ASFC command.

4. Data Sheet

[illegible]

ASCS_T: Assignment of Station Number in Call Park Group / Call Receiving & Transfer - Telephone Number

1. General

This command assigns/deletes the call park deluxe group number corresponding to the tenant number and station number of each station.

This command can be used by using a Telephone Number.

2. Precautions

1. When deleting the station number, be sure to delete the data assigned by this command in advance.

3. Data Entry Instructions

UGN: User Group Number [1-255]

Assign the user group number.

TELN: Telephone Number (Maximum 16 digits)

Enter telephone number of the station which group number is registered or deleted.

FPC: Fusion Point Code Note 1

TN: Tenant Number Note 1

Assign the tenant number of the station to answer the held call using call park feature.

STN: Station Number Note 1

Assign the station number to answer the held call using call park feature.

GPN: Group Number [1-4095]

Assign the call park group number.

Note 1: The existing data can be read out by pressing the GET button after UGN and TELN is entered.

ASDC: Assignment of Six Digit Least Cost Routing Data

1. General

This command is necessary when LCR six digit translation is required for FX Prefix Codes, MCI, SPRINT and other applications. This command assigns, deletes, and displays this information.

2. Precautions

1. Before using this command, the following must be confirmed:
 - An Outgoing Route Selection Pattern Number (OPR) has been assigned in the Assignment of Flexible Route Selection (AFRS) command.
 - Outgoing Pattern Routing Data has been assigned in the AOPR command.
2. When the Translation Pattern is for an FX Line, designate the KIND parameter as PFX.
3. When the Translation Pattern is for a Special Common Carrier (MCI, SPRINT, etc.), designate the KIND parameter as SCC.
4. When the route used is changed according to the time of day, a Time of Day Change Pattern Number (TDPTN) from “1-7” is assigned, in accordance with the ATCP command.
5. When assigning data to the EFFECT parameter, the following must be noted:
 - (a) When the KIND parameter is assigned PFX, “0/1” assigned to the EFFECT parameter has the following meaning:

EFFECT=0: means that an additional digit is not required for access to an FX Line.

EFFECT=1: means that the digit “1” is required as a prefix for access to an FX Line.
 - (b) When KIND parameter is assigned SCC, “0/1” assigned to parameter EFFECT has the following meaning:

EFFECT=0: means that the office code is not allowed for the area code dialed.

EFFECT=1: means that the office code is allowed for the area code dialed.
6. When the EFFECT parameter is “2,” six-digit translation is not required for the area code designated.
7. When deleting the AOPR command, this also deletes the ASDC table using the OPR pattern.

3. Data Entry Instructions

KIND: Kind of Selection [PFX/SCC]

PFX= FX or PREFIX

SCC=Special Common Carrier (MCI, Spring)

TDPTN: Time of Day Change Pattern Number [0-7]

Enter data “1-7” if TDPTN/PTN is assigned by the ATPC/ACMO command, otherwise “0”. Different TDPTN data can be assigned to a single OPR.

OPR: Outgoing Route Selection Pattern Number [0-4000]

Enter the OPR assigned by the AFRS command.

RA: Route Advancing Order [0-7]

Enter RA as the route advancing order.

OFLG: Office Code Flag [INPUT/ALL]

The details of this parameter are shown below:

INPUT=Input office code can be assigned.

ALL=All office code can be assigned.

OFFICE: Office Code [200-999]

Enter the office code.

Note: This parameter is available for OFLG = INPUT.

READ EFFECT/EFFECT: Designating Data [0-2]

Display or enter the data (EFFECT) in the space of the corresponding office code. The meaning of data varies depending on the KIND parameter.

- When parameter KIND is assigned as PFX:
 - 0=an additional digit is not required for access to an FX Line **Note 1**
 - 1=the digit “1” is required as a prefix for access to an FX Line
 - 2=the digit “1” is required as a prefix for access to an FX Line (display only)

- When parameter KIND is assigned as SCC:
 - 0=the office code is not allowed for the area code dialed **Note 2**
 - 1=the office code is allowed for the area code dialed
 - 2=the office code is allowed for the area code dialed (display only)

Note 1: When OFLG = ALL is selected, **an additional digit data is cleared for access to an FX Line** is displayed.

Note 2: When OFLG = ALL is selected, **the office code data is cleared for the area code dialed** is displayed.

4. Data Sheet

KIND OF SELECTION (KIND) PFX/SCC	TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE		OFFICE CODE FLAG (OFLG) INPUT/ALL
		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANCING ORDER (RA) 0 – 7	
OFFICE CODE (OFFICE) 200 – 999				
NX X 0 1 2 3 4 5 6 7 8 9	NX X 0 1 2 3 4 5 6 7 8 9			
20X				
22X				
24X				
26X				
28X				
30X				
32X				
34X				
36X				
38X				
40X				
42X				
44X				
46X				
48X				
50X				
52X				
54X				
56X				
58X				
60X				
62X				
64X				
66X				
68X				
70X				
72X				
74X				
76X				
78X				

KIND OF SELECTION (KIND) PFX/SCC	TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE		OFFICE CODE FLAG (OFLG) INPUT/ALL																	
		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANCING ORDER (RA) 0 – 7																		
OFFICE CODE (OFFICE) 200 – 999																					
NX \ X	0	1	2	3	4	5	6	7	8	9	NX \ X	0	1	2	3	4	5	6	7	8	9
80X											81X										
82X											83X										
84X											85X										
86X											87X										
88X											89X										
90X											91X										
92X											93X										
94X											95X										
96X											97X										
98X											99X										

Note: Designating Data (EFFECT) is assigned in the column of the corresponding office code. When Designating Data is not assigned, the data is “0.”

ASDCL: Assignment of Six Digit Least Cost Routing Data for LDM

1. General

This command is necessary when LCR six digit translation is required for FX Prefix Codes, MCI, SPRINT and other applications. This command assigns, deletes, and displays this information. This data is written in Local Data Memory (LDM).

2. Precautions

1. Before using this command, the following must be confirmed:
 - An Outgoing Route Selection Pattern Number (OPR) has been assigned in the Assignment of Flexible Route Selection (AFRSL) command.
 - Outgoing Pattern Routing Data has been assigned in the AOPRL command.
2. When the Translation Pattern is for an FX Line, designate the KIND parameter as PFX.
3. When the Translation Pattern is for a Special Common Carrier (MCI, SPRINT, etc.), designate the KIND parameter as SCC.
4. When the route used is changed according to the time of day, a Time of Day Change Pattern Number (TDPTN) from “1-7” is assigned, in accordance with the ATPC command.
5. When assigning data to the EFFECT parameter, the following must be noted:
 - (a) When the KIND parameter is assigned PFX, “0/1” assigned to the EFFECT parameter has the following meaning:

EFFECT=0: means that an additional digit is not required for access to an FX Line.

EFFECT=1: means that the digit “1” is required as a prefix for access to an FX Line.
 - (b) When KIND parameter is assigned SCC, “0/1” assigned to parameter EFFECT has the following meaning:

EFFECT=0: means that the office code is not allowed for the area code dialed.

EFFECT=1: means that the office code is allowed for the area code dialed.
6. When the EFFECT parameter is “2,” six-digit translation is not required for the area code designated.
7. When deleting the AOPRL command, this also deletes the ASDCL table using the OPR pattern.

3. Data Entry Instructions

KIND: Kind of Selection [PFX/SCC]

PFX=FX or Prefix

SCC=Special Common Carrier (MCI, Spring)

TDPTN: Time of Day Change Pattern Number [0-7]

Enter data “1-7” if TDPTN/PTN is assigned by the ATP/ACMO command, otherwise “0”. Different TDPTN data can be assigned to a single OPR.

OPR: Outgoing Route Selection Pattern Number [0-4000]

Enter the OPR assigned by the AFRSL command.

RA: Route Advancing Order [0-7]

Enter RA as the route advancing order.

OFLG: Office Code Flag [INPUT/ALL]

The details of this parameter are shown below:

INPUT=Input office code can be assigned.

ALL=All office code can be assigned.

OFFICE: Office Code [200-999]

Enter the office code.

Note: This parameter is available for OFLG = INPUT.

READ EFFECT/EFFECT: Designating Data

Display or enter the data (EFFECT) in the space of the corresponding office code. The meaning of data varies depending on the KIND parameter.

- When parameter KIND is assigned as PFX:
 - 0=an additional digit is not required for access to an FX line **Note 1**
 - 1=the digit “1” is required as a prefix for access to an FX line
 - 2=the digit “1” is required as a prefix for access to an FX line (display only)

- When parameter KIND is assigned as SCC:
 - 0=the office code is not allowed for the area code dialed **Note 2**
 - 1=the office code is allowed for the area code dialed
 - 2=the office code is allowed for the area code dialed (display only)

Note 1: When OFLG = ALL is selected, **an additional digit data is cleared for access to an FX Line** is displayed.

Note 2: When OFLG = ALL is selected, **the office code data is cleared for the area code dialed** is displayed.

4. Data Sheet

KIND OF SELECTION (KIND) PFX/SCC	TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE		OFFICE CODE FLAG (OFLG) INPUT/ALL
		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANCING ORDER (RA) 0 – 7	
OFFICE CODE (OFFICE) 200 – 999				
NX X 0 1 2 3 4 5 6 7 8 9	NX X 0 1 2 3 4 5 6 7 8 9			
20X				21X
22X				23X
24X				25X
26X				27X
28X				29X
30X				31X
32X				33X
34X				35X
36X				37X
38X				39X
40X				41X
42X				43X
44X				45X
46X				47X
48X				49X
50X				51X
52X				53X
54X				55X
56X				57X
58X				59X
60X				61X
62X				63X
64X				65X
66X				67X
68X				69X
70X				71X
72X				73X
74X				75X
76X				77X
78X				79X

KIND OF SELECTION (KIND) PFX/SCC	TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE		OFFICE CODE FLAG (OFLG) INPUT/ALL																	
		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANCING ORDER (RA) 0 – 7																		
OFFICE CODE (OFFICE) 200 – 999																					
NX \ X	0	1	2	3	4	5	6	7	8	9	NX \ X	0	1	2	3	4	5	6	7	8	9
80X											81X										
82X											83X										
84X											85X										
86X											87X										
88X											89X										
90X											91X										
92X											93X										
94X											95X										
96X											97X										
98X											99X										

Note: Designating Data (EFFECT) is assigned in the column of the corresponding office code. When Designating Data is not assigned, the data is “0.”

ASDCN: Assignment of Six Digit Least Cost Routing Data for NDM

1. General

This command is necessary when LCR six digit translation is required for FX Prefix Codes, MCI, SPRINT and other applications. This command assigns, deletes, and displays this information. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Before using this command, the following must be confirmed:
 - An Outgoing Route Selection Pattern Number (OPR) has been assigned in the Assignment of Flexible Route Selection (AFRSN) command.
 - Outgoing Pattern Routing Data has been assigned in the AOPRN command.
2. When the Translation Pattern is for an FX Line, designate the KIND parameter as PFX.
3. When the Translation Pattern is for a Special Common Carrier (MCI, SPRINT, etc.), designate the KIND parameter as SCC.
4. When the route used is changed according to the time of day, a Time of Day Change Pattern Number (TDPTN) from “1-7” is assigned, in accordance with the ATCP command.
5. When assigning data to the EFFECT parameter, the following must be noted:
 - (a) When the KIND parameter is assigned PFX, “0/1” assigned to the EFFECT parameter has the following meaning:

EFFECT=0: means that an additional digit is not required for access to an FX Line.

EFFECT=1: means that the digit “1” is required as a prefix for access to an FX Line.
 - (b) When KIND parameter is assigned SCC, 0/1 assigned to parameter EFFECT has the following meaning:

EFFECT=0: means that the office code is not allowed for the area code dialed.

EFFECT=1: means that the office code is allowed for the area code dialed.
6. When the EFFECT parameter is “2,” six-digit translation is not required for the area code designated.
7. When deleting the AOPRN command, this also deletes the ASDCN table using the OPR pattern.

3. Data Entry Instructions

KIND: Kind of Selection [PFX/SCC]

PFX=FX or Prefix

SCC=Special Common Carrier (MCI, Sprint)

TDPTN: Time of Day Change Pattern Number [0-7]

Enter data “1-7” if TDPTN/PTN is assigned by the ATPC/ACMO command, otherwise “0”. Different TDPTN data can be assigned to a single OPR.

OPR: Outgoing Route Selection Pattern Number [0-4000]

Enter the OPR assigned by the AFRSN command.

RA: Route Advancing Order [0-7]

Enter RA as the route advancing order.

OFLG: Office Code Flag [INPUT/ALL]

The details of this parameter are shown below:

INPUT=Input office code can be assigned.

ALL=All office code can be assigned.

OFFICE: Office Code [200-999]

Enter the office code.

Note: This parameter is available for OFLG = INPUT.

READ EFFECT/EFFECT: Designating Data

Display or enter the data (EFFECT) in the space of the corresponding office code. The meaning of data varies depending on the KIND parameter.

- When parameter KIND is assigned as PFX:
 - 0=an additional digit is not required for access to an FX line **Note 1**
 - 1=the digit “1” is required as a prefix for access to an FX line
 - 2=the digit “1” is required as a prefix for access to an FX line (display only)

- When parameter KIND is assigned as SCC:
 - 0=the office code is not allowed for the area code dialed **Note 2**
 - 1=the office code is allowed for the area code dialed
 - 2=the office code is allowed for the area code dialed (display only)

Note 1: When OFLG = ALL is selected, **an additional digit data is cleared for access to an FX Line** is displayed.

Note 2: When OFLG = ALL is selected, **the office code data is cleared for the area code dialed** is displayed.

4. Data Sheet

KIND OF SELECTION (KIND) PFX/SCC	TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE										OFFICE CODE FLAG (OFLG) INPUT/ALL											
		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000					ROUTE ADVANCING ORDER (RA) 0 – 7																
OFFICE CODE (OFFICE) 200 – 999																							
NX	X	0	1	2	3	4	5	6	7	8	9	NX	X	0	1	2	3	4	5	6	7	8	9
20X												21X											
22X												23X											
24X												25X											
26X												27X											
28X												29X											
30X												31X											
32X												33X											
34X												35X											
36X												37X											
38X												39X											
40X												41X											
42X												43X											
44X												45X											
46X												47X											
48X												49X											
50X												51X											
52X												53X											
54X												55X											
56X												57X											
58X												59X											
60X												61X											
62X												63X											
64X												65X											
66X												67X											
68X												69X											
70X												71X											
72X												73X											
74X												75X											
76X												77X											
78X												79X											

KIND OF SELECTION (KIND) PFX/SCC	TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	OUTGOING ROUTE		OFFICE CODE FLAG (OFLG) INPUT/ALL																	
		OUTGOING ROUTE SELECTION PATTERN NUMBER (OPR) 0 – 4000	ROUTE ADVANCING ORDER (RA) 0 – 7																		
OFFICE CODE (OFFICE) 200 – 999																					
NX \ X	0	1	2	3	4	5	6	7	8	9	NX \ X	0	1	2	3	4	5	6	7	8	9
80X											81X										
82X											83X										
84X											85X										
86X											87X										
88X											89X										
90X											91X										
92X											93X										
94X											95X										
96X											97X										
98X											99X										

Note: Designating Data (EFFECT) is assigned in the column of the corresponding office code. When Designating Data is not assigned, the data is “0.”

ASDIL: Assignment of SIP Domain Name Index Data for LDM

1. General

This command assigns and deletes the domain name for SIP service. Note that one SP can control multiple domains but one domain cannot be controlled by multiple SP. Use ASDIL for stand-alone system or ASDIN in the FCCS network.

2. Precautions

1. IP address and port number of the SIP Presence Server are set per domain name. Also, one Presence Server can be specified by multiple domain names. In this case, SIP Presence Server must support multiple domain names.
2. One domain name cannot be shared among multiple domain names.

3. Data Entry Instructions

INDEX: Domain Name Index [1-1020]

Enter a desired INDEX

SIP SERVER ID:

Enter a desired SP ID.

Note: This parameter displays the SP ID assigned by ASSDL.

DOMAIN NAME: Domain Name [A Maximum of 128 Digits (including "." and "-").]

Enter a desired domain name. The number of domain name is up to 1020.

PRESENCE SERVER IP ADDRESS:

Enter IP address of SIP Presence Server.

PRESENCE SERVER PORT NUMBER:

Enter port number for SIP Presence Server in the range from 1024 to 65534.

4. Data Sheet

[illegible]

ASDIN: Assignment of SIP Domain Name Index Data for NDM

1. General

This command assigns and deletes the domain name for SIP service. Note that one SP can control multiple domains but one domain cannot be controlled by multiple SP. Use ASDIL for stand-alone system or ASDIN in the FCCS network.

2. Precautions

1. IP address and port number of the SIP Presence Server are set per domain name. Also, one Presence Server can be specified by multiple domain names. In this case, SIP Presence Server must support multiple domain names.
2. One domain name cannot be shared among multiple domain names.

3. Data Entry Instructions

INDEX: Domain Name Index [1-1020]

Enter a desired INDEX

SIP SERVER ID:

Enter a desired SP ID.

Note: This parameter displays the SP ID assigned by ASSDN.

DOMAIN NAME: Domain Name [One-byte alphanumeric format up to 128 Digits including "." and "-".]

Enter a desired domain name. The number of domain name is up to 1020.

PRESENCE SERVER IP ADDRESS:

Enter IP address of SIP Presence Server.

PRESENCE SERVER PORT NUMBER:

Enter port number for SIP Presence Server in the range from 1024 to 65534.

4. Data Sheet

[illegible]

ASDT: Assignment of Station Data

1. General

This command assigns/deletes the physical station data.

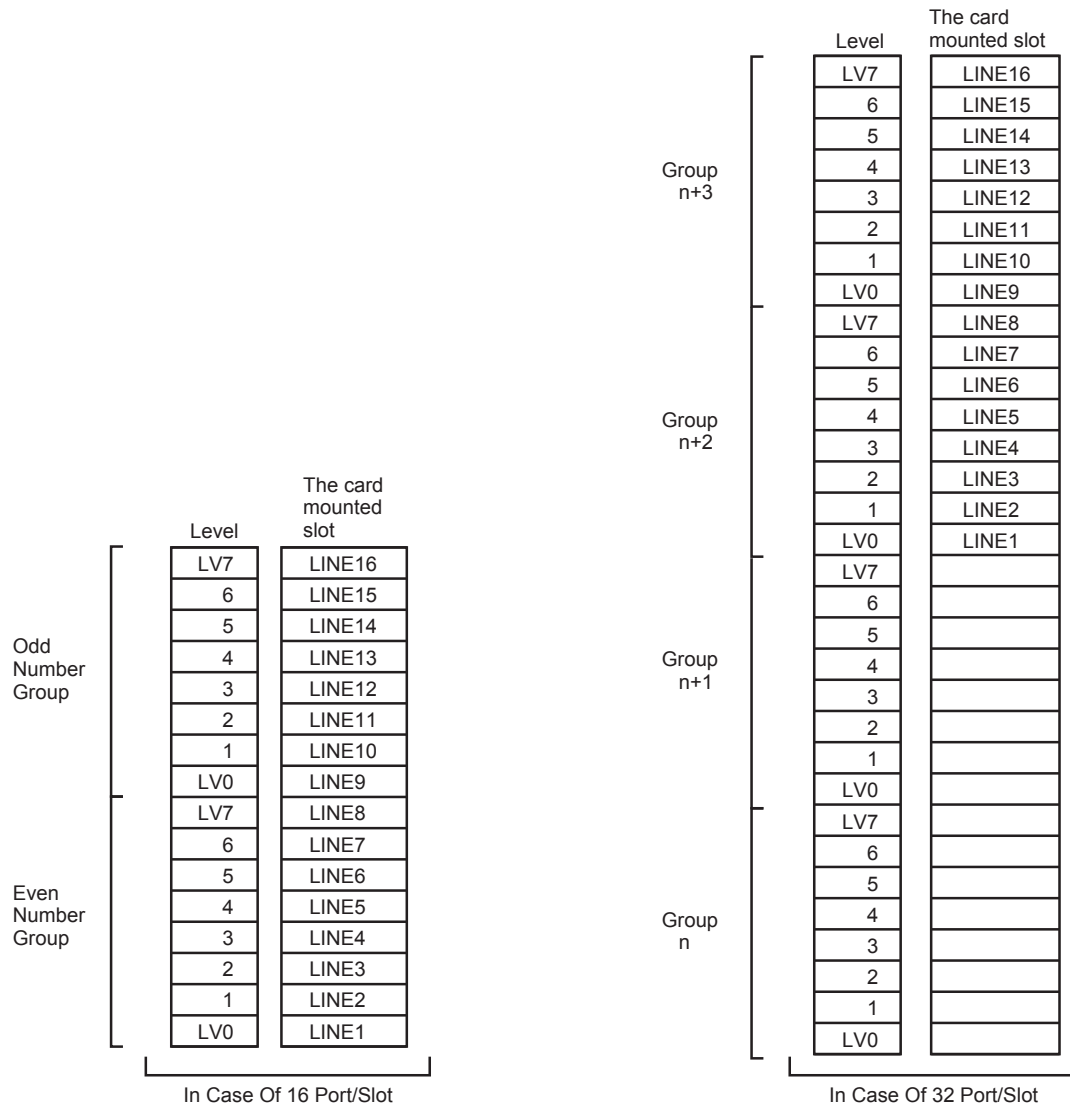
2. Precautions

1. This command is used for Business application. The AAST/AGST commands are used for Hotel application.
2. The ASTN command may be used to change the station number.
3. The ASCL command may be used to change the Class (TEC, RSC, and/or SFC) of the station.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
5. The number of station number (STN) digits is designated by the ASYD command, SYS1, Index 16.
6. The first digit of the station number (STN) is designated by the ANPD command.
7. The RSC and SFC parameter works in conjunction with the ARSC and ASFC commands respectively.
8. An example of the LENS allocation is shown in Figure "LENS".
9. List-up of Station Data (LSDT) command is used to print out the station data. At this time, Executive Tenant Number (ETN) data is also printed out.

While some commands share the common TN in office data, others develop separate TN table respectively. If adapting common TN for all the commands, the TN actually assigned by the ASDT command is to be executed.

10. Data assigned in ASID command must be deleted before deleting data in ASDT. The LSID command should be ran to determine if any data is assigned in ASID before deleting data in ASDT.
11. Programming of Station and Virtual assignment are not available if the hardware of the PIR is not mounted.

LENS



Note: When assigning a Desktop terminal, TEC parameters should be as follows:

16ELC MODE		8DLC MODE	
LINE	TEC	LINE	TEC
1 - 16	12 (Voice)	1 - 4	12 (Voice)
		5 - 8	13 (Data)
		9 - 12	12 (Voice)
		13 - 16	13 (Data)

3. Data Entry Instructions

TN: Tenant Number

The applicable TN is designated by the ASYD command, SYS1, Index 8.

STN: Station number

Enter the station number with regard to the following:

The number of station number (STN) digits is designated by the ASYD command, SYS1, Index 16.

LENS: Line Equipment Numbers

Enter the LENS of the circuit card. Refer to Figure "LENS".

TEC: Telephone Equipment Class [1-31]

1=DP (10 pps)

2=PB

3=DP/PB

4=DP (20 pps)

5-10=Not used

11=VMM/VMM2

12=Dterm

13=Data Terminal via Dterm

14=Hot Line

15=CAS Line

16=Data Terminal via Data Module

17=Not used

18=Virtual Line Appearance (for Dterm Multi-Line)

19=TMM

20=PSM

21=ACD (MIS)

22=EMM

23=ISDN Terminal

24-25=Not used

26=VPS

27=8 Conference Equipment

28=PS

29-31=Not used

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC command. Since RSC=0 is preserved for ATTCON, a station can use the RSC range of 1 to 15.

SFC: Service Feature Restriction Class [0-15]

Enter the SFC defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC range of 1 to 15.

4. Data Sheet

[illegible]

ASFC: Assignment of Service Feature Restriction Class

1. General

This command assigns the Service Feature Restriction Class (SFC) for the Service Feature Index (SFI).

2. Precautions

1. Table "SFI" provides the service feature name that corresponds to the SFI. Since the service feature indicated "-" in the table may not always be "Not used" index, do not enter RES=1 for "-" for the indicated SFI to prevent unexpected service feature effects.
2. Data can be entered on a Day/Night basis if specified in ASYD command, SYS1, Index 75, b1=1.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b0=1), assign the TN parameter as data "1" for all tenants.
4. The displayed Service Feature Restriction Class (SFC) corresponds to the one assigned by the ASDT command.
5. The Restriction Data (RES) is entered in the text box where RSC and RRI cross.
6. Assign each SFI data by ASFCN command when the identical SFI data is necessary for all nodes in the network. Prior to ASFCN command, NDM block must be assigned at SYS1, Index 514 in ASYDL.
7. SFIs required to note restriction data assignment:
 - SFI=7 Call Forwarding-All Calls
When a destination of Call Forwarding-All Calls has already been assigned even if the feature is restricted by the new office data or changing of Day/Night mode, the assigned data can still be used or canceled.
 - SFI=9 Call Forwarding-Busy Line
When a destination of Call Forwarding-Busy Line has already been assigned even if the feature is restricted by the new office data or changing of Day/Night mode, the assigned data can still be used or canceled.

3. Data Entry Instructions

D/N: Day/Night Mode [D/N]

D=Day mode

N=Night mode

TN: Tenant Number

SFI: Service Feature Index [1-1023] **Note 1**

Enter the SFI. Refer to Table "SFI".

Note 1: The system data assignment (ASYDL, SYS1, Index 513, b0~b1) is needed to use SFI:256~1023.

SFC: Service Feature Restriction Class [0-15]

RES: Restriction Data [0/1]

Restriction Data is assigned in the columns where SFI and SFC cross. When unassigned, Restriction Data corresponding SFI recognized "0" (Restriction status).

0=Restricted

1=Allowed

SFI

SFI	SERVICE FEATURE
1	Outgoing Trunk Queuing
2	Call Back
3	Executive Right-of-Way (Calling)
4	Executive Right-of-Way (Called)
5	Call Waiting-Originating (Calling)
6	Call Waiting-Originating (Called)
7	Call Forwarding-All Calls
8	Call Forwarding-Don't Answer
9	Call Forwarding-Busy Line
10	Call Hold
11	Data Line Privacy/Attendant Camp On (Data Line Security; 0 = Privacy / 1 = Camp On)
12	Speed Calling System
13	Trunk Answer (TAS)
14	System Message Detail Recording (SMDR) - Trunk Basis
15	-
16	Line Load Control
17-18	-
19	Individual Speed Calling (Speed Calling - Station/Group)
20	Collect Call Blocking (for Asia, Brazil, Middle East, and Russia) Note: In the case of ISDN incoming call, Release Complete (RELCOM) signal is sent as Collect Call Blocking signal.
21	Off-Hook OG Queuing
22	-
23	Voice Mail Password Display Elimination
24	Emergency Call
25	Call Forward Outside - Local (0 = Restricted, 1 = Allowed)
26	Call Forward Outside - Long Distance (0 = Restricted, 1 = Allowed)
27	Account Codes/Authorization Codes/Forced Account Codes
28	-
29	Direct Call Pickup
30	Off-Hook Alarm
31	SID to Terminating user DTE
32	Line Circuit Reverse Relay Control (for 16LC)
33	Periodic Time Indication Tone
34	Trunk Answer from Any Station (TAS)
35	Exclusive Hold/Non-Exclusive Hold
36	Special Common Battery Station / Brokerage Hot Line (Dterm)
37	Radio Paging Answer
38	Meet-Me Paging
39	Individual Trunk Access
40	-
41	Timed Reminder (for Business System)/Automatic Wake Up (for Hotel System)
42	Group Announcement (for Hotel System)
43	Maid Dial (for Hotel System)
44	Last Number Call Redial

SFI

SFI	SERVICE FEATURE
45	Special Administration Station (for Hotel System)
46	Bad Call Notify (Faulty Trunk Report)
47	Guest Information Display Terminal (for Hotel System)
48	Disable Distinctive Ringing for analog ports (0/1:No/Yes)/Bearer service (0/1:Speech/3.1 kHz Audio)
49	Operator Monitoring (for Hotel system in Asia, Australia, Latin America, Middle East, and Russia)
50	Off-Premise Extension (Long Line Telephone - No Howler, No PAD Control)
51	Boss-Secretary Features
52	Voice Call using an Access Code
53	Message Reminder using an Access Code
54	Priority Call 1
55	Priority Call 2
56	Priority Call 3
57	Priority Paging
58	Station-to-Station Station Message Detail Recording (SMDR) Call
59	MFC No Charge for IC Call (for Asia, Australia, Latin America, Middle East, and Russia)
60	MFC Called Party Release for IC Call (for Asia, Australia, Latin America, Middle East, and Russia)
61	-
62	Priority Outgoing Queue
63	Outgoing Queue Override
64-66	-
67	Call Park-Access and Answer
68	Call Park-Called
69	Automatic Message Waiting Lamp Off (for Hotel System)
70	Intercom Group
71	Distinctive Dial Tone
72	Called Station Switch Hook Flash Restriction
73	-
74	Message Waiting Lamp Setting from the ATT or Station (Called)
75	Call Hold Conference
76	Trunk Override Inhibit
77	Trunk Override
78	Station Barge in From a Tie Line
79	Hold on Queuing From a Tie Line
80	8-Party Conference Terminal
81	Recording for an Internal Call
82	Message Waiting Lamp Setting from the Station (Calling)
83-86	-
87	Multi Channel Recording <REC>
88-89	-
90	Multi Channel Recording <REPLAY>
91	Subscriber with Priority / without Priority (for Brazil only) Data Transmission/Subscriber without Priority (Normal setting)
92	Category of Attendant (for Asia, Australia, Latin America, Middle East, and Russia)
93	Voice Call Restrict (0 = No/1 = Yes)
94	Calling Party's Number Display Reject to ISDN Line
95	Direct IC Call Restriction (for ACD only)
96	-
97	Send facility Message Requesting SID Information

SFI

SFI	SERVICE FEATURE
98	Send facility Message Requesting ANI Information
99	Call Forward I'm Here (Destination)
100	Call Forward I'm Here (Origination)
101-102	-
103	Assignment of No Answer Timer for Blind Transfer to Station/Blind Transfer to Attendant Note 8
104	Processing when the transferred station does not answer for a predetermined period of time in Blind Transfer 0 = Transferred station continuously rings Note 3, Note 4 1 = The transferred call is forwarded when Call Forwarding-Don't Answer is assigned at the transferred station and no-answer timer expires
105-106	-
107	Slumber Time Override
108	Transfer ISDN Incoming Call to Attendant
109	Advice of Charge Supplementary Service for ISDN
110	-
111	Call Forwarding - Toll Restriction (for Asia, Australia, Latin America, Middle East, and Russia)
112	Voice Call during Dial Intercom
113	-
114	Display on Dterm when a station is in DND (0/1 = RST/DND)
115-119	-
120	ETSI - ISDN Malicious Call Trace (MCT) (for Australia only)
121	-
122	Call Forward with ATT Camp-On
123-124	-
125	PAD Lock
126-127	-
128	Call Forwarding - Busy Line Override
129	Call Forwarding - Don't Answer while Call Waiting (for North America only)
130	ATT Transfer while Call Waiting in case Call Forwarding Don't Answer - Busy (for North America only)
131	Add on Conference - 8 Party
132	Call Termination to Non-ACD Line while conversation using ACD Line or Multi-Line
133	-
134	Internal Zone Page Calling
135	-
136	Automatic Idle Return
137	Authorization Code Display Elimination
138	Consultation Hold Enhancement
139	-
140	Send Warning Tone to interrupted parties when Three-Way-Calling is established using Consultation Hold Enhancement
141	-
142	Message Waiting - Special Dial Tone (for Asia, Australia, Latin America, Middle East, and Russia)
143	ID Number Entry for Manual Roaming
144	-
145	Internal Zone Page Answer
146	Analog Caller ID-Station
147	Call Forwarding - PS Incoming Incomplete

SFI

SFI	SERVICE FEATURE
148	Personal Ringer
149	Remove Display of AOC on Dterm
150	-
151	When CF-OUT SIDE is performed, Route Restriction Class of the station that has set CF-OUT SIDE is used
152	-
153	Analog Caller ID-Station (Single Mode)
154	ID Number Entry for PAD Lock (for Asia, Australia, Latin America, Middle East, and Russia)
155	Call Return
156	Call Forwarding - Override Indication (for Asia, Australia, Latin America, Middle East, and Russia)
157	PS Location Information Display
158	Privacy Release
159	Category of Attendant (for Asia, Australia, Latin America, Middle East, and Russia) Note 2
160-161	-
162	PS no-tone/no-vibration Call
163	ANI demand per station (Kuwait only)
164	-
165	Call Block
166-167	-
168	Analog Caller ID - Station by Modem Sender
169	-
170	Call Trace
171	-
172	Calling Party CLIR/CLIP Control
173	-
174	Camp On by Station
175	Advice of Charge Supplementary Service in Q-SIG Network
176-178	-
179	Self station number display elimination on the counter station Note 5
180	Counter station number display elimination on the self station Note 6
181	No Hunting to next station in group
182	-
183	Selectable Station Call Pickup
184-185	-
186	IP Enabled Dterm Login
187	-
188	Call Waiting Caller ID
189	Anonymous Call Block (North America only)
190	Distinctive Ringing for Toll Calls (North America only)
191	Distinctive Ringing List (North America only)
192	Anonymous Call Block/Individual Call Block (North America only)
193	Phantom Number Distinctive Ringing-Single Line (North America only)
194	Expanded Analog Caller ID Station
195	PS Location Information Display - PS/Dterm (Terminal to display)
196	PS Location Information Display - PS/Dterm (PS to be displayed)
197	Expanded Speed Calling
198	Call Forwarding-Logout
199	Preclude from Bandwidth Restriction
200	-

SFI

SFI	SERVICE FEATURE
201	Message Audible Alert (North America only)
202	Name Display Follow on Call Forwarding (North America only)
203	Off-Hook Alarm for Inter-digit Timeout (North America only)
204	-
205	Pooled Station on Secondary MGC
206	PS Location Information Display -PS/Dterm over Dual Station Call
207-208	-
209	Priority of Call Forwarding-All Calls over Call Forwarding-Logout
210	Telephone Call Participating Function 0 = Invalid 1 = Valid
211	-
212	Software Multiple My Line Appearance
213	MA-ID Setting
214	Day/Night Mode Status-Dterm
215	Internal Zone Page Calling to originate Multi-Internal Zone Paging (North America only)
216-217	-
218	BLF over FCCS
219	Station-to-Station SMDR via IP
220	Call Park Deluxe Entry/Retrieve
221	Stop the hold music during 8/16/32-Party Conference call
222	8-Party Conference Billing Enhancement
223	Malicious Call Trace by hooking on analog telephone
224	Change of Multi-time zone
225	DTMF tone Playback 0=Disables the playback of DTMF tone. 1=Enables the playback of DTMF tone.
226	Forced Disconnect Trunk Feature 0=Out of service 1=In service Note: Available in North America and Asia.
227	Restriction on the connection of PPN/Pilot number (ACD)
228	Restriction on the connection of Monitor (ACD)
229	-
230	Allow/Restrict Connected Line Number Addressing for ETSI ISDN incoming call
231	International Prefix Display for ETSI ISDN incoming call
232	National Prefix Display for ETSI ISDN incoming call
233	Display Responded terminal number/Pilot number for ETSI ISDN incoming call
234	Mobility Access
235	My Line Designator (North America only)
236	Call Back-Out of Zone (for Mobility Access Station)
237	IP Dterm Override 0 = Permit 1 = Inhibit
238	Call History Note 9
239	ETSI Caller ID

SFI

SFI	SERVICE FEATURE
240	Change of the priority for MA Call Forwarding 0=Logged Out IP Station - Call Destination & Call Forwarding > MA Call Forwarding 1=MA Call Forwarding > Logged Out IP Station - Call Destination & Call Forwarding
241	-
242	CLI Suppression-CCIS
243	User Authentication for Call Forwarding - I'm Here
244	Day/Night Mode Status-Dterm for SR-MGC only
245	Local Phone book
246	System Phone book
247	Terminal Phone book
248	Terminal Call History
249	-
250	Assisted Conference (North America only.)
251	Assist Conference without station line appearance/Assisted Conference only with station line appearance (North America only.)
252	Multi-Boss/Multi-Secretary
253	-
254	Hold Fixation Mode
255-257	-
258	Group Listening
259	DT710 DESI-Less Terminal Control (The terminal display is switched to Home display by pressing a Feature key)
260	Recovery Node for SR-MGC
261	Maximum Necessary Digits / Route Selection for using Virtual Line 0=MA-ID of My Line 1=MA-ID of Virtual Line
262	-
263	Ring Volume in Headset Mode
264	DESI-Less Display - One Page Mode Note 10, Note 11
265	-
266	Subline Call History Note 7
267	Subline Call History - Answer Note 7
268-1023	-

Note 2: Only the outgoing call from ATTCN to MFC line is used to send out G-II signal with the combination of SFIs as follows:

SFI88
SFI89
SFI91
SFI92
SFI159

} Category of Attendant

- Attendant Console without a held station/trunk
- Attendant Console with held station
- Attendant Console with held trunk
- Individual Trunk Access from Attendant Console

For detailed explanations, refer to Data Programming Manual - MFC.

- Note 3:** In ACD system, when Blind Transfer is used on an ACD line to a non-ACD line, ASFC SFI 104 = 0 (Transferred station continuously rings) must be assigned. The transferred station means a non-ACD line (My Line of the ACD Agent Position) or a business station.
- Note 4:** The following system data setting is necessary. ASYD, SYS1, Index 69, Bit 0=1 (according to the settings of ASFC SFI 104)
- Note 5:** This data is valid when SFI 180=1 is set to the counter station.
- Note 6:** This data is valid when SFI 179=1 is set to the counter station.
- Note 7:** Available from FP95-114 V4 Issue 4.0.
- Note 8:** The time set for a Station with ASYDL/ASYDN, SYS1, Index 1396 (no answer timer for the transfer of unanswered calls in a Hunt Group) will be given priority.
- Note 9:** This SFI specifically refers to System Call History inside of CALL HISTORY [C-195].
- Note 10:** DESI-Less Display indicates Line/Feature key information display area.
- Note 11:** Available from FP95-115 V5.

4. Data Sheet

[illegible]

ASFCN: Assignment of Service Feature Restriction Class for NDM

1. General

This command assigns the Service Feature Restriction Class (SFC) for the Service Feature Index (SFI). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Use this command to assign same SFC for SFI to all nodes within the FCCS Network.
2. Table "SFI" provides the service feature name that corresponds to the SFI. Since the service feature indicated "-" in the table may not always be "Not used" index, do not enter RES=1 for "-" for the indicated SFI to prevent unexpected service feature effects.
3. Data can be entered on a Day/Night basis if specified in ASYD command, SYS1, Index 75, b1=1.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b0=1), assign the TN parameter as data "1" for all tenants.
5. The displayed Service Feature Restriction Class (SFC) corresponds to the one assigned by the ASDT command.
6. The Restriction Data (RES) is entered in the text box where RSC and RRI cross.
7. Assign each SFI data by ASFCN command when the identical SFI data is necessary for all nodes in the network. Prior to ASFCN command, NDM block must be assigned at SYS1, Index 514 in ASYDL.
8. Although it is regarded as "Restricted" when not assigning SFI by the ASFC command, when not assigning by the ASFCN command, it is not regarded as "Restricted," but the data of the ASFC command becomes effective. When assigning specific SFI as Restricted (RES=0), it is necessary to assign RES=0 (Restricted) by ASFCN command.
9. SFIs required to note restriction data assignment:
 - SFI=7 Call Forwarding-All Calls
When a destination of Call Forwarding-All Calls has already been assigned even if the feature is restricted by the new office data or changing of Day/Night mode, the assigned data can still be used or cancelled.
 - SFI=9 Call Forwarding-Busy Line
When a destination of Call Forwarding-Busy Line has already been assigned even if the feature is restricted by the new office data or changing of Day/Night mode, the assigned data can still be used or cancelled.

3. Data Entry Instructions

D/N: Day/Night Mode [D/N]

D=Day mode

N=Night mode

TN: Tenant Number**SFI: Service Feature Index [1-1023] Note 1**

Enter the SFI. Refer to Table "SFI".

Note 1: The system data assignment (ASYDL, SYS1, Index 513, b0~b1) is needed to use SFI:256~1023.

SFC: Service Feature Restriction Class [0-15]**RES: Restriction Data [0/1]**

Restriction Data is assigned in the columns where SFI and SFC cross. When unassigned, Restriction Data corresponding SFI recognized "0" (Restriction status).

0=Restricted

1=Allowed

SFI

SFI	SERVICE FEATURE
1	Outgoing Trunk Queuing
2	Call Back
3	Executive Right-of-Way (Calling)
4	Executive Right-of-Way (Called)
5	Call Waiting-Originating (Calling)
6	Call Waiting-Originating (Called)
7	Call Forwarding-All Calls
8	Call Forwarding-Don't Answer
9	Call Forwarding-Busy Line
10	Call Hold
11	Data Line Privacy/Attendant Camp On (Data Line Security; 0 = Privacy / 1 = Camp On)
12	Speed Calling System
13	Trunk Answer (TAS)
14	System Message Detail Recording (SMDR) - Trunk Basis
15	-
16	Line Load Control
17-18	-
19	Individual Speed Calling (Speed Calling - Station/Group)
20	Collect Call Blocking (for Asia, Brazil, Middle East, and Russia) Note: In the case of ISDN incoming call, Release Complete (RELCOM) signal is sent as Collect Call Blocking signal.
21	Off-Hook OG Queuing
22	-
23	Voice Mail Password Display Elimination
24	Emergency Call
25	Call Forward Outside - Local (0 = Restricted, 1 = Allowed)
26	Call Forward Outside - Long Distance (0 = Restricted, 1 = Allowed)
27	Account Codes/Authorization Codes/Forced Account Codes
28	-
29	Direct Call Pickup
30	Off-Hook Alarm
31	SID to Terminating user DTE
32	Line Circuit Reverse Relay Control (for 16LC)
33	Periodic Time Indication Tone
34	Trunk Answer from Any Station (TAS)
35	Exclusive Hold/Non-Exclusive Hold
36	Special Common Battery Station / Brokerage Hot Line (Dterm)
37	Radio Paging Answer
38	Meet-Me Paging
39	Individual Trunk Access
40	-
41	Timed Reminder (for Business System)/Automatic Wake Up (for Hotel System)
42	Group Announcement (for Hotel System)
43	Maid Dial (for Hotel System)
44	Last Number Call Redial
45	Special Administration Station (for Hotel System)

SFI (Continued)

SFI	SERVICE FEATURE
46	Bad Call Notify (Faulty Trunk Report)
47	Guest Information Display Terminal (for Hotel System)
48	Disable Distinctive Ringing for analog ports (0/1:No/Yes)/Bearer service (0/1:Speech/3.1 kHz Audio)
49	Operator Monitoring (for Hotel system in Asia, Australia, Latin America, Middle East, and Russia)
50	Off-Premise Extension (Long Line Telephone - No Howler, No PAD Control)
51	Boss-Secretary Features
52	Voice Call using an Access Code
53	Message Reminder using an Access Code
54	Priority Call 1
55	Priority Call 2
56	Priority Call 3
57	Priority Paging
58	Station-to-Station Station Message Detail Recording (SMDR) Call
59	MFC No Charge for IC Call (for Asia, Australia, Latin America, Middle East, and Russia)
60	MFC Called Party Release for IC Call (for Asia, Australia, Latin America, Middle East, and Russia)
61	-
62	Priority Outgoing Queue
63	Outgoing Queue Override
64-66	-
67	Call Park-Access and Answer
68	Call Park-Called
69	Automatic Message Waiting Lamp Off (for Hotel System)
70	Intercom Group
71	Distinctive Dial Tone
72	Called Station Switch Hook Flash Restriction
73	-
74	Message Waiting Lamp Setting from the ATT or Station (Called)
75	Call Hold Conference
76	Trunk Override Inhibit
77	Trunk Override
78	Station Barge in From a Tie Line
79	Hold on Queuing From a Tie Line
80	8-Party Conference Terminal
81	Recording for an Internal Call
82	Message Waiting Lamp Setting from the Station (Calling)
83-86	-
87	Multi Channel Recording <REC>
88-89	-
90	Multi Channel Recording <REPLAY>
91	Subscriber with Priority / without Priority (for Brazil only) Data Transmission/Subscriber without Priority (Normal setting)
92	Category of Attendant (for Asia, Australia, Latin America, Middle East, and Russia)
93	Voice Call Restrict (0 = No/1 = Yes)
94	Calling Party's Number Display Reject to ISDN Line
95	Direct IC Call Restriction (for ACD only)
96	-
97	Send facility Message Requesting SID Information
98	Send facility Message Requesting ANI Information

SFI (Continued)

SFI	SERVICE FEATURE
99	Call Forward I'm Here (Destination)
100	Call Forward I'm Here (Origination)
101-102	-
103	Assignment of No Answer Timer for Blind Transfer to Station/Blind Transfer to Attendant Note 8
104	Processing when the transferred station does not answer for a predetermined period of time in Blind Transfer 0 = Transferred station continuously rings Note 3, Note 4 1 = The transferred call is forwarded when Call Forwarding-Don't Answer is assigned at the transferred station and no-answer timer expires
105-106	-
107	Slumber Time Override
108	Transfer ISDN Incoming Call to Attendant
109	Advice of Charge Supplementary Service for ISDN
110	-
111	Call Forwarding - Toll Restriction (for Asia, Australia, Latin America, Middle East, and Russia)
112	Voice Call during Dial Intercom
113	-
114	Display on Dterm when a station is in DND (0/1 = RST/DND)
115-119	-
120	ETSI - ISDN Malicious Call Trace (MCT) (for Australia only)
121	-
122	Call Forward with ATT Camp-On
123-124	-
125	PAD Lock
126-127	-
128	Call Forwarding - Busy Line Override
129	Call Forwarding - Don't Answer while Call Waiting (North America only)
130	ATT Transfer while Call Waiting in case Call Forwarding Don't Answer - Busy. (North America only)
131	Add on Conference - 8 Party
132	Call Termination to Non-ACD Line while conversation using ACD Line or Multi-Line
133	-
134	Internal Zone Page Calling
135	-
136	Automatic Idle Return
137	Authorization Code Display Elimination
138	Consultation Hold Enhancement
139	-
140	Send Warning Tone to interrupted parties when Three-Way-Calling is established using Consultation Hold Enhancement
141	-
142	Message Waiting - Special Dial Tone (for Asia, Australia, Latin America, Middle East, and Russia)
143	ID Number Entry for Manual Roaming
144	-
145	Internal Zone Page Answer
146	Analog Caller ID-Station
147	Call Forwarding - PS Incoming Incomplete
148	Personal Ringer

SFI (Continued)

SFI	SERVICE FEATURE
149	Display of AOC on Dterm 0=Display 1=Mask
150	-
151	When CF-OUT SIDE is performed, Route Restriction Class of the station that has set CF-OUT SIDE is used
152	-
153	Analog Caller ID-Station (Single Mode)
154	ID Number Entry for PAD Lock (for Asia, Australia, Latin America, Middle East, and Russia)
155	Call Return
156	Call Forwarding - Override Indication (for Asia, Australia, Latin America, Middle East, and Russia)
157	PS Location Information
158	Privacy Release
159	Category of Attendant (for Asia, Australia, Latin America, Middle East, and Russia) Note 2
160-161	-
162	PS not-tone/no-vibration Call
163	ANI demand per station (Kuwait only)
164	-
165	Call Block
166-167	-
168	Analog Caller ID - Station by Modem Sender
169	-
170	Call Trace
171	-
172	Calling Party CLIR/CLIP Control
173	-
174	Camp On by Station
175	Advice of Charge Supplementary Service in Q-SIG Network
176-178	-
179	Self station number display elimination on the counter station Note 5
180	Counter station number display elimination on the self station Note 6
181	No Hunting to next station in group
182	-
183	Selectable Station Call Pickup
184-185	-
186	IP Enabled Dterm Login
187	-
188	Call Waiting Caller ID
189	Anonymous Call Block (North America only)
190	Distinctive Ringing for Toll Calls (North America only)
191	Distinctive Ringing List (North America only)
192	Anonymous Call Block/Individual Call Block (North America only)
193	Phantom Number Distinctive Ringing-Single Line (North America only)
194	Expanded Analog Caller ID Station
195	The station displays CS/ZT Location ID of PS on the LCD
196	PS that CS/ZT Location ID is displayed on LCD of connection station
197	Expanded Speed Calling
198	Call Forwarding-Logout
199	Preclude from Bandwidth Restriction

SFI (Continued)

SFI	SERVICE FEATURE
200	-
201	Message Audible Alert (North America only)
202	Name Display Follow on Call Forwarding (North America only)
203	Off-Hook Alarm for Inter-digit Timeout (North America only)
204	-
205	Pooled Station on Secondary MGC
206	PS Location Information Display-PS/Dterm over Dual Station Call
207-208	-
209	Priority of Call Forwarding-All Calls over Call Forwarding-Logout
210	Telephone Call Participating Function 0=Invalid 1=Valid
211	-
212	Software Multiple My Line Appearance
213	MA-ID Setting
214	Day/Night Mode Status-Dterm
215	Internal Zone Page Calling to originate Multi-Internal Zone Paging (North America only)
216-217	-
218	BLF over FCCS
219	Station-to-Station SMDR via IP
220	Call Park Deluxe Entry/Retrieve
221	Stop the hold music during 8/16/32-Party Conference call
222	8-Party Conference Billing Enhancement
223	Malicious Call Trace by hooking on analog telephone
224	Change of Multi-time zone
225	DTMF tone Playback 0=Disables the playback of DTMF tone. 1=Enables the playback of DTMF tone.
226	Forced Disconnect Trunk Feature 0 = Out of service 1 = In service (for North America and Asia)
227	Restriction on the connection of PPN/Pilot number (ACD)
228	Restriction on the connection of Monitor (ACD)
229	-
230	Allow/Restrict Connected Line Number Addressing for ETSI ISDN incoming call
231	International Prefix Display for ETSI ISDN incoming call
232	National Prefix Display for ETSI ISDN incoming call
233	Display Responded terminal number/Pilot number for ETSI ISDN incoming call
234	Mobility Access
235	My Line Designator (North America only)
236	Call Back-Out of Zone (for Mobility Access Station)
237	IP Dterm Override 0 = Permit 1 = Inhibit
238	Call History Note 9

SFI (Continued)

SFI	SERVICE FEATURE
239	ETSI Caller ID
240	Change of the priority for MA Call Forwarding 0=Logged Out IP Station - Call Destination & Call Forwarding > MA Call Forwarding 1=MA Call Forwarding > Logged Out IP Station - Call Destination & Call Forwarding
241	-
242	CLI Suppression-CCIS
243	User Authentication for Call Forwarding - I'm Here
244	Day/Night Mode Status-Dterm for SR-MGC only
245	Local Phone book
246	System Phone book
247	Terminal Phone book
248	Terminal Call History
249	-
250	Assisted Conference (North America only.)
251	Assist Conference without station line appearance/Assisted Conference only with station line appearance (North America only.)
252	Multi-Boss/Multi-Secretary
253	-
254	Hold Fixation Mode
255-257	-
258	Group Listening
259	DT710 DESI-Less Terminal Control (The terminal display is switched to Home display by pressing a Feature key)
260	Recover Node for SR-MGC
261	Maximum Necessary Digits / Route Selection for using Virtual Line 0=MA-ID of My Line 1=MA-ID of Virtual Line
262	-
263	Ring Volume in Headset Mode
264	DESI-Less Display - One Page Mode Note 10, Note 11
265	-
266	Subline Call History Note 7
267	Subline Call History - Answer Note 7
268-1023	-

Note 2: Only the outgoing call from ATTCN to MFC line is used to send out G-II signal with the combination of SFIs as follows:

SFI88
SFI89
SFI91
SFI92
SFI159

Category of Attendant

- Attendant Console without a held station/trunk
- Attendant Console with held station
- Attendant Console with held trunk
- Individual Trunk Access from Attendant Console

For detailed explanations, refer to Data Programming Manual - MFC.

- Note 3:** The following system data setting is necessary. ASYD, SYS1, Index 69, Bit 0=1 (according to the settings of ASFC SFI 104)
- Note 4:** In ACD system, when Blind Transfer is used on an ACD line to a non-ACD line, ASFC SFI 104 = 0 (Transferred station continuously rings) must be assigned. The transferred station means a non-ACD line (My Line of the ACD Agent Position) or a business station.
- Note 5:** This data is valid when SFI 180=1 is set for the counter station.
- Note 6:** This data is valid when SFI 179=1 is set for the counter station.
- Note 7:** Available from FP95-114 V4 Issue 4.0.
- Note 8:** The time set for a Station with ASYDL/ASYDN, SYS1, Index 1396 (no answer timer for the transfer of unanswered calls in a Hunt Group) will be given priority.
- Note 9:** This SFI specifically refers to System Call History inside of CALL HISTORY [C-195].
- Note 10:** DESI-Less Display indicates Line/Feature key information display area.
- Note 11:** Available from FP95-115 V5.

4. Data Sheet

[illegible]

ASGD: Assignment of Special Group Data

1. General

This command assigns the station number belonging to the special group that applies to the following service features:

- Off Hook Alarm
- Attendant Night Transfer
- Priority Call
- Do Not Disturb
- Room Cut Off
- Retention of Customized Terminal Settings

2. Precautions

1. When F=0-6 is assigned
 - The call destination of the special group is designated by the ASID command.
 - The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
 - Since the GN parameter is intermediate data to the ASID command, enter a unique number for each special group.
2. When F=7 is assigned
 - Detailed information on Customized Terminal Settings for each pattern assigned by this command is determined by the settings of ASYDL/ASYDN, System Data1 Indexes 1264 - 1279.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number

Enter the station number belonging to the special group or Customized Terminal Setting Pattern Number.

F: Function number [0-7]

0=Off Hook Alarm

1=Do Not Disturb (Only for Hotel System)

2=Room Cut Off (Only for Hotel System)

3=Attendant Night Transfer

4=Priority Call 1

5=Priority Call 2

6=Priority Call 3

7=Retention of Customized Terminal Settings (Not used for Hotel system.)

GN: Specific Terminating Group Number/Customized Terminal Pattern Number [1-7]

- When F=0-6 is assigned:

Enter a unique GN for each special group.

- When F=7 is assigned:

Enter a Customized Terminal Setting Pattern Number. Detailed information on Customized Terminal Setting for each pattern is determined by the settings of the following system data. **Note 1**

GN=1: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1264 and 1265.

GN=2: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1266 and 1267

GN=3: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1268 and 1269

GN=4: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1270 and 1271

GN=5: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1272 and 1273

GN=6: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1274 and 1275

GN=7: Applies the settings of ASYDL/ASYDN, System Data 1, Indexes 1276 and 1277

Note 1: When no data is set for the GN parameter, the settings of ASYDL/ASYDN, System Data 1, Indexes 1278 and 1279 is applied.

4. Data Sheet

[illegible]

ASGDL: Assignment of Special Group Data for LDM

1. General

This command is used to assign the stations that belong to the special group applied to the following service features:

- Off Hook Alarm
- Attendant Night Transfer
- Priority Call

The member stations are specified by Telephone Number previously assigned by the ALGSL command. This data is written in the Local Data Memory (LDM).

2. Precautions

1. The call destination of the special group is designated by the ASIDL command.
2. Since the GN parameter is intermediate data to the ASIDL command, enter a unique number for each special group.

3. Data Entry Instructions

TN: Tenant Number

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the station that belongs to the special group.

F: Function Number [0-7]

0=Off Hook Alarm

1=Do Not Disturb (for Hotel System)

2=Room Cut Off (for Hotel System)

3=Attendant Night Transfer

4=Priority Call 1

5=Priority Call 2

6=Priority Call 3

7=Not used

GN: Specific Terminating Group Number [1-255]

Enter a unique Group Number for each special group.

4. Data Sheet

[illegible]

ASGDN: Assignment of Special Group Data for NDM

1. General

This command is used to assign the stations that belong to the special group applied to the following service features in an FCCS network:

- Off Hook Alarm
- Attendant Night Transfer
- Priority Call

The member stations are specified by Telephone Number previously assigned by the ALGSN command. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The call destination of the special group is designated by the ASIDN command.
2. Since the GN parameter is intermediate data to the ASIDN command, enter a unique number for each special group.

3. Data Entry Instructions

TN: Tenant Number

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the station that belongs to the special group.

F: Function Number [0-7]

0=Off Hook Alarm

1=Not used

2=Not used

3=Attendant Night Transfer

4=Priority Call 1

5=Priority Call 2

6=Priority Call 3

7=Not used

GN: Specific Terminating Group Number [1-255]

Enter a unique Group Number for each special group.

4. Data Sheet

[illegible]

ASHC: Assignment of Station Hunting Group - Circular

1. General

This command assigns, modifies and deletes the data related to the Station Hunting - Circular service feature. New and additional assignment of stations including Secretary Station to the group are also available.

2. Precautions

1. The maximum number of member stations within a Hunting Group is 100, and secretary station is not included.
2. The order of the newly added station is to the next of the station that is registered to specify the Hunting Group.
3. When assigning the Circular Hunting member station data, the data entered in the STN text box must be reentered as CNT 1 text box.

Example: When the station numbers 300, 301, and 302 are the members of the Station Hunting - Circular group, assign the data as follows:

```
STN= 300  
CNT 1=300  
CNT 2=301  
CNT 3=302
```

4. You can delete Circular Hunting Group by specifying the station number that belongs to the group.
5. If you delete Circular Hunting Group, the whole data of the specified group is deleted.
6. If you need to delete only Secretary Station, specify the Secretary station number.
7. You cannot register Secretary Station as the Pilot Station or the member station of the other Hunting Groups.
8. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
9. When editing or changing the order of the member station data at the top of “Station List in Group”, you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

TN: Tenant Number [1-63]

STN: Station number [Business: Maximum 5 digits (0-9, *, #)]

Enter the station number of the Pilot Station in Hunting Group.

SECRETARY STN: Secretary station number

Enter the secretary's station number if required.

[Station List in Group]

STN: Station number [Business: Maximum 5 digits (0-9, *, #)]

Enter the station number of the member station to be added to the list.

4. Data Sheet

TENANT NUMBER (TN)		STATION NUMBER (STN) MAXIMUM 5 DIGITS		SECRETARY STATION NUMBER (SECRETARY)			
STATION NUMBER (STN)							
NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHCL: Assignment of Station Hunting Group-Circular for LDM

1. General

This command assigns, modifies and deletes the data related to the Station Hunting - Circular service feature. With this command, Station Hunting Group - Circular can be assigned by using Telephone Number assigned in the ALGSL command. Assignment of Secretary Station to the group is also available.

2. Precautions

1. The maximum number of member stations within a Hunting Group is 100.
2. There is no limitation on the number of Circular groups in a system.
3. The data assigned by this command is written in LDM (Local Data Memory), and can only be used by the LN (Local Node).
4. When editing or changing the order of the member station data at the top of “Station List in Group”, you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the Pilot Station in Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the secretary's telephone number if required.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the member station in Hunting Group.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)			
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHCN: Assignment of Station Hunting Group - Circular for NDM

1. General

This command assigns, modifies and deletes the data related to the Station Hunting - Circular for FCCS service. New and additional assignment of stations including Secretary Station to the group are also available. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The maximum number of member stations within a Hunting Group is 100.
2. A station can only be assigned to a single Hunting Group, except Secretary Station.
3. A phantom number assigned by the APHN command cannot be assigned to the group.
4. The order of the newly added station is to the next of the station that is registered to specify the Hunting Group.
5. You can delete Circular Group by specifying the station belonging to the group.
6. When you delete Circular Group, the whole data of the specified group is deleted.
7. If you want to delete only Secretary Station, specify the Secretary Station.
8. You need to log on to NCN (Network Control Node) to assign data by using this command.
9. To assign data, click the “Group by FPC” button to sort the data in “Station List in Group” by FPC group. Otherwise, you cannot assign the data.
10. Stations from up to four FPCs (nodes), including Secretary Telephone Number, can be assigned to the same group.
11. When editing or changing the order of the member station data at the top of “Station List in Group”, you need to get one of the data within the group except the one at the top of the list.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the Pilot Station in Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the secretary’s extension if required.

SECRETARY FPC: Secretary Fusion Point Code [Display only, 1-253]

Displays FPC where the station that is entered to TELN or SECRETARY TELN belongs.

[Station List in Group]**TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]**

Enter the Telephone Number of the member station in Hunting Group.

FPC: Fusion Point Code [Display only, 1-253]**4. Data Sheet**

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)			FUSION POINT CODE (FPC) 1-253
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHP: Assignment of Station Hunting Group-Pilot

1. General

This command assigns, modifies and deletes the data related to the Station Hunting - Pilot service feature. New and additional assignment of Station including Secretary Station to the group are also available

2. Precautions

1. A station can only be assigned to a single Hunting Group, except Secretary Station.
2. The maximum number of member stations within a Hunting Group is 100 without including Secretary Station.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
4. The Pilot station number is assigned in the STN parameter.
5. The Phantom station number (that is assigned by the APHN command) cannot be assigned for the pilot station number of the Station Hunting - Pilot.
6. You cannot modify Pilot station number, but you can modify Secretary station number. However, this is only applicable for the number where a Secretary Station or no station is assigned.
7. You can specify the Pilot Group by entering the Pilot station number or the member station number. However, you cannot delete the group data by specifying the Secretary Station in the group.
8. When you delete Pilot Group, the whole data of the specified group is deleted.
9. If the group includes Secretary Station, the Secretary Station is deleted first.
10. Secretary Station can only be assigned to a single Hunting Group.
11. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the Pilot station.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Business: Maximum 5 digits, Hotel: Maximum 6 digits (0-9, *, #)]

Enter the station number of the Pilot station in Hunting Group.

SECRETARY STN: Secretary station number [Maximum 6 digits (0-9, *, #)]

Enter the secretary station number if required.

[Station List in Group]

STN: Station number [Business: Maximum 5 digits, Hotel: Maximum 6 digits (0-9, *, #)]

Enter the station number of member station in Hunting Group.

4. Data Sheet

TENANT NUMBER (TN)		STATION NUMBER IN HUNTING GROUP (STN)		SECRETARY STATION NUMBER (SECRETARY STN)			
STATION NUMBER (STN)							
NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ASHPL: Assignment of Station Hunting Group-Pilot for LDM

1. General

This command assigns, modifies and deletes the data related to the Station Hunting - Pilot. With this command, Station Hunting Group - Pilot can be assigned by using Telephone Number assigned in the ALGSL command.

2. Precautions

1. The maximum number of member stations within a Hunting Group is 100.
2. There is no limitation on the number of Pilot groups in a system.
3. The Pilot station number is assigned in the TELN parameter.
4. The data assigned by this command is written in LDM (Local Data Memory), and can only be used by the LN (Local Node).
5. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the Pilot station.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the Pilot station in Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the secretary's telephone number if required.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the member stations in Hunting Group.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)			
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ASHPN: Assignment of Station Hunting Group-Pilot for NDM

1. General

This command assigns, modifies and deletes the data related to the Station Hunting - Pilot for FCCS service. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating NDM at each Local Node (LN).

2. Precautions

1. The maximum number of member stations within a Hunting Group is 100.
2. The Pilot station number is assigned in the TELN parameter.
3. You cannot modify Pilot station number, but you can modify Secretary station number. However, this is only applicable for the number where a Secretary Station or no station is assigned.
4. You can specify the Pilot Group by entering the Pilot station number or the member station number. However, you cannot delete the group data by specifying the Secretary Station in the group.
5. A station can only be assigned to a single Hunting Group, except Secretary Station.
6. You need to log on to NCN (Network Control Node) to assign data by using this command.
7. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the Pilot station.
8. To assign data, click the “Group by FPC” button to sort the data in “Station List in Group” by FPC group. Otherwise, you cannot assign the data.
9. Stations from up to four FPCs (nodes), including Secretary Telephone Number, can be assigned in the same group.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the Pilot station in Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the secretary's telephone number if required.

SECRETARY FPC: Secretary Fusion Point Code [Display only, 1-253]

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of the member station in Hunting Group.

FPC: Fusion Point Code [Display only, 1-253]

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)		FUSION POINT CODE (FPC) 1-253	
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ASHSL: Assignment of Station Hunting Group-Switchback for LDM

1. General

This command assigns, modifies and deletes the data related to Station Hunting - Priority with Switchback [S-139]. With this command, the group of Station Hunting-Priority with Switchback [S-139] can be assigned by using Telephone Number. This data is written in Local Data Memory (LDM).

2. Precautions

1. A maximum of 100 stations can be assigned to a Hunting Group. There is no limitation on the number of groups in a system.
2. If all the member stations in the Hunting Group are busy, the call can be shifted to a specified Secretary Station outside the group. A maximum of 4,096 Secretary Stations can be assigned per system.
3. Telephone Number of the member stations must be assigned by the ALGSL command.
4. If a Telephone Number is registered to a Hunting Group (Pilot, Circular, Priority, Priority with Switchback, UCD), the Telephone Number cannot be registered to other Hunting Group in duplicate. (A Telephone Number can belong to only one Hunting Group.)

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of the Pilot station in the Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the secretary station's Telephone Number if required.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of the member stations in the Hunting Group.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)			
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHSN: Assignment of Station Hunting Group-Switchback for NDM

1. General

This command assigns the data related to Station Hunting - Priority with Switchback [S-139] for FCCS Network. Assignment of Secretary Station to the group is also available. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control node (NCN), updating all the data in the NDM at each Local Node (LN).

2. Precautions

1. A maximum of 100 stations can be assigned to a Hunting Group. There is no limitation on the number of groups in a system.
2. If all the member stations in the Hunting Group are busy, the call can be shifted to a specified Secretary Station outside the group. A maximum of 4,096 Secretary Stations can be assigned per system.
3. Telephone Number of the member stations must be assigned by the ALGSN command.
4. If a Telephone Number is registered to a Hunting Group (Pilot, Circular, Priority, Priority with Switchback, UCD), the Telephone Number cannot be registered to other Hunting Group in duplicate. (A Telephone Number can belong to only one Hunting Group.)
5. The Phantom station number (that is assigned by the APHN command) cannot be assigned.
6. The order of the newly added station is to the next of the station that is registered to specify the Hunting Group.
7. You can delete Switchback Group by specifying the station belonging to the group.
8. When you delete Switchback Group, the whole data of the specified group is deleted.
9. If you want to delete only Secretary Station, specify the Secretary Station.
10. You need to log on to NCN (Network Control Node) to assign data by using this command.
11. To assign data, click the “Group by FPC” button to sort the data in “Station List in Group” by FPC group. Otherwise, you cannot assign the data.
12. The stations from up to four FPCs (nodes), including Secretary Telephone Number, can be assigned in the same group.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of the Pilot station in the Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the secretary station's Telephone Number if required.

SECRETARY FPC: Secretary Fusion Point Code [Display only, 1-253]

Displays FPC where the station that is entered to TELN or SECRETARY TELN belongs.

[Station List in Group]**TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]**

Enter the Telephone Number of the member stations in the Hunting Group.

FPC: Fusion Point Code [Display only,1-253]

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)		FUSION POINT CODE (FPC)	
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHTL: Assignment of Station Hunting Group-Terminate for LDM

1. General

This command assigns, modifies and deletes the data related to Station Hunting - Priority [S-138]. With this command, the group of Station Hunting - Priority [S-138] can be assigned by using Telephone Number. This data is written in the Local Data Memory (LDM).

2. Precautions

1. A maximum of 100 stations can be assigned to a Hunting Group. There is no limitation on the number of groups in a system.
2. If all the member stations in the Hunting Group are busy, the call can be shifted to a specified Secretary Station outside the group. A maximum of 4,096 Secretary Stations can be assigned per system.
3. Telephone Number of the member stations must be assigned by the ALGSL command.
4. If a Telephone Number is registered to a Hunting Group (Pilot, Circular, Priority, Priority with Switch-back, UCD), the Telephone Number cannot be registered to other Hunting Group in duplicate. (A Telephone Number can belong to only one Hunting Group.)

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of the Pilot station in the Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the secretary station's Telephone Number if required.

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of the member stations in the Hunting Group.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)			
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHTN: Assignment of Station Hunting Group-Terminate for NDM

1. General

This command assigns the data related to Station Hunting - Priority [S-138] for FCCS Network. Assignment of Secretary Station to the group is also available. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control node (NCN), updating all the data in the NDM at each Local Node (LN).

2. Precautions

1. A maximum of 100 stations can be assigned to a Hunting Group. There is no limitation on the number of groups in a system.
2. If all the member stations in the Hunting Group are busy, the call can be shifted to a specified Secretary Station outside the group. A maximum of 4,096 Secretary Stations can be assigned per system.
3. Telephone Number of the member stations must be assigned by the ALGSN command.
4. If a Telephone Number is registered to a Hunting Group (Pilot, Circular, Priority, Priority with Switchback, UCD), the Telephone Number cannot be registered to other Hunting Group in duplicate. (A Telephone Number can belong to only one Hunting Group.)
5. The Phantom station number (that is assigned by the APHN command) cannot be assigned.
6. You can delete Terminate Group by specifying the station belonging to the group.
7. When you delete Terminate Group, the whole data of the specified group is deleted.
8. If you want to delete only Secretary Station, specify the Secretary Station.
9. You need to log on to NCN (Network Control Node) to assign data by using this command.
10. To assign data, click the “Group by FPC” button to sort the data in “Station List in Group” by FPC group. Otherwise, you cannot assign the data.
11. The stations from up to four FPCs (nodes), including Secretary Telephone Number, can be assigned in the same group.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number in Hunting Group-Switchback [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of the Pilot station in the Hunting Group.

SECRETARY TELN: Secretary Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the secretary station's Telephone Number if required.

SECRETARY FPC: Secretary Fusion Point Code [Display only, 1-253]

Displays FPC where the station that is entered to TELN or SECRETARY TELN belongs.

[Station List in Group]**TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]**

Enter the Telephone Number of the member stations in the Hunting Group.

FPC: Fusion Point Code [Display only,1-253]

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		SECRETARY TELEPHONE NUMBER (SECRETARY TELN)		FUSION POINT CODE (FPC)	
NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATIONS (CNT)	TELEPHONE NUMBER (TELN)
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	

ASHU: Assignment of Station Hunting Group-UCD

1. General

This command assigns, modifies and deletes the data related to the Uniform Call Distribution (UCD) service feature. New and additional assignment of stations are available.

2. Precautions

1. A station can only be assigned to a single Hunting Group, except Secretary Station.
2. The Phantom station number (that is assigned by the APHN command) cannot be assigned.
3. A maximum of 63 UCD groups can be arranged per Node.
4. The maximum number of stations within a UCD group is 100.
5. When you delete UCD Group, the whole data of the specified group is deleted.
6. The UCD pilot station (controlling station) is assigned at the STN parameter.
7. Assign the AUAD command if the Delay Announcement-UCD service feature is required.
8. Assign the AUCD command if the following peripheral thresholds are required:
 - (a) The number of calls in UCD queuing that are used for the UCD Peg Count.
 - (b) The threshold causes the UCD Call Waiting Lamp located on a Desktop terminal to flash.
 - (c) Denies the MCI call result text if the call terminated to the UCD group.
9. Assign AUOG command if the Overflow-UCD service feature is required.
10. When assigning the AUAD/AUCD/AUOG commands, the Tenant Number (TN) and the UCD Pilot station (controlling station) number (STN) assigned in this command are used to specify the UCD group.
11. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
12. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the UCD Pilot station (controlling station).

3. Data Entry Instructions

TN: Tenant Number [1-63]

STN: Station number [Business: Maximum 5 digits (0-9, #, *)]

Enter UCD Pilot (controlling station) number.

[Station List in Group]

STN: Station number [Business: Maximum 5 digits (0-9, *, #)]

Enter the station number to be added to the list, except UCD Pilot (controlling station) number.

4. Data Sheet

TENANT NUMBER (TN)		STATION NUMBER (STN) Note 1					
STATION NUMBER (STN)							
NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN	NUMBER OF STATIONS (CNT)	STN
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

Note 1: Enter the first station number here. This Station becomes the control station.

ASHUEN: Assignment of Station Hunting Expand Group–UCD for NDM

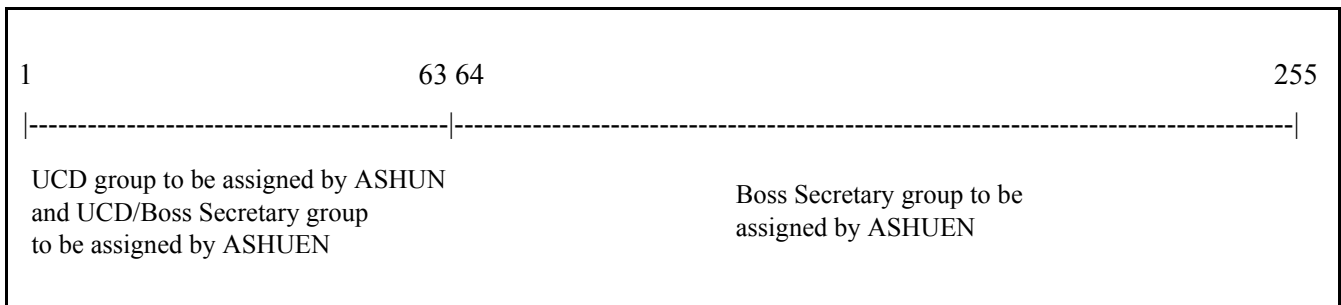
1. General

This command assigns the multiplexed UCD Group data. By using this command, a controlling station/non-controlling station can belong to multiple UCD groups. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

Note: This command is also used for registering the Boss-Secretary group for Multi-Boss/Multi-Secretary feature.

2. Precautions

1. When the station number has already assigned by ASHUN, delete the ASHUN data once, and then assign the station number by ASHUEN.
2. The maximum number of stations within a UCD group is 100.
3. The UCD pilot station (controlling station) is assigned at the TELN parameter.
4. A maximum number of groups is 255 per a node for the combination of Boss-Secretary group and UCD group. The relationship for the groups is as follows.
 - (a) When “Multi Boss Secretary Group” checkbox is not checked, assign the UCD group in the range of 1-63.
 - (b) When “Multi Boss Secretary Group” checkbox is checked, assign the Boss-Secretary group in the range of 64-255. If the number of 64-255 is all used, the unused number of 1-63 is used.



5. The Telephone Number of the member stations must be assigned in the ALGSN command.
6. Assign the AUADN command if the Delay Announcement–UCD service feature is required.
7. Assign the AUCDN command if the peripheral threshold listed below is required:
 - (a) The number of calls in UCD queuing that is used for the UCD Peg Count
 - (b) The threshold of the UCD Call Waiting Lamp (that can be accommodated on a Desktop terminal) starts to flash.
 - (c) Denial of the MCI call result text of the call terminated to the UCD group
8. Assign AUOGN command if the Overflow–UCD service feature is required.

9. When assigning the AUADN/AUCDN/AUOGN commands, the User Group Number (UGN) and the UCD Pilot station (controlling station) number (TELN) assigned in this command are used to specify the UCD group.
10. You need to log on to NCN (Network Control Node) to assign data by using this command.
11. Delete data for AUOGN command first when deleting Telephone Number for this command.
12. When you select “Multi Group Station - UCD” under “Kind of Group”, you need to click the “Group by FPC” button to sort the data in “Station List in Group” by FPC group. Otherwise, you cannot assign the data.
13. Stations from up to four FPCs (nodes) can be assigned in the same group.
14. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the UCD Pilot station (controlling station).

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, *, #)]

Enter the Telephone Number of UCD Pilot station (controlling station).

Kind of Group [0/1]

0=Multi Group Station - UCD

1=Multi-Boss/Multi-Secretary Group

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number to be added to the list, except UCD Pilot (controlling station) number.

FPC: Fusion Point Code [Display only,1-253]

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER OF CONTROLLING STATION (TELN)		FUSION POINT CODE (FPC) 1-253			
NUMBER OF STATION (CNT)	TELEPHONE NUMBER OF NON-CON- TROLLING STA- TION (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER OF NON-CON- TROLLING STA- TION (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER OF NON-CON- TROLLING STA- TION (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER OF NON-CON- TROLLING STA- TION (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ASHUL: Assignment of Station Hunting Group-UCD for LDM

1. General

This command assigns, modifies and deletes the data related to the Uniform Call Distribution (UCD) service feature for each Node by using Telephone Number. The data is written in Local Data Memory (LDM).

2. Precautions

1. The maximum number of stations within a UCD group is 100.
2. A maximum of 63 UCD groups can be arranged per Node.
3. The UCD pilot station (controlling station) is assigned at the TELN parameter.
4. The Telephone Number of the member stations must be assigned in the ALGSL command.
5. Assign the AUADN command if the Delay Announcement-UCD service feature is required.
6. Assign the AUCDN command if the peripheral threshold listed below is required:
 - (a) The number of calls in UCD queuing that is used for the UCD Peg Count
 - (b) The threshold of the UCD Call Waiting Lamp (that can be accommodated on a Desktop terminal) starts to flash
 - (c) Denial of the MCI call result text of the call terminated to the UCD group
7. Assign AUOGL command if the Overflow-UCD service feature is required.
8. When assigning the AUADL/AUCDL/AUOGL commands, the User Group Number (UGN) and the UCD Pilot station (controlling station) number (TELN) assigned in this command are used to specify the UCD group.
9. Delete data for AUOGL command first when deleting Telephone Number for this command.
10. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the UCD Pilot station (controlling station).

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of UCD Pilot station (controlling station).

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number to be added to the list, except UCD Pilot (controlling station) number.

4. Data Sheet

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER IN HUNTING GROUP-UCD (TELN)					
1							
NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ASHUN: Assignment of Station Hunting Group-UCD for NDM

1. General

This command assigns, modifies and deletes the data related to the Uniform Call Distribution (UCD) for FCCS service. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The maximum number of stations within a UCD group is 100.
2. The UCD pilot station (controlling station) is assigned at the TELN parameter.
3. The Telephone Number of the member stations must be assigned in the ALGSN command.
4. Assign the AUADN command if the Delay Announcement-UCD service feature is required.
5. Assign the AUCDN command if the peripheral threshold listed below is required:
 - (a) The number of calls in UCD queuing that is used for the UCD Peg Count
 - (b) The threshold of the UCD Call Waiting Lamp (that can be accommodated on a Desktop terminal) starts to flash.
 - (c) Denial of the MCI call result text of the call terminated to the UCD group
6. Assign AUOGN command if the Overflow-UCD service feature is required.
7. When assigning the AUADN/AUCDN/AUOGN commands, the User Group Number (UGN) and the UCD Pilot station (controlling station) number (TELN) assigned in this command are used to specify the UCD group.
8. A station can only be assigned to a single Hunting Group, except Secretary Station.
9. You need to log on to NCN (Network Control Node) to assign data by using this command.
10. Delete data for AUOGN command first when deleting Telephone Number for this command.
11. To assign data, click the “Group by FPC” button to sort the data in “Station List in Group” by FPC group. Otherwise, you cannot assign the data.
12. Stations from up to four FPCs (nodes) can be assigned in the same group.
13. You cannot edit or change the order of the station data listed at the top of “Station List in Group” as the UCD Pilot station (controlling station).

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number of UCD Pilot station (controlling station).

[Station List in Group]

TELN: Telephone Number [Maximum 16 digits (0-9, #, *)]

Enter the Telephone Number to be added to the list, except UCD Pilot (controlling station) number.

FPC: Fusion Point Code [Display only,1-253]**4. Data Sheet**

USER GROUP NUMBER (UGN)		TELEPHONE NUMBER (TELN)		FUSION POINT CODE (FPC) 1-253			
NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)	NUMBER OF STATION (CNT)	TELEPHONE NUMBER (TELN)
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	
26		51		76			

ASID: Assignment of Special Incoming

1. General

This command assigns the call destination of the following service features:

- Off Hook Alarm
- Attendant Night Transfer
- Priority Call
- Do Not Disturb
- Room Cut Off

2. Precautions

1. The applicable stations to achieve the above service features are categorized as Special Group. The stations belonging to the Special Group are assigned by the ASGD command.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b7=1), assign TN parameter as data “1” for all tenants.
3. Do not enter S/A=A (Attendant Console), when F=3 (Attendant Night Transfer) is entered.
4. The GN parameter should correspond to the one assigned by the ASGD command.

3. Data Entry Instructions

TN: Tenant Number**F: Function number [0-7]**

0=Off Hook Alarm

1=Do Not Disturb (for Hotel System)

2=Room Cut Off (for Hotel System)

3=Attendant Night Transfer

4=Priority Call 1

5=Priority Call 2

6=Priority Call 3

7=Not used

GN: Specific terminating group number [1-7]

Enter GN assigned by the ASGD command.

S/A: Specific terminating equipment

Station

Attendant Console

S_STN: Special station number

Enter the destination station number. This parameter appears when S/A=Station is selected.

4. Data Sheet

TENANT NUMBER (TN)	FUNCTION NUMBER (F) 0 – 7	GROUP NUMBER (GN) 1 – 7	SPECIFIC TERMINATING EQUIPMENT		REMARKS
			STATION/ ATTCON S/A	SPECIAL STATION NUMBER (SSTN)	
		1	S		
			A		
		2	S		
			A		
		3	S		
			A		
		4	S		
			A		
		5	S		
			A		
		6	S		
			A		
		7	S		
			A		
		1	S		
			A		
		2	S		
			A		
		3	S		
			A		
		4	S		
			A		
		5	S		
			A		
		6	S		
			A		
		7	S		
			A		

ASIDL: Assignment of Special Incoming for LDM

1. General

This command is used to assign the call destination of the following service features;

- Off Hook Alarm
- Attendant Night Transfer
- Priority Call
- Do Not Disturb
- Room Cut Off

The destination stations are specified by using Telephone Number previously assigned by the ALGSL command. This data is written in the Local Data Memory (LDM).

2. Precautions

1. The applicable stations to achieve the above service features are categorized as Special Group. The stations that belong to the Special Group are assigned by the ASGDL command.
2. The GN parameter should correspond to the one assigned by the ASGDL command.

3. Data Entry Instructions

UGN: User Group Number [1-255]**F: Function Number [0-7]**

0=Off Hook Alarm

1=Not used

2=Not used

3=Attendant Night Transfer

4=Priority Call 1

5=Priority Call 2

6=Priority Call 3

7=Not used

GN: Specific Terminating Group Number [1-255]

Enter the Group Number assigned by the ASGDL command.

S/A: Specific Terminating Equipment

Telephone Number (of the station)

Attendant Console

S_TELN: Special Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the destination station. (When S/A=Telephone Number is selected.)

4. Data Sheet

[illegible]

ASIDN: Assignment of Special Incoming for NDM

1. General

This command is used to assign the call destination of the following service features in the FCCS Network;

- Off Hook Alarm
- Attendant Night Transfer
- Priority Call

The destination stations are specified by using Telephone Number previously assigned by the ALGSN command. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), upgrading the NDM at each Local Node (LN).

2. Precautions

1. The applicable stations to achieve the above service features are categorized as Special Group. The stations that belong to the Special Group are assigned by the ASGDN command.
2. The GN parameter should correspond to the one assigned by the ASGDN command.

3. Data Entry Instructions

UGN: User Group Number [1-255]**F: Function Number [0-7]**

0=Off Hook Alarm

1=Not used

2=Not used

3=Attendant Night Transfer

4=Priority Call 1

5=Priority Call 2

6=Priority Call 3

7=Not used

GN: Specific Terminating Group Number [1-255]

Enter the Group Number assigned by the ASGDN command.

S/A: Specific Terminating Equipment

Telephone Number (of the station)

Attendant Console

S_TELN: Special Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the destination station. (When S/A=Telephone Number is selected.)

4. Data Sheet

USER GROUP NUMBER (UGN) 1-255	FUNCTION NUMBER (F) 0-7	SPECIFIC TERMINATING GROUP NUMBER (GN) 1-255	SPECIFIC TERMINATING EQUIPMENT		REMARKS
			S/A	SPECIAL TELEPHONE NUMBER (STELN) MAXIMUM 16 DIGITS [0-9, *, #]	
			S		
			A		
			S		
			A		
			S		
			A		
			S		
			A		
			S		
			A		
			S		
			A		
			S		
			A		
			S		
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			S		
			A		
			S		
			A		
			S		
			A		
			S		
			A		

ASLU1: Assignment of Slumber Time Data 1

1. General

This command assigns the data related to the Slumber Time - Do Not Disturb service feature.

2. Precautions

1. The call terminating to the Slumber Group is forwarded to an Attendant Console or an Announcement trunk (DAT circuit card) with a predetermined slumber time.
2. The station numbers belonging to the Slumber Group are assigned by the ASLU1 command.
3. The slumber time period and the forwarded destination are assigned by the ASLU2 command.
4. The “G” parameter on this command is intermediate data to assign the ASLU2 command.
5. Denial of the Slumber Time - Do Not Disturb service feature can be assigned by the following commands:
 - (a) ARTD command, SLOV = 1 is assigned for trunk route
or
 - (b) ASFC command SFI = 107, RES = 1 is assigned for the class of the originating station

3. Data Entry Instructions

TN: Tenant Number

STN: Station number

Enter the station number of the slumber group.

G: Slumber time group number [1-7]

Enter data in the G parameter. Multiple numbers of STN can be assigned to a slumber group number.

4. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	SLUMBER TIME GROUP NUMBER (G) 1 – 7	REMARKS

ASLG: Assignment of System Language designation

1. General

This command is used to provide the multiple languages for Multilingual Display per system, per Unit or per terminal. Also this command is used to provide the multiple regional tones for Multiple Tone-D per terminal

2. Precautions

1. A maximum of ten different languages (First Language: one/Second Language: nine) can be provided in a system.
2. For IP stations, either of the provided languages can be specified per terminal.
3. For Digital terminals or analog terminals, either of First Language set per system or Second Language set per Unit can be specified.
4. For IP stations, different regional tones can be specified per terminal.
5. Language Numbers from 18 through 27 are for use in the Optional Language Pack Loading feature.
6. Up to 20 language files in the system can be included in the language file list on the [EXTENSION] tab. The language files are listed in the order in which they were uploaded. If 20 or more files are already present in the system, newly uploaded files will not be shown in the list until older files are removed to make room for new ones.

3. Data Entry Instructions

<FIRST>

Basic data setting

[First Language Data] Field

LANG NO: Language Number [1-27]

Specify the First Language used per system. For the Language, see <Language Selection>.

Note: Language Numbers from 18 through 27 are available.

[System Tone Data] Field

TONE NO: Tone Number [0-17, 200-218]

Specify the tone used per system. For the Tone Region, see Language Number (LANG NO).

<SECOND>

Second Language Data

[Second Language] Field

Select either of the radio buttons.

- System Setting
- Select Terminal

LANG NO: Language Number [1-27]

Specify the Second Language used per system or per terminal. For the Language, see <Language Selection>.

Note: Language Numbers from 18 through 27 are available.

<TERMINAL>

Enter the range of the Tenant Numbers and station numbers, then specify language or tone used per terminal.

Terminal Data Setting**[Line Number Type] Field**

Select either of the radio buttons.

- STN
- TELN (LDM)
- TELN (NDM)

[Change Data Type] Field

Click either of the check boxes.

- LANG
- TONE

◆ When “STN” is selected in [Line Number Type] field.

START/END TN

Enter the appropriate range of Tenant Numbers.

START/END STN

Enter the appropriate range of station numbers.

KIND: Setting Terminal Kind

Select the kind of the Desktop terminal.

DtermIP
Legacy

LANG: Terminal Use Language Note 1, Note 2, Note 3

First Language
Language registered by SECOND tab
Second Language

Note 1: When “System Setting” is registered in Second Language on SECOND tab, selecting “DtermIP” in KIND makes “First Language” and “Second Language” selectable.

Note 2: When “Select Terminal” is registered in Second Language on SECOND tab, selecting “DtermIP” in KIND makes “First Language” and “Language registered by SECOND tab” selectable.

Note 3: When “Legacy” is selected in KIND, “First Language” or “Second Language” can be selected.

TONE: Tone Number of IP Terminal

Specify the Tone used per terminal.

- ◆ When “TELN (LDM)” is selected in [Line Number Type] field.

UGN: User Group Number

TELN START-END: The range of the Telephone Numbers [Maximum 16 digits]

KIND: Setting Terminal Kind

Select the kind of the Desktop terminal.

DtermIP

Legacy

LANG: Terminal Use Language **Note 4** **Note 5** **Note 6**

Select the language used per terminal.

First Language

Language registered by SECOND tab

Second Language

Note 4: When “System Setting” is registered in Second Language on SECOND tab, selecting “DtermIP” in KIND makes “First Language” and “Second Language” selectable.

Note 5: When “Select Terminal” is registered in Second Language on SECOND tab, selecting “DtermIP” in KIND makes “First Language” and “Language registered by SECOND tab” selectable.

Note 6: When “Legacy” is selected in KIND, “First Language” or “Second Language” can be selected.

TONE: Tone Number of IP Terminal

Specify the Tone used per terminal.

Note: This data is not available when “Legacy” is selected in KIND.

- ◆ When “TELN (NDM)” is selected in [Line Number Type] field.

FPC: Fusion Point Code

Note: FPC data is available only when you are logged into the NCN (network control node).

Note: FCCS Network must be established in order that data copy is performed to another node by TELN (NDM).

UGN: User Group Number

TELN START-END: The range of the Telephone Numbers [Maximum 16 digits]

KIND: Setting Terminal Kind

Select the kind of the Desktop terminal.

DtermIP

Legacy

LANG: Terminal Use Language **Note 7** **Note 8** **Note 9**

Select the language used per terminal.

First Language

Language registered by SECOND tab

Second Language

Note 7: When “System Setting” is registered in Second Language on SECOND tab, selecting “DtermIP” in KIND makes “First Language” and “Second Language” selectable.

Note 8: When “Select Terminal” is registered in Second Language on SECOND tab, selecting “DtermIP” in KIND makes “First Language” and “Language registered by SECOND tab” selectable.

Note 9: When “Legacy” is selected in KIND, “First Language” or “Second Language” can be selected.

TONE: Tone Number of IP Terminal

Specify the Tone used per terminal.

<UNIT>

Enter the Module Group Number and Unit Number, then specify language used per Unit.

Set up Language to Unit**MG: Module Group Number**

Assign MG No. of the node respectively.

U: Unit Number [0-3]

Assign Unit No. of the node respectively.

LANG NO: Language Number [1-27]

Specify the language used per Unit.

Note: Language Numbers from 18 through 27 are available.

<EXTENSION>**[System Select] Field**

- ACT
- STBY

[Extension Language] (For Viewing Only)

Displays a maximum of 10 Extension Languages (LANG NO [18-27]).

[Select Language]

Displays a maximum of 20 language files (No [1-20]) in the Telephony Server.

LANG NO: Extension Language Number [18-27]

Choose the desired language files from the [Select Language] list as Extension Languages, and assign Extension Language numbers [18-27] to each of them by entering the numbers in the [LANG NO] field of the [Select Language] list.

<Language Selection>

This table shows kind of Language for each LANG NO. For LANG NO, set the data according to this table.

Language Number (LANG NO)

LANGUAGE	LANG NO	LANGUAGE	LANG NO
Japanese	1	Danish	10
English for NEC	2	Swedish	11
Portuguese for NEC	3	Greek	12
Spanish for NEC	4	English	13
Canadian French for NEC	5	Portuguese	14
German	6	Spanish	15
Italian	7	French	16
Dutch	8	Russian	17
Not used	9	Extension Languages 1-10	18-27

<Tone Region Selection>

These tables show Tone Region for each TONE NO. For TONE NO, set the data according to these tables.

Tone Number (TONE NO)

- Country Code for Basic Tone Setting.

TONE REGION	TONE NO	TONE REGION	TONE NO
System tone	0	Taiwan	10
Japan	1	New Zealand	11
North America	2	Korea	12
Australia	3	Brazil	13
Other Countries	4	China	14
Hong Kong	5	Thailand	15
Malaysia	6	Thailand (EGAT)	16
Singapore	7	Sri Lanka	17
England	8	Not used	18-199
Mexico	9		

- Country Code for EMEA Tone Setting.

TONE REGION	TONE NO	TONE REGION	TONE NO
Germany	200	Portugal	210
Italy	201	Spain	211
Netherlands (Dutch)	202	Austria	212
Catalan	203	Belgium	213
Denmark	204	UK (United Kingdom)	214
Sweden	205	Greece	215
Poland	206	Swiss	216
Czech	207	South Africa	217
Norwegian	208	Brazil	218
France	209	Not used	219-255

◆ When “TELN (LDM)” is selected in [Line Number Type] field.

[illegible]

Note 2: Multi regional tone setting is available for DtermIP.

◆ When “TELN (NDM)” is selected in [Line Number Type] field.

[illegible]

(b) Digital terminals

[illegible]

ASLU1_T: Assignment of Slumber Time Data 1 – Telephone Number

1. General

This command is used to assign the data related to the Slumber Time - Do Not Disturb service feature. The station data of ASLU1 command can be assigned by using Telephone Number.

2. Precautions

1. Only the Telephone Numbers assigned by the ALGSN command can be used. Telephone Numbers by the ALGSL command are not available in this command.
2. If logging in to a LN, only the Telephone Numbers allocated to the stations within the logged-in node can be used in this command. Also, when logging in to the NCN, data memory of any node in the network can be written.
3. The call terminated to the slumber group is forwarded to an Attendant Console or an Announcement trunk (DAT circuit card) with a predetermined slumber time.
4. The Telephone Number of the station belongs to the slumber group is assigned by this command.
5. The slumber time period and the forwarded destination are assigned by the ASLU2 command.
6. The “G” parameter on this command is intermediate data to assign the ASLU2 command.
7. Denial of the Slumber Time - Do Not Disturb service feature can be assigned by either of the following commands:
 - (a) ARTD command, SLOV=1 is assigned for trunk route
 - (b) ASFC command, SFI=107, RES=1 is assigned for the class of the originating station

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number of the station that belongs to the Slumber Group.

Note: The existing data can be read out by pressing the GET button after UGN and TELN data is entered.

G: Slumber Time Group Number [1-7]

Assign the Slumber Group Number for the station designated by TELN parameter.

Multiple numbers of station can be assigned to a slumber group number.

4. Data Sheet

[illegible]

ASLU2: Assignment of Slumber Time Data 2

1. General

This command assigns the data related to the Slumber Time - Do Not Disturb service feature.

2. Precautions

1. The slumber time period and the forwarded destination are assigned by this command. A maximum of four different time periods can be assigned as the Slumber Time.
2. The “G” parameter corresponds to the one assigned by the ASLU1 command. The station numbers belonging to the slumber group are assigned by the ASLU1 command.
3. Denial of the Slumber Time - Do Not Disturb service feature can be assigned by the following commands:
 - (a) ARTD command, SLOV=1 is assigned for trunk route
 - or
 - (b) ASFC command SFI=107, RES=1 is assigned for the class of the originating station.
4. The AAED command should also be assigned if TFR=2 is assigned.
5. Time data should be assigned as 24 hours a day (military time).
6. When making multiple time data assignments for a specific Slumber Time Group, the time data assigned must not be duplicated.
7. If the slumber service is required 24 hours a day, enter the same time data into the both parameters, FROM HOUR/FROM MINUTE and TO HOUR/TO MINUTE.

3. Data Entry Instructions

G: Slumber Time Group Number [1-7]

Enter the number assigned by the ASLU1 command.

CNT [1-4]

Count of assigned transfer destination and time data.

TFR: Transfer Kind [1/2]

1=Attendant

2=Announcement

Slumber Time Start Time

From Hour [0-23]

From Minute [0-59]

Enter the time period for restricting the incoming call.

Slumber Time End Time**To Hour [0-23]****To Minute [0-59]**

Enter the time period for restricting the incoming call.

4. Data Sheet

SLUMBER TIME GROUP NUMBER (G) 1-7	CNT 1-4	TRANSFER KIND (TFR) 1/2	SLUMBER TIME START TIME		SLUMBER TIME END TIME		REMARKS
			FROM HOUR	FROM MIN- UTE	TO HOUR	TO MINUTE	
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						
	1						
	2						
	3						
	4						

ASPA: Assignment of Special Access Code

1. General

This command determines the kind of service and Access Code to execute.

2. Precautions

1. This command is used for the Business Application. AASP/AGSP commands are used for Hotel Applications.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the tenant number that is affected by this command.

If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b1=1), assign the TN parameter as data "1" for all tenants.

3. The access code for CF-Busy Line and CF-Don't Answer service should be assigned by the ASYD command, SYS1, Index 5, b0=0 (Same) or 1 (Separate).
4. The access code for Call Back and OG Trunk Queuing service should be assigned by the ASYD command, SYS2, Index 4, b0=0 (Separate) or 1 (Same).
5. When assigning the station number, use the command ASPA to assign the access code for stations.

Note: For the station number (Example: 3xxx)

ANPD	1st.: 3	CI: N: Normal & H: Hooking	NND: 4	
ASPA	ACC: 3	CI: N: Normal & H: Hooking	SRV: STN	NND: 4

6. The following shows the rules of NND/NND1 data for Speed Calling-System and Call Park Remote Retrieval.

SERVICE FEATURE	SRV	SID	NND	NND1
Speed Calling - System	SSC	15	NND is the number of digits of Access Code (ACC) + Abbreviated Digit Code (ADC)	NND1 is the number of digits of Abbreviated Digit Code (ADC)
Authorization Code	SSC	42	NND is the number of digits of Access Code (ACC)	—
Call Park Remote Retrieval Code	SSC	63	NND is the number of digits of the Access Code (ACC)	

7. For the following service features, the maximum number of digits is assigned in the parameter NDD.

SERVICE FEATURE	SRV	SID	MAXIMUM NND
Account Dial Code	SSC	41	15
Authorization Code/Forced Account Code	SSC	42	3
Attendant Manual Override	SSC	60	5

8. The variable parameter appears on the MAT depending on the data in the parameter SRV.

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six digits (0-9, *, #)]

CI: Connection Status Index

N : Normal

H : Hooking

B : Busy

SRV: Kind of Service

STN : Station number

SSC : Service Code

SSCA : Service Code Appendix

OGC : Outgoing Call

OGCA : Outgoing Call with route advance

LCR : Least Cost Routing

LCRS : Register Sender LCR

UNIF : Office Termination

ANNC : Announcement Service - Single Announcement

ANNCM : Announcement Service - Multiple Announcement

PAGA : Paging Answer

PAGC : Paging Cancel

- ◆ When SRV=STN (Station number) is assigned:

NND: Necessary Digit

Assign the necessary number of digits for station number (1-5 digits).

- ◆ When SRV=SSC (Service code) is assigned:

SID: Service Index [1-63]

See Table "SID (ASPA)".

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	Number of digits for NND
15 (Speed Calling-System; Access)	Access Code + Abbreviated Digit Code (2-7)
41 (Account Code Dial)	Access Code + Account Code (1-15)
42 (Authorization Code/Forced Account Code/ PAD Lock)	Access Code (1-3)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit for Speed Calling [1-24]

NND1 appears when SID=15. The number of Abbreviated Digit Code (ADC) digits should be assigned in NND1.

SID (ASPA)

SID	SERVICE NAME	SID	SERVICE NAME
1	Call Hold	28	Call Forwarding I'm here; Set
2	Dial Access to Attendant (Operator Call)	29	Call Forwarding I'm here; Cancel
3	Call Back; Entry/ Camp-on By Station	30-34	-
4	Executive Right-of-Way	35	Call Pickup - Direct
5	Call Waiting - Originating	36	-
6	Call Back; Cancel	37	Priority Call 1
7	Call Pickup - Group	38	Priority Call 2
8	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Entry Note 1	39	Priority Call 3
9	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Cancel Note 1	40	Priority Paging
10	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Entry Note 1	41	Account Code Dial
11	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Cancel Note 1	42	Authorization Code/Forced Account Code/ PAD Lock; Set
12	Call Forwarding - Don't Answer/Split Call Forwarding - Don't Answer (for trunk); Entry Note 1	43	Flash Signal Sending to Main office across CAS line
13	Call Forwarding - Don't Answer/Split Call Forwarding - Don't Answer (for trunk); Cancel Note 1	44	Last Number Call
14	Speed Calling - Station; Entry	45	-
15	Speed Calling - System; Access	46	Faulty Trunk Report
16	Trunk Answer from Any Station (TAS)	47	-
17	Individual trunk access	48	Timed Reminder/Automatic Wake-up; Entry
18	-	49	Timed Reminder/Automatic Wake-up; Cancel
19	Outgoing Trunk Queuing; Entry	50-59	-
20	Outgoing Trunk Queuing; Cancel	60	Attendant Manual Override
21	Speed Calling - Station, Group; Access	61	Call Park; Entry
22-27	-	62	Call Park; Local Retrieve
		63	Call Park; Remote Retrieve

Note 1: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this access code is used for Call Forwarding service for Trunk calls. The access codes for Call Forwarding service for Station calls are specified by SRV=SSCA, SIDA 86-89.

- ◆ When SRV=SSCA (Service code appendix) is assigned:

SIDA: Service Index A [1-255]

See Table "SIDA (ASPA)".

NND: Necessary Digit [1-6]

NND appears when SIDA=97 (Call Hold Conference).

The number of digits for an Access Code should be assigned in NND.

SIDA (ASPA)

SIDA	SERVICE NAME
1-40	-
41	Voice Call
42	Message Reminder Dterm
43-45	-
46	Line Load Control from ATTCON; Entry
47	Line Load Control from ATTCON; Cancel
48	Data Privacy on Demand; Entry Note 3
49	Data Privacy on Demand; Cancel
50	UCD Busy Out; Entry Note 6
51	UCD Busy Out; Cancel Note 6
52	-
53	Boss Secretary Override
54	Message Waiting Lamp Setting from ATTCON; Set
55	Message Waiting Lamp Setting from ATTCON; Cancel
56	Guest/Administration Service Note 1
57-62	-
63	Call Pickup Expand
64-65	-
66	Digital Announcement Card Multi-channel Recording; Record
67	-
68	Digital Announcement Card Multi-channel Recording; Retrieve
69	OAI Dial Number Batch Transfer (TMF) Note 4
70-84	-
85	PAD Lock; Cancel
86	Call Forwarding - All Calls; Entry Note 2
87	Call Forwarding - Busy Line; Entry Note 2
88	Call Forwarding - Don't Answer; Entry Note 2
89	Call Forwarding - All Calls; Cancel Note 2
90	Call Forwarding - Busy Line; Cancel Note 2
91	Call Forwarding - Don't Answer; Cancel Note 2
92-95	-
96	Swap (Follow Phone)
97	Call Hold Conference
98	Internal Zone Page.
99	-
100	ID Number Entry for Manual Roaming

SIDA (ASPA)

SIDA	SERVICE NAME
101	Call Forwarding - PS Incoming Incomplete; Set
102	Call Forwarding - PS Incoming Incomplete; Cancel
103	Call Hold Pick Up
104	PAD Lock ID Code; Entry
105	PAD Lock ID Code; Cancel
106	Call Return
107	Account Code Override (North America only)
108	Number Sharing; Entry
109	Number Sharing; Cancel
110	-
111	Call Block (Restricts the last calling party's number; Entry)
112	Call Block (Restricts dialed number; Entry)
113	Call Block; Cancel
114-115	-
116	Call Trace
117	-
118	Calling Party CLIR/CLIP Control
119	PHS Hold
120	Selectable Station Call Pickup
121	Selectable Station Call Pickup Group
122	-
123	IP Enabled Dterm Password Entry
124	PS/Softphone Call Park - Hold
125	PS/Softphone Call Park - Retrieve
126	Call Block List ON (North America only)
127	Call Block List OFF (North America only)
128	Call Block Last Number Set (North America only)
129	Call Block Set (North America only)
130	Call Block-Delete All/Anonymous Call Block-ON (North America only)
131	Anonymous Call Block ON (North America only)
132	Anonymous Call Block OFF (North America only)
133	Distinctive Ringing List-Set/Cancel (North America only)
134	Expanded Speed Calling; Entry
135	Expanded Speed Calling; Access
136	Call Forwarding-Logout; Entry/ Call Forwarding-Logout (Trunk); Entry Note 5
137	Call Forwarding-Logout; Cancel/ Call Forwarding-Logout (Trunk); Cancel Note 5
138	Call Forwarding-Logout (station); Entry Note 2
139	Call Forwarding-Logout (station); Cancel Note 2
140	Message Audible Alert; Entry (North America only)
141	Message Audible Alert; Cancel (North America only)
142	MA-ID Setting

SIDA (ASPA)

SIDA	SERVICE NAME
143	Multi Internal Zone Paging
144	Split Call Forwarding - Incoming Incomplete; Set (for Station)
145	Split Call Forwarding - Incoming Incomplete; Cancel (for Station)
146	Call Park Deluxe Hold: Hold-1/Retrieval-1
147	Call Park Deluxe Hold: Hold-2/Retrieval-2
148	Call Park Deluxe Hold: Hold-3/Retrieval-3
149	Call Park Deluxe Hold: Hold-4/Retrieval-4
150	Call Park Deluxe Hold: Hold-5/Retrieval-5
151	Malicious Call Trace; Entry
152	-
153	Mobility Access; Entry
154	Mobility Access; Cancel
155-162	-
163	Assisted Conference Access Code
164	Boss Absent: Set Note 7
165	Boss Absent: Cancel Note 7
166	Multi-Boss/Multi-Secretary Away per Boss: Set
167	Multi-Boss/Multi-Secretary Away per Boss: Set
168-170	-
171	Line Information Change Display
172-255	-

Note 1: For detailed information about Hotel Service, refer to the AASP command.

Note 2: This data is valid for Call Forwarding service when Split Call Forwarding is in service. (The command ASYD, SYS1, Index 79, b2=1.)

Note 3: This data can be set when the connection Status Index (CI) = Normal (N).

Note 4: For assigning OAI Dial Number Batch Transfer (TMF), be sure to set the number of digits (maximum three digits) of the OAI access code to Necessary Number of Digits (NND).

Note 5: This data varies due to the ASYD, SYS1, Index 79, b2 setting. When b2=1 (Split Call Forwarding is in service), Call Forwarding-Logout for incoming trunk call is available.

Note 6: In MULTI-BOSS/MULTI-SECRETARY [M-120] feature, when setting/canceling from a Boss' Terminal, this data becomes Boss Absent. When setting/canceling from a Secretary's Terminal, this data becomes Secretary Absent.

Note 7: This data is effective only when setting/canceling Boss Absent from a Secretary's Terminal to a Boss' Terminal.

Note: This feature is only available in the EMEA area.

- ◆ When SRV=OGC (Outgoing call) is assigned:

RT: External Route Number [1-255]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

CNT: Index Counter

CNT is the route advance order

RT: External Route Number [1-255]

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

RT: External Route Number [1-255]

Assign a dummy route number.

2nd DT: Second Dial Tone [0-2]

Second Dial Tone sending (that is sent when a station has dialed the digits specified in NND of the ANPD command)

- 0 : -
Second DT is not sent.
- 1 : 2nd DT
Second DT is sent.
- 2 : Not used
(Used in Japan only.)

AH: Authorization Code Dialing [0/1]

Authorization code after dialing ACC (LCR) + Destination number

- 0 : Out of Service
- 1 : In Service

SUB: Sub Address Dialing [0/1]

ISDN Sub Address Dialing

- 0 : Out of Service
- 1 : In Service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digit [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE command.

◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. See Table "EQP Parameter".

EQP Parameter

DATA	MEANING	DATA	MEANING
0	Dead Level Number	33	Not used
1	Unused Number	34	Automated Attendant (First Announcement)
2	Remote Access to Node	35	Automated Attendant (Second Announcement)
3	May be used for other purposes	36	Slumber Time - Do Not Disturb (for Slumber Time Group 1)
4	Outgoing Trunk Busy Announcement	37	Slumber Time - Do Not Disturb (for Slumber Time Group 2)
5-14	May be used for other purposes Note 8	38	Slumber Time - Do Not Disturb (for Slumber Time Group 3)
15	Alert Service (for Hotel system)	39	Slumber Time - Do Not Disturb (for Slumber Time Group 4)
16	Timed Reminder Set Message (for Business system)	40	Slumber Time - Do Not Disturb (for Slumber Time Group 5)
17	Service Set-up Failure Message (for Hotel system)	41	Slumber Time - Do Not Disturb (for Slumber Time Group 6)
18	Timed Reminder Cancel Message (for Business system)/Service Cancel Message (for Hotel Message)	42	Slumber Time - Do Not Disturb (for Slumber Time Group 7)
19	Service Cancel Failure Message (for Hotel system)	43-48	Not used
20	Room Cut-Off Announcement (for Hotel system)	49-53	Delay Announcement Attendant (First Announcement)
21	Do Not Disturb Announcement (for Hotel system)	54-58	Delay Announcement Attendant (Second Announcement)
22	Timed Reminder/Wake-up Call Message for Announcement Trunk	59-121	Not used
23-31	Group Announcement (for Hotel system)	122-125	Multiple Announcement
32	Delay Announcement-Attendant (U.S.A./Canada only)	126-127	Not used

Note 8: EQP3 and 5-14 can be used for SRV=ANNC (Announcement Service).

- ◆ When SRV=ANNCM (Announcement Service - Multiple Announcement) is assigned:

TN ANNC: Tenant Number

Assign the tenant number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range of 122 to 125 (Multi announcement).

- ◆ When SRV= PAGA (Paging answer)/PAGC (Paging cancel) is assigned:

RT: External Route Number [1-255]

4. Data Sheet

(a) Station (SRV=STN)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS Note 1	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	NUMBER OF NECESSARY DIGITS (NND) 1 – 5	REMARKS
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			
		N	Normal	(STN)		
		H	Hooking			

Note 1: Maximum number of digits for station is five.

(b) Service code (SRV=SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 2	SERVICE CONTENTS
		H	Hooking	SSC	1		Call Hold
		N	Normal	SSC	2		Dial Access to Attendant (Information Service Call)
		H	Hooking				
		B	Busy	SSC	3		Call Back; Entry
		H	Hooking				Camp on By Station
		B	Busy	SSC	4		Executive Right of Way
		N	Normal	SSC	5		Call Waiting – Originating
		B	Busy				
		N	Normal	SSC	6		Call Back; Cancel
		N	Normal	SSC	7		Call Pickup – Group
		N	Normal	SSC	8		CF – All Calls/Split CF – All Calls; Entry Note 3
		N	Normal	SSC	9		CF – All Calls/Split CF – All Calls; Cancel Note 3
		N	Normal	SSC	10		CF – Busy Line/Split CF – Busy Line; Entry Note 3
		N	Normal	SSC	11		CF – Busy Line/Split CF – Busy Line; Cancel Note 3
		N	Normal	SSC	12		CF – Don't Answer/Split CF – Don't Answer; Entry Note 3
		N	Normal	SSC	13		CF – Don't Answer/Split CF – Don't Answer; Cancel Note 3
		N	Normal	SSC	14		Speed Calling – Station; Entry
		N	Normal	SSC	15		Speed Calling – System; Access
		N	Normal	SSC	16		Trunk Answer from Any Station (TAS)
		N	Normal	SSC	17		Individual Trunk Access
					18		Not used

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 2	SERVICE CONTENTS
		B	Busy	SSC	19	OG Trunk Queuing; Entry
		N	Normal	SSC	20	OG Trunk Queuing; Cancel
		N	Normal	SSC	21	Speed Calling – Station, Group; Access
				22 27		Not used
		N	Normal	SSC	28	Call Forwarding I'm Here; Set
		N	Normal	SSC	29	Call Forwarding I'm Here; Cancel
				30 34		Not used
		N	Normal	SSC	35	Call Pickup – Direct
				36		Not Used
		N	Normal	SSC	37	Priority Call 1
		H	Hooking			
		N	Normal	SSC	38	Priority Call 2
		H	Hooking			
		N	Normal	SSC	39	Priority Call 3
		H	Hooking			
		N	Normal	SSC	40	Priority Paging
		N	Normal	SSC	41	Account Code Dial
		H	Hooking			
		N	Normal	SSC	42	Authorization Code/Forced Account Code/PAD Lock; Set
		H	Hooking			
		H	Hooking	SSC	43	Flash Signal Sending to Main office across CAS Line
		N	Normal	SSC	44	Last Number Call
				45		Not Used
		H	Hooking	SSC	46	Faulty Trunk Report

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 2	SERVICE CONTENTS
					47		Not used
		N	Normal	SSC	48		Timed Reminder/Automatic Wake-Up; Entry
		N	Normal	SSC	49		Timed Reminder/Automatic Wake-Up; Cancel
					50 59		Not used
		N	Normal	SSC	60		Attendant Manual Override
		H	Hooking	SSC	61		Call Park; Entry
		N	Normal	SSC	62		Call Park; Local Retrieve
		N	Normal	SSC	63		Call Park; Remote Retrieve

Note 2: The available numbers of necessary digits vary depending on the parameter SID.

Note 3: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this access code is used for Call Forwarding for Trunk calls.

(c) Service code Appendix (SRV=SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 – 255	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
					1 2 40		Not used
		H	Hooking	SSCA	41		Voice Call
		B	Busy	SSCA	42		Message Reminder (Dterm)
		H	Hooking				
					43 2 45		Not used
		N	Normal	SSCA	46		Line Load Control from the ATTCON; Entry
		N	Normal	SSCA	47		Line Load Control from the ATTCON; Cancel
		N	Normal	SSCA	48		Data Privacy on Demand; Entry
		H	Hooking				Note: This data can be set for CI=N (Normal).
		H	Hooking	SSCA	49		Data Privacy on Demand; Cancel
		N	Normal	SSCA	50		UCD Busy Out; Entry
		N	Normal	SSCA	51		UCD Busy Out; Cancel
					52		Not Used
		N	Normal	SSCA	53		Boss Secretary Override
		N	Normal	SSCA	54		Message Waiting Lamp Setting from ATTCON; Set
		N	Normal	SSCA	55		Message Waiting Lamp Setting from ATTCON; Cancel
					56 2 62		Not used
		N	Normal	SSCA	63		Call Pickup Expand
					64		Not used
					65		
		N	Normal	SSCA	66		Digital Announcement Card Multi-channel Re- cording; Record

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 – 255	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
					67		Not used
		N	Normal	SSCA	68		Digital Announcement Card Multi-channel Recording: Retrieve
		N	Normal	SSCA	69		OAI Dial Number Batch Transfer (TMF)
		H	Hooking				
					70~84		Not used
		N	Normal	SSCA	85		PAD Lock; Cancel
		N	Normal	SSCA	86		CF – All Calls; Entry Note 4
		N	Normal	SSCA	87		CF – Busy Line; Entry Note 4
		N	Normal	SSCA	88		CF – Don't Answer; Entry Note 4
		N	Normal	SSCA	89		CF – All Calls; Cancel Note 4
		N	Normal	SSCA	90		CF – Busy Line; Cancel Note 4
		N	Normal	SSCA	91		CF – Don't Answer; Cancel Note 4
					92~95		Not used
		N	Normal	SSCA	96		Follow Phone
		H	Hooking	SSCA	97		Call Hold Conference
		N	Normal	SSCA	98		Internal Zone Page
		H	Hooking	SSCA			
					99		Not used
		N	Normal	SSCA	100		ID Number Entry for Manual Roaming
					101~102		Not used
		N	Normal	SSCA	103		Call Hold Pickup
		N	Normal	SSCA	104		PAD Lock ID Code; Entry
		N	Normal	SSCA	105		PAD Lock ID Code; Cancel
		N	Normal	SSCA	106		Call Return
Note 4: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this access code is used for Call Forwarding for Station calls.							

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 – 255	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSCA	107		Account Code Override
		N	Normal	SSCA	108		Number Sharing; Entry
		N	Normal	SSCA	109		Number Sharing; Cancel
					110		Not used
		N	Normal	SSCA	111		Call Block (restricts the last Calling party's number); Entry
		N	Normal	SSCA	112		Call Block (restricts the di- aled number); Entry
		N	Normal	SSCA	113		Call Block; Cancel
					114 ~ 115		Not used
		N	Normal		116		Call Trace
					117		Not used
		N	Normal	SSCA	118		Calling Party CLIR/CLIP Control
					119		Not used
		N	Normal	SSCA	120		Selectable Station Call Pickup
		N	Normal	SSCA	121		Selectable Station Call Pickup Group
					122		Not used
		N	Normal	SSCA	123		IP Enabled Dterm Password Entry
					124 ~ 125		Not used
		N	Normal		126		Call Block List ON
		N	Normal		127		Call Block List OFF
		N	Normal		128		Call Block Last Number Set
		N	Normal		129		Call Block Set
		N	Normal		130		Call Block-Delete All/ Anonymous Call Block-ON
		N	Normal		131		Anonymous Call Block- OFF
					132		Not used
		N	Normal		133		Distinctive Ringing List- Set/Cancel

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 – 255	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSCA	134		Expanded Speed Calling; Entry
		N	Normal	SSCA	135		Expanded Speed Calling; Access
		N	Normal	SSCA	136		Call Forwarding-Logout (Trunk); Entry
		N	Normal	SSCA	137		Call Forwarding-Logout (Trunk); Cancel
		N	Normal	SSCA	138		Call Forwarding-Logout (Station); Entry
		N	Normal	SSCA	139		Call Forwarding-Logout (Station); Cancel
					140		Message Audible Alert; En- try (North America only)
		N	Normal	SSCA	141		Message Audible Alert; Entry(North America only)
		N	Normal	SSCA	142		MA-ID Setting
					143~145		Not used
		N	Normal	SSCA	146		Call Park Deluxe Hold: Re- trieval-1
		H	Hooking	SSCA			Call Park Deluxe Hold: Hold-1
		N	Normal	SSCA	147		Call Park Deluxe Hold: Re- trieval-2
		H	Hooking	SSCA			Call Park Deluxe Hold: Hold-2
		N	Normal	SSCA	148		Call Park Deluxe Hold: Re- trieval-3
		H	Hooking	SSCA			Call Park Deluxe Hold: Hold-3
		N	Normal	SSCA	149		Call Park Deluxe Hold: Re- trieval-4
		H	Hooking	SSCA			Call Park Deluxe Hold: Hold-4
		N	Normal	SSCA	150		Call Park Deluxe Hold: Re- trieval-5
		H	Hooking	SSCA			Call Park Deluxe Hold: Hold-5
		H	Hooking	SSCA	151		Malicious Call Trace; Entry
					152		Not used
		N	Normal	SSCA	153		Mobility Access; Entry

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 – 255	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSCA	154		Mobility Access; Cancel
					155~162		Not used
		N	Normal	SSCA	163		Assisted Conference Access Code
					164~255		Not used

(d) Outgoing Call (SRV=OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL ROUTE NUMBER (RT)	REMARKS
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			

(e) Outgoing Call With Route Advance (SRV=OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (CNT)	EXTERNAL ROUTE NUMBER (RT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(f) Least Cost Routing (SRV=LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL ROUTE NUMBER (RT)	SECOND DIAL TONE (2nd. DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(g) Register Sender LCR (SRV=LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL ROUTE NUMBER (RT)	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					

(h) Office Termination (SRV=UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 – 5	REMARKS
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			

(i) Announcement Service (SRV=ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 – 127	REMARKS
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			

(j) Announcement Service-Multiple Announcement (SRV=ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN ANNC)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 – 125	REMARKS
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				

(k) Paging Answer (SRV=PAGA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL ROUTE NUMBER (RT)	REMARKS
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			

(I) Paging Cancel (SRV=PAGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL ROUTE NUMBER (RT)	REMARKS
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			

ASPAL: Assignment of Special Access Code for LDM

1. General

This command determines the kind of service and the service Access Code executed on the Local Node (LN) in the FCCS Network.

2. Precautions

1. This command is used for the Business/Hotel (for administration station only) Application.
2. Access Code for Telephone numbers may be programmed by this command, however, those Telephone numbers are available in the self node only.

Telephone numbers available within the FCCS Network are programmed at Network Control Node (NCN) using the ANPDN and ASPAN commands. For more details, see the Data Programming Manual - FCCS.

3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the tenant number this command affects.
If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b1=1), assign TN parameter as data "1" for all tenants.
4. When changing the tenant table development in FCCS network from separate to common, and vice versa, delete all the ASPAL/ASPAN data on NCN and delete all the ASPAL data on each LN as well.
5. When assigning the Access Code for Telephone numbers using more than one tenant, the valid value for NND will be the one of the last assigned tenant.

Example:

- 1) TN: 1, ACC: 21, CI: N, SRV: TELN and NND: 5 are assigned with ASPAL/ASPAN command.
- 2) TELN: 21000 is assigned with ALGSL/ALGSN command.
- 3) TN: 2, ACC: 2, CI: N, SRV: TELN and NND: 4 are assigned with ASPAL/ASPAN command.
- 4) TELN: 2000 is assigned with ALGSL/ALGSN command.
- 5) Try to get the data for TELN: 21000 with ALGSL/ALGSN command.

Because the valid NND value is 4 (the last assigned) and the NND value for 21000 is 5, TELN: 21000 data cannot be obtained and an error message will be displayed

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six digits (0-9, *, #)]

CI: Connection Status Index

N : Normal

H : Hooking

B : Busy

SRV: Kind of Service

SSC : Service Code

SSCA : Service Code Appendix

OGC : Outgoing Call

OGCA : Outgoing Call with route advance

LCR : Least Cost Routing

LCRS : Register Sender LCR

UNIF : Office Termination

ANNC : Announcement Service - Single Announcement

ANNCM : Announcement Service - Multiple Announcement

PAGA : Paging Answer

PAGC : Paging Cancel

TELN : Telephone Number **Note 1**

Note 1: Telephone Number available in the self node only.

- ◆ When SRV=SSC (Service code), except SID 36, 56 and 57 is assigned:

SID: Service Index [1-63]

See Table "SID (ASPAL)" on the next page.

FPC: Fusion Point Code [1-253]

FPC appears when the following SID is entered.

SID	NUMBER OF FPC
2 (Dial Access to Attendant; Operator Call)	1-253
37 (Priority Call 1)	1-253
38 (Priority Call 2)	1-253
39 (Priority Call 3)	1-253

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	NUMBER OF DIGITS FOR NND
15 (Speed Calling-System; Access)	Access Code + Abbreviated Digit Code (2-7)
41 (Account Code Dial)	Access Code + Account Code (1-15)
42 (Authorization Code/Forced Account Code/PAD Lock)	Access Code (1-3)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit for Speed Calling [1-24]

NND1 appears when SID=15. The number of Abbreviated Digit Code (ADC) digits should be assigned in NND1 (maximum four digits).

SID (ASPAL)

SID	SERVICE NAME	SID	SERVICE NAME
1	Call Hold	30-34	-
2	Dial Access to Attendant (Operator Call)	35*	Call Pickup - Direct
3	Call Back; Entry/ Camp-on By Station	36	Hotel Service
4	Executive Right-of- Way	37*	Priority Call 1
5	Call Waiting - Originating	38*	Priority Call 2
6	Call Back; Cancel	39*	Priority Call 3
7	Call Pickup	40	-
8*	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Entry Note 2	41*	Account Code Dial
9	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Cancel Note 2	42*	Authorization Code/Forced Account Code/ PAD Lock; Set
10*	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Entry Note 2	43	Flash Signal Sending to Main Office across CAS line
11	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Cancel Note 2	44	Last Number Call
12*	Call Forwarding - Don't Answer/Split Call Forwarding - Don't Answer (for trunk); Entry Note 2	45	-
13	Call Forwarding - Don't Answer/Split Call Forwarding - Don't Answer (for trunk); Cancel Note 2	46	Faulty Trunk Report
14*	Speed Calling - Station; Entry	47	-
15*	Speed Calling - System; Access	48	Timed Reminder/Automatic Wake-up; Entry
16	-	49	Timed Reminder/Automatic Wake-up; Cancel
17*	Individual trunk access	50-55	-
18	-	56	Floor Service
19	Outgoing Trunk Queuing; Entry	57	Split Access (Same Number Access)
20	Outgoing Trunk Queuing; Cancel	58, 59	Not used
21*	Speed Calling - Station, Group; Access	60*	Attendant Manual Override
22-27	-	61	Call Park; Entry
28	Call Forwarding I'm here; Set	62	Call Park; Local Retrieve
29	Call Forwarding I'm here; Cancel	63	Call Park; Remote Retrieve

Note 2: When Split Call Forwarding is in service (the command ASYDN, SYS1, Index 79, b2=1), this Access Code is used for Call Forwarding service for Trunk calls. The Access Codes for Call Forwarding service for Station calls are specified by SRV=SSCA SIDA 86-89.

Note: The Access Code for the services marked “*” must be assigned with the same number of digits if the Access Code begins using the same number. A different number of digits for the Access Codes cannot be assigned (i.e., Access Code “100” and “10” cannot co-exist) in these services.

◆ When SRV=SSC (Service code), SID 36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

1=Cleaned without ID code
 2=Cleaning Completed without ID code
 3=Ready for Occupancy without ID code
 4=Use Restricted without ID code
 5-8=-
 9=Maid Dial Answer Back without ID code-1
 10=Maid Dial Answer Back without ID code-2
 11=Maid Dial Answer Back without ID code-3
 12=Maid Dial Answer Back without ID code-4
 13=Maid Dial Answer Back without ID code-5
 14=Maid Dial Answer Back without ID code-6
 15=Maid Dial Answer Back without ID code-7
 16=-
 17=Cleaned with ID code
 18=Cleaning Completed with ID code
 19=Ready for Occupancy with ID code
 20=Use Restricted with ID code
 21-24=-
 25=Maid Dial Answer Back with ID code-1
 26=Maid Dial Answer Back with ID code-2
 27=Maid Dial Answer Back with ID code-3
 28=Maid Dial Answer Back with ID code-4
 29=Maid Dial Answer Back with ID code-5
 30=Maid Dial Answer Back with ID code-6
 31=Maid Dial Answer Back with ID code-7
 32=-
 33=Automatic Wake-up Setting, Cancel; Same Special code
 34=For guest station Secretary Telephone; Boss/Secretary Calling
 35=Boss/Secretary Busy out; Set
 36=Boss/Secretary Busy out; Cancel
 37=-
 38=Automatic Wake-up-Hotel Attendant Assistance Stop
 39=Automatic Wake-up-Hotel Attendant Assistance Stop Cancel
 40=Alert Service Start (Hotel ATT)
 41=Alert Service Stop (Hotel ATT)
 42=Guest Service Telephone Screen Initialized
 43=Guest Service Telephone Guest Room Information Retrieval

44=Direct Data Entry-Station (via guest station)
 45=Alert Service Start (Special Administration station)
 46=Alert Service Stop (Special Administration station)
 47=-
 48=Second Wake-up Call (Automatic) Set
 49=Second Wake-up Call (Semi-Automatic) Set
 50=Second Wake-up Call Cancel
 51=Same Special Code Time Zone Connection Change
 52=Same Special Code Time Zone Connection Change
 53=Same Special Code Time Zone Connection Change
 54=Same Special Code Time Zone Connection Change
 55=Same Special Code Time Zone Connection Change
 56-62=-
 63=Dummy Number
 64-69=-
 70=Search the Guest Room Information Code

Note: STATE=1-15 are used at the time Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.

Note: STATE=17-31 are used at the time Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

- ◆ When SRV=SSC (Service code), SID=56 (Floor Service) is assigned:

SID: Service Index [1-63]

SID=56

NO.1: Kind of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD, SYS1, Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSC (Service code), SID=57 (Split Access) is assigned:

SID: Service Index [1-63]

SID=57

NO.2: Kind of Assignment Number [0-63]

This parameter specifies the number (0-63) of the Access Code being assigned for mutual access. This parameter serves as a counter for the access codes being assigned.

Note: This parameter is used when assigning the details of the service by the ASPS command.

KIND: Kind of Function [0-3]

This parameter specifies the Split Access Parameter Classification. The data assigned here depends on how the guest and administration stations are differentiated.

The guest and administration stations may be assigned to separate TNs, RSCs, and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

0=Administration/Guest (Assign this if the Access Code is to be shared between Guest and Administration with no correspondence to TN, RSC or SFC.)

1=TN (Assign this if the Access Code is to be shared among specified TNs)

2=RSC (Assign this if the Access Code is to be shared among specified RSCs)

3=SFC (Assign this if the Access Code is to be shared among specified SFCs)

Note: For detailed information on Hotel Service, refer to the AASP command.

◆ When SRV=SSCA (Service code appendix) is assigned:

SIDA: Service Index A [1-255]

See Table "SIDA (ASPAL)".

NND: Necessary Digit [1-6]

NND appears when SIDA=97 (Call Hold Conference).

The number of digits for an access code should be assigned in NND.

SIDA (ASPAL)

SIDA	SERVICE NAME
1-40	-
41	Voice Call
42	Message Reminder (Dterm)
43-45	-
46	Line Load Control from ATTCN; Entry
47	Line Load Control from ATTCN; Cancel
48	Data Privacy on Demand; Entry Note 6
49	Data Privacy on Demand; Cancel
50*	UCD Busy Out; Entry Note 8
51*	UCD Busy Out; Cancel Note 8
52	-
53	Boss Secretary Override
54*	Message Waiting Lamp Setting from ATTCN; Set
55*	Message Waiting Lamp Setting from ATTCN; Cancel
56	Guest/Administration Service Note 3
57-62	-
63	Call Pickup Expand
64-65	-
66	Digital Announcement Card Multi-channel Recording; Record
67	-
68*	Digital Announcement Card Multi-channel Recording Retrieve
69	OAI Dial Number Batch Transfer (TMF) Note 5
70-84	-
85*	PAD Lock; Cancel
86*	Call Forwarding-All Calls; Entry Note 4
87*	Call Forwarding-Busy Line; Entry Note 4
88*	Call Forwarding-Don't Answer; Entry Note 4
89	Call Forwarding-All Calls; Cancel Note 4
90	Call Forwarding-Busy Line; Cancel Note 4
91	Call Forwarding-Don't Answer; Cancel Note 4

SIDA (ASPAL)

SIDA	SERVICE NAME
92-95	-
96	Swap (Follow Phone)
97*	Call Hold conference
98	Internal Zone Paging; Originate
99	-
100	ID Number Entry for Manual Roaming
101	Call Forwarding - PS Incoming Incomplete: Set
102	Call Forwarding - PS Incoming Incomplete: Cancel
103	Call Hold Pickup
104	PAD Lock ID Code; Entry
105	PAD Lock ID Code; Cancel
106	Call Return
107	Account Code Override
108	Number Sharing; Entry
109	Number Sharing; Cancel
110	-
111	Call Block (restricts the last calling party's number); Entry
112	Call Block (restricts the dialed number); Entry
113	Call Block; Cancel
114-115	-
116	Call Trace
117	-
118	Calling Party CLIR/CLIP Control
119	PHS Hold
120	Selectable Station Call Pickup
121	Selectable Station Call Pickup Group
122	-
123	IP Enabled Dterm Password Entry
124	PS/Softphone Call Park - Hold
125	PS/Softphone Call Park - Retrieve
126	Call Block List ON (North America only)
127	Call Block List OFF (North America only)
128	Call Block Last Number Set (North America only)
129	Call Block Set (North America only)
130	Call Block-Delete All/Anonymous Call Block (North America only)
131	Anonymous Call Block ON (North America only)
132	Anonymous Call Block OFF (North America only)
133	Distinctive Ringing List-Set/Cancel (North America only)
134	Expanded Speed Calling; Entry
135	Expanded Speed Calling; Access
136	Call Forwarding-Logout; Entry/ Call Forwarding-Logout (Trunk); Entry Note 7
137	Call Forwarding-Logout; Cancel/ Call Forwarding-Logout (Trunk); Cancel Note 7
138	Call Forwarding-Logout (station); Entry Note 4
139	Call Forwarding-Logout (station); Cancel Note 4

SIDA (ASPAL)

SIDA	SERVICE NAME
140	Message Audible Alert; Entry (North America only)
141	Message Audible Alert; Cancel (North America only)
142	MA-ID Setting
143	Multi Internal Zone Paging
144	Split Call Forwarding - Incoming Incomplete; Set (for Station)
145	Split Call Forwarding - Incoming Incomplete; Cancel (for Station)
146	Call Park Deluxe Hold: Hold-1/Retrieval-1
147	Call Park Deluxe Hold: Hold-2/Retrieval-2
148	Call Park Deluxe Hold: Hold-3/Retrieval-3
149	Call Park Deluxe Hold: Hold-4/Retrieval-4
150	Call Park Deluxe Hold: Hold-5/Retrieval-5
151	Malicious Call Trace; Entry
152	-
153	Mobility Access; Entry
154	Mobility Access; Cancel
155-162	-
163	Assisted Conference Access Code
164	Boss Absent: Set Note 9
165	Boss Absent: Cancel Note 9
166	Multi-Boss/Multi-Secretary Away per Boss: Set
167	Multi-Boss/Multi-Secretary Away per Boss: Cancel
168-170	-
171	Line Information Change Display
172-255	-

Note 3: For detailed information about Hotel Service, refer to the AASP command.

Note 4: This data is valid for Call Forwarding service when Split Call Forwarding is in service (command ASYD, SYS1, Index 79, b2=1).

Note 5: For assigning OAI Dial Number Batch Transfer (TMF), be sure to set the number of digits (maximum three digits) of the OAI access code to Necessary Number of Digits (NND).

Note 6: This data can be set when the Connection Status Index (CI) = Normal (N).

Note 7: The data varies due to the ASYD, SYS1, Index 79, b2 setting. When b2=1 (Split Call Forwarding is in service), Call Forwarding-Logout for incoming trunk call is available.

Note 8: In MULTI-BOSS/MULTI-SECRETARY [M-120] feature, when setting/canceling from a Boss' Terminal, this data becomes Boss Absent. When setting/canceling from a Secretary's Terminal, this data becomes Secretary Absent.

Note 9: This data is effective only when setting/canceling Boss Absent from a Secretary's Terminal to a Boss' Terminal.

Note: The Access Code for the services marked “*” must be assigned with the same number of digits if the Access Code begins using the same number. A different number of digits for Access Codes cannot be assigned (i.e., Access Code “100” and “10” cannot co-exist) in these services.

Note: This feature is only available in the EMEA area.

- ◆ When SRV= OGC (Outgoing call) is assigned:

LGRT: External Logical Route Number [1-899]

Assign External Logical Route Number. When the system is configured as a standalone, specify the Physical Route Number (RT).

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

CNT: Index Counter

CNT is the route advance order

LGRT: External Logical Route Number [1-899]

Assign External Logical Route Number. When the system is configured as a standalone, specify the Physical Route Number (RT).

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

LGRT: External Logical Route Number [1-899]

Assign Logical Route Number. When the system is configured as a standalone, specify the Physical Route Number (RT).

2nd DT: Second Dial Tone [0-2]

Second Dial Tone sending (sent when a station has dialed the digits specified in NND of the ANPDL command)

- 0 : -
Second DT is not sent.
- 1 : 2nd DT
Second DT is sent.
- 2 : Not used
(Used in Japan only.)

AH: Authorization Code Dialing [0/1]

Authorization code after dialing ACC (LCR) + Destination number

- 0 : Out of Service
- 1 : In Service

SUB: Sub Address Dialing [0/1]

ISDN Sub Address Dialing

0 : Out of Service
1 : In Service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digit [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE/AUNEL command.

- ◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. See Table "EQP Parameter".

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN ANNC: Tenant Number

Assign the tenant number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range of 122 to 125 (Multi-announcement).

- ◆ When SRV= PAGA (Paging Answer)/PAGC (Paging Cancel) is assigned:

LGRT: External Logical Route Number [1-899]

Assign External Logical Route Number. When the system is configured as a standalone, specify the Physical Route Number (RT).

- ◆ When SRV=TELN (Telephone Number) is assigned:

NND: Maximum Number of Digit [1-16]

Note: This Telephone Number is available to make and receive a call with in the self-node only. If the Telephone Number is used within the FCCS Network, assign it at Network Control Node (NCN) using the ASPAN command.

4. Data Sheet

(a) Service Code (SRV=SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 1	SERVICE CONTENTS
		H	Hooking	SSC	1		Call Hold
		N	Normal	SSC	2		Dial Access to Attendant (Operator Call) Note 4
		H	Hooking				
		B	Busy	SSC	3		Call Back; Entry
		H	Hooking				Camp on By Station
		B	Busy	SSC	4		Executive Right-of-Way
		N	Normal	SSC	5		Call Waiting - Originating
		B	Busy				
		N	Normal	SSC	6		Call Back; Cancel
					7		Not used
		N	Normal	SSC	8		CF - All Calls/Split CF - All Calls; Entry Note 2
		N	Normal	SSC	9		CF - All Calls/Split CF - All Calls; Cancel Note 2
		N	Normal	SSC	10		CF - Busy Line/Split CF - Busy Line; Entry Note 2
		N	Normal	SSC	11		CF - Busy Line/Split CF - Busy Line; Cancel Note 2
		N	Normal	SSC	12		CF - Don't Answer/Split CF - Don't Answer; Entry Note 2
		N	Normal	SSC	13		CF - Don't Answer/Split CF - Don't Answer; Cancel Note 2
		N	Normal	SSC	14		Speed Calling - Station; Entry
		N	Normal	SSC	15		Speed Calling - System; Access Note 3
					16		Not used
		N	Normal	SSC	17		Individual Trunk Access
					18		Not used

Note 1: The parameter may vary depending on the service.

Note 2: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this access code is used for Call Forwarding for Trunk calls.

Note 3: When Speed Calling-System; Access is assigned, NND1 parameter assignment is required in addition to the NND parameter.

Note 4: Fill in the FPC in place of the parameter NND.

(a) Service Code (SRV=SSC) (Continued)

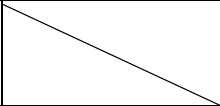
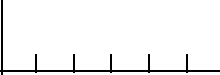
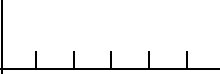
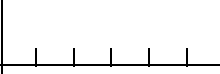
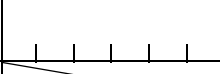
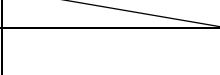
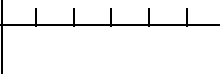
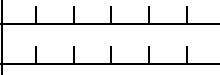
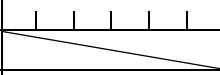
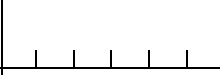
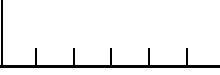
TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 5 Note 6	SERVICE CONTENTS
	_____	B	Busy	SSC	19		OG Trunk Queuing; Entry
	_____	N	Normal	SSC	20		OG Trunk Queuing; Cancel
	_____	N	Normal	SSC	21		Speed Calling - Station, Group; Access
	_____				22 ~ 27		Not used
	_____	N	Normal	SSC	28		Call Forwarding I'm Here; Set
	_____	N	Normal	SSC	29		Call Forwarding I'm Here; Cancel
	_____				30 ~ 34		Not used
	_____	N	Normal	SSC	35		Call Pickup - Direct
	_____	N	Normal	SSC	36		Hotel Service
	_____	N	Normal	SSC	37		Priority Call 1 Note 7
	_____	H	Hooking				
	_____	N	Normal	SSC	38		Priority Call 2 Note 7
	_____	H	Hooking				
	_____	N	Normal	SSC	39		Priority Call 3 Note 7
	_____	H	Hooking				
	_____				40		Not used
	_____	N	Normal	SSC	41		Account Code Dial
	_____	H	Hooking				
	_____	N	Normal	SSC	42		Authorization Code/Forced Account Code/PAD Lock; Set
	_____	H	Hooking				
	_____	H	Hooking	SSC	43		Flash Signal Sending to Main office across CAS Line
	_____	N	Normal	SSC	44		Last Number Call
	_____				45		Not Used
	_____	H	Hooking	SSC	46		Faulty Trunk Report

Note 5: The parameter may vary depending on the service.**Note 6:** The available number of necessary digits vary depending on the parameter SID.**Note 7:** Fill in the FPC in place of the parameter NND.

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 - 63	MAID STATUS (STATE) 1 - 63	SERVICE CONTENTS
		N	Normal	SSC	36	1	To be cleaned without ID Code
						2	Cleaned without ID Code
						3	Ready for Occupancy without ID Code
						4	Use Not Allowed without ID Code
						5	Not used
						8	
						9	Maid Dial Answer Back without ID Code-1
						10	Maid Dial Answer Back without ID Code-2
						11	Maid Dial Answer Back without ID Code-3
						12	Maid Dial Answer Back without ID Code-4
						13	Maid Dial Answer Back without ID Code-5
						14	Maid Dial Answer Back without ID Code-6
						15	Maid Dial Answer Back without ID Code-7
						16	Not used
						17	To be cleaned with ID code
						18	Cleaned with ID Code
						19	Ready for Occupancy with ID Code
						20	Use Not Allowed with ID Code

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 - 63	MAID STATUS (STATE) 1 - 63	SERVICE CONTENTS
		N	Normal	SSC	36	21 22 24	Not used
						25	Maid Dial Answer Back with ID Code-1
						26	Maid Dial Answer Back with ID Code-2
						27	Maid Dial Answer Back with ID Code-3
						28	Maid Dial Answer Back with ID Code-4
						29	Maid Dial Answer Back with ID Code-5
						30	Maid Dial Answer Back with ID Code-6
						31	Maid Dial Answer Back with ID Code-7
						32	Not used
						33	Automatic Wake-Up Setting, Cancel; Same Special Code
						34	For guest station Secretary Telephone; Boss/Secretary
						35	Not used
						36	
						37	
						38	Automatic Wake-Up - Hotel Attendant Assistance Stop; Set
						39	Automatic Wake-Up - Hotel Attendant Assistance Stop; Cancel

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 - 63	MAID STATUS (STATE) 1 - 63	SERVICE CONTENTS
		N	Normal	SSC	36	40	Alert Service Start (Hotel ATT)
						41	Alert Service Stop (Hotel ATT)
						42	Guest Service Telephone Screen Initialization
						43	Guest Service Telephone Guest Room Information Retrieval
						44	Direct Data Entry - STA
						45	Alert Service Start (Special Administration station)
						46	Alert Service Stop (Special Administration station)
						47	Not used
						48	Second Wake-Up Call (Automatic); Set
						49	Second Wake-Up Call (Semi-Automatic); Set
						50	Second Wake-Up Call; Cancel
						51	Same Special Code Time Zone Connection Change
						52	Same Special Code Time Zone Connection Change
						53	Same Special Code Time Zone Connection Change
						54	Same Special Code Time Zone Connection Change
						55	Same Special Code Time Zone Connection Change
						56	Not used
						62	
						63	Dummy Number
						64~69	Not used
						70	Search the Guest Room Information Code

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 8 Note 9	SERVICE CONTENTS
				47		Not used
		N	Normal	SSC	48	Timed Reminder/Automatic Wake-Up; Entry
		N	Normal	SSC	49	Timed Reminder/Automatic Wake-Up; Cancel
				50 55		Not used
		N	Normal	SSC	56	Floor Service
		N	Normal	SSC	57	Split Access (Same Number Access)
				58, 59		Not used
		N	Normal	SSC	60	Attendant Manual Override
		H	Hooking	SSC	61	Call Park; Entry
		N	Normal	SSC	62	Call Park; Local Retrieve
		N	Normal	SSC	63	Call Park; Remote Retrieve

Note 8: The parameter may vary depending on the service.

Note 9: The available numbers of necessary digits vary depending on the parameter SID.

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.) 0 - 15	SERVICE CONTENTS
		N	Normal	SSC	56	0	
		N	Normal	SSC	56	1	
		N	Normal	SSC	56	2	
		N	Normal	SSC	56	3	
		N	Normal	SSC	56	4	
		N	Normal	SSC	56	5	
		N	Normal	SSC	56	6	
		N	Normal	SSC	56	7	
		N	Normal	SSC	56	8	
		N	Normal	SSC	56	9	
		N	Normal	SSC	56	10	
		N	Normal	SSC	56	11	
		N	Normal	SSC	56	12	
		N	Normal	SSC	56	13	
		N	Normal	SSC	56	14	
		N	Normal	SSC	56	15	

(a) Service Code (SRV=SSC) (Continued)

Note: Split Access (Same Number Access) (SID=57)

[illegible]

(b) Service Code Appendix (SRV=SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 - 255	SERVICE CONTENTS
					1~40	Not used
		H	Hooking	SSCA	41	Voice Call
		B	Busy	SSCA	42	Message Reminder (Dterm)
		H	Hooking			
					43~45	Not used
		N	Normal	SSCA	46	Line Load Control from the ATTCON; Entry
		N	Normal	SSCA	47	Line Load Control from the ATTCON; Cancel
		N	Normal	SSCA	48	Data Privacy on Demand; Entry
		H	Hooking			
		H	Hooking	SSCA	49	Data Privacy on Demand; Cancel
		N	Normal	SSCA	50	UCD Busy Out; Entry
		N	Normal	SSCA	51	UCD Busy Out; Cancel
					52	Not Used
		N	Normal	SSCA	53	Boss Secretary Override
		N	Normal	SSCA	54	Message Waiting Lamp Setting from ATTCON; Set
		N	Normal	SSCA	55	Message Waiting Lamp Setting from ATTCON; Cancel
		N	Normal	SSCA	56	Guest/Administration Service Note 10
		H	Hooking			
		B	Busy			
					57~62	Not used
		N	Normal	SSCA	63	Call Pickup Expand
					64~65	Not used
		N	Normal	SSCA	66	Digital Announcement Card Multi-channel Recording; Record
					67	Not used

Note: The parameter may vary depending on the service.

Note 10: For more details about Hotel Service, refer to the AASP command.

(b) Service Code Appendix (SRV=SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 - 255	NECESSARY DIGIT (NND) 1 - 6	SERVICE CONTENTS
		N	Normal	SSCA	68	Digital Announcement Card Multi-channel Recording; Retrieve
					69 7 84	Not used
		N	Normal	SSCA	85	PAD Lock; Cancel
		N	Normal	SSCA	86	CF - All Calls; Entry Note 11
		N	Normal	SSCA	87	CF - Busy Line; Entry Note 11
		N	Normal	SSCA	88	CF - Don't Answer; Entry Note 11
		N	Normal	SSCA	89	CF - All Calls; Cancel Note 11
		N	Normal	SSCA	90	CF - Busy Line; Cancel Note 11
		N	Normal	SSCA	91	CF - Don't Answer; Cancel Note 11
					92~96	Not used
		N	Normal	SSCA	97	Call Hold Conference
		N	Normal	SSCA	98	Internal Zone Paging; Originate
		H	Hooking	SSCA		
					99~105	Not used
		N	Normal	SSCA	106	Call Return
					107	Not used
		N	Normal	SSCA	108	Number Sharing; Entry
		N	Normal	SSCA	109	Number Sharing; Cancel
					110	Not used
		N	Normal	SSCA	111	Call Block (restricts the last calling party's number); Entry
		N	Normal	SSCA	112	Call Block (restricts the dialed number); En- try
		N	Normal	SSCA	113	Call Block; Cancel
					114~115	Not used
		N	Normal	SSCA	116	Call Trace
					117	Not used
		N	Normal	SSCA	118	Calling Party CLIR/CLIP Control
					119	Not used

Note 11: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this Access Code is used for Call Forwarding for Station calls.

(b) Service Code Appendix (SRV = SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 - 255	NECESSARY DIGIT (NND) 1 - 6	SERVICE CONTENTS
		N	Normal	SSCA	120	Selectable Station Call Pickup
		N	Normal	SSCA	121	Selectable Station Call Pickup Group
		N	Normal	SSCA	123	IP Enabled Dterm Password Entry
				124~125		Not used
		N	Normal	SSCA	126	Call Block List ON
		N	Normal	SSCA	127	Call Block List OFF
		N	Normal	SSCA	128	Call Block Last Number Set
		N	Normal	SSCA	129	Call Block Set
		N	Normal	SSCA	130	Call Block-Delete All/ Anonymous Call Block-ON
		N	Normal	SSCA	131	Anonymous Call Block-OFF
				132		Not used
		N	Normal	SSCA	133	Distinctive Ringing List-Set/Cancel
		N	Normal	SSCA	134	Expanded Speed Calling; Entry
		N	Normal	SSCA	135	Expanded Speed Calling; Access
		N	Normal	SSCA	136	Call Forwarding-Logout (Trunk); Entry
		N	Normal	SSCA	137	Call Forwarding-Logout (Trunk); Cancel
		N	Normal	SSCA	138	Call Forwarding-Logout (Station); Entry
		N	Normal	SSCA	139	Call Forwarding-Logout (Station); Cancel
		N	Normal	SSCA	140	Message Audible Alert; Entry
		N	Normal	SSCA	141	Message Audible Alert; Cancel
		N	Normal	SSCA	142	MA-ID Setting
				143~145		Not used
		N	Normal	SSCA	146	Call Park Deluxe Hold: Retrieval-1
		H	Hooking	SSCA		Call Park Deluxe Hold: Hold-1
		N	Normal	SSCA	147	Call Park Deluxe Hold: Retrieval-2
		H	Hooking	SSCA		Call Park Deluxe Hold: Hold-2
		N	Normal	SSCA	148	Call Park Deluxe Hold: Retrieval-3
		H	Hooking	SSCA		Call Park Deluxe Hold: Hold-3
		N	Normal	SSCA	149	Call Park Deluxe Hold: Retrieval-4
		H	Hooking	SSCA		Call Park Deluxe Hold: Hold-4
		N	Normal	SSCA	150	Call Park Deluxe Hold: Retrieval-5
		H	Hooking	SSCA		Call Park Deluxe Hold: Hold-5
		H	Hooking	SSCA	151	Malicious Call Trace; Entry
				152		Not used
		N	Normal	SSCA	153	Mobility Access; Entry
		N	Normal	SSCA	154	Mobility Access; Cancel
				155~255		Not used

(c) Outgoing Call (SRV=OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			

(d) Outgoing Call With Route Advance (SRV=OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (CNT)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(e) Least Cost Routing (SRV=LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	SECOND DIAL TONE (2nd. DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(f) Register Sender LCR (SRV=LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					
	_ _ _ _ _ _ _	N	Normal	LCRS	_ _ _ _			
		H	Hooking					

(g) Office Termination (SRV=UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 - 5	REMARKS
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			

(h) Announcement Service (SRV=ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 - 127	REMARKS
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			

(i) Announcement Service-Multiple Announcement (SRV=ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN ANNC)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 - 125	REMARKS
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				

(j) Paging Answer (SRV=PAGA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			

(k) Paging Cancel (SRV=PAGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			
		N	Normal	PAGC		
		H	Hooking			

(I) Telephone Number (SRV=TELN)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	MAXIMUM NUMBER OF DIGIT (NND) 1-16	REMARKS
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			

ASPAN: Assignment of Special Access Code for NDM

1. General

This command assigns the Numbering Plan data of the Network Control Node (NCN). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command is used for the Business/Hotel (for administration station only) Application.
2. The applicable Tenant Number (TN) range is designated by the ASYDN command, SYS1, Index 8. If the numbering plan is common for all tenants (ASYDN, SYS1, Index 800, b1=1), assign TN parameter as “1” for all tenants.
3. For detailed information, see the Data Programming Manual - FCCS.
4. When changing the tenant table development in FCCS network from separate to common, and vice versa, delete all the ASPAL/ASPAN data on NCN and delete all the ASPAL data on each LN as well.
5. When assigning the Access Code for Telephone numbers using more than one tenant, the valid value for NND will be the one of the last assigned tenant.

Example:

1) TN: 1, ACC: 21, CI: N, SRV: TELN and NND: 5 are assigned with ASPAL/ASPAN command.

2) TELN: 21000 is assigned with ALGSL/ALGSN command.

3) TN: 2, ACC: 2, CI: N, SRV: TELN and NND: 4 are assigned with ASPAL/ASPAN command.

4) TELN: 2000 is assigned with ALGSL/ALGSN command.

5) Try to get the data for TELN: 21000 with ALGSL/ALGSN command.

Because the valid NND value is 4 (the last assigned) and the NND value for 21000 is 5, TELN: 21000 data cannot be obtained and an error message will be displayed.

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six digits (0-9, *, #)]

CI: Connection Status Index

N : Normal

H : Hooking

B : Busy

SRV: Kind of Service

SSC : Service Code

SSCA : Service Code Appendix

OGC : Outgoing Call

OGCA : Outgoing Call with route advance

LCR : Least Cost Routing

LCRS : Register Sender LCR

UNIF : Office Termination

ANNC : Announcement Service - Single Announcement

ANNCM : Announcement Service - Multiple Announcement

PAGA : Paging Answer

PAGC : Paging Cancel

TELN : Telephone Number

- ◆ When SRV=SSC (Service code), except SID 36, 56 and 57 is assigned:

SID: Service Index [1-63]

See Table "SID (ASpan)" on the next page.

FPC: Fusion Point Code [1-253]

FPC appears when the following SID is entered.

SID	NUMBER OF FPC
2 (Dial Access to Attendant; Operator Call)	1-253
37 (Priority Call 1)	1-253
38 (Priority Call 2)	1-253
39 (Priority Call 3)	1-253

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	NUMBER OF DIGITS FOR NND
15 (Speed Calling-System; Access)	Access Code + Abbreviated Digit Code (2-7)
41 (Account Code Dial)	Access Code + Account Code (1-15)
42 (Authorization Code/Forced Account Code/PAD Lock)	Access Code (1-3)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit for Speed Calling [1-24]

NND1 appears when SID=15. The number of Abbreviated Digit Code (ADC) digits should be assigned in NND1 (maximum four digits).

SID (ASPD)

SID	SERVICE NAME	SID	SERVICE NAME
1	Call Hold	30-34	-
2	Dial Access to Attendant (Operator Call)	35*	Call Pickup - Direct
3	Call Back; Entry/ Camp-on By Station	36	Hotel Service
4	Executive Right-of-Way	37*	Priority Call 1
5	Call Waiting - Originating	38*	Priority Call 2
6	Call Back; Cancel	39*	Priority Call 3
7	Call Pickup - Group	40	-
8*	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Entry Note 1	41*	Account Code Dial
9	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Cancel Note 1	42*	Authorization Code/Forced Account Code/ PAD Lock; Set
10*	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Entry Note 1	43	Flash Signal Sending to Main office across CAS line
11	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Cancel Note 1	44	Last Number Call
12*	Call Forwarding - Don't Answer/Split Call Forwarding - Don't Answer (for trunk); Entry Note 1	45	-
13	Call Forwarding - Don't Answer/Split Call Forwarding - Don't Answer (for trunk); Cancel Note 1	46	Faulty Trunk Report
14*	Speed Calling - Station; Entry	47	-
15*	Speed Calling - System; Access	48	Timed Reminder/Automatic Wake-up; Entry
16	Trunk Answer from Any Station (TAS)	49	Timed Reminder/Automatic Wake-up; Cancel
17*	Individual trunk access	50-55	-
18	-	56	Floor Service
19	Out Going Trunk Queuing; Entry	57	Split Access (Same Number Access)
20	Out Going Trunk Queuing; Cancel	58, 59	-
21*	Speed Calling - Station, Group; Access	60*	Attendant Manual Override
22-27	-	61	Call Park; Entry
28	Call Forwarding I'm here; Set	62	Call Park; Local Retrieve
29	Call Forwarding I'm here; Cancel	63*	Call Park; Remote Retrieve

Note 1: When Split Call Forwarding is in service (the command ASYDN, SYS1, Index 79, b2=1), this access code is used for Call Forwarding service for Trunk calls. The Access Codes for Call Forwarding service for Station calls are specified by SRV=SSCA, SIDA 86-89.

Note: The Access Code for the services marked “*” must be assigned with the same number of digits, if the Access Code begins using the same number. It is not available to assign a different number of digits for the Access Codes (i.e. Access Code “100” and “10” cannot coexist) in these services.

◆ When SRV=SSC (Service code), SID 36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

1=Cleaned without ID code
 2=Cleaning Completed without ID code
 3=Ready for Occupancy without ID code
 4=Use Restricted without ID code
 5-8=-
 9=Maid Dial Answer Back without ID code-1
 10=Maid Dial Answer Back without ID code-2
 11=Maid Dial Answer Back without ID code-3
 12=Maid Dial Answer Back without ID code-4
 13=Maid Dial Answer Back without ID code-5
 14=Maid Dial Answer Back without ID code-6
 15=Maid Dial Answer Back without ID code-7
 16=-
 17=Cleaned with ID code
 18=Cleaning Completed with ID code
 19=Ready for Occupancy with ID code
 20=Use Restricted with ID code
 21-24=-
 25=Maid Dial Answer Back with ID code-1
 26=Maid Dial Answer Back with ID code-2
 27=Maid Dial Answer Back with ID code-3
 28=Maid Dial Answer Back with ID code-4
 29=Maid Dial Answer Back with ID code-5
 30=Maid Dial Answer Back with ID code-6
 31=Maid Dial Answer Back with ID code-7
 32=-
 33=Automatic Wake Up Setting, Cancel; Same Special code
 34=For guest station Secretary Telephone; Boss/Secretary Calling
 35=Boss/Secretary Busy out; Set
 36=Boss/Secretary Busy out; Cancel
 37=-
 38=Automatic Wake-Up-Hotel Attendant Assistance Stop
 39=Automatic Wake-Up-Hotel Attendant Assistance Stop Cancel
 40=Alert Service Start (Hotel ATT)
 41=Alert Service Stop (Hotel ATT)
 42=Guest Service Telephone Screen Initialized
 43=Guest Service Telephone Guest Room Information Retrieval
 44=Direct Data Entry-Station (via guest station)
 45=Alert Service Start (Special Administration station)

46=Alert Service Stop (Special Administration station)
47=-
48=Second Wake-up Call (Automatic) Set
49=Second Wake-up Call (Semi-Automatic) Set
50=Second Wake-Up Call Cancel
51=Same Special Code Time Zone Connection Change
52=Same Special Code Time Zone Connection Change
53=Same Special Code Time Zone Connection Change
54=Same Special Code Time Zone Connection Change
55=Same Special Code Time Zone Connection Change
56-62=-
63=Dummy Number
64-69=-
70=Search the Guest Room Information Code

Note: STATE=1-15 are used at the time Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.

Note: STATE=17-31 are used at the time Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

◆ When SRV=SSC (Service code), SID 56 (Floor Service) is assigned:

SID: Service Index [1-63]

SID=56

NO.1: Kind of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSC (Service code), SID 57 (Split Access) is assigned:

SID: Service Index [1-63]

SID=57

NO.2: Kind of Assignment Number [0-63]

This parameter specifies the number (0-63) of the Access Code being assigned for mutual access. This parameter serves as a counter for the access codes being assigned.

Note: This parameter is used when assigning the details of the service by the ASPS command.

KIND: Kind of Function [0-3]

This parameter specifies the Split Access Parameter Classification. The data assigned here depends on how the guest and administration stations are differentiated.

The guest and administration stations may be assigned to separate TNs, RSCs, and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

0=Administration/Guest (Assign this if the access code is shared between Guest and Administration with no correspondence to TN, RSC or SFC.)

1=TN (Assign this if the access code is shared among specified TNs)

2=RSC (Assign this if the access code is shared among specified RSCs)

3=SFC (Assign this if the access code is shared among specified SFCs)

Note: For more information about Hotel Service, refer to AASP command.

- ◆ When SRV=SSCA (Service Code appendix) is assigned:

SIDA: Service Index A [1-255]

See Table "SIDA (ASpan)".

NND: Necessary Digit [1-6]

NND appears when SIDA=97 (Call Hold Conference).

The number of digits for an access code should be assigned in NND.

SIDA (ASpan)

SIDA	SERVICE NAME
1-40	-
41	Voice Call
42	Message Reminder (Dterm)
43-45	-
46	Line Load Control from ATTCON; Entry
47	Line Load Control from ATTCON; Cancel
48	Data Privacy on Demand; Entry Note 3
49	Data Privacy on Demand; Cancel
50*	UCD Busy Out; Entry Note 6
51*	UCD Busy Out; Cancel Note 6
52	-
53	Boss Secretary Override
54*	Message Waiting Lamp Setting from ATTCON; Set
55*	Message Waiting Lamp Setting from ATTCON; Cancel
56	Guest/Administration Service
57-62	-
63	Call Pickup Expand
64-65	-
66	Digital Announcement Card Multi-channel Recording; Record
67	-
68*	Digital Announcement Card Multi-channel Recording Retrieve
69	OAI Dial Number Batch Transfer (TMF) Note 4
70-84	-
85*	PAD Lock; Cancel
86*	Call Forwarding-All Calls; Entry Note 2
87*	Call Forwarding-Busy Line; Entry Note 2
88*	Call Forwarding-Don't Answer; Entry Note 2
89	Call Forwarding-All Calls; Cancel Note 2
90	Call Forwarding-Busy Line; Cancel Note 2
91	Call Forwarding-Don't Answer; Cancel Note 2
92-96	-
97*	Call Hold conference
98	Internal Zone Paging; Originate

SIDA (ASpan)

SIDA	SERVICE NAME
99	-
100	ID Number Entry for Manual Roaming
101	Call Forwarding - PS Incoming Incomplete: Set
102	Call Forwarding - PS Incoming Incomplete: Cancel
103-105	-
106	Call Return
107	-
108	Number Sharing; Entry
109	Number Sharing; Cancel
110	-
111	Call Block (restricts the last calling party's number); Entry
112	Call Block (restricts the dialed number); Entry
113	Call Block; Cancel
114-115	-
116	Call Trace
117	-
118	Calling Party CLIR/CLIP Control
119	-
120	Selectable Station Call Pickup
121	Selectable Station Call Pickup Group
122	-
123	IP Enabled Dterm Password Entry
124-125	-
126	Call Block List ON (North America only)
127	Call Block List OFF (North America only)
128	Call Block Last Number Set (North America only)
129	Call Block Set (North America only)
130	Call Block-Delete All/Anonymous Call Block-ON (North America only)
131	Anonymous Call Block-OFF
132	-
133	Distinctive Ringing List-Set/Cancel (North America only)
134	Expanded Speed Calling; Entry
135	Expanded Speed Calling; Access
136	Call Forwarding-Logout; Entry/ Call Forwarding-Logout (Trunk); Entry Note 5
137	Call Forwarding-Logout; Cancel/ Call Forwarding-Logout (Trunk); Cancel Note 5
138	Call Forwarding-Logout (station); Entry Note 2
139	Call Forwarding-Logout (station); Cancel Note 2
140	Message Audible Alert; Entry (North America only)
141	Message Audible Alert; Cancel (North America only)
142	MA-ID Setting
143-150	-
151	Malicious Call Trace; Entry
152	-

SIDA (ASPA)

SIDA	SERVICE NAME
153	Mobility Access; Entry
154	Mobility Access; Cancel
155-163	-
164	Boss Absent: Set Note 7
165	Boss Absent: Cancel Note 7
166	Multi-Boss/Multi-Secretary Away per Boss: Set
167	Multi-Boss/Multi-Secretary Away per Boss: Cancel
168-170	-
171	Line Information Change Display
172-255	-

Note 2: This data is valid for Call Forwarding service when Split Call Forwarding is in service. (The command ASYDN, SYS1, Index 79, b2=1.)

Note 3: This data can be set when CI=N (Normal).

Note 4: For assigning OAI Dial Number Batch Transfer (TMF), be sure to set the number of digits (maximum three digits) of the OAI access code to Necessary Number of Digits (NND).

Note 5: The data varies due to the ASYD, SYS1, Index 79, b2 setting. When b2=1 (Split Call Forwarding is in service), Call Forwarding-Logout for incoming trunk call is available.

Note 6: In MULTI-BOSS/MULTI-SECRETARY [M-120] feature, when setting/canceling from a Boss' Terminal, this data becomes Boss Absent. When setting/canceling from a Secretary's Terminal, this data becomes Secretary Absent.

Note 7: This data is effective only when setting/canceling Boss Absent from a Secretary's Terminal to a Boss' Terminal.

Note: The Access Code for the services marked "*" must be assigned with the same number of digits, if the Access Code begins using the same number. A different number of digits for the access codes cannot be assigned (i.e., Access Code "100" and "10" cannot co-exist) in these services.

- ◆ When SRV=OGC (Outgoing call) is assigned:

LGRT: External Logical Route Number [1-899]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

CNT: Index Counter [1-15]

CNT is the route advance order.

LGRT: External Logical Route Number [1-899]

- ◆ When SRV=LCR (Least cost routing) /LCRS (Register sender LCR) is assigned:

LGRT: External Logical Route Number [1-899]

Assign a dummy route number.

2nd DT: Second Dial Tone [0-2]

Second Dial Tone sending (sent when a station has dialed the digits specified in NND of the ANPDN command)

- 0 : -
Second DT is not sent.
- 1 : 2nd DT
Second DT is sent.
- 2 : Not used
(Used in Japan only.)

AH: Authorization Code Dialing [0/1]

Authorization code after dialing ACC (LCR) + Destination number

- 0 : Out of Service
- 1 : In Service

SUB: Sub Address Dialing [0/1]

ISDN Sub Address Dialing

- 0 : Out of Service
- 1 : In Service

- ◆ When SRV=UNIF (Office termination) is assigned: **Note 8**

SKIP: Skip Digits [0-5]

Assign the skip digits to terminate the call.

Note 8: UNIF is available for ACIS only. For CCIS, use the AUNE/AUNEL command.

- ◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. See Table "EQP Parameter".

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN ANNC: Tenant Number

Assign the tenant number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range of 122 to 125 (Multi-announcement).

- ◆ When SRV= PAGA (Paging Answer) /PAGC (Paging Cancel) is assigned:

LGRT: External Logical Route Number [1-899]

Enter the Logical Number of Paging Trunk.

- ◆ When SRV=TELN (Telephone Number) is assigned:

NND: Maximum Number of Digit [1-16]

4. Data Sheet

(a) Service Code (SRV=SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 1	SERVICE CONTENTS
	_____	H	Hooking	SSC	1		Call Hold
	_____	N	Normal	SSC	2		Dial Access to Attendant (Operator Call) Note 4
	_____	H	Hooking				
	_____	B	Busy	SSC	3		Call Back; Entry
	_____	H	Hooking				Camp-on By Station
	_____	B	Busy	SSC	4		Executive Right-of-Way
	_____	N	Normal	SSC	5		Call Waiting - Originating
	_____	B	Busy				
	_____	N	Normal	SSC	6		Call Back; Cancel
	_____	N	Normal	SSC	7		Call Pickup - Group
	_____	N	Normal	SSC	8		CF - All Calls/Split CF - All Calls; Entry Note 2
	_____	N	Normal	SSC	9		CF - All Calls/Split CF - All Calls; Cancel Note 2
	_____	N	Normal	SSC	10		CF - Busy Line/Split CF - Busy Line; Entry Note 2
	_____	N	Normal	SSC	11		CF - Busy Line/Split CF - Busy Line; Cancel Note 2
	_____	N	Normal	SSC	12		CF - Don't Answer/Split CF - Don't Answer; Entry Note 2
	_____	N	Normal	SSC	13		CF - Don't Answer/Split CF - Don't Answer; Cancel Note 2
	_____	N	Normal	SSC	14		Speed Calling - Station; Entry
	_____	N	Normal	SSC	15		Speed Calling - System; Access Note 3
	_____	N	Normal	SSC	16		Trunk Answer from Any Station (TAS)
	_____	N	Normal	SSC	17		Individual Trunk Access
	_____				18		Not used

Note 1: The parameter may vary depending on the service.**Note 2:** When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, Bit 2=1), this Access Code is used for Call Forwarding service for Trunk calls.**Note 3:** When Speed Calling-System; Access is assigned, NND1 parameter assignment is also required in addition to NND parameter.**Note 4:** Fill in the FPC in place of the parameter NND.

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 5 Note 6	SERVICE CONTENTS
		B	Busy	SSC	19		OG Trunk Queuing; Entry
		N	Normal	SSC	20		OG Trunk Queuing; Cancel
		N	Normal	SSC	21		Speed Calling - Station, Group; Access
					22 23 27		Not used
		N	Normal	SSC	28		Call Forwarding I'm Here; Set
		N	Normal	SSC	29		Call Forwarding I'm Here; Cancel
					30 31 34		Not used
		N	Normal	SSC	35		Call Pickup - Direct
		N	Normal	SSC	36		Hotel Service
		N	Normal	SSC	37		Priority Call 1 Note 7
		H	Hooking				
		N	Normal	SSC	38		Priority Call 2 Note 7
		H	Hooking				
		N	Normal	SSC	39		Priority Call 3 Note 7
		H	Hooking				
					40		Not used
		N	Normal	SSC	41		Account Code Dial
		H	Hooking				
		N	Normal	SSC	42		Authorization Code/Forced Account Code/PAD Lock; Set
		H	Hooking				
		H	Hooking	SSC	43		Flash Signal Sending to Main office across CAS Line
		N	Normal	SSC	44		Last Number Call
					45		Not Used
		H	Hooking	SSC	46		Faulty Trunk Report

Note 5: The parameter may vary depending on the service.

Note 6: The available number of necessary digits vary depending on the parameter SID.

Note 7: Fill in the FPC in place of NND.

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 - 63	MAID STATUS (STATE) 1 - 63	SERVICE CONTENTS
		N	Normal	SSC	36	1	To be cleaned without ID Code
						2	Cleaned without ID Code
						3	Ready for Occupancy without ID Code
						4	Use Not Allowed without ID Code
						5	Not used
						6	
						7	Not used
						8	
						9	Maid Dial Answer Back without ID Code-1
						10	Maid Dial Answer Back without ID Code-2
						11	Maid Dial Answer Back without ID Code-3
						12	Maid Dial Answer Back without ID Code-4
						13	Maid Dial Answer Back without ID Code-5
						14	Maid Dial Answer Back without ID Code-6
						15	Maid Dial Answer Back without ID Code-7
						16	Not used
						17	To be cleaned with ID code
						18	Cleaned with ID Code
						19	Ready for Occupancy with ID Code
						20	Use Not Allowed with ID Code

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 - 63	MAID STATUS (STATE) 1 - 63	SERVICE CONTENTS
		N	Normal	SSC	36	21 22 24	Not used
						25	Maid Dial Answer Back with ID Code-1
						26	Maid Dial Answer Back with ID Code-2
						27	Maid Dial Answer Back with ID Code-3
						28	Maid Dial Answer Back with ID Code-4
						29	Maid Dial Answer Back with ID Code-5
						30	Maid Dial Answer Back with ID Code-6
						31	Maid Dial Answer Back with ID Code-7
						32	Not used
						33	Automatic Wake-Up Setting, Cancel; Same Special Code
						34	For guest station Secretary Telephone; Boss/Secretary
						35	Not used
						36	
						37	
						38	Automatic Wake-Up - Hotel Attendant Assistance Stop; Set
						39	Automatic Wake-Up - Hotel Attendant Assistance Stop; Cancel

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 - 63	MAID STATUS (STATE) 1 - 63	SERVICE CONTENTS
		N	Normal	SSC	36	40	Alert Service Start (Hotel ATT)
						41	Alert Service Stop (Hotel ATT)
						42	Guest Service Telephone Screen Initialization
						43	Guest Service Telephone Guest Room Information Retrieval
						44	Direct Data Entry - STA
						45	Alert Service Start (Special Administration station)
						46	Alert Service Stop (Special Administration station)
						47	Not used
						48	Second Wake-Up Call (Automatic); Set
						49	Second Wake-Up Call (Semi-Automatic); Set
						50	Second Wake-Up Call; Cancel
						51	Same Special Code Time Zone Connection Change
						52	Same Special Code Time Zone Connection Change
						53	Same Special Code Time Zone Connection Change
						54	Same Special Code Time Zone Connection Change
						55	Same Special Code Time Zone Connection Change
						56	Not used
						62	
						63	Dummy Number
						64~69	Not used
						70	Search the Guest Room Information Code

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SID) 1-63	NUMBER OF NECESSARY DIGITS (NND) Note 8 Note 9	SERVICE CONTENTS
					47		Not used
		N	Normal	SSC	48		Timed Reminder/Automatic Wake-Up; Entry
		N	Normal	SSC	49		Timed Reminder/Automatic Wake-Up; Cancel
					50 55		Not used
		N	Normal	SSC	56		Floor Service
		N	Normal	SSC	57		Split Access (Same Number Access)
					58, 59		Not used
		N	Normal	SSC	60		Attendant Manual Override
		H	Hooking	SSC	61		Call Park; Entry
		N	Normal	SSC	62		Call Park; Local Retrieve
		N	Normal	SSC	63		Call Park; Remote Retrieve

Note 8: The parameter may vary depending on the service.

Note 9: The available number of necessary digits vary depending on the parameter SID.

(a) Service Code (SRV=SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.) 0 - 15	SERVICE CONTENTS
		N	Normal	SSC	56	0	
		N	Normal	SSC	56	1	
		N	Normal	SSC	56	2	
		N	Normal	SSC	56	3	
		N	Normal	SSC	56	4	
		N	Normal	SSC	56	5	
		N	Normal	SSC	56	6	
		N	Normal	SSC	56	7	
		N	Normal	SSC	56	8	
		N	Normal	SSC	56	9	
		N	Normal	SSC	56	10	
		N	Normal	SSC	56	11	
		N	Normal	SSC	56	12	
		N	Normal	SSC	56	13	
		N	Normal	SSC	56	14	
		N	Normal	SSC	56	15	

(a) Service Code (SRV=SSC) (Continued)

Note: Split Access (Same Number Access) (SID=57)

[illegible]

(b) Service Code Appendix (SRV=SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 - 255	SERVICE CONTENTS
					1 2 40	Not used
		H	Hooking	SSCA	41	Voice Call
		B	Busy	SSCA	42	Message Reminder (Dterm)
		H	Hooking			
					43 2 45	Not used
		N	Normal	SSCA	46	Line Load Control from ATTCON; Entry
		N	Normal	SSCA	47	Line Load Control from ATTCON; Cancel
		N	Normal	SSCA	48	Data Privacy on Demand; Entry
		H	Hooking			
		H	Hooking	SSCA	49	Data Privacy on Demand; Cancel
		N	Normal	SSCA	50	UCD Busy Out; Entry
		N	Normal	SSCA	51	UCD Busy Out; Cancel
					52	Not used
		N	Normal	SSCA	53	Boss/Secretary Override
		N	Normal	SSCA	54	Message Waiting Lamp Setting from AT- TCON; Set
		N	Normal	SSCA	55	Message Waiting Lamp Setting from AT- TCON; Cancel
		N	Normal	SSCA	56	Guest/Administration Service
		H	Hooking			
		B	Busy			
					57 2 62	Not used
		N	Normal	SSCA	63	Call Pickup Expand
					64 2 65	Not used
		N	Normal	SSCA	66	Digital Announcement Card Multi-channel Recording: Record
					67	Not used

(b) Service Code Appendix (SRV=SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 - 255	NECESSARY DIGIT (NND) 1 - 6	SERVICE CONTENTS
		N	Normal	SSCA	68		Digital Announcement Card Multi-channel Recording: Retrieve
					69 7 84		Not used
		N	Normal	SSCA	85		PAD Lock; Cancel
		N	Normal	SSCA	86		CF - All Calls; Entry Note 10
		N	Normal	SSCA	87		CF - Busy Line; Entry Note 10
		N	Normal	SSCA	88		CF - Don't Answer; Entry Note 10
		N	Normal	SSCA	89		CF - All Calls; Cancel Note 10
		N	Normal	SSCA	90		CF - Busy Line; Cancel Note 10
		N	Normal	SSCA	91		CF - Don't Answer; Cancel Note 10
					92 7 96		Not used
		N	Normal	SSCA	97		Call Hold Conference
		N	Normal	SSCA	98		Internal Zone Paging; Originate
		H	Hooking	SSCA			
					99 7 105		Not used
		N	Normal	SSCA	106		Call Return
					107		Not used
		N	Normal	SSCA	108		Number Sharing; Entry
		N	Normal	SSCA	109		Number Sharing; Cancel
					110		Not used
		N	Normal	SSCA	111		Call Block (restricts the last calling party's number); Entry
		N	Normal	SSCA	112		Call Block (restricts the dialed number); Entry
		N	Normal	SSCA	113		Call Block; Cancel
					114 7 115		Not used
		N	Normal	SSCA	116		Call Trace
					117		Not used
		N	Normal	SSCA	118		Calling Party CLIR/CLIP Control
					119		Not used

Note 10: This data is valid for Call Forwarding service for Station calls when Split Call Forwarding is in service. (The command ASYDN, SYS1, Index 79, Bit 2=1.)

(b) Service Code Appendix (SRV=SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE FEATURE INDEX (SIDA) 1 - 255	NECESSARY DIGIT (NND) 1 - 6	SERVICE CONTENTS
		N	Normal	SSCA	120		Selectable Station Call Pickup
		N	Normal	SSCA	121		Selectable Station Call Pickup Group
		N	Normal	SSCA	123		IP Enabled Dterm Password Entry
					124~125		Not used
		N	Normal	SSCA	126		Call Block List ON
		N	Normal	SSCA	127		Call Block List OFF
		N	Normal	SSCA	128		Call Block Last Number Set
		N	Normal	SSCA	129		Call Block Set
		N	Normal	SSCA	130		Call Block-Delete All/Anonymous Call Block-ON
		N	Normal	SSCA	131		Anonymous Call Block-OFF
					132		Not used
		N	Normal	SSCA	133		Distinctive Ringing List
		N	Normal	SSCA	134		Expanded Speed Calling; Entry
		N	Normal	SSCA	135		Expanded Speed Calling; Access
		N	Normal	SSCA	136		Call Forwarding-Logout (Trunk); Entry
		N	Normal	SSCA	137		Call Forwarding-Logout (Trunk); Cancel
		N	Normal	SSCA	138		Call Forwarding-Logout (Station); Entry
		N	Normal	SSCA	139		Call Forwarding-Logout (Station); Cancel
		N	Normal	SSCA	140		Message Audible Alert; Entry
		N	Normal	SSCA	141		Message Audible Alert; Cancel
		N	Normal	SSCA	142		MA-ID Setting
					143~150		Not used
		H	Hooking	SSCA	151		Malicious Call Trace; Entry
					152		Not used
		N	Normal	SSCA	153		Mobility Access; Entry
		N	Normal	SSCA	154		Mobility Access; Cancel
					155~255		Not used

(c) Outgoing Call (SRV=OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			

(d) Outgoing Call With Route Advance (SRV=OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (CNT)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(e) Least Cost Routing (SRV=LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					
	_____	N	Normal	LCR	_ _			
	_____	H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(f) Register Sender LCR (SRV=LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					

(g) Office Termination (SRV=UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 - 5	REMARKS
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			
		N	Normal	UNIF		
		H	Hooking			

(h) Announcement Service (SRV=ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 - 127	REMARKS
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			
		N	Normal	ANNC		
		H	Hooking			

(i) Announcement Service-Multiple Announcement (SRV=ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN ANNC)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 - 125	REMARKS
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				
		N	Normal	ANNCM			
		H	Hooking				

(j) Paging Answer (SRV=PAGA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			
		N	Normal	PAGA		
		H	Hooking			

(k) Paging Cancel (SRV=PAGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) 1/2		KIND OF SERVICE (SRV)	EXTERNAL LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			
		H	Normal	PAGC		
		N	Hooking			

(I) Telephone Number (SRV=TELN)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	MAXIMUM NUMBER OF DIGIT (NND) 1-16	REMARKS
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			

ASPC: Assignment of SP Configuration

1. General

This command reads and assigns the SP configuration on the Telephony Server and an SR-MGC(E).

2. Precautions

1. All the IP devices controlled by the applicable SP will be reset when the configuration is modified.
2. All operations will become invalid while the system reads and writes the configuration file.
3. Each file will be restored to default settings when “Restore with default settings” button is clicked.
4. You need another command when using the following function:

- To register the operating data of SIP Server by ASSDL/ASSDN command.

In standard mode: SIP Server

In customized mode: 2: SIP Station [StaticInfo.txt], “SipSrvIP” parameter **Note1**

Note 1: Do not assign or modify the parameters other than “SipSrvIP”.

5. For general maintenance, select standard mode in the Input Mode box. Customize mode is for an engineer. Especially, the following config files are for engineer’s exclusive use:

Note: Do not change the following data without an engineer’s direction.

- 3: SIP Station (Debug) [DynamicInfo.txt]
- 5: MPH (Debug) [MPHdebug.conf]
- 6: PHD [PHDconfig.conf]
- 7: PHI [PHIconfig.conf]
- 8: PHI (Debug) [phi.cnf]

3. Data Entry Instructions

LP No: LP number [0-31] (For UMGi/RNIP system only)

Note: This command should be used with PCPro logged in to CCN.

System

- System-0
- System-1

Note: A non-existent system cannot be specified here.

Note: When SR-MGC(E) is used, select System-0.

Input Mode

- Standard: GUI-based data assignment
- Customize (For Engineers): CLI-based data assignment

Note: The following parameters vary depending on your choice here.

[When you select Standard in Input Mode]

Function

- SIP Server
 - SIP Server ID: Assign the same ID as the ASSDL/ASSDN command [1-127].
- SIP Gateway: Not used.

[When you select Customize in Input Mode]

Config File [1-255]

- 1: SIP VoIP Gateway [B2BUAConfig.conf] (*Not used*)
- 2: SIP Station [StaticInfo.txt] **Note1**
- 3: SIP Station (Debug) [DynamicInfo.txt] (*For engineers only*)
- 4: MPH [MPHconfig.conf]
- 5: MPH (Debug) [MPHdebug.conf] (*For engineers only*)
- 6: PHD [PHDconfig.conf] (*For engineers only*)
- 7: PHI [PHIconfig.conf] (*For engineers only*)
- 8: PHI (Debug) [phi.cnf] (*For engineers only*)
- 9: MPH, PHD, PHI common [SPconfig.conf]
- 10-255: Not used

Note 1: This Config File is used when registering the operating data of SIP Server by ASSDL/ASSDN command.

Data

Enter the Data for each Config File. Details on each parameters are listed below.

■ Details on each parameter of Config File

Note: The value and character listed next to each parameter is the default setting.

1: SIP VoIP Gateway [B2BUAConfig.conf]

Not used

2: SIP Station [StaticInfo.txt]

Display Image

```
// Static Information
// Caution: SipSrvID must NOT be void.

// SIP-Server Identifier (unique number 1-127)
SipSrvID=

// DRS Port Number (default 3456)
DrsPort=3456

// Self Port Range (default 7000-8000)
StartPortNum=7000
EndPortNum=8000
```

Sip SrvID: No default [1-127]

Assign the SIP Server ID. This parameter must be assigned when initializing the Telephony Server regardless of whether using SP Controlled SIP terminals. Be sure to assign the same data registered for “SIP Server ID” in SIP Server operating data of ASSDL/ASSDN command.

DrsPort: 3456 [3456-65535] **Note2**

Assign the Port Number of DRS.

Note 2: When the Port Number of DrsPort is modified, the same Port Number must be assigned for REG in “Configure Application Port” of Options tab for ADTM command.

StartPortNum: 7000 [1-65535]

Assign the minimum number of port used by sipsv_phe.

EndPortNum: 8000 [1-65535]

Assign the minimum number of port used by sipsv_phe.

<Release Timing After Blind Transfer Performed by SP Controlled Standard SIP Terminal>

After an SP Controlled Standard SIP Terminal station performs Blind Transfer, the station is released in the following timings depending on the SP Controlled Standard SIP Terminal type.

- Released without confirming to ring a called party.

- Released after confirming to ring a called party.

In order to make the SP Controlled Standard SIP Terminal always released after confirming an availability of ringing a called party for both timings, the Telephony Server usually delays the SP Controlled Standard SIP Terminal's release until a called party is ringed.

To prohibit the Telephony Server from delaying the station release, add a line of the following text after retrieving "2:SIP Station [StaticInfo.txt]" from Config File.

BlindTransferTakeBye

- Note:** To assign "BlindTransferTakeBye," the following need to be considered.
- Blind Transfer by SP Controlled Standard SIP Terminal may not work properly.
 - This data is not required in the normal data assignment.
 - This data is case-sensitive.

3: SIP Station (Debug) [DynamicInfo.txt]

Display Image

```
// Dynamic Information File
// -- Please change the following item in a suitable value

// SYSLOG Flag
// valid=1 / invalid=0
SyslogFlg=0

// SYSLOG Level
SyslogLevel=6

// SYSLOG Server IP-Address
SyslogSVIp=192.168.0.1

// SYSLOG Server Port-Number
SyslogSVPort=514

// SYSLOG Program Type
// kern/user/mail/daemon/auth/syslog/lpr/news/uucp
// /cron/authpriv/ftp/ntp/security/console/local0-7
SyslogFacility=user

// Write File Flag
// valid=1 / invalid=0
WriteFileFlg=1

// Add Time Stamp
// Add=1 / NotAdd=0
TimeStampFlg=0

// Display Message Flag
// valid=1 / invalid=0
DispMessageFlg:MAIN=0
DispMessageFlg:PHE=0
DispMessageFlg:SIP=0

// "Display Message" Send IP-Address
DispMessageSendIP:MAIN=192.168.0.1
DispMessageSendIP:PHE=192.168.0.1
DispMessageSendIP:SIP=192.168.0.1

// "Display Message" Send Port
DispMessageSendPort:MAIN=514
DispMessageSendPort:PHE=514
DispMessageSendPort:SIP=514
```

SyslogFlg: 0

Assign whether to enable or disable the transmit of syslog.

0: Invalid
1: Valid

SyslogLevel: 6 [1-7]

Assign the limitation level when transmitting the syslog to other machines.

SyslogSVIp: None

Assign the IP address of destination machine of syslog.

SyslogSVPort: 514 [1-65535]

Assign the Port Number of the destination machine of syslog.

SyslogFacility: user [kern/user/mail/daemon/auth/syslog/lpr/news/uucp/cron/authpriv/ftp/ntp/security/console/local0-7]

Assign the syslog facility.

WriteFileFlg: 1

Assign whether to enable or disable the output of the syslog file for local machine.

0: Invalid
1: Valid

TimeStampFlg: 0

Assign whether to enable or disable the indication of the timestamp.

0: Invalid
1: Valid

DispMessageFlg:MAIN: 0

Assign whether to enable or disable the transmission of Display Message for sp_boot.

0: Invalid
1: Valid

DispMessageFlg:PHE: 0

Assign whether to enable or disable the transmission of Display Message for sipsv_phe.

0: Invalid
1: Valid

DispMessageFlg:SIP: 0

Assign whether to enable or disable the Display Message Flag of sipsv_sip.

0: Invalid

1: Valid

DispMessageSendIP:MAIN: 192.168.0.1 **Note3**

Assign the IP address of destination machine which Display Message for sp_boot is sent.

Note 3: This parameter must be assigned when DispMessageFlg:MAIN= 1.

DispMessageSendIP:PHE: 192.168.0.1 **Note4**

Assign the IP address of destination machine which Display Message for sipsv_phe is sent.

Note 4: This parameter must be assigned when DispMessageFlg:PHE= 1.

DispMessageSendIP:SIP: 192.168.0.1 **Note5**

Assign the IP address of destination machine which Display Message for sipsv_sip is sent.

Note 5: This parameter must be assigned when DispMessageFlg:SIP= 1.

DispMessageSendPort:MAIN: 514 [1-65535]

Assign the Port Number of destination machine which Display Message for sp_boot is sent.

DispMessageSendPort:PHE: 514 [1-65535]

Assign the Port Number of destination machine which Display Message for sipsv_phe is sent.

DispMessageSendPort:SIP: 514 [1-65535]

Assign the Port Number of desinating machine which Display Message for sipsv_sip is sent.

4: MPH [MPHconfig.conf]

Display Image

```
//  
MPH-RegistPortNum=3480  
MPH-SgnlPortNum=60134  
// Debug  
MPH-HealthCheckMode=0
```

MPH-RegistPortNum: 3480 [1-65535]

Assign the Registration Port Number of MPH.

MPH-SgnlPortNum: 60134 [1-65535]

Assign the Port Number for controlling the transmission between MPH and Internal PHE.

MPH-HealthCheckMode: 0 (*Fixed*) **Note6**

Note 6: This parameter is for engineers only. Do not make an assignment or modification without an engineer's direction.

5: MPH (Debug) [MPHdebug.conf]

Note: This configuration is for engineers only. Do not make an assignment or modification without an engineer's direction.

Display Image

```
// MPH Debug Config File
// shmem log output
// 0/1 = OFF/ON
MPH_shmemread=0
// log output mode
// 0/1/2 = stdout&syslog/stdout/syslog
MPH_logmode=0
// log level
// 0/1/2/3 = NONE/ERROR/INFO/ALL(Debug)
MPH_loglevel=2
//MPH_endflag=0
```

MPH_shmemread: 0 (*Fixed*)

MPH_logmode: 0 (*Fixed*)

MPH_loglevel: 2 (*Fixed*)

MPH_endflag: 0 (*Fixed*)

6: PHD [PHDconfig.conf]

Display Image

```

TosProtims      = 0xC0    // Tos Protims      (6)

(SIPPHD_Effect=1)
(SYSLOG_OUTPUT=0)
(PHD_ErrPort=61023)
(CMDLOG_TRACE=0)

//// for SIPPHD Module
// DRS communication port number
SIPPHD_DrsPort=12000

// SIPPHD-PHD port number(internal)
SIPPHD_ProtimsPort=12001

// Negotiation command port number
SIPPHD_p2pPort=12002

// H.245 start port number
H245StartPortNum=12003

// H.245 end port number
H245EndPortNum=20000

// Default DTMF method
DefaultDTMF=0

// Transmission interval of SUBSCRIBE
// (EXPIRE is this double)
SUBSCRIBE=300

// Expiration of REGISTER
Expire=0

// Authentication expire (default:172800sec=2days)
AuthExpire=172800

```

Note: When assigning each Port Number, take care not to assigned the same Port Number used for other Application Port Number within the Telephony Server.

SIPPHD_DrsPort: 12000 [1024-65535]

Assign the Port Number for DRS used by SP-PHD.

SIPPHD_ProtimsPort: 12001 [1024-65535]

Assign the Port Number for proprietary protocol communication used within SP-PHD.

SIPPHD_p2pPort: 12002 [1024-65535]

Assign the Port Number (new procedure) for P2P command used by SP-PHD.

H245StartPortNum: 12003 [1024-65535]

Assign the Starting Port Number (former procedure) for H.245 command used by SP-PHD.

H245EndPortNum: 20000 [1024-65535]

Assign the Starting Port Number (former procedure) for H.245 command used by SP-PHD.

Note: The parameters below are for engineers only. Do not make an assignment or modification without an engineer's direction.

DefaultDTMF: 0 (*Fixed*)

SUBSCRIBE: 300 (*Fixed*)

Expire: 0 (*Fixed*)

AuthExpire: 172800 (*Fixed*)

7: PHI [PHIconfig.conf]

Display Image

```
// port option's
Tos_iLPPM=0xC0          // iLPPM (port) ToS( BIT7-5 )
SIPPHI_DrsPort=22000     // SIPPHI <-> DRS : (UDP) DRS MSG
SIPPHI_iLPPMPort=22001   // SIP-PHI <-> PHI : (UDP) iLPPM
SIPPHI_p2pPort=22002     // SP <-> IP      : (UDP) P2P
H245StartPortNum=22003   // SP <-> IP      : (TCP) H245 range START
H245EndPortNum=26000     // SP <-> IP      : (TCP) H245 range END

// SIPPHI option's
SIPPHI_DBG=
DefaultDTMF=
SUBSCRIBE=
Domain=
```

Note: When assigning each Port Number, take care not to assigned the same Port Number used for other Application Port Number within the Telephony Server.

SIPPHI_DrsPort: 22000 [1024-65535]

Assign the Port Number for DRS used by SP-PHI.

SIPPHI_iLPPMPort: 22001 [1024-65535]

Assign the Port Number for iLP-PM used by SP-PHI.

SIPPHI_p2pPort: 22002 [1024-65535]

Assign the Port Number for P2P command (new procedure) used by SP-PHI.

H245StartPortNum: 22003 [1024-65535]

Assign the Starting Port Number for H.245 command (former procedure) used by SP-PHI.

H245EndPortNum: 26000 [1024-65535]

Assign the End Port Number for H.245 command (former procedure) used by SP-PHI.

Note: The parameter listed below are for engineers only. Do not make an assignment or modification without an engineer's direction.

- SIPPHI_DBG
- DefaultDTMF
- SUBSCRIBE
- Domain

8: PHI (Debug) [phi.cnf]

Note: This configuration is for engineers only. Do not make an assignment or modification without an engineer's direction.

Display Image

```
#### phi config ####

## PHI DBG-LOG name ##           [ DEF ] : /dev/shm/phi_analys.log
LOG_NAME=/dev/shm/phi_analys.log

## syslog DSP proc name ##       [ DEF ] : SP-PHI
LOG_PROC=SP-PHI

## ON / OFF = ( syslog -> STDOUT ) DSP / not DSP ## [ DEF ] : OFF
LOG_CRT=OFF

## syslog level : 0-7 = High-Low ##           [ DEF ] : 3
#LV0-4 : ( syslog ) put.
#LV5-7 : ( syslog + LOG_NAME ) put.
LOG_LV=3
```

LOG_NAME: /dev/shm/phi_analys.log (*Fixed*)

LOG_PROC: SP-PHI (*Fixed*)

LOG_CRT: OFF (*Fixed*)

LOG_LV: 3 (*Fixed*)

9: MPH, PHD, PHI common [SPconfig.conf]

Display Image

```
SipSrvSipPort=5060
DrsPort1=3456
PHEPort=60130
TosDrs=0xC0
TosVoiceCtrl=0xC0
TosILPPM=0xC0
TosSip=0xC0
```

SipSrvSipPort: 5060 [0-65535]

Assigned the Port Number for SIP control.

DrsPort1: 3456 [0-65535] **Note7**

Assign the Port Number of DRS.

Note 7: When the Port Number of DrsPort1 is modified, the same Port Number must be assigned for REG in “Configure Application Port” of Options tab for ADTM command.

PHEPort: 60130 [0-65535] **Note8**

Assign the Port Number for Internal PHE transmission of TP side.

Note 8: When the Port Number of PHEPort is modified, the same Port Number must be assigned for Internal PHE in “Configure Application Port” of Options tab for ADTM command.

TosDrs: 0xC0 [0-0xff]

Assign the TOS value between DRS and MPH.

TosVoiceCtrl: 0xC0 [0-0xff]

Assign the TOS value between SIP voice and MPH.

TosILPPM: 0xC0 [0-0xff]

Assign the TOS value between ILPPM and MPH.

TosSip: 0xC0 [0-0xff]

Assign the TOS value between MPH and SIP.

4. Data Sheet

[illegible]

ASPD: Assignment of Speed Calling

1. General

This command assigns the speed calling number corresponding to each Abbreviated Digit Code (ADC).

2. Precautions

1. The speed calling number assigned by this command (the data entered at the DC parameter) is transmitted when an ADC is dialed following the Speed Calling - System Access Code.
2. The following command should be assigned to accomplish the Speed Calling - System service feature:
ASPA command, SRV="SSC: Service Code", SID=15
ASFC command, SFI=12
3. The Speed Calling - System data may also be used in conjunction with the following commands, and the ADC parameter is an intermediate data to correspond to them:

AABD: The restriction data of Speed Calling - System
ACFO: System Call Forwarding data
ACSA: Ringdown trunk incoming call termination (Day mode)
ACSI: Ringdown trunk incoming call termination (Day and Night mode, or Night mode)
AFCP: Calling Party Recognition Service of ISDN.
AHLS: Hot Line
ALDN: LDN diversion of DID call
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b3=1), assign TN parameter as data "1" for all tenants.
5. The Access Code for the designated outgoing trunk route should be included in the speed calling number assigned in the DC parameter.
6. If a pause is required within the speed calling number, enter "P" between the desired digits in the CD parameter. The default pause is three seconds and can be adjusted using the ASYD command, SYS1, Index 131.
7. When assigning a speed calling number in which certain digits vary, enter "M" where digits are to be dialed manually. It should be noted that once "M" is entered in any part of telephone number, all digits following the "M" must be dialed manually.

3. Data Entry Instructions

TN: Tenant Number

ADC: Abbreviated Digit Code [Maximum four digits]

Enter an abbreviated digits code.

CD: Called Number [Maximum 24 digits]

Enter desired speed calling number.

4. Data Sheet

TENANT NUMBER (TN)	ABBREVIATED DIGIT CODE (ADC) MAXIMUM 4 DIGITS	CALLED NUMBER (CD) MAXIMUM 24 DIGITS	REMARKS

ASPDN: Assignment of Speed Calling for NDM

1. General

This command assigns the speed calling number corresponding to each Abbreviated Digit Code (ADC). The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The speed calling number assigned by this command (the data entered at the DC parameter) is transmitted when an ADC is dialed following the Speed Calling - System Access Code.
2. The following command should be assigned to accomplish the Speed Calling - System service feature:
ASPA command, SRV="SSC: Service Code", SID=15
ASFC command, SFI=12
3. The Speed Calling - System data may also be used in conjunction with the following commands, and the ADC parameter is an intermediate data to correspond to them:

AABD: The restriction data of Speed Calling - System

ACFO: System Call Forwarding data

ACSA: Ringdown trunk incoming call termination (Day mode)

ACSI: Ringdown trunk incoming call termination (Day and Night mode, or Night mode)

AFCP: Calling Party Recognition Service of ISDN.

AHLS: Hot Line

ALDN: LDN diversion of DID call

4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b3=1), assign TN parameter as data "1" for all tenants.
5. The Access Code for the designated outgoing trunk route should be included in the speed calling number assigned in the DC parameter.
6. If a pause is required within the speed calling number, enter "P" between the desired digits in the CD parameter. The default pause is three seconds and can be adjusted using the ASYD command, SYS1, Index 131.
7. When assigning a speed calling number in which certain digits vary, enter "M" where digits are to be dialed manually. It should be noted that once "M" is entered in any part of telephone number, all digits following the "M" must be dialed manually.
8. If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b3=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

TN: Tenant Number

ADC: Abbreviated Digit Code [Maximum four digits]

Enter an abbreviated digits code.

CD: Called Number [Maximum 24 digits]

Enter desired speed calling number.

4. Data Sheet

TENANT NUMBER (TN)	ABBREVIATED DIGIT CODE (ADC) MAXIMUM 4 DIGITS	CALLED NUMBER (CD) MAXIMUM 24 DIGITS	REMARKS

ASPO: Assignment of SIP Terminal Operating Data

1. General

This command assigns and deletes the station number for the SP Controlled SIP terminal service.

2. Data Entry Instructions

TN: Tenant Number

STN: Station number for SIP service [A Maximum of 5 Digits]

Enter a desired station number of the SP Controlled SIP terminal.

RSC: Route Restriction Class [0-15]

Enter a desired Route Restriction Class for the SP Controlled SIP terminal.

SFC: Service Feature Restriction Class [0-15]

Enter a desired Service Feature Restriction Class for the SP Controlled SIP terminal.

PHIN: Phantom index

Virtual Accommodation Location of the SP Controlled SIP terminal.

PS NO(HEX): Internal identification number

Internal identification number (HEX) is automatically allocated to each SP Controlled SIP terminal when assigning on the BASE field of ASPTL/ASPTN command.

The following parameters are displayed only when using Hotel System:

ADM/GST: Administration/Guest station

Specify the Station type.

1=Administration station

2=Guest station

ROOM CLASS: Room Class [0-15]

When using an SP Controlled SIP terminal as administration station (ADM): 0 or 6 (For details, refer to AAST command.)

When using an SP Controlled SIP terminal as guest station (GST): 15 (For details, refer to AGST command.)

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 Level (1-127)

Specify a floor level in the range 1 to 127.

3. Data Sheet

TENANT NUMBER (TN)	STATION NUMBER (STN)	ROUTE RESTRICTION CLASS (RSC)	SERVICE FEATURE RESTRICTION CLASS (SFC)	PHANTOM INDEX (PHIN)	INTERNAL IDENTIFICATION NUMBER (PS NO)

[illegible]

(For Hotel System only)

[illegible]

Administration/Guest (ADM/GST)	Room Class (ROOM CLASS) 0-15	Annex (ANNEX) 0-3	Ground/Underground (GROUND) 0/1	Floor Level (FLOOR) 1-127	REMARKS

ASPTL: Assignment of SIP Terminal Data for LDM

1. General

This command assigns and deletes the SIP terminal data. This data is written in Local Data Memory (LDM). Use ASPTL for stand-alone system or ASPTN in the FCCS network.

2. Precautions

1. When any parameter on TERMINAL(Terminal Data) is changed, the change information is automatically sent to Telephony Server. If Telephony Server cannot receive this information due to Telephony Server status (suspend or down) or network trouble, it will make a difference of information held by Telephony Server. In this case, the SIP terminal must perform re-registration.
2. Assign the TYPE and the DETAIL parameters correctly to avoid the SIP terminals from behaving abnormally.
3. After the BASE(Base Data) data for SP Controlled Standard SIP terminals are changed, re-registration is required.

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number [A Maximum of 12 Digits]

Enter a desired Telephone Number of SIP Terminal.

**Up to 16 digits of Telephone Number can be registered when ASYDL/ASYDN SYS1 Index 702 bit0=1 (More than 12 digits of Telephone Number is available for SIP terminal) is assigned. To turn off the data of ASYDL/ASYDN SYS1 Index 702 bit0=1, you need to delete the SIP terminal data assigned when ASYDL/ASYDN SYS1 Index 702 bit0=1 is set.*

When this data is changed, re-registration of SIP terminals is required. If SIP Wireless Terminal Backup [S-154] is activated, re-registration is not required.

BASE(Base Data)

TN: Tenant Number [1-63]

Enter a desired tenant number.

STN: Station number of SIP terminal

Enter a desired station number for the SIP Terminal (assigned by ASPO).

TERMINAL(Terminal Data)

Assign the SIP terminal information. By clicking the Terminal Data Delete button, only the TERMINAL(Terminal Data) information is deleted.

TYPE: Type of SIP Terminal

Select a desired type of SIP terminal.

TYPE1: Standard SIP Terminal that is compliant with IETF RFC3261 and its draft. Select this type when using SP Controlled Standard SIP Voice terminals or Standard SIP Video terminals.

TYPE2: Feature Extension SIP Terminal 1 that is compliant with IETF RFC3261 and its draft, or NEC unique feature extension.

TYPE3: Feature Extension SIP Terminal 2 that is compliant with IETF RFC3261, its draft, and NEC unique feature extension. Select this type when using WLAN Handset (MH Series).

TYPE4: Not used.

DOMAIN INDEX: DOMAIN NAME: Index of Domain Name [1-1020] / Domain Name that SIP Terminal belonging (Up to 128 characters)

Select a domain index and a domain name which the SIP terminal belongs to. When domain name is not input, only index of Domain Name is displayed.

[DETAIL]

Selectable parameters in each TYPE will appear in DETAIL field as shown below when TYPE is set:

When TYPE=TYPE 1 is set	When TYPE=TYPE 2 is set	When TYPE=TYPE 3 is set
• NO DIGEST AUTHENTICATION • WIRELESS • SOFTPHONE • VIDEO TERMINAL • INVITE with SDP • When secondary call is disconnected, held call remains on hold • RTP Relay BOX (*Not used) • MWI (RFC3842) • SESSION TIMER • SENDONLY • Distinctive Ringing • When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.	• NO DIGEST AUTHENTICATION • WIRELESS • SOFTPHONE • VIDEO TERMINAL • IP-IVR • DNIS on FROM field of INVITE • When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.	• NO DIGEST AUTHENTICATION • WIRELESS • SOFTPHONE • VIDEO TERMINAL • MWI (Extension header method) • When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.

NO DIGEST AUTHENTICATION:

Select the check box if terminals in the system do not support Digest Access Authentication.

WIRELESS:

Select the check box if the Wireless LAN terminal is used in the system.

SOFTPHONE:

Select the check box when using Softphone Wireless Handset [S-145] or Softphone Wired-Phone Handset [S-147].

VIDEO TERMINAL:

Select the check box if the Standard SIP Video Terminal is used in the system.

MWI (Extension header method):

Select the check box if Voice Mail Notification service is used with WLAN Handset (MH Series). (This parameter is valid only when TYPE=TYPE3.)

“MWI (Extension header method)” has been displayed instead of “MWI”.

MWI (RFC3842):

Select the check box if Voice Mail Notification service is used with SP Controlled Standard SIP terminals. (This parameter is valid only when TYPE=TYPE1.)

INVITE with SDP:

Select the check box if the terminal does not support INVITE without SDP. (The terminal must support reINVITE without SDP.) When the check box is selected, a dummy SDP will be added to the initial INVITE from Telephony Server. (This parameter is valid only when TYPE=TYPE1.)

When secondary call is disconnected, held call remains on hold:

Select the check box if Consultation Hold Release [C-169] (when terminal A transfers a held call (terminal B) to terminal C, terminal B remains in hold state even when terminal A and terminal C are disconnected) is used with SP Controlled Standard SIP terminals. (This parameter is valid only when TYPE=TYPE1.)

RTP Relay BOX:

Not used. (This parameter is valid only when TYPE=TYPE1.)

SESSION TIMER:

Not used. (This parameter is valid only when TYPE=TYPE1.)

SENDONLY:

Select the check box when your Standard SIP terminal enables Call Hold features supporting RFC3264 a=sendonly method. When this parameter is not selected, Standard SIP terminal performs Call Hold features supporting RFC2543 c=0 method. (This parameter is valid only when TYPE=TYPE1.)

IP-IVR:

Not used. (This parameter is valid when TYPE=TYPE2.)

DNIS on FROM field of INVITE:

Not used. (This parameter is valid when TYPE=TYPE2.)

Distinctive Ringing:

Select the check box if Distinctive Ringing is used. (This parameter is valid only when TYPE=TYPE1.)

When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.

When this check box is selected, the SET or DEL process continues without displaying a confirmation dialog even if the notification error is received from the SIP server.

Note: This check box is displayed when the target SIP terminal is either of TYPE1, TYPE2, or TYPE3 and has the terminal information.

4. Data Sheet

<BASE>

[illegible]

<TERMINAL>

[illegible]

ASPTN: Assignment of SIP Terminal Data for NDM

1. General

This command assigns and deletes the SIP terminal data. The data assigned on this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN). Use ASPTL for stand-alone system or ASPTN in the FCCS network.

2. Precautions

1. When any parameter on TERMINAL(Terminal Data) is changed, the change information is automatically sent to Telephony Server. If Telephony Server cannot receive this information due to Telephony Server status (suspend or down) or network trouble, it will make a difference of information held by Telephony Server. In this case, the SIP terminal must perform re-registration.
2. Assign the TYPE and the DETAIL parameters correctly to avoid the SIP terminals from behaving abnormally.
3. After the BASE(Base Data) data for SP Controlled Standard SIP terminals are changed, re-registration is required.

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number [A Maximum of 12 Digits]

Enter a desired Telephone Number of SIP Terminal.

**Up to 16 digits of Telephone Number can be registered when ASYDL/ASYDN SYS1 Index 702 bit0=1 (More than 12 digits of Telephone Number is available for SIP terminal) is assigned. To turn off the data of ASYDL/ASYDN SYS1 Index 702 bit0=1, you need to delete the SIP terminal data assigned when ASYDL/ASYDN SYS1 Index 702 bit0=1 is set.*

When this data is changed, re-registration of SIP terminals is required. If SIP Wireless Terminal Backup [S-154] is activated, re-registration is not required.

BASE(Base Data)

FPC: Fusion Point Code [1-253]

Enter a Fusion Point Code.

TN: Tenant Number [1-63]

Enter a desired tenant number.

STN: Station number of SIP terminal

Enter a desired station number for the SIP Terminal (assigned by ASPO).

P-NO: Private Number [A Maximum of 12 Digits]

“Access Code + Office Code” assigned by AUPVN + “Telephone Number” of SIP Terminal is automatically assigned. This parameter is displayed only.

**This parameter is not displayed when ASYDL/ASYDN SYS1 Index 702 bit0=1 is assigned.*

TERMINAL(Terminal Data)

Assign the SIP terminal information. By clicking the Terminal Data Delete button, only the TERMINAL(Terminal Data) information is deleted.

TYPE: Type of SIP Terminal

Select a desired type of SIP terminal.

TYPE1: Standard SIP Terminal that is compliant with IETF RFC3261 and its draft. Select this type when using SP Controlled Standard SIP Voice terminals or Standard SIP Video terminals.

TYPE2: Feature Extension SIP Terminal 1 that is compliant with IETF RFC3261 and its draft, or NEC unique feature extension.

TYPE3: Feature Extension SIP Terminal 2 that is compliant with IETF RFC3261, its draft, and NEC unique feature extension. Select this type when using WLAN Handset (MH Series).

TYPE4: Not used.

DOMAIN INDEX: DOMAIN NAME: Index of Domain Name [1-1020] / Domain Name that SIP Terminal belonging (Up to 128 characters)

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]

Selectable parameters in each TYPE will appear in DETAIL field as shown below when TYPE is set:

When TYPE=TYPE 1 is set	When TYPE=TYPE 2 is set	When TYPE=TYPE 3 is set
• NO DIGEST AUTHENTICATION • WIRELESS • SOFTPHONE • VIDEO TERMINAL • INVITE with SDP • When secondary call is disconnected, held call remains on hold • RTP Relay BOX (*Not used) • MWI (RFC3842) • SESSION TIMER • SENDONLY • Distinctive Ringing • When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.	• NO DIGEST AUTHENTICATION • WIRELESS • SOFTPHONE • VIDEO TERMINAL • IP-IVR • DNIS on FROM field of INVITE • When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.	• NO DIGEST AUTHENTICATION • WIRELESS • SOFTPHONE • VIDEO TERMINAL • MWI (Extension header method) • When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.

NO DIGEST AUTHENTICATION:

Select the check box if terminals in the system do not support Digest Access Authentication.

WIRELESS:

Select the check box if the Wireless LAN terminal is used in the system.

SOFTPHONE:

Select the check box when using Soft Phone Wireless Handset [S-145] or Soft Phone Wired-Phone Handset [S-147].

VIDEO TERMINAL:

Select the check box if the Standard SIP Video Terminal is used in the system.

MWI (Extension header method):

Select the check box if Voice Mail Notification service is used. (This parameter is valid only when TYPE=TYPE3.)

Note: “MWI (Extension header method)” has been displayed instead of “MWI”.

MWI (RFC3842):

Select the check box if Voice Mail Notification service is used with SP Controlled Standard SIP terminals. (This parameter is valid only when TYPE=TYPE1.)

INVITE with SDP:

Select the check box if the terminal does not support INVITE without SDP. (The terminal must support reINVITE without SDP.) When the check box is selected, a dummy SDP will be added to the initial INVITE from Telephony Server. (This parameter is valid only when TYPE=TYPE1.)

When secondary call is disconnected, held call remains on hold:

Select the check box if Consultation Hold Release [C-169] (when terminal A transfers a held call (terminal B) to terminal C, terminal B remains in hold state even when terminal A and terminal C are disconnected) is used with SP Controlled Standard SIP terminals. (This parameter is valid only when TYPE=TYPE1.)

RTP Relay BOX:

Not used. (This parameter is valid only when TYPE=TYPE1.)

SESSION TIMER:

Not used. (This parameter is valid only when TYPE=TYPE1.)

SENDONLY:

Select the check box when your Standard SIP terminal enables Call Hold features supporting RFC3264 a=sendonly method. When this parameter is not selected, Standard SIP terminal performs Call Hold features supporting RFC2543 c=0 method. (This parameter is valid only when TYPE=TYPE1.)

IP-IVR:

Not used. (This parameter is valid when TYPE=TYPE2.)

DNIS on FROM field of INVITE:

Not used. (This parameter is valid when TYPE=TYPE2.)

Distinctive Ringing:

Select the check box if Distinctive Ringing is used. (This parameter is valid only when TYPE=TYPE1.)

When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.

When this check box is selected, the SET or DEL process continues without displaying a confirmation dialog even if the notification error is received from the SIP server.

Note: This check box is displayed when the target SIP terminal is either of TYPE1, TYPE2, or TYPE3 and has the terminal information.

4. Data Sheet

<BASE>

[illegible]

<TERMINAL>

[illegible]

ASPW: Assignment of IP Station Password Data

1. General

This command assigns and deletes the password for the IP terminal/SIP terminal.

2. Precautions

1. This command can assign or delete passwords for the following terminals.
 - SP Controlled SIP terminal
 - SIP Handler Controlled SIP terminal
 - IP terminal
 - SIP Multiple Line terminal
2. Up to 16 digit password can be set for Telephone Number used for SP Controlled SIP terminal.
3. Up to 10 digit password can be set for Telephone Number used for IP terminal, SIP Multiple Line terminal and SIP Handler Controlled SIP terminal.
4. After a password is set to Telephone Number of SP Controlled SIP terminal, back up the data by selecting the Data Type Select: SIP Terminal Call Transfer parameter in the MEM_HDD command.
5. After a password is set to Telephone Number of IP terminal, SIP Multiple Line terminal and SIP Handler Controlled SIP terminal, back up the data by selecting the Data Type Select: Call Forwarding parameter in the MEM_HDD command.
6. In the following state which SP Controlled SIP terminal cannot transmit notifications to SP, error messages are output by clicking the Set button.
 - Network condition is not normal, or SP does not respond because it is not activated.
 - INDEX: Index of Domain Name which is assigned to Telephone Number with the ASPTL/ASPTN command is not registered to SP.
 - Errors other than the above mentioned occur.

If “Yes” button is clicked in the above, data is written only to a TP. If “No” button is clicked, it returns to the original screen.

7. Deleting the password for the IP terminal/SIP terminal is also available with the RDPD command.

3. Data Entry Instructions

TYPE: Kind of Office Data

Specify a data memory (either NDM or LDM) storing the Station data.

UGN: User Group Number**TELN: Telephone Number [A Maximum of 12 Digits]**

Enter a desired Telephone Number of IP terminal/SIP terminal.

Note: Up to 16 digits of Telephone Number can be registered when ASYDL/ASYDN, SYS1, Index 702 bit0=1 (More than 12 digits of Telephone Number is available for SIP terminal) is assigned. To turn off the data of ASYDL/ASYDN SYS1 Index 702 bit0=1, you need to delete the SIP terminal data assigned when ASYDL/ASYDN SYS1 Index 702 bit0=1 is set. When this data is changed, re-registration of SIP terminals is required. If SIP Wireless Terminal Backup [S-154] is activated, re-registration is not required.

Current Password:

16 asterisks (*) are always displayed if the current password data exists.

New Password: [Maximum 16 digits (0-9, *, #)]

Enter the new password.

New Password Confirmation: [Maximum 16 digits (0-9, *, #)]

Enter the new password again.

When the notification error occurs in SET or DEL process, then continue processing without displaying a confirmation dialog.

When this check box is selected, the SET or DEL process continues without displaying a confirmation dialog even if the notification error is received from the SIP server.

Note: This check box is displayed when an SP Controlled SIP terminal is the target to execute this command.

4. Data Sheet

[illegible]

ASRIL: Assignment of SIP Register Information for LDM

1. General

This command assigns the Register Information per Telephone Number for MG-SIP.

2. Precautions

1. Up to 4000 of Register Information can be specified per system.
2. Up to 1000 of Register Information can be specified per MG-SIP.
3. Up to 15 MG-SIPs can be specified per MG-SIP Group.

3. Data Entry Instructions

MG Group: MG-SIP Group Number 1-15

Determine a MG-SIP Group Number.

MG Number: MG-SIP Number 1-15

Determine a MG-SIP Number on each MG-SIP.

CNT Start - End: Range of Registration Information

Enter a range of Register Information to be read out.

CNT (1-100)

Select a counter value to manage Register Information.

Calling Number

Enter a telephone number to be used in SIP Network.

SIP URI

Enter SIP Uniform Resource Identifiers (URI) to be used in SIP Network. Up to 32 characters can be specified.

UserID

Enter a User ID for authentication. Up to 32 characters can be specified.

Password

Enter a password for authentication. Up to 32 characters can be specified.

Reg

Determine to use authentication information.

Reg Status

This indicates whether MG-SIP has been completed on a count basis.

OK = Authentication has been completed.

NG = Authentication has failed.

4. Data Sheet

[illegible]

[illegible]

ASSDL: Assignment of SIP Server Operating Data for LDM

1. General

This command assigns and deletes configuration data in a SP. This data is written in Local Data Memory (LDM). Use ASSDL for stand-alone system or ASSDN in the FCCS network.

2. Precautions

1. When any parameter on this command is changed, the change information is automatically sent to SP. If the SP cannot receive this information due to system or network trouble, it will make a difference of information held by TP and SP. In this case, the SP must be restarted to match the data.
2. When parameters on the BASE DATA tab have been entered, the data entries on the DOMAIN, PRESENCE SERVER and REDUNDANCY tabs become valid. To delete the data on the BASE DATA tab, delete the data on the DOMAIN, PRESENCE SERVER and REDUNDANCY tabs first.
3. Four or more consecutive groups having no station or trunk data are required to assign the LENS of speech channels by this command. For the system having PHC data, check the current LENS data setting for PHC speech channels before assigning the LENS parameter of this command. If four or more consecutive groups are not used for the PHC LENS (speech channels), it is necessary to assign the LENS data again by ATRK command. Four or more consecutive groups are required for the PHC LENS (speech channels) as for the LENS parameter of this command.
4. Before assigning this command, be sure to clear the data in SIP Server ID (StaticInfo.txt: SipSrvID) for both system #0 and system #1 by ASPC command. Then, configure the SIP Server ID once again in this command.
5. When you change a SIP Server ID while the system is in operation, delete all the unnecessary data and then assign new data.

3. Data Entry Instructions

SIP Server ID: ID of SP [1-127]

Enter a desired SP ID.

Note: When Gate Keeper is connected to the same system, the ID assigned to the Gate Keeper cannot be assigned to SP.

<BASE DATA tab>

CHANNEL: Number of SIP Terminal Speech Channels [3-1200]

Enter a maximum of SIP Terminal Speech Channels. (Enter multiples of 3. For example, if 4 or 5 is entered, 6 is automatically set.)

The Maximum of SIP Terminal Speech Channels that can be assigned to each LP (Local Partition) is “402”. When using SIP Wireless Terminal Backup [S-154], up to 804 speech channels can be assigned per LP (up to 402 speech channels per LP for one SIP server ID).

Note: When a larger number than “402” is desired, enter “402” for assigning first. Next change LP (Local Partition), enter a desired number and press the “Change” button. Refer to “Example Assignment of Maximum Number of Speech Channels” on the page 1482.

When SIP Terminal Speech Channels are changed during operation, SP must be re-started.

When SP is restarted, a new outgoing/incoming call can not be made until REGISTER message of terminal is sent and registered to SP again. Restart the terminal (power Off → On).

NAME: SP Name [16 Characters]

Enter a desired SP Name. This parameter can be omitted.

TN: Tenant Number [1-63]

Enter a desired tenant number if not specified.

LENS: SP Accommodation Location

Specify the range of LENS for virtual speech channels having no station or trunk data. It is not available to overwrite the existing station or trunk data.

MG: Module Group Number [0-31]

Enter desired range of module group numbers.

UNIT: Unit Number [0-3]

Enter desired range of unit numbers.

GROUP: Group Number [0-23]

Enter desired range of group numbers.

LEVEL: Level Number [0,4]

Enter desired range of level numbers.

The Terminal attestation of Call is omitted:

If checked, the terminal attestation of Call is omitted. If not checked, The terminal attestation of call is performed.

Change Port Number of SIP Server: Port Number of SIP Server [1024-65534](Default = 5060)

As only “Default = 5060” is available, Port Number must not be changed.

NCHANNEL: Necessary SIP Terminal Number [3-1200] (For viewing only)

ACHANNEL: Already Assigned SIP Terminal Number [3-1200] (For viewing only)

PCN: Automatically Assigned Number [1024 or greater] (For viewing only)

NVCSN: Reference Data for NEC engineers (For viewing only)

AVCSN: Reference Data for NEC engineers (For viewing only)

ERN: Specified SIP Server ID (For viewing only) **Note 1**

Note 1: If the number of SIP server IDs exceeds 31, ERN may not be displayed correctly.

[Example Assignment of Maximum Number of Speech Channels]

The following example shows how to assign 1200 virtual speech channels:

(1) Assign “402” channels.

CHANNEL: **402**

LENS: LENS of **SP**

MG: Module Group

START: 2 END: 3

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

(2) Assign “804” channels.

CHANNEL: **804**

LENS: LENS of **SP**

MG: Module Group

START: 4 END: 5

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

(3) Assign “1200” channels.

CHANNEL: **1200**

LENS: LENS of **SP**

MG: Module Group

START: 6 END: 7

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

When using SIP Wireless Terminal Backup [S-154], follow steps 4~6 for the paired SPSIP server ID.

(4) Assign “402” channels.

CHANNEL: **402**

LENS: LENS of **SP**

MG: Module Group

START: 2 END: 3

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

(5) Assign “804” channels.

CHANNEL: **804**

LENS: LENS of **SP**

MG: Module Group

START: 4 END: 5

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

(6) Assign “1200” channels.

CHANNEL: **402**

LENS: LENS of **SP**

MG: Module Group

START: 6 END: 7

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

<DOMAIN>**DOMAIN NAME LIST**

Indexes and domain names assigned by ASDIL are displayed. To add domains, click the Addition button to show a list of domain names on another screen. Select the appropriate domain and click the Set button.

<PRESENCE SERVER>

The following parameter inputs are necessary when the presence server is used.

IP ADDRESS: IP Address of Presence Server

Enter an IP address of Presence Server.

PORT NUMBER: Port Number of Presence Server [1024-65534]

Enter a port number of Presence Server. (Usually set “6060”.)

<REDUNDANCY>

Register the SIP server ID of the paired CPU card if the Telephony Server is built with dual CPU cards.

Pair SIP Server ID: ID of Redundant Partner CPU [1-127]

Enter SIP Server ID of the redundant partner CPU.

Note: This command must be assigned when Telephony Server is in dual configuration. If SR-MGC is connected when the system is in dual configuration, a switchover to SR-MGC will only be executed when ACT-side and STBY-side are both down.

4. Data Sheet**<BASE DATA> (1/2)**

No.	SIP Server ID	CHANNEL	NAME	TN	MG		UNIT	
					START	END	START	END
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

<BASE DATA> (2/2)

No.	GROUP		LEVEL		DETAIL	
	START	END	START	END	The Terminal attestation of Call is omitted	Change Port Number of SIP Server
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						

<DOMAIN>

[illegible]

<PRESENCE SERVER>

[illegible]

<REDUNDANCY>

[illegible]

ASSDN: Assignment of SIP Server Operating Data for NDM

1. General

This command assigns and deletes configuration data in a **SP**. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN). Use ASSDL for stand-alone system or ASSDN in the FCCS network.

2. Precautions

1. When any parameter on this command is changed, the change information is automatically sent to **SP**. If the **SP** cannot receive this information due to system or network trouble, it will make a difference of information held by TP and **SP**. In this case, the **SP** must be restarted to match the data.
2. When parameters on the BASE DATA tab have been entered, the data entries on the DOMAIN, PRESENCE SERVER and REDUNDANCY tabs become valid. To delete the data on the BASE DATA tab, delete the data on the DOMAIN, PRESENCE SERVER and REDUNDANCY tabs first.
3. Four or more consecutive groups having no station or trunk data are required to assign the LENS of speech channels by this command. For the system having PHC data, check the current LENS data setting for PHC speech channels before assigning the LENS parameter of this command. If four or more consecutive groups are not used for the PHC LENS (speech channels), it is necessary to assign the LENS data again by ATRK command. Four or more consecutive groups are required for the PHC LENS (speech channels) as for the LENS parameter of this command.
4. Before assigning this command, be sure to clear the data in SIP Server ID (StaticInfo.txt: SipSrvID) for both system #0 and system #1 by ASPC command. Then, configure the SIP Server ID once again in this command.
5. When you change a SIP Server ID while the system is in operation, delete all the unnecessary data and then assign new data.

3. Data Entry Instructions

SIP Server ID: ID of SP [1-127]

Enter a desired SP ID.

Note: When Gate Keeper is connected to the same system, the same ID assigned to the Gate Keeper cannot be assigned to SP.

FPC: Fusion Point Code [1-253]

Enter a desired FPC.

<BASE DATA tab>**CHANNEL: Number of SIP Terminal Speech Channels [3-1200]**

Enter a maximum of SIP Terminal Speech Channels. (Enter multiples of 3. For example, if 4 or 5 is entered, 6 is automatically set.)

The Maximum of SIP Terminal Speech Channels that can be assigned to each LP (Local Partition) is “402”. When using SIP Wireless Terminal Backup [S-154], up to 804 speech channels can be assigned per LP (up to 402 speech channels per LP for one SIP server ID).

Note: When a larger number than “402” is desired, enter “402” for assigning first. Next change LP (Local Partition), enter a desired number and press the “Change” button. Refer to “Example Assignment of Maximum Number of Speech Channels” on the [page 1493](#).

When SIP Terminal Speech Channels are changed during operation, SP must be re-started.

When SP is restarted, a new outgoing/incoming call can not be made until REGISTER message of terminal is sent and registered to SP again. Restart the terminal (power Off → On).

NAME: SP Name [16 Characters]

Enter a desired SP Name. This parameter can be omitted.

TN: Tenant Number [1-63]

Enter a desired tenant number if not specified.

LENS: SP Accommodation Location

Specify the range of LENS for virtual speech channels having no station or trunk data. It is not available to overwrite the existing station or trunk data.

MG: Module Group Number [0-31]

Enter desired range of module group numbers.

UNIT: Unit Number [0-3]

Enter desired range of unit numbers.

GROUP: Group Number [0-23]

Enter desired range of group numbers.

LEVEL: Level Number [0,4]

Enter desired range of level numbers.

The Terminal attestation of Call is omitted:

If checked, the terminal attestation of Call is omitted. If not checked, The terminal attestation of call is performed.

Change Port Number of SIP Server: Port Number of SIP Server [1024-65534](Default = 5060)

As only “Default = 5060” is available, Port Number must not be changed.

NCHANNEL: Necessary SIP Terminal Number [3-1200] (For viewing only)

ACHANNEL: Already Assigned SIP Terminal Number [3-1200] (For viewing only)

PCN: Automatically Assigned Number [1024 or greater] (For viewing only)

NVCSN: Reference Data for NEC engineers (For viewing only)

AVCSN: Reference Data for NEC engineers (For viewing only)

ERN: Specified SIP Server ID (For viewing only) **Note 1**

Note 1: If the number of SIP server IDs exceeds 31, ERN may not be displayed correctly.

[Example Assignment of Maximum Number of Speech Channels]

The following example shows how to assign 1200 virtual speech channels:

(1) Assign “402” channels.

CHANNEL: **402**
LENS: LENS of SP
MG: Module Group
 START: 2 END: 3
UNIT: Unit
 START: 1 END: 3
GROUP: Group
 START: 0 END: 23
LEVEL: Level
 START: 0 END: 4

(2) Assign “804” channels.

CHANNEL: **804**
LENS: LENS of SP
MG: Module Group
 START: 4 END: 5
UNIT: Unit
 START: 1 END: 3
GROUP: Group
 START: 0 END: 23
LEVEL: Level
 START: 0 END: 4

(3) Assign “1200” channels.

CHANNEL: **1200**
LENS: LENS of SP
MG: Module Group
 START: 6 END: 7
UNIT: Unit
 START: 1 END: 3
GROUP: Group
 START: 0 END: 23
LEVEL: Level
 START: 0 END: 4

When using SIP Wireless Terminal Backup [S-154], follow steps 4~6 for the paired SPSIP server ID.

(4) Assign “402” channels.

CHANNEL: **402**

LENS: LENS of SP

MG: Module Group

START: 2 END: 3

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

(5) Assign “804” channels.

CHANNEL: **804**

LENS: LENS of SP

MG: Module Group

START: 4 END: 5

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

(6) Assign “1200” channels.

CHANNEL: **402**

LENS: LENS of SP

MG: Module Group

START: 6 END: 7

UNIT: Unit

START: 1 END: 3

GROUP: Group

START: 0 END: 23

LEVEL: Level

START: 0 END: 4

<DOMAIN>**DOMAIN NAME LIST**

Indexes and domain names assigned by ASDIN are displayed. To add domains, click the Addition button to show a list of domain names on another screen. Select the appropriate domain and click the Set button.

<PRESENCE SERVER>

This parameter inputs are necessary when the presence server is used.

IP ADDRESS: IP Address of Presence Server

Enter an IP address of Presence Server.

PORT NUMBER: Port Number of Presence Server [1024-65534]

Enter a port number of Presence Server. (Usually set “6060”.)

<REDUNDANCY>

Register the SIP server ID of the paired CPU card if the Telephony Server is built with dual CPU cards.

Pair SIP Server ID: ID of Redundant Partner CPU [1-127]

Enter SIP Server ID of the redundant partner CPU.

Note: This command must be assigned when Telephony Server is in dual configuration. If SR-MGC is connected when the system is in dual configuration, a switchover to SR-MGC will only be executed when ACT-side and STBY-side are both down.

4. Data Sheet

<BASE DATA> (1/2)

No.	SIP Server ID	FPC	CHAN- NEL	NAME	TN	MG		UNIT	
						START	END	START	END
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

<BASE DATA> (2/2)

No.	GROUP		LEVEL		DETAIL	
	START	END	START	END	The Terminal attestation of Call is omitted	Change Port Number of SIP Server
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						

<DOMAIN>

[illegible]

<PRESENCE SERVER>

[illegible]

<REDUNDANCY>

[illegible]

ASTD: Assignment of State Translation Data

1. General

This command translates the system attributes.

2. Precautions

- One STM contains multiple numbers of STSs, and the combination of the STM “n” and STS “n” has one kind (or multiple kinds) of purposes designated. The data “0” or “1” assigned in ST designates how the system works. See the table listed below for assigning ASTD data.

3. Data Entry Instructions

Note that in the case of STM=0 and STS = 0, one setting applies to five items. Standard setting for each item is indicated by a *.

List for Assignment of ASTD

STM	STS		ST * = standard settings	
0	0	Processing at the time of originating an outgoing C.O. line call	0	If the calling station is that of RSC = 1, 3, the call is outgoing via LCR.
			1*	The call is processed by second Dial Tone system.
		Processing for an override from a station into a connection between COT and another station	0	Override not allowed
			1*	Override allowed
		Passing Dial Tone	0	Invalid
			1*	Valid
		Processing for warning tone sending at the moment when ATT has overridden into a connection between COT and a station (Busy Verification)	0	Warning tone is sent out to both the ATT and the station.
			1*	Warning tone is sent out to both the station, ATT, and C.O. side.
		Processing for a warning tone sending at the moment when ATT has overridden into busy COT (Attendant Override)	0	Warning tone is not sent out the C.O. side.
			1*	Warning tone is also sent out to the C.O. side.
	1	Kind of trunk to be seized for an outgoing C.O. line call from ATT	0	BWT only
			1*	Either BWT or OGT as the case may be
	2	Tandem connection with COT included	0	Restricted
			1*	Allowed (depending on ARRC)
	3	Enable Passing Dial Tone	0*	
	4	Busy Verification Tone for Attendant and Station only	0*	

List for Assignment of ASTD (Continued)

STM	STS		ST	
1	0	Trunk Release	0	Station (Calling Party Release)
			1	Trunk Note 1
	1	Sending ROT to the station upon receiving CLR FWD signal (only for Russia)	0	Restricted
			1	Allowed
2	0	Three-way calling with COT included	0	Restricted
			1*	Allowed
	1	Three-way calling with COT included in Executive Right-of-Way service	0	Restricted
			1*	Allowed
	2	Outgoing call to a C.O. line or a Tie Line after holding the COT Note 2 Note 3	0	Restricted
			1*	Allowed
	3	Outgoing call to a C.O. line after holding a station or a Tie Line Note 4	0	Restricted
			1*	Allowed
	4	Processing for calling a fully-restricted station after holding the COT	0	Restricted
			1*	Allowed Note: The call can be transferred.
	5	Processing in which ATT overrides to the connection between the COT and a station (Busy Verification) and then the Busy Verification Warning Tone is sent out periodically	0*	Warning tone is sent to both the station and ATT.
			1	Warning tone is sent to the station, ATT, and C.O. side.
	6	Step call when a Tie Line incoming call encounters busy	0	Allowed
			1	Restricted

Note 1: Valid when C.O. line provides a release signal. Standard Setting is 1.

Note 2: Valid on OGC/OGCA/LCRS.

Note 3: When allowing a COT-SYSTEM-COT connection, if the C.O. line provides no release signal, the line cannot be released. Therefore, this connection should be allowed for C.O. line that provides a release signal.

Note 4: Valid on OGC/OGCA.

List for Assignment of ASTD (Continued)

STM	STS		ST	
4	0	Remote Access to System/Automated Attendant	0	Not provided
			1*	In service
6	0	DAY/NIGHT mode changeover system	0	Not used
			1*	Fixed to "1".
	1		0*	
	2		0*	
	3		0*	
7	0	ATT Peg Count for FX, WATS, and CCSA	0	Not provided
			1*	In service

4. Data Sheet

STATE TRANSLATION MAIN CATEGORY NUMBER (STM) 0 - 31	STATE TRANSLATION CATEGORY NUMBER (STS) 0 - 31	STATE TRANSLATION INFORMATION (ST) 0/1	REMARKS
0	0		
	1		
	2		
	3		
	4		
1	0		
	1		
2	0		
	1		
	2		
	3		
	4		
	5		
	6		
4	0		
6	0		
	1	0	
	2	0	
	3	0	
7	0		

ASTN: Assignment of Station Number

1. General

This command changes the physical station number assigned to a particular LENS.

2. Precautions

1. The primary digit, the number of digits, and the Kind of Service (SRV="STN: station number") that is designated by the ANPD and ASPA command affect the new station number. The new station number must be assigned according to the numbering plan data.
2. The number of station number (STN) digits is designated by the ASYD command, SYS1, Index 16.
3. This command can be used only when designated old station (OLD STN) is idle and when the designated new station (NEW STN) number is currently unassigned (i.e. cannot be in ASDT, AMNO, APHN, etc.).
4. Update the station number changed in this command on the data sheet in the ASDT command.

3. Data Entry Instructions

TN: Tenant Number

OLD STN: Old station number

The station number that has been assigned by the ASDT command.

NEW STN: New station number

Enter the new station number corresponding to the existing numbering plan.

ASTP: Assignment of Signal Translation Pattern

1. General

This command assigns the Incoming/Outgoing Signal Translation Pattern Number (PNI/PNO) for the incoming or outgoing trunk route.

2. Precautions

1. The PNI/PNO is an intermediate parameter for assigning additional digits (and skip digits) by the AISP/AOSP command.
 - (a) When IC/OG = IC (Incoming) is entered, the additional digits are assigned by the AISP command.
 - (b) When IC/OG = OG (Outgoing) is entered, the additional digits and skip digits are assigned by the AOSP command.
2. The number translation for the OGC/OGCA method (outgoing calls) is done by ASTP/AOSP commands. Since the additional digits and skip digits can be assigned by the AOPR/AADC commands for LCR/LCRS method, the ASTP/AOSP command may not be required.
3. The system processes ASTP/AISP commands prior to processing the numbering plan data. If the LCR Access Code is added to the received numbers by the ASTP/AISP command, the system processes the LCR related commands such as ASPA/AFRS/AOPR.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the tenant number this command affects. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b4, b5=1), assign the TN parameter as data "1" for all tenants.

3. Data Entry Instructions

- ◆ When IC/OG=IC (Incoming) is selected:

IC/OG: Incoming/Outgoing Call

1=IC (Incoming)

TN: Tenant Number

RT: Route Number [1-255]

The external trunk route number.

PNI: Incoming Signal Translation Pattern Number [1-15]

Enter any number with a range of 1 to 15.

- ◆ When IC/OG=OG (Outgoing) is selected:

IC/OG: Incoming/Outgoing Call

2=OG (Outgoing)

TN: Tenant Number

RT: Route Number [1-255]

The external trunk route number.

PNO: Outgoing Signal Translation Pattern Number [1-15]

Enter any number with a range of 1 to 15.

4. Data Sheet

(a) Incoming

INCOMING/ OUTGOING CALL (IC/OG)	TENANT NUMBER (TN)	ROUTE NUMBER (RT)	INCOMING SIGNAL TRANSLATION PATTERN NUMBER (PNI) 1 – 15	REMARKS
IC				

(b) Outgoing

INCOMING/ OUTGOING CALL (IC/OG)	TENANT NUMBER (TN)	ROUTE NUMBER (RT)	OUTGOING SIGNAL TRANSLATION PATTERN NUMBER (PNO) 1 – 15	REMARKS
OG				

ASTPL: Assignment of Signal Translation Pattern for LDM

1. General

This command assigns the Incoming/Outgoing Signal Translation Pattern Number (PNI/PNO) for incoming or outgoing trunk route. This data is written in Local Data Memory (LDM).

2. Precautions

1. The PNI/PNO is an intermediate parameter for assigning additional digits (and skip digits) by the AISPL/AOSPL command.
 - (a) When IC/OG=IC (Incoming) is entered, the additional digits are assigned by the AISPL command.
 - (b) When IC/OG=OG (Outgoing) is entered, the additional digits and skip digits are assigned by the AOSPL command.
2. The number translation for the OGC/OGCA method (outgoing calls) is done by the ASTPL/AOSPL commands. Since the additional digits and skip digits can be assigned by the AOPRL/AADCL commands for LCR/LCRS method, the ASTPL/AOSPL commands may not be required.
3. The system processes ASTPL/AISPL command prior to the numbering plan data. If the LCR Access Code is added to the received numbers by the ASTPL/AISPL command, the system processes the LCR related command such as ASPAL/AFRSL/AOPRL.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the tenant number in which this command effects. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b4, b5=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

◆ When IC/OG=IC (Incoming) is selected:

IC/OG: Incoming/Outgoing Call

1=IC (Incoming)

TN: Tenant Number

LGRT: Logical Route Number [1-899]

PNI: Incoming Signal Translation Pattern Number [1-15]

Enter any number with a range of 1 to 15.

- ◆ When IC/OG=OG (Outgoing) is selected:

IC/OG: Incoming/Outgoing Call

2=OG (Outgoing)

TN: Tenant Number

LGRT: Logical Route Number [1-899]

PNO: Outgoing Signal Translation Pattern Number [1-15]

Enter any number with a range of 1 to 15.

4. Data Sheet

(a) Incoming

INCOMING/ OUTGOING CALL (IC/OG)	TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT) 1-899	INCOMING SIGNAL TRANSLATION PATTERN NUMBER (PNI) 1 – 15	REMARKS
IC				

(b) Outgoing

INCOMING/ OUTGOING CALL (IC/OG)	TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT) 1-899	OUTGOING SIGNAL TRANSLATION PATTERN NUMBER (PNO) 1 – 15	REMARKS
OG				

ASTPN: Assignment of Signal Translation Pattern for NDM

1. General

This command assigns the Incoming/Outgoing Signal Translation Pattern Number (PNI/PNO) for incoming or outgoing trunk route in the FCCS Network. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The PNI/PNO is an intermediate parameter for assigning additional digits (and skip digits) by the AISP/ AOSP command.
 - (a) When IC/OG=IC (Incoming) is entered, the additional digits are assigned by the AISP command.
 - (b) When IC/OG=OG (Outgoing) is entered, the additional digits and skip digits are assigned by the AOSP command.
2. The number translation of the OGC/OGCA method (outgoing calls) is done by the ASTPN/AOSP commands. Since the additional digits and skip digits can be assigned by the AOPR/AADC commands for LCR/LCRS method, the ASTPN/AOSP command may not be required.
3. The system processes the ASTPN/AISP command prior to the numbering plan data. If the LCR Access Code is added to the received numbers by the ASTPN/AISP command, the system processes the LCR related command such as ASPAN/AFRSN /AOPR.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the tenant number in which this command effects. If data of this command is common for all tenants (ASYDN command, SYS1, Index 800, b4, b5=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

◆ When IC/OG=IC (Incoming) is selected:

IC/OG: Incoming/Outgoing Call

1=IC (Incoming)

TN: Tenant Number

LGRT: Logical Route Number [1-899]

PNI: Incoming Signal Translation Pattern Number [1-15]

Enter any number with a range of 1 to 15.

- ◆ When IC/OG=OG (Outgoing) is selected:

IC/OG: Incoming/Outgoing Call

2=OG (Outgoing)

TN: Tenant Number

LGRT: Logical Route Number [1-899]

PNO: Outgoing Signal Translation Pattern Number [1-15]

Enter any number with a range of 1 to 15.

4. Data Sheet

(a) Incoming

INCOMING/ OUTGOING CALL (IC/OG)	TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT) 1-899	INCOMING SIGNAL TRANSLATION PATTERN NUMBER (PNI) 1 – 15	REMARKS
IC				

(b) Outgoing

INCOMING/ OUTGOING CALL (IC/OG)	TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT) 1-899	OUTGOING SIGNAL TRANSLATION PATTERN NUMBER (PNO) 1 – 15	REMARKS
OG				

ASYD: Assignment of System Data

1. General

The ASYD command assigns the system data for the following node:

- Local Node (LN)/Network Control Node (NCN) of the FCCS Network.
- Stand-alone Node

2. Precautions

1. The data assigned by this command is valid in each node.
2. The ASYD command contains the following indexes:
SYS1, Index 0-511
SYS2, Index 0-15
SYS3, Index 0-31
3. Be careful not to mistakenly set unused data bits to ON in order to prevent unexpected results.

3. Data Entry Instructions

Define each bit's corresponding data referring to the SYSTEM DATA CONTENTS

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0-511	DATA (DATA) 00-FF (Hex)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	n	03	1	b ₀	xxx service 0/1 = Not to be provided/To be provided
			1	b ₁	yyy service 0/1 = Not to be provided/To be provided
			0	b ₂	Not used
			0	b ₃	Not used
			0	b ₄	Not used
			0	b ₅	Not used
			0	b ₆	Not used
			0	b ₇	Not used
	n+1	FF			Number of zzz

DATA		DATA							
DATA	BIT	Convert from Binary DATA to Hexadecimal, and enter the HEX value at DATA text box.							
1	b ₀								
1	b ₁								
0	b ₂								
0	b ₃								
0	b ₄								
0	b ₅								
0	b ₆								
0	b ₇								
BIT		b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀
DATA		0	0	0	0	0	0	1	1
Hex		0				3			

SYS: System Data Type [1-3]**TN: Tenant Number [1-63]**

Input the tenant number when the system data type is “2”.

INDEX: System Data Index [0-511]

The index number range is different for “SYS” parameter as follows:

Case of SYS=1: Index=0-511

Case of SYS=2: Index=0-15

Case of SYS=3: Index=0-31

Kind of Input

HEX : Input the data in hexadecimal

BIT : Input the data in binary

[List of System Data]

Read Data : The read data is displayed in hexadecimal.

HEX (00-FF) : The field is available only when “Kind of Input = HEX”.

B7-B0 (0/1) : These fields are available only when “Kind of Input = BIT”.
Each bit can be on or off.

DEC (0-255) : The input value is converted to decimal.

The Next Data Get Automatically After Writing [ON/OFF]

When this check box is marked, clicking the SET button takes you to the next INDEX page.

4. QUICK REFERENCE TABLE FOR ASYD

INDEX SYS1-3

SYS1	INDEX 40s.	INDEX 80s.	INDEX 120s.	INDEX 160s.
INDEX 0-	40	80	120-124	160
0	41	81	125	161
1	42	82	126	162
2	43	83	127	163
3	44	84	128	164
4	45	85	129	165
5	46	86	INDEX 130s.	166
6	47	87	130	167
7	48-49	88	131	168
8	INDEX 50s.	89	132	169
9	50-55	INDEX 90s.	133	INDEX 170s.
INDEX 10s.	56	90	134	170
10	57	91	135	171
11	58	92	136	172
12	59	93	137	173
13	INDEX 60s.	94	138	174
14	60	95	139	175
15	61	96	INDEX 140s.	176
16	62	97	140	177
17	63	98	141	178
18	64	99	142	179
19	65	INDEX 100s.	143	INDEX 180s.
INDEX 20s.	66	100	144	180
20	67	101	145	181
21-26	68	102	146	182
27	69	103	147	183
28	INDEX 70s.	104	148	184
29	70	105	149	185
INDEX 30s.	71	106	INDEX 150s.	186
30	72	107	150	187
31	73	108	151	188
32	74	109	152	189
33	75	INDEX 110s.	153	INDEX 190s.
34	76	110	154	190
35-37	77	111	155	191
38	78	112	156	192
39	79	113	157	193
		114	158	194
		115	159	195-197
		116-119		198
				199

INDEX 200s.	INDEX 250s.	INDEX 330s.- 360s.	INDEX 420s.- 430s.	INDEX 510s.
200	250		420	510-511
201	251	330-367	421-431	
202	252	368	432	
203	253	369	433	
204	254	INDEX 370s.	434	
205	255		435	
206	256	370	436-439	
207	257	371	INDEX 440s.	
208	258	372		
209	259	373	440	
INDEX 210s.	INDEX 260s.- 270s.	374	441-447	
210-213		375	448	
214	260-279	376-379	449	
215-219	INDEX 280s.	INDEX 380s.	INDEX 450s.	
INDEX 220s.		380-383		
220	280-287	384	450	
221-225	288	385	451	
226	289	386	452-459	
227-228	INDEX 290s.	387	INDEX 460s.	
229		388		
INDEX 230s.	290	389	460-463	
	291	INDEX 390s.	464	
230	292		465	
231	293	390	466	
232	294	391	467	
233	295	392-399	468	
234	296	INDEX 400s.	469	
235-236	297-299		INDEX 470s.	
237	INDEX 300s.	400		
238		401	470	
239	300	402	471	
INDEX 240s.	301-303	403	472-473	
	304	404-409	474	
240	305	INDEX 410s.	475-479	
241	306		INDEX 480s.	
242	307	410		
243	308	411	480-485	
244	309	412-416	486	
245	INDEX 310s.- 320s.	417	487-489	
246		418-419	INDEX 490s.- 500s.	
247				
248	310-320		490-506	
249	321		507	
	322		508	
	323-329		509	

SYS2**INDEX 0-**

0
1
2
3
4
5
6
7
8
9

INDEX 10s.

10
11
12
13
14
15

SYS3**INDEX 0-**

0
1
2
3
4-6
7
8
9

INDEX 10s.

10
11
12
13
14
15
16-19

INDEX 20s.-30s.

20-31

5. Data Sheet

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	0				Number of Module Group (MG) IMG system = 01 HEX ~ 02 HEX (MG 00~01) MMG system = 01 HEX ~ 08 HEX (MG 00~07) UMGi/RNIP system = 01 HEX ~ 20 HEX (MG00~31) Note 1
	1	01			Number of Main Processor (fixed to “01”)
	2			b ₀	0/1 = Built-in ACDP is not provided/provided. Also number of memory package. Note 2
			0	b ₁ -b ₇	Not used
	3				Configuration of Time Division System 00 = Without TSW, 01 = Single, 02 = Dual Note 3

Note 1: When using the PHS/PCS System or accommodating SP Controlled SIP terminal under the UMGi system, module allocations must be carefully considered, since the Wireless System and SP Controlled SIP terminal adopts Phantom Equipment Number (PHIN: MG20-31) for each PS/SP Controlled SIP terminal accommodation.

When assigning the APSD command data for each PSs or the ASPO command data for SP Controlled SIP terminals, the system automatically assigns any physically-existing port, out of the MG20-MG31 sphere. At this time, the first PS/SP Controlled SIP terminal is assigned the last number LENS of 313237 (MG=31, U=3, G=23, Lv=7) as the PHIN, and then the second to the next last number LENS of 313236 (MG=31, U=3, G=23, Lv=6). A maximum of 4000 PS terminals (including SIP terminals) can be accommodated in the system.

The number of PS/SP Controlled SIP terminal	MGs to be used as PS PHIN
0 - 768	MG31
769 - 1536	MG30 - 31
1537 - 2304	MG29 - 31
2305 - 3072	MG28 - 31
3073 - 3840	MG27 - 31
3841 - 4000 (Maximum)	MG26 - 31

Note 2: For the ACD system activated through the FCCS network, this data is programmed in the node providing ACDP only. System data other than Index 2 must be set to all nodes provided ACD trunk-FCCS within FCCS network. If this command is modified, the system must be initialized.

Note 3: Redundancy is only supported in the SV9500 Appliance Model. For the SV9500 Prepackaged Server Model, do not assign 02h.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS															
			DATA 0/1	BIT																
1	4			b ₀	Control of ORT all Busy Status 0/1 = ROT/Queue															
				b ₁	Recalling method when the caller has released with Emergency Call service 0/1 = SHF or Pressing TRANSFER key/Recalled Automatically.															
				b ₂	Releasing Method for Station-to-Station Calling Service															
				b ₃	<table><tr><td>b₃</td><td>b₂</td><td></td></tr><tr><td>0</td><td>0</td><td>= Calling Party release</td></tr><tr><td>0</td><td>1</td><td>= Called Party release</td></tr><tr><td>1</td><td>0</td><td>= First Party release</td></tr><tr><td>1</td><td>1</td><td>= Both Party release</td></tr></table> Normally assign “First Party release”	b ₃	b ₂		0	0	= Calling Party release	0	1	= Called Party release	1	0	= First Party release	1	1	= Both Party release
			b ₃	b ₂																
			0	0	= Calling Party release															
			0	1	= Called Party release															
			1	0	= First Party release															
1	1	= Both Party release																		
	b ₄	Temporary Class Conversion/OAI Free Location Memory 0/1 = Not Required/Required Note: When setting Outgoing Restriction and Toll Restriction in CCIS using the caller's RSC transferred by a call origination from the preceding office, data value “1” is assigned. Destination restriction and number restriction cannot be made using RSC. This data is assigned “1” when the authorization code is provided.																		
	b ₅	PAD Control of 16LC circuit card (for Station-to-Station Calling only) 0/1: Required/Not Required																		
	b ₆	One Burst of Ringing On Call Forwarding (CF) phone when CF – All Calls service has been assigned (analog phones only). 0/1 = Not Required/Required																		
	b ₇	Emergency Call Printout 0/1 = No printout/Printout																		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	5			b ₀	Access Code for CF-Busy Line and CF – Don't Answer Services 0/1 = Same/Separate Note: If "0" is assigned, assign either SID: 10 or 12 in ASPA.
				b ₁	Maximum number of Multiple Call Forwarding – All Calls/Busy Line/Logout occurrences: <u>b₃</u> <u>b₂</u> <u>b₁</u> 0 0 0 : 0 0 1 : 0 1 0 : 0 1 1 :] once twice three times <u>b₃</u> <u>b₂</u> <u>b₁</u> 1 0 0 : 1 0 1 : 1 1 0 : 1 1 1 : four times] five times
				b ₂	
				b ₃	
				b ₄	Miscellaneous Timer Counter (MTC) (0-7)
				b ₅	
				b ₆	
				b ₇	Call Back – Delay Timer 0/1 = Ineffective/Effective
	6			b ₀	Special Transmitting Tone When Using Sender (Station) 0/1 = Not Required/Required (used with LCR/Speed Calling, etc.)
			0	b ₁	Not used
				b ₂	Special Transmitting Tone When Using Sender (ATT) 0/1 = Not Required/Required (used with LCR/Speed Calling, etc.)
				b ₃	Tone for O/G Connection 0/1 = NEC Standard/Australian (Second DT on LCR)
				b ₄	Key pattern on the right side of Attendant Console <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 0 0 = Pattern 1 0 0 1 = Pattern 2 0 1 0 = Pattern 3 1 0 0 = Pattern 4 (MCT service is invalid.)
				b ₅	
				b ₆	
			0	b ₇	Not used

SYS1, Index 6, $b_4 \sim b_6$:

① Desk Console (Business) Key Pattern

Pattern 1 ($b_4 = 0, b_5 = 0, b_6 = 0$)

LDN	TIE	Busy	ATND	NANS	Recall	TF	(FX)	PAGE	REC
EMG	BV	TRKSL	Call Park	SC	SVC	(FRL)	(ICPT)	Start	Mute

Add-on Console Key pattern

CAS	CCSA	WATS			

Pattern 2 ($b_4 = 1, b_5 = 0, b_6 = 0$)

LDN	TIE	Busy	ATND	NANS	Recall	TF	(FX)	PAGE	REC
EMG	BV	TRKSL		SC	SVC	(FRL)	(ICPT)	Start	Mute

Add-on Console Key pattern

CAS	CCSA	WATS			

Pattern 3 ($b_4 = 0, b_5 = 1, b_6 = 0$)

LDN	TIE	Busy	ATND	NANS	Recall	TF	(FX)	PAGE	REC
EMG	BV	TRKSL	Call Park	SC/RC	CCSA	MON	(ICPT)	Start	Mute

Add-on Console Key pattern

		WATS	SVC		

Pattern 4 ($b_4 = 0, b_5 = 0, b_6 = 1$)

LDN	TIE	Busy	ATND	NANS	Recall	TF	(FX)	PAGE	REC
EMG	BV	TRKSL	Call Park	SC	SVC	(FRL)	(ICPT)	Start	Mute

Add-on Console Key pattern

CAS	CCSA	WATS			

Note: The key function can be changed by using the AAKP command.

② Hotel Desk Console Key pattern

Pattern 1 (b4 = 0, b5 = 0, b6 = 0)

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

TRKSL	SVC	SC	SCRN		
DND Override	HWS	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

Pattern 3 (b4 = 0, b5 = 1, b6 = 0)

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

TRKSL	SVC		MON	CP	
DND Override	SC/RC	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

Pattern 4 (b4 = 0, b5 = 0, b6 = 1)

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

TRKSL		SC	FRL	CP	
DND Override	CAS	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

③ Desk Console (Business) Key pattern when using for Hotel application system

Pattern 1 (b4 = 0, b5 = 0, b6 = 0), CS-33 SW17 ELEMENT 3/4=OFF/OFF

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

TRKSL	SVC	SC	ICPT		
DND override	HWS	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

Pattern 2 (b4 = 1, b5 = 0, b6 = 0), CS-33 SW17 ELEMENT 3/4=ON/OFF

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

CP	SP	TALK	FRL		
DND override	CAS	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

Note: TALK key on ATTCON becomes TRKSL.

Pattern 3 (b4 = 0, b5 = 1, b6 = 0), CS-33 SW17 ELEMENT 3/4=OFF/ON

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

CP	SC	TALK	FRL		
DND override	CAS	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

Pattern 4 (b4 = 0, b5 = 0, b6 = 1), CS-33 SW17 ELEMENT 3/4=ON/ON

LDN	TIE	Busy	ADM	NANS	Recall	TF	FX	PAGE	REC
EMG	HP	DND	GST	OT	ICPT	WATS	CCSA	Start	Mute

Add-on Console Key pattern

CP	SC	TALK	FRL		
DND override	CAS	BV			
WUS	DDS	RCS	MWS	Check In	AUD
WUR	DDR	RCR	MWR	Check Out	STS

Note: TALK key on ATTCON becomes TRKSL.

SYS1, Index 6, b₄ ~ b₆: Hospitality Attendant Console Key Pattern

Pattern One	SRC	DEST	SC	SP	SCRN	HWS
	CNCL	TALK	HOLD	Dnd Ov	BV	TKSL
	START		RELEASE		ANSWER	

Pattern Two	SRC	DEST	TALK	SC	FRL	CAS
	CNCL	TALK	HOLD	Dnd Ov	BV	CP
	START		RELEASE		ANSWER	

Pattern Three	SRC	DEST	TALK	SP	Mon O1	SC
	CNCL	TALK	HOLD	Dnd Ov	BV	CP
	START		RELEASE		ANSWER	

Mon O1 = Monitor Overlap (Japan)

Dnd Ov = Do Not Disturb Override (HM)

SC = Serial Call

HWS = Highway Switch (Switching of C.O. lines [HM])

SP = Supervisory Call

SCRN = Screened Transfer (HM)

FRL = Facility Restriction Level (via AEFR)

TALK = Conference

CAS = Centralized Attendant Service

TKSL = Individual Trunk Select

CP = Call Park

BV = Busy Verify

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	7		0	b ₀	Not used
				b ₁	Restriction in the number of outside parties who can participate in the Station Controlled Conference. 0/1 = Not Required/Required If “0” is set, the outside party who can participate in the Station-Controlled Conference is as follows: (a) For TIE Lines, it is possible to call a maximum of seven lines, as long as the distant Node returns the answer signal and release signal. (b) For C.O. lines, answer signal and release signal are not necessary. Only one C.O. line can attend the conference. If “1” is set, only one outside party can participate in the Station-Controlled conference.
				b ₂	Trunk Blocking - Wink Signal TIE Line 0/1 = Out of service/In service
				b ₃	Double Seizure Protection 0/1 = Out of service/In service
				b ₄	Ability to Camp-on indication for Attendant Console 0/1 = Normal/Busy LED flashes and Attendant Console hears Reorder Tone (ROT) if unable to Camp-on
				b ₅	Processing of the following conditions in Automated Attendant Service: • When a trunk party has dialed an unused number or a dead level • When a trunk party has abandoned dialing a station number • When a station is restricted from connection • When the calling station does not answer 0/1 = Announcement is sent to the trunk party/Forced release
				b ₆	Processing after PB Receiver Timeout in Automated Attendant Service: 0/1 = Forced release/Transfer to ATT (Normally, assign “0.”)
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	8				Number of Tenants: 1-63 (= 01-3F HEX)
	9				Number of Attendant Consoles IMG system: 1~8 (01 HEX ~ 08 HEX) MMG system: 1~32 (01 HEX ~ 20 HEX) Note 1 UMGi/RNIP system: 1~32 (01 HEX ~ 20 HEX) Note 2 Note: For the SV9500 migrated from IPX, assign the data as shown below: IMG system: 1~16 (01 HEX ~ 10 HEX) MMG system: 1~60 (01 HEX ~ 3C HEX) Note 1: For the brand new SV9500 using PIRs, up to 32 Attendant Consoles can be accommodated. Note 2: In a RNIP/UMGi system is necessary to collectively set all the Attendant Consoles in one single node that can be the CCN or any of the RNs. Therefore, the maximum number of accommodated consoles can be different depending on the system configuration (IMG/MMG).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	12			b ₀ -b ₇	Authorization Code Check Sum-1 b ₄ = Check Sum of Digit 0 b ₃ = Check Sum of Digit 1 b ₂ = Check Sum of Digit 2 b ₁ = Check Sum of Digit 3 b ₀ = Check Sum of Digit 4 0/1 = No Check Sum/Check Sum Note: When 00 HEX is entered, Check Sum is not used and Authorization Codes can contain a maximum of ten digits.

Note: Composition of Authorization Code, and its relation to Check Sum (related to Index 12~14). Authorization Code consists of D0 D1 D2 D3 D4 D5 D6.

Seek Digits Check Digits

(When using Check Sum, a maximum of seven digits, including Check Digits, is available.)
 There is a maximum of two Check Digits and eight Seek Digits.

- D5 is determined by Check Sum-1 and Check Code-1.
- MOD10 (b₄ ' D0 + b₃ ' D1 + b₂ ' D2 + b₁ ' D3 + b₀ ' D4 + D5) = Check Code-1
- D6 is determined by Check Sum-2 and Check Code-2.
- MOD10 (b₄ ' D0 + b₃ ' D1 + b₂ ' D2 + b₁ ' D3 + b₀ ' D4 + D6) = Check Code-2

Note: Only eight digits will print out on SMDR in the case of EPN – Authorization Code. Checks on authorization codes should be limited to a total of eight digits.

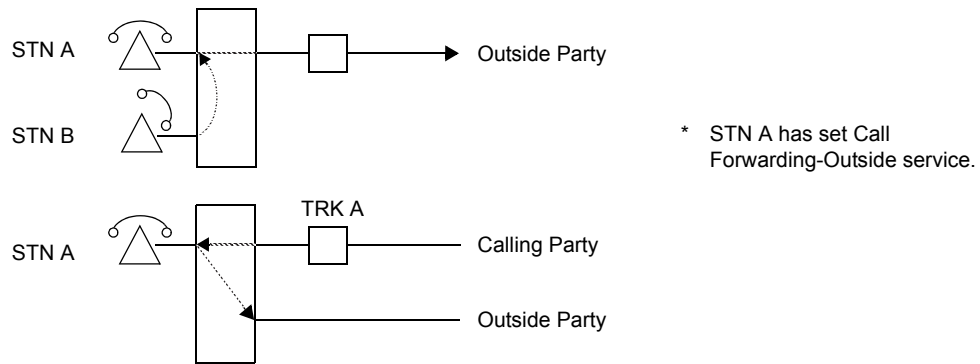
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	13			b_0 - b_7	Authorization Code Check Sum-2 b_4 = Check Sum of Digit 0 b_3 = Check Sum of Digit 1 b_2 = Check Sum of Digit 2 b_1 = Check Sum of Digit 3 b_0 = Check Sum of Digit 4 0/1 = No Check Sum/Check Sum
	14			b_0 - b_7	Authorization Code Check Code-1 (0~9 HEX) Check Code = MOD_{10} $(b_4 \times D0 + b_3 \times D1 + b_2 \times D2 + b_1 \times D3 + b_0 \times D4 + D5)$ $(b_0 \sim b_7 \text{ are indicated by Index 12})$
					Authorization Code Check Code-2 (0~9 HEX) Check Code = MOD_{10} $(b_4 \times D0 + b_3 \times D1 + b_2 \times D2 + b_1 \times D3 + b_0 \times D4 + D6)$ $(b_0 \sim b_4 \text{ are indicated by Index 13})$
	15			b_0 - b_3	Number of Trunk Group (TG) Busy Lamps for Attendant Console 0 (HEX): Out of service Assign 01(HEX) ~ 0A (HEX) for 1 ~ 10 busy lamps. Note: Assign the lamps in the ATGL/ATGLL command.
			0	b_4 - b_7	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	16			b ₀	1-digit Station Number 0/1 = Out of service/In service
				b ₁	2-digit Station Number 0/1 = Out of service/In service
				b ₂	3-digit Station Number 0/1 = Out of service/In service
				b ₃	4-digit Station Number 0/1 = Out of service/In service
				b ₄	5-digit Station Number 0/1 = Out of service/In service
				b ₅	6-digit Station Number (valid for Hotel System ONLY) 0/1 = Out of service/In service
			0	b ₆	Not used
			0	b ₇	
	17			b ₀	This bit (data “1”) allows single-line stations to switch hook flash and dial an access code while hearing Ringback Tone (RBT), to place a voice call to a or activate the Desktop terminal’s MESSAGE REMINDER Feature key. 0/1 = Out of service/In service
				b ₁	This bit (data “1”) designates that EROW calls can be placed via the Voice Button of a Desktop terminal. 0/1 = Out of service/In service
				b ₂	Privacy Release Service for Desktop terminal 0/1 = Out of service/In service
				b ₃	This bit (data “1”) activates Privacy Release Warning Tone. 0/1 = Not Send/Send
				b ₄	Blind Transfer to Attendant 0/1 = Out of service/In service
			0	b ₅	Not used
				b ₆	Line Privacy Expansion service 0/1 = Out of service/In service Note: Effective when b2 = 1
				b ₇	Bridge Call 0/1 = Privacy/Non-Privacy Operation

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	18		0	b ₀ -b ₃	Not used
				b ₄	SMDR incomplete message output 0/1 = Out of service/In service
			0	b ₅	Not used
				b ₆	Day/Night change of Satellite Office (for CCIS) 0/1 = Out of service/In service
				b ₇	Day/Night change is executed by the Main Office (for CCIS) Note: If Day/Night change is executed at the Main Office when Index b6=1 of the Main Office and b7=1 of the Satellite Office, Day/Night change is executed at the Satellite Office as per the Tenant of the Main Office. 0/1 = Out of service/In service
	19			b ₀ -b ₃	n: Tenant (TN = 1 – 15) of the Main Office where the Satellite Office belongs (for CCIS)
			0	b ₄	Not used
				b ₅	ETF (Call Event Transfer Facility) Call Base Table Save and ETF Service is provided. 0/1 = Not required/Required (3 hours)
			0	b ₆	Not used
			0	b ₇	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	20		0	b ₀ -b ₄	Not used
				b ₅	Dial-In CCIS tandem 0 = Destination point is the next office (Check if the station is available to connect, if it is available, ACK is transmitted to public network.) 1 = Destination point is not the next office (When the system occupies the CCIS trunk for the destination, ACK is transmitted to public network.)
				b ₆	Line Circuit Reverse Relay Control when Reorder Tone is connected to a station/trunk 0/1 = In/Out of service Note: When using the following features, assign "0". • ATTENDANT-CONTROLLE CONFERENCE [A-2] • ADD-ON CONFERENCE - 8 PARTY [A-121] • STATION-CONTROLLED CONFERENCE [S-6] • PRESET CONFERENCE [P-24] • VS32 CONFERENCE SERVER [V-26] • GROUP CALL - AUTOMATIC CONFERENCE (20-PARTY) [G-23]
				b ₇	Billing Party for a call transferred by Call Forwarding – Outside Service Note 1 0 = The Billing Party is the originator of the transferred call. 1 = The Billing Party is the station that has set Call Forwarding – Outside service. Note: When using Flexible Route Re-routing For Network Failure, Billing Party is always the call originator regardless of this bit.

Note 1: When "1" has been assigned to b7, the station number of Station A (Called Party), as shown below, is provided to the SMDR equipment.



Index 20, b₇=0 Station B or RT + TRK of Calling Party is provided as originator of call on SMDR output.
Index 20, b₇=1 Station A is output as the originator in both cases.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																	
			DATA 0/1	BIT																																		
1	21-26	00			Not used																																	
	27			b ₀ -b ₃	Tone Kind:																																	
					DATA	TONE	0	Dial Tone (DT)	1	Special Dial Tone (SPDT)	2	Ringing Back Tone (RBT)	3	Consecutive Ringing Back Tone (CRBT)	4	Busy Tone (BT)	5	Reorder Tone (ROT)	6	Service Set Tone (SST)	7	Second Dial Tone (SDT)	8	-	9	Sender Transmitting Tone (SDTT)	A	Call Waiting Ringing Back Tone (CWRBT)	B	-	C	-	D	-	E	-	F	-
					DATA	TONE																																
					0	Dial Tone (DT)																																
1					Special Dial Tone (SPDT)																																	
2					Ringing Back Tone (RBT)																																	
3					Consecutive Ringing Back Tone (CRBT)																																	
4					Busy Tone (BT)																																	
5					Reorder Tone (ROT)																																	
6					Service Set Tone (SST)																																	
7					Second Dial Tone (SDT)																																	
8					-																																	
9					Sender Transmitting Tone (SDTT)																																	
A					Call Waiting Ringing Back Tone (CWRBT)																																	
B					-																																	
C					-																																	
D					-																																	
E	-																																					
F	-																																					
				Note: The data is available when SFI 71 = 1 in the ASFC command.																																		
		0	b ₄ -b ₆	Not used																																		
			b ₇	Immediate Ringback Tone Sending: 0/1 = Not Required/Required																																		

Note: The data is available when SFI 71 = 1 in the ASFC command.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	28			b ₀ -b ₄	Miscellaneous Timer Counter (MTC) (0~1F HEX)	Message sending Guard Timer for Message Center Interface. Guard Time after sending data to Message Center: Time Value Setting is (MTC) × 128 milliseconds (When this data is 00 HEX, Timer value is 128 milliseconds.)
				b ₅	Message Waiting Lamp Control by Message Center Interface: 0/1 = Out of service/In service Note: Be sure to set “1” when using SSFR (FN = 5, SRID = 0) in OAI features.	
			0	b ₆	Not used	
			0	b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	29			b ₀	Message Center Interface Output Designation
				b ₁	“1” is assigned to each bit corresponding to the Port Number of the IOC circuit card.
				b ₂	
				b ₃	b ₀ = Not used b ₄ = Port 4
				b ₄	b ₁ = Port 1 b ₅ = Port 5
				b ₅	b ₂ = Port 2 b ₆ = Port 6
				b ₆	b ₃ = Port 3 b ₇ = Port 7
				b ₇	Note: In the case of dual output ports service, assign “1” to both ports.
	30				Mounting capacity of Data Memory (DM) For the SV9500 system, assign 06 HEX.
					Note: The change of this data setting can be applied without reset.
	31				Mounting capacity of Common Memory (CM) 1~4 Mbyte (01~04) Note 1 For the SV9500, assign 02 HEX For the SV9500 with OAI name display, assign 04 HEX. Assign 06 HEX when FLF FCCS service is used in OAI features.
	32		0	b ₀	Not used
			1	b ₁	Record Tenant Data for SMDR/CS Report
			1	b ₂	Record Selected Trunk type for SMDR/CS report
			0	b ₃	Not used
			0	b ₄	
				b ₅	When recording called numbers for SMDR: 0/1 = The ACC Code is not included/The ACC Code is included.
				b ₆	Destination number of an outgoing call recorded on SMDR: 0/1 = Number sent by system/Number dialed by user
				b ₇	SMDR/CS report 0/1 = Out of service/In service

Note 1: When changing this index from 02 (normal setting for non-OAI/ACD System) to 04, back up the Data Memory to the HDD of the system. If this command is modified, the system must be initialized.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	33		0	b ₀	Not used
			0	b ₁	
			0	b ₂	Recording for event-based SMDR is in service. (Fixed to 0.)
				b ₃	Telephone Subject to Total Billing (when b ₆ =1)
				b ₄	<u>b₄</u> <u>b₃</u> 0 0 = Telephone called first (regardless of calling party kind) 0 1 = Telephone called last (regardless of calling party kind) 1 0 = First telephone after the call has been handled by ATT 1 1 = Telephone called last (regardless of calling party kind) Note: When b₄ is set, the intermediate ATT information will be output to SMDR.
				b ₅	Billing for Transferred Incoming Call 0/1 = Split/Total Billing Note: Total Billing means “Telephone that called last.” Note: When using Split Billing, a call charge will not be displayed for an outgoing call to ISDN line. Note: Regardless of this setting, when a Station receives an incoming call from a trunk and transfers the call to an Attendant Console through BLIND TRANSFER [B-18], Total Billing for Incoming Call to the Station which received the trunk call is output to SMDR.
				b ₆	Billing for Transferred Outgoing Call 0/1 = Split/Total Billing Note: Total Billing means “Telephone that called last.” Note: When using Split Billing, a call charge will not be displayed for an outgoing call to ISDN line. Note: Regardless of this setting, when a Station receives an incoming call from a trunk and transfers the call to an Attendant Console through BLIND TRANSFER [B-18], Total Billing for Incoming Call to the Station which received the trunk call is output to SMDR.
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	34			b ₀	SMDR RS-232 C Output 0/1 = Out of service/In service
				b ₁	RS-232C Output Code (SMDR) (When b ₀ =1: SMDR)
				b ₂	$\begin{matrix} \underline{b_2} & \underline{b_1} \\ 0 & 0 & = & \text{No Parity (If parity b7=0)} \\ 0 & 1 & = & \text{Not used} \\ 1 & 0 & = & \text{Not used} \\ 1 & 1 & = & \text{Not used} \end{matrix}$
				b ₃	Number of RS-232C stop bits
				b ₄	$\begin{matrix} \underline{b_4} & \underline{b_3} & & \underline{b_4} & \underline{b_3} \\ 0 & 0 & = & - & 1 & 0 & = & 1 + 1/2 \text{ bits} \\ 0 & 1 & = & 1 \text{ bit} & 1 & 1 & = & 2 \text{ bits} \end{matrix}$
				b ₅	The converted number is sent to the SMDR. 0 = Original Number is sent. 1 = Converted Number (the first 6 digits) is sent.
			0	b ₆	Not used
			0	b ₇	Not used
	35-37	00			Not used
	38			b ₀ -b ₇	Stand-Alone Fault Printer Accommodation Designation “1” is assigned to each bit corresponding to the Port Number of the IOC circuit card. b ₀ = Port 0 b ₁ = Port 1 b ₂ = Port 2 b ₃ = Port 3 b ₄ = Port 4 b ₅ = Port 5 b ₆ = Port 6 b ₇ = Port 7
					Note: Usually, Port 1 is used for System Message Printer.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	39			b ₀ -b ₇	System Message Automatic Output Designation for Stand-Alone Fault Printer “1” is to be assigned to each bit corresponding to the Port Number of the IOC circuit card. b ₀ = Port 0 b ₁ = Port 1 b ₂ = Port 2 b ₃ = Port 3 b ₄ = Port 4 b ₅ = Port 5 b ₆ = Port 6 b ₇ = Port 7 Note: Usually, Port 1 is used for System Message Printer; assign the same data as Index 38.
				b ₀ -b ₄	Not used
				b ₅	SMDR Buffer Overflow Alarm 0/1 = Fault @ 80%, Clear @ 50%/Use Index 249 and 250.
				b ₆	Not used
				b ₇	Not used
	41			b ₀ -b ₆	Override Timer of Outgoing Trunk Queuing Time Value Setting is (MTC) × 30 seconds Setting range of MTC is from 01 to 7F Note: When this MTC is 0, default data of three minutes is set.
			0	b ₇	Not used
	42		0	b ₀ -b ₂	Not used
				b ₃	Trunk Hold Tone sending from Circuit #0 of DAT card 0/1 = -/External Hold Music Note: This bit is not used for North America.
				b ₄	Digit addition using AUNE or AUNEL 0/1 = No/Yes
			0	b ₆	Not used
				b ₇	Service Set Tone (SST) and Special Dial Tone (SPDT) 0/1 = Standard (SST: Continuous, SPDT: Burst)/EPN Tone

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	43			b ₀	For Remote Access to System - Is Forced Account (FA) Code Dialing required upon receiving Ringback Tone (RBT)? 0/1 = Required/Not Required
			0	b ₁	Not used
				b ₂	Send Service Set Tone (SST) after ACC Code dialing for Authorization Code or FA Code is dialed using LCR Access 0/1 = Out of service/In service
			0	b ₃	Not used
				b ₄	ATT Re-enters Loop on Serial Call 0/1 = Restriction/Allowed
				b ₅	Send Dial Tone (DT) to the distant Office upon receiving Terminated Office Code (Tandem) 0/1 = Not Required/Required
			0	b ₆	Not used
				b ₇	Restriction for Dialing more than the maximum of necessary digits (as assigned via command AMND) 0/1 = Not Required/Required Note: If a calling party dials more than the maximum necessary digits, the calling party receives reorder tone.
	44			b ₀	Automatic Circuit Assurance 0/1 = Out of service/In service
			0	b ₁ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	45				Abnormal Call, Short Duration Timer for Automatic Circuit Assurance service (when Index 44, $b_0=1$) Timer counter (TC) is assigned a value from 02 HEX to FF HEX (2 - 255 seconds). When an extreme short duration call is made, the information such as station number (My Line) and Trunk Number can be output to the MAT by setting this value. Timer Value = TC × 1 seconds Note: When TC = 00 HEX, this timer is not set.
	46				Abnormal Call, Long Duration Timer for Automatic Circuit Assurance service (when Index 44, $b_0=1$) TC is assigned a value from 01 HEX to FF HEX (1 - 255 minutes). When an extreme long duration call is made, the information such as station number (My Line) and Trunk Number can be output to the MAT by setting this value. Timer Value = TC × 1 minutes Note: When TC = 00 HEX, this timer is not set.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	47			b ₀	Traffic Measurement Indication 0/1 = CCS Indication/Erlang Indication
				b ₁	TCFI Timer (Timer Interval Between Messages) Note 1 $\begin{matrix} b_2 & b_1 \\ 0 & 0 \\ 0 & 1 \end{matrix}$ $\begin{matrix} b_2 & b_1 \\ 1 & 0 \\ 1 & 1 \end{matrix}$ = two seconds = eight seconds = four seconds = Application Dependent (Standard Assignment)
				b ₂	
				b ₃	Display for TCFD Note 2 0/1 = MSG (Normal assignment)/Last input
				b ₄	SCF (FN=127) Tone Control Note 3, Note 4, Note 5, Note 6, Note 7 0/1 = Invalid/Valid
			0	b ₅	Not used
			0	b ₆	
				b ₇	Traffic Measurement for Terminal and Route Traffic, Connection Route Traffic and IP Service Traffic 0/1 = Out of service/In service

Note 1: Terminal Control Facility Indirect is used for displays, LED functions, and chimes for ACD positions.

Note 2: Terminal Control Facility Direct is used for certain ACDP entries and displays from ACD positions.

Note 3: ASYD, SYS1, Index 59, b2 must also be set to “1” for this feature to operate.

Note 4: This system data is used for the features below, however, always assign data “1” whether these features are used or not.
 -Busy Tone (BT) connection to ACD calls
 -Success or failure announcement to the dialed ACC by Tone on Analog ACD position.

Note 5: System Initialization is required when this data is changed. If System Initialization cannot be executed, perform the data deletion and reassignment in the following order.
 <When Busy Tone (BT) connection to ACD calls is used>
 Clear all the ACD Pilot number (M_NO) using ACDPLT command → Change this system data. → Reassign the Pilot number.
 <When success or failure announcement to the dialed ACC by Tone on Analog ACD position is used>
 Clear all the ACCs using ACDANA command. → Change this system data. → Reassign the ACC.

Note 6: When Tone Control is activated in FCCS network for ACD, assign this system data to 1 in all the nodes that ACD feature is used in the FCCS network.

Note 7: If this command is modified, the system must be initialized.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	48- 55				Do not assign these Indexes. (Indexes 48 ~ 55 are used for the Grade 1 Password Code.)
	56 Note 1	FF		b ₀ -b ₇	Set Line Load Control (Automatic) Execution Occupancy Rate. Set execution of line load control (automatic) by the usage rate (occupancy) rate of the CPU. Example: For executing line load control by CPU usage rate (occupancy rate) 90%, assign 5A HEX. To assign this Index, take the occupancy rate desired and convert this value to HEX (e.g., 90=5A HEX).
	57 Note 1	FF		b ₀ -b ₇	Set Line Load Control (Automatic) Execution Cancel Occupancy Rate. Set cancellation of line load control (automatic) by the usage rate (occupancy) rate of the CPU. Example: For cancelling line load control by CPU usage rate (occupancy rate) 80%, assign 50 HEX To assign this Index, take the occupancy rate desired and convert this value to HEX (e.g., 80 = 50 HEX).

Note 1: When assigning data for Indexes 56 and 57, be sure to assign data in such a way that the data value of Index 56 is larger than Index 57 (Value of Index 56>Value of Index 57).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	58			b ₀	Configuration of CPU Note 2 0/1 = Single/Dual
			0	b ₁	Not used
			1	b ₂	Trunk Ineffective Hold Detect Processing Program Start 0/1 = Not Required/Required (Always assign “1.”)
			1	b ₃	Send Forced Off-Hook Supervisory Command 0/1 = Not Required/Required (Always assign “1.”)
				b ₄	8 Lights External Failure Display (MJ, MN, PAL etc.) 0/1=Out of service/In service
			0	b ₅	Not used
			0	b ₆	
				b ₇	Specific Attendant Number is output to SMDR 0/1 = Invalid/Valid Note: When the data is set to “1”and the Specific Attendant Number is assigned by the ASAT/ASATN command, the number is output to SMDR. Despite the data set to “0” in outgoing billing, if ASYD SYS1 Index 180 & 181 is assigned, the Specific Attendant Number is output.
	59			b ₀	Incoming Call Restriction from TRK during Line Load Control 0/1 = Not Required/Required
				b ₁	LCR – Controlled Alternate PRSC (FRLs) service (urgent mode via AUNE) 0/1 = Out of service/In service Note: When “1” is assigned, the FRL key on the Attendant Console is effective.
				b ₂	DID Busy Condition Note 1 0/1 = No Tone/Busy Tone
			0	b ₃	Not used
			0	b ₄	
				b ₅	Number of Tones sent for Override services 0/1 = 2/3 Tones
				b ₆	Send Tones for Attendant and Override services 0/1 = Yes/No
				b ₇	Intercom service for Desktop terminal 0/1 = Out of service/In service

Note 1: Must be set to “1” for an IF NOT QUEUED GO TO BUSY (CCVACT = 12) step to return Busy Tone to a self-detecting trunk (CCV function on DIDs etc.). This does not work with ringdown type trunks.

Note 2: Redundancy is only supported in the SV9500 Appliance Model. For the SV9500 Prepackaged Server Model, Index58 b0=0. In the case of UMGi system if there is at least one node in dual configuration, Index58 b0=1.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	60		0	b ₀ -b ₂	Not used
				b ₃	UCD Queuing 0/1 = Required (RBT)/Not Required (BT) (Most = 0 when the MCI is in service.) Note: There is no MCI output when bit 3 is set to “1”.
				b ₄	Nailed-Down Connection (Fixed Connection) service 0/1 = Out of service/In service
				b ₅	Send Warning Tone to interrupted parties when Attendant Inter- ruption service is operated. 0/1 = Required/Not Required
			0	b ₆	Not used
			0	b ₇	
	61		0	b ₀ -b ₄	Not used
				b ₅	Call Waiting Display – UCD/ACD Service 0/1 = Out of service/In service Note: Assign 0 for ACD system.
			0	b ₆	Not used
			0	b ₇	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	62		0	b ₀ -b ₅	Not used
				b ₆	ACT/ST – BY Change over at Routine Diagnosis
				b ₇	<u>b₇</u> <u>b₆</u> 0 0 = Every time 0 1 = Once a week (On Sunday) 1 0 = Once a month (On the First Sunday of the month) 1 1 = –
	63			b ₀	Blind Transfer for stations in service 0/1 = No/Yes
			0	b ₁ -b ₄	Not used
				b ₅	Exclusive Hold for stations 0/1 = Yes/No
			0	b ₆	Not used
			0	b ₇	
					Note: Assign the Routine Diagnosis Program start time in SYS1, Index 87 and 88.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	64			b ₀	μ law/A law for TSW 0 = μ law (Japan, North America, Canada, and Hong Kong) 1 = A law (Europe, other nations)
				b ₁	Display of Call Waiting Lamp (on Attendant Console) service
				b ₂	<u>b₂</u> <u>b₁</u> 0 0 = When PA lamp illuminates 0 1 = When busy lamp field is not displayed 1 0 = Always 1 1 = –
				b ₃	Howler Tone sending service
				b ₄	<u>b₄</u> <u>b₃</u> 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 SYS1, Index 146.
			0	b ₅	Not used
				b ₆	Type of Attendant Camp-On 0/1 = Automatic/Semi-Auto (Normally Assign “0.”)
				b ₇	Music-on-Hold service 0/1 = Out of service/In service
	65				Maximum Number of Routes RT 1 ~ 255 = 01 ~ FF HEX
	66	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS						
			DATA 0/1	BIT							
1	67		0	b ₀ -b ₅	Not used						
			0	b ₆	SMDR Control circuit card designation 0/1 = MRC/SMDC (Always assign “0.”)						
			0	b ₇	SMDR sending designation 0/1 = AP/SMDC (Always assign “0.”)						
	68			b ₀	Operating method for busy station service (Call back, Executive Right-of-Way, etc.) 0/1 = SHF + Access Code/Last Digit + Access Code						
				b ₁	Operating method for Individual Trunk Access (ATT) service 0 = Route No. + Trunk No. 1 = C.O. Code (as assigned via command ACOC)						
				b ₂	Ringing Signal type for TAS indicator 0/1 = Interval/Continuous						
				b ₃	OG trunk queuing (On-Hook) automatic cancel 0/1 = Out of service/In service						
				b ₄	TKSL key on the Attendant Console (for Individual Trunk Access service) 0/1 = Out of service/In service						
			0	b ₅	Not used						
				b ₆	Ground Button (GB) used for SHF 0/1 = Not Required/Required		Used only for Special Common Battery Telephones				
				b ₇	OG call operation						
			<table><tr><td>b₇</td><td>via Attendant Console</td><td>Direct Dial Access</td></tr><tr><td>0</td><td>Off-Hook</td><td>Off-Hook by pressing GB</td></tr><tr><td>1</td><td>Off-Hook by pressing GB</td><td>Off-Hook</td></tr></table>		b ₇	via Attendant Console		Direct Dial Access	0	Off-Hook	Off-Hook by pressing GB
b ₇	via Attendant Console	Direct Dial Access									
0	Off-Hook	Off-Hook by pressing GB									
1	Off-Hook by pressing GB	Off-Hook									

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	69			b ₀	Return transferred call to transferring party after Recall Timer expires (Call Transfer – All Calls or Blind Transfer to Station service) 0/1 = Recall/No Recall, or execution of Call Forwarding – Don't Answer (when CF – Don't Answer is set at the transfer destination station)
				b ₁	Send short tone when a call forwarded via CF – All Calls/Logout service is answered. 0/1 = Not Required/Required
				b ₂	Send short tone when a recalled CF – All Calls call is answered. 0/1 = Not Required/Required
			0	b ₃	Not used
			0	b ₄	
				b ₅	Station Hunting when the Called Station has activated CALL FORWARDING-BUSY LINE [C-2], and the Forwarded-to Station is busy: 0 = Hunt in the group of CALL FORWARDING-BUSY LINE [C-2] assigned station 1 = Hunt in the group of Call Forwarded-to Station Executive Right-of-Way, Call Waiting - Terminating, Call Waiting - Originating, Call Back, Call Back - CCIS (when ASYDL/ASYDN SYS1 Index 895 bit5=1), Busy Verification, Attendant Camp-On with Tone Identification when the Called Station has activated CALL FORWARDING-BUSY LINE [C-2], and the Forwarded-to Station is busy: 0 = Set to the Forwarded-from Station 1 = Set to the Forwarded-to Station
				b ₆	Send Warning Tone to indicate Intercom Bridge (Auto/Manual and Dial Intercom service) 0/1 = Not Required/Required
				b ₇	Multiple Call Forwarding – Busy Line/All Calls/Logout 0/1 = Out of service/In service Note: Regardless of this data setting, a call can be forwarded unlimited number of times by Call Forwarding - Don't Answer [C-3] or Call Forwarding - PS Incoming Incomplete [C-155].

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	72		0	b ₀	Not used
			0	b ₁	
				b ₂	Tone pattern to be sent out to stations on Exclusive Hold/Non-Exclusive Hold. 0/1 = Dial Tone (DT)/Service Set Tone (SST)
			0	b ₃ -b ₅	Not used
				b ₆	Distinctive Ringing (DR) only for Direct-In Termination (DIT), Direct-In Dialing (DID) calls Assign “0” or “1” according to the table below. Note: This system data is also available in the following case. • Trunk line → CCIS → Intermediate Party (Station or Attendant Console) → Station
			0	b ₇	Not used

b ₆	0		1	
Parameter DR assigned via command ARTD	0	1	0	1
Direct-In Termination (DIT)	Ringer Pattern 1	Ringer Pattern 0	Ringer Pattern 1	Ringer Pattern 0
Via Attendant Console	Ringer Pattern 1	Ringer Pattern 0	Ringer Pattern 1	Ringer Pattern 1
Via other station	Ringer Pattern 1	Ringer Pattern 0	Ringer Pattern 1	Ringer Pattern 1
Interoffice call	Ringer Pattern 1	Ringer Pattern 1	Ringer Pattern 1	Ringer Pattern 1

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	73			b ₀	Type of Paging Service
				b ₁	b₁ b₀ b₁ b₀ 0 0 = No Answer Note 3 1 0 = Delay 0 1 = No Delay 1 1 = Delay with Paging Transfer
				b ₂	Radio Page Number 0/1 = two digits/three digits
				b ₃	Paging Cancel Code 0/1 = Individual Paging Route Codes/Common to all Paging Routes
				b ₄	Radio Paging – station number is automatically sent. 0/1 = Out of service/In service
				b ₅	Radio Paging – Automatic Re-Paging 0/1 = In service/Out service
				b ₆	Attendant answers the Automatic Recall, the calling station number is displayed on Attendant Console. 0/1 = Not Required/Required
				b ₇	Attendant Console – Loop-to-Loop Connection (Meet-Me Paging – Attendant service) 0/1 = Out of service/In service
	74			b ₀	Cancel Timer for an Unanswered Radio Page
				b ₁	Time Counter (TC) is assigned a value from 0 HEX to F HEX (0 – 15). Timer Value is (TC+1) × 30 seconds
				b ₂	
				b ₃	
				b ₄	Recall and Cancel Timer for an Unanswered Radio Page
				b ₅	Timer Counter (TC) is assigned a value from 0 HEX to F HEX (0 – 15). Timer Value is (TC+1) × 30 seconds
				b ₆	
				b ₇	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	75			b ₀	Route Restriction Class Data (ARSC/ARSCN command) 0/1 = Common/Separate	Table Development: Common or Separate Day/ Night Data Tables. Note: When data tables are designated as “Common,” the Day mode designation must be used in the respective commands.
				b ₁	Service Feature Restriction class Data (ASFC/ASFCN command) 0/1 = Common/Separate	
				b ₂	Tenant Restriction Data (AT-NR command) 0/1 = Common/Separate	
				b ₃	Toll Code Restriction Data (ATDP/ATDPL/ATDPN command) 0/1 = Common/Separate	
				b ₄	EPN Facility Restriction Data (AEFR/AEFRN command)	
				b ₅	Change Digit Code for Dial In Service Data (ACDD command) or CLI/COL Translation Data (ACCDL/ACCDN command) 0/1 = Common/Separate	
				b ₆	Special Access Code for Floor Service Data (ASPF command) (for Hotel System) 0/1 = Common/Separate	
				b ₇	Station-to-Station Connection Restriction Data (ASCR, ATCR commands (for Hotel System) 0/1 = Common/Separate	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	76		0	b ₀	Not used	
				b ₁	Same Special Access Code Data (ASPS command) 0/1 = Common/Separate	Table Development: Common or Separate Day/ Night Data Tables. Note: When data tables are designated as “Common”, the Day mode designation must be used in the respective commands.
				b ₂	Call Forwarding Service by Calling Number Data (AFCP/ AFCP_T command) 0/1 = Common/Separate	
			0	b ₃ -b ₇	Not used	
	77			b ₀	Day/Night mode change via the Attendant Console handset jack 0/1 = Not Required/Required	
			0	b ₁	Not used	
				b ₂	MW Refresh 0/1 = Required/Not Required Note: When Message Waiting Lamp is provided, this data should be assigned “0.”	
				b ₃	Service Module Interface 0/1 = Required/Not Required	
				b ₄	NCU card option	
				b ₅	<u>b₅ b₄</u> 0 0 = Not use an NCU card in the system 0 1 = (This value must not be used.) 1 0 = (This value is invalid.) 1 1 = Use an NCU card in the system	
			0	b ₆	Not used	
			0	b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	78		1	b ₀	Calling and Intermediate station number indication (Desktop terminal and ATTCN) 0/1 = Out of service/In service (Always assign “1.”)
			1	b ₁	Kind of Service Class indication (Desktop terminal) 0/1 = Out of service/In service (Always assign “1.”)
			0	b ₂	Not used
				b ₃	Station number with Name Display on Desktop terminal 0/1 = Out of service/In service
			0	b ₄	Fixed to “0”.
				b ₅	Name Display Service/Free Location Facility (FLF) in OAI features. 0/1 = Out of service/In service
			0	b ₆ -b ₇	Not used
	79			b ₀	Line Preference Service via AKYD 0/1 = Out of service/In service
			0	b ₁	Not used
				b ₂	Split Call Forwarding Service 0/1 = Out of service/In service Note: When assigning/deleting Call Forwarding-All Calls/Busy/Don't Answer/Logout, be sure to use the access code dedicated for this service.
			0	b ₃	Not used
				b 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 sent to the monitored position in ACD feature, be sure to assign the data “1” here.
				b ₅	Name Display Enhance Service 0/1 = Out of service/In service
				b 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.
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS			
			DATA 0/1	BIT				
1	80		0	b ₀	Not used			
				b ₁	Call Block Service - Key used for canceling the Rejection Number/Message Reminder Service - Key used for Message Deletion (Desktop terminal) 0/1 = # key/* key			
			0	b ₂	fixed to “0”.			
			0	b ₃	TCF (I): LCD Display Control for OAI features 0 = Top Line 16-digits display control 1 = Bottom Line 16-digits display control Display static ACD messages (Break, Ready, etc.) on the second line of the LCD. 0/1 = No/Yes Note: Fixed to “0” in ACD features.			
			0	b ₄ -b ₇	Not used			
	81	00			Not used			
	82			b ₀	Station Number Display Pattern on the Attendant Console			
				b ₁	Note 1			
				b ₂	b ₃ – b ₀ = Station Number Display Pattern			
				b ₃	b ₇ – b ₄ = Station Number Display Pattern for CCIS			
				b ₄	b₃/b₇ b₂/b₆ b₁/b₅ b₀/b₄			
				b ₅	0 0 0 0 = <table><tr><td>TN</td><td>RSC</td><td>STATION NUMBER</td></tr></table>	TN	RSC	STATION NUMBER
			TN	RSC	STATION NUMBER			
				b ₆	0 0 0 1 = <table><tr><td>TN</td><td>STATION NUMBER</td></tr></table>	TN	STATION NUMBER	
			TN	STATION NUMBER				
				b ₇	0 0 1 0 = <table><tr><td>RSC</td><td>STATION NUMBER</td></tr></table>	RSC	STATION NUMBER	
			RSC		STATION NUMBER			
			0 0 1 1 = <table><tr><td>TN</td><td>STATION NUMBER</td></tr></table>		TN	STATION NUMBER		
TN	STATION NUMBER							
	0 1 0 0 = <table><tr><td>RSC</td><td>STATION NUMBER</td></tr></table>	RSC	STATION NUMBER					
RSC	STATION NUMBER							
	0 1 0 1 = <table><tr><td>STATION NUMBER</td></tr></table>	STATION NUMBER						
STATION NUMBER								

Note 1: When Desk Console is used, this data is invalid if the PA-CS33 (ATI) SW16-2 is set to ON (Desk Console Expanded LCD Display available).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	83	00			Highway Switch Supervisory Data Assignment of minimum blocking rate (% = percent) for time slots, which will judge the abnormality of the switch memory. The value range is 0% to 100%.
	84	FF	1	b ₀	Data Memory Segment Location Designation
			1	b ₁	
			1	b ₂	
			1	b ₃	
			1	b ₄	
			1	b ₅	
			1	b ₆	
			1	b ₇	
	85	FF	1	b ₀	
			1	b ₁	
			1	b ₂	
			1	b ₃	
			1	b ₄	
			1	b ₅	
			1	b ₆	
			1	b ₇	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	86			b ₀	System Message [7-O] is registered when no errors are detected by the Routine Diagnosis Program (Refer to Index 89 and 90) 0/1 = Not Registered/Registered
				b ₁	System Message [7-P] is registered when an error is detected by the Routine Diagnosis Program (Refer to Index 89 and 90) 0/1 = Not Register/Register
				b ₂	Fault Recovery Pattern upon TRK Ineffective Hold Detection
				b ₃	<u>b₃</u> <u>b₂</u> 0 0 = Release all calls other than basic calls (two-way calls), and register all call status. 0 1 = Register all call status 1 0 = Release all calls and register all call status 1 1 = Not used
				b ₄	- When SNMP service is disabled: Automatic printing of System Messages with fault information 0/1 = No/Yes - When SNMP service is enabled: Storing System Messages associated with an SNMP Trap 0 = The System Messages associated with an SNMP Trap are stored until manually deleted via PCPro. 1 = The System Messages associated with an SNMP Trap are not stored.
			0	b ₅	Not used
			0	b ₆	
			1	b ₇	System Message Contents 0/1 = Simplified/Detailed (Always assign “1.”)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	87				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.	Routine Diagnosis Program Start Time Note: When both Index 87 and Index 88 are assigned data FF HEX, the Routine Diagnosis Program is not executed.
	88				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.	
	89			b ₀	Not used	
				b ₁	DM Check (DM = Data Memory) 0/1 = No/Yes	
				b ₂	TSW Active/Standby Changeover for Dual Systems 0/1 = No/Yes	
				b ₃	[For IMG and MMG systems] CPU Active/Standby Changeover for Dual Systems 0/1 = No/Yes	
				b ₄	Trunk Ineffective Hold Detect 0/1 = No/Yes	
				b ₅	Trunk Ineffective Hold Release 0/1 = No/Yes	
				b ₆	Call Forwarding Memory Clear 0/1 = No/Yes	
				b ₇	Not used	

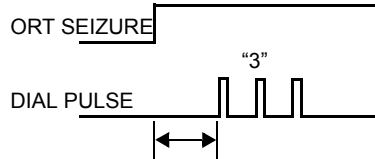
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	90		0	b ₀	Not used	
				b ₁	Routine Backup (See Index 304-305) 0/1 = No/Yes	
			0	b ₂ -b ₇	Not used	
	91		0	b ₀	Not used	
			0	b ₁		
				b ₂	Grades of System Message that can be Registered: <u>b₃</u> <u>b₂</u> 0 0 = Register All System Message Data 0 1 = Register System Message Data higher than Grade 1 (SUP, MN, MJ) 1 0 = Register System Message Data higher than Grade 2 (MN, MJ) 1 1 = Register System Message Data higher than Grade 3 (MJ)	
				b ₃		
				b ₄	External Supplied Clock to TSW (12.352M-24CH System 0)	When one PLO card is to be mounted: <u>b₇</u> <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 1 0 0
				b ₅	External Supplied Clock to TSW (12.352M-24CH System 1)	
				b ₆	External Supplied Clock to TSW (12.288M-32CH System 0*)	When two PLO cards are to be mounted: <u>b₇</u> <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 1 0 0
				b ₇	External Supplied Clock to TSW (12.288M-32CH System 1*)	

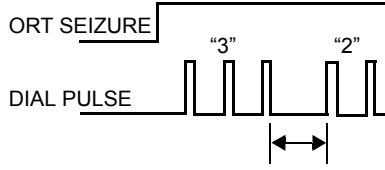
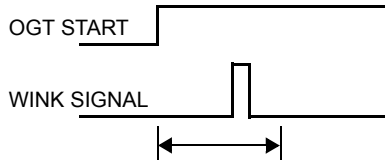
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	92			b ₀	System Data-2 (ASYD command)	Separate or Common Tenant Data table development for the respective commands 0/1 = Separate/Common Note 4: When data “1” is assigned, data only needs to be assigned for Tenant 1 (TN=1) in the respective commands. Note: b3 data is fixed to “1”.
				b ₁	Special Access Code Data (ASPA, AASP, AGSP command)	
				b ₂	Numbering Plan Data (ANPD, AANP, AGNP command)	
			1 Note 4	b ₃	Station Data (ASDT, AAST, AGST, ALDN, ASAT commands)	
				b ₄	Route Restriction Class Data (ARSC command)	
				b ₅	Call Forwarding Restriction Data (ACFR command)	
			0	b ₆	Not used	
			0	b ₇		
	93			b ₀	Service Feature Restriction class Data (ASFC command)	Separate or Common Tenant Data table development for the respective commands 0/1 = Separate/Common Note: When data “1” is assigned, data must be assigned for Tenant 1 (TN = 1) in the respective commands. Note 5: To change this data, delete the existing data that was assigned with the ACFO command. Then change this data, and assign the ACFO command data again.
				b ₁	Call Forwarding Data (ACFO command) Note 5	
				b ₂	TAS Data (ATAS command)	
				b ₃	Speed Calling Data (ASPD command)	
				b ₄	Route and Selection Translation Data (OG, Tandem) (ASTP, AFRS, AUNE commands)	
				b ₅	Route and Selection Translation Data (IC) (ASTP command)	
				b ₆	Maximum Necessary Digit Data (AMND command) Note: Assign “0,” when using Authorization Code	
				b ₇	Announcement Equipment Data (AAED command)	

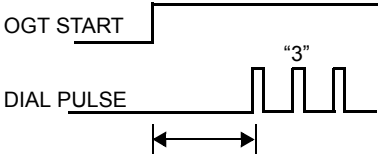
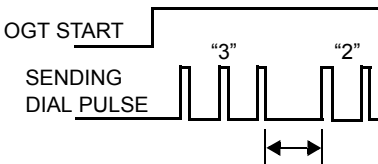
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	94			b ₀	Tenant Restriction Class Data (ATNR command)	Separate or Common Tenant Data table development for the respective commands 0/1 = Separate/Common Note: When data “1” is assigned, data only needs to be assigned for Tenant 1 (TN = 1) in the respective commands.
				b ₁	EPN Facility Restriction Data (AEFR command)	
				b ₂	Primary Call Restriction Data (APCR command)	
				b ₃	Authorization Code Data (AATC command)	
				b ₄	Special Access Code for Floor Data (ASPF command) (for Hotel System)	
				b ₅	Day/Night Connection Restriction Data (ADNR command) (for Hotel System)	
				b ₆	Station-to-Station Connection Restriction Data (ASCR command) (for Hotel System)	
				b ₇	Special Incoming Data (ASID command)	
	95			b ₀	If billing data output failure has occurred to SMDR (RS-232C), the unit digit of the time in which the billing data can be saved; 0-9 (10-minute basis)	Data can be saved from 10 to 990 minutes (16.5 hours) by 10-minute basis. In the case of 00, output billing data can be saved for 3 hours. In the case of 7F, output billing data can be saved until the buffer becomes full. (Default is 7F fixed) In the case of 00-xx, output billing data can be saved for the specified time. (After the timeout, the information to be output will be cleared. As long as the billing data output failure continues, the oldest data will be overwritten by the new data.)
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
				b ₆		
				b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	96				End User’s Office Name (Index 96-115)
	97				Note: The End User’s Office Name must be less than 20 characters.
	98				
	99				
	100				
	101				Note: A blank is assigned as data “20 HEX”.
	102				
	103				
	104				
	105				
	106				
	107				
	108				
	109				
	110				
	111				
	112				
	113				
	114				

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	116-124	00			Not used		
	125			b ₀	MFC Sender PAD Control		
				b ₁	Note: Source Signal is -8 dBm		
				b ₂			
					b ₃ b ₂ b ₁ b ₀		
					0 0 0 0	= -0 dB	
					0 0 0 1	= -2 dB	
					0 0 1 0	= -4 dB	
					0 0 1 1	= -6 dB	
					0 1 0 0	= -8 dB	
					0 1 0 1	= -10 dB	
					0 1 1 0	= -11.5 dB	
					0 1 1 1	= -14 dB	
					1 0 0 0	- 1 1 1 1 = Not used	
						b ₄	MFC Signaling System
						b ₅	
						b ₆	
							0 0 0 0 = NEC Standard (Complies with the CCITT MFC-R2) (USA default)
					0 0 0 1 = Australia (Telecom Specification)		
				0 0 1 0 = Thailand (TOT Specification)			
				0 0 1 1 = Venezuela (Corpoven Specification)			
				0 1 0 0 = Korea			
				0 1 0 1 = Singapore (Telecom Specification)			
				0 1 1 0 = Not used			
				0 1 1 1 = Argentina			
				1 0 0 0 = Indonesia			
				1 0 0 1 = Mexico			
				1 0 1 0 = Brazil			
				1 0 1 1 = Chile			
				1 1 0 0 = Columbia			
				1 1 0 1 = India			
				1 1 1 0 = Kuwait			
				1 1 1 1 = Not used			

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	126			b ₀	External Equipment Alarm Timer (0-127): If external equipment continues to send alarm information for the duration over this timer value, the system will regard it as a failure. Example: b₆ b₅ b₄ b₃ b₂ b₁ b₀ 0 0 1 1 1 1 0 = 30 seconds 1 1 1 1 0 0 0 = 120 seconds		
				b ₁			
				b ₂			
				b ₃			
				b ₄			
				b ₅			
				b ₆			
				b ₇	When MFC Public Exchange requests one more digit (GA-I): 0/1 = Node sends GI-15 (end of digit) and waits a Backward Signal/Node waits a Backward Signal		
	127	00			Not used		
	128			b ₀	Miscellaneous Timer counter (MTC) is to be assigned a value from 0 HEX to F HEX (0–15). ORT SEIZURE DIAL PULSE 		The interval from the time a register is accessed until it receives the first digit. Timer Value Setting is MTC × 2 seconds. Note: When this data is 00 HEX, default data is automatically set to 12 seconds.
				b ₁			
				b ₂			
				b ₃			
			0	b ₄ -b ₇	Not used		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	129			b ₀	Register Inter Digit 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 HEX, default data is automatically set to six seconds.
				b ₁		
				b ₂		
				b ₃		
		0	b ₄ -b ₇	Not used		
	130			b ₀	Sender Connection Acknowledgment Timer: Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0-15). 	For calls over TIE Lines, the sender requires an ACK signal from the distant Node before it can send digits. This timer specifies how long the sender must wait. Timer Value Setting is MTC × 2 seconds. Note: When this data is 00 HEX, default data is automatically set to four seconds.
				b ₁		
				b ₂		
				b ₃		
		0	b ₄ -b ₇	Not used		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	131		0	b ₀ -b ₃	Not used	For second DT trunks, the sender waits until this timer expires before sending dialed digits. Timer Value Setting is MTC × 512 milliseconds. Note: When this data is 00 HEX, the following default data is automatically set: Note: DP=3 seconds Note: PB=2.5 seconds
				b ₄	Sender Prepause Timer: Miscellaneous Timer Counter (MTC) is assigned a value from 0 HEX to F HEX (0-15). 	
				b ₅		
				b ₆		
				b ₇		
	132			b ₀	Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0~15).	MFC Response Timer MTC × 2 seconds
				b ₁		
				b ₂		
				b ₃		
				b ₄	Sender Inter Digit Timer for DP: 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: 10 pps; MTC × 1 seconds 20 pps; MTC × 1 seconds Note: When this data is 00 HEX, 700 milliseconds/10 pps and 450 milliseconds/20 pps are automatically set.
				b ₅		
				b ₆		
				b ₇		
				b ₇		
				b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	133			b ₀	Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0~15).	MFC Inter Digit Timer MTC × 2 seconds
				b ₁		
				b ₂		
				b ₃		
				b ₄	Sender Inter Digit Timer for PB Note 6 : 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 60 milliseconds/ 120 milliseconds + MTC × 512 milliseconds
				b ₅		
				b ₆		
				b ₇		

OGT START "3" "2"

SENDING PB SIGNAL

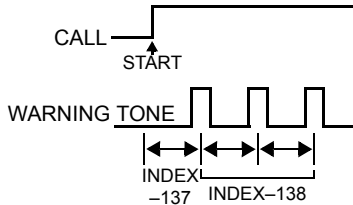
Note 6: This timer is not available for UG50.

Note: When this data is 00 HEX, timer value is 60 milliseconds/120 milliseconds

Note: 60/120 milliseconds is decided by parameter ONSG of the ARTD command.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	134			b ₀	ATT Sender Release Timer:	After connection to Second DT trunk. If this timer expires before the sender receives an answer from the Second DT trunk, the ATT display changes to RT/TRK and the sender is released (false answer). Timer Value Setting is $MTC \times TC$ seconds Note: When this data is 00 HEX, default data is automatically set to four seconds.
				b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	
				b ₂		
				b ₃		
				b ₄	Timer Class (TC) is to be assigned one of the following values:	
				b ₅		
				b ₆	$\underline{b_6} \quad \underline{b_5} \quad \underline{b_4}$ $\underline{b_6} \quad \underline{b_5} \quad \underline{b_4}$ 0 0 1 = – 1 0 1 = – 0 1 0 = – 1 1 0 = – 0 1 1 = 2 sec. 1 1 1 = –	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																									
			DATA 0/1	BIT																																										
1	135			b ₀	Seizure Guard Timer:	After a trunk is seized, it cannot be dialed until this timer expires. This timer prevents by-passing of Toll Restriction. Timer Value Setting is MTC × TC milliseconds Note: When this data is 00 HEX, default data is automatically set to one second.																																								
				b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 5 HEX to F HEX (5-15). Note: 0 HEX to 4 HEX cannot be assigned.																																									
				b ₂																																										
				b ₃																																										
				b ₄	Timer Class (TC) is to be assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= 64 msec.</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= -</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		0	0	0	= -	1	0	0	= -	0	0	1	= 64 msec.	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= -	1	1	1	= -
			<u>b₆</u>	<u>b₅</u>			<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
			0	0			0	= -	1	0	0	= -																																		
			0	0	1		= 64 msec.	1	0	1	= -																																			
	0	1	0	= -	1	1	0	= -																																						
	0	1	1	= -	1	1	1	= -																																						
		b ₅																																												
		b ₆																																												
	0	b ₇	Not used																																											
	136				b ₀	Ground Button on Hold Timer for Special Common Battery Telephone:	When a station with a ground button goes off-hook and presses the button for the interval specified by this timer, the Node recognizes it as being off-hook. Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to four seconds.																																							
					b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																								
				b ₂																																										
				b ₃																																										
				b ₄	Timer Class (TC) is to be assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= -</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>	<u>b₆</u>		<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		0	0	0	= -	1	0	0	= -	0	0	1	= -	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2sec.	1	1	1	= -
<u>b₆</u>				<u>b₅</u>		<u>b₄</u>			<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
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0	1	0	= -	1	1	0	= -																																							
0	1	1	= 2sec.	1	1	1	= -																																							
	b ₅																																													
	b ₆																																													
0	b ₇	Not used																																												

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																									
			DATA 0/1	BIT																																										
1	137			b ₀	Start Timer for Periodic Indication Tone:	This timer specifies the point in a conversation where the first Periodic Indication Tone is sent. This timer is only valid for routes that have been assigned Periodic Indication Tone service via parameter TELP (CDN 29) of command ARTD. Timer Value Setting is MTC + 1 × TC. Note: When this data is 00 HEX, default data is automatically set to three minutes (±30 seconds).																																								
				b ₁	Miscellaneous Timer Counter (MTC) is assigned a value from 1 HEX to F HEX (1-15).																																									
				b ₂																																										
				b ₃																																										
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				b ₅																																										
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			b ₆	b ₅	b ₄			b ₆	b ₅	b ₄																																				
			0	0	0		= -	1	0	0	= 30 sec.																																			
	0	0	1	= 64msec.	1	0	1	= -																																						
	0	1	0	= -	1	1	0	= -																																						
	0	1	1	= 2 sec.	1	1	1	= -																																						
	0	b ₇	Not used																																											
	138				b ₀	Periodic Indication Tone Interval Timer:	This timer assigns the interval between Periodic Indication Tones, after the first tone has been sent. Timer Value Setting is MTC + 1 × TC. Note: When this data is 00 HEX, default data is automatically set to three minutes (±30 seconds).																																							
					b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																								
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					b ₃																																									
				b ₄	Timer Class (TC) is to be assigned one of the following values:																																									
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				b ₆		<table><tr><td>b₆</td><td>b₅</td><td>b₄</td><td></td><td>b₆</td><td>b₅</td><td>b₄</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= 30 sec.</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= 64msec.</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2 sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>		b ₆	b ₅	b ₄		b ₆	b ₅	b ₄		0	0	0	= -	1	0	0	= 30 sec.	0	0	1	= 64msec.	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2 sec.	1	1	1
b ₆				b ₅	b ₄			b ₆	b ₅	b ₄																																				
0				0	0	= -		1	0	0	= 30 sec.																																			
0	0	1	= 64msec.	1	0	1	= -																																							
0	1	0	= -	1	1	0	= -																																							
0	1	1	= 2 sec.	1	1	1	= -																																							
0	b ₇	Not used																																												

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	139			b ₀	No Answer Timer: Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	No Answer Timer for Station to Station, DID, and TIE Line calls. This timer applies to CF-Don't Answer, Call Back, and Call Hold.
				b ₁		
				b ₂		
				b ₃		
				b ₄	Timer Class (TC) is to be assigned one of the following values: <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 0 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 0 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 0 1 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 0 1 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 1 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 1 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 1 1 = 2 sec. <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 1 1 = 8 sec.	No answer timer for Station called back by Outgoing Trunk Queuing. Timer Value Setting is MTC × TC seconds Note 2, Note 3 Note 5, Note 6
				b ₅		
				b ₆		
			0	b ₇		
	140			b ₀	No Answer Timer for Recall on Call Transfer/ATT Overflow Timer Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	The duration for which a call will ring at the transfer destination before it will recall to the transferring party. The timer value is effective when Index 69, b ₀ =0. Timer Value Setting is MTC × TC seconds Note 2, Note 4, Note 6
				b ₁		
				b ₂		
				b ₃		
				b ₄	Timer Class (TC) is to be assigned one of the following values: <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 0 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 0 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 0 1 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 0 1 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 1 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 1 0 = – <u>b₆</u> <u>b₅</u> <u>b₄</u> 0 1 1 = 2 sec. <u>b₆</u> <u>b₅</u> <u>b₄</u> 1 1 1 = 8 sec.	
				b ₅		
				b ₆		
			0	b ₇		

- Note 2:** When this data is 00HEX, default data is automatically set to 30 seconds.
- Note 3:** For Call Park Group -D and Call Park Group (PS):
If ASYDL, System Data 1, Index 661, Bits 4-6 = 03 HEX or 04 HEX, this data becomes invalid.
- Note 4:** If this data is applied to ATT Overflow Timer, default data 00 is set to 40 seconds.
- Note 5:** Normally, this timer can be applied per terminal by using the ADAI command. However, this operation does not take effect when CALL PARK GROUP -D[C-176D] or CALL PARK GROUP -PS[C-175] is used.
- Note 6:** The time set for a Station with ASYD/ASYDN System Data 1, Index 1396 (no answer timer for the transfer of unanswered calls in a Hunt Group) will be given priority.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS				
			DATA 0/1	BIT					
1	141			b ₀	No Answer Timer for Station Call from ATT:	This timer applies to stations for which CF-Don't Answer has been set. This timer assigns the duration for which calls being transferred by the attendant will ring at the station before being forwarded. Timer Value Setting is MTC × TC seconds			
				b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).				
				b ₂					
				b ₃					
				b ₄			Timer Class (TC) is to be assigned one of the following values:		
				b ₅					
				b ₆	$\begin{array}{ccccccc} \underline{b_6} & \underline{b_5} & \underline{b_4} & & \underline{b_6} & \underline{b_5} & \underline{b_4} \\ 0 & 0 & 0 & = & - & 1 & 0 & 0 & = & - \\ 0 & 0 & 1 & = & - & 1 & 0 & 1 & = & - \\ 0 & 1 & 0 & = & - & 1 & 1 & 0 & = & - \\ 0 & 1 & 1 & = & 2 \text{ sec.} & 1 & 1 & 1 & = & 8 \text{ sec.} \end{array}$				
					0		b ₇	Not used	
	142				b ₀	Automatic Recall Timer for Call Park service:	Timer Value Setting is MTC × TC seconds		
					b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).			
					b ₂				
					b ₃				
					b ₄			Timer Class (TC) is to be assigned one of the following values:	
					b ₅				
					b ₆	$\begin{array}{ccccccc} \underline{b_6} & \underline{b_5} & \underline{b_4} & & \underline{b_6} & \underline{b_5} & \underline{b_4} \\ 0 & 0 & 0 & = & - & 1 & 0 & 0 & = & - \\ 0 & 0 & 1 & = & - & 1 & 0 & 1 & = & - \\ 0 & 1 & 0 & = & - & 1 & 1 & 0 & = & - \\ 0 & 1 & 1 & = & 2 \text{ sec.} & 1 & 1 & 1 & = & 8 \text{ sec.} \end{array}$			
						0		b ₇	Not used
143				00					Not used

Note 6

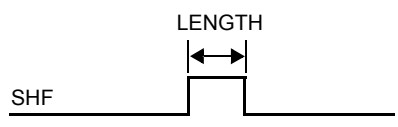
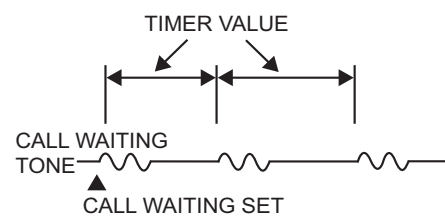
Note: When this data is 00 HEX, default data is automatically set to 10 seconds.

Note: When this data is 00 HEX, default data is automatically set to 450 seconds.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS			
			DATA 0/1	BIT				
1	144			b ₀	Automatic Hold Recall Timer for Desktop terminal:	This timer is used for Exclusive Hold and Non-Exclusive Hold. Timer Value Setting is MTC × TC seconds Note: When this data is 00 HEX, default data is automatically set to 30 seconds.		
				b ₁			Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	
				b ₂				
				b ₃				
				b ₄	Timer Class (TC) is to be assigned one of the following values:			
				b ₅				
				b ₆	b ₆ b ₅ b ₄ b ₆ b ₅ b ₄ 0 0 0 = – 1 0 0 = – 0 0 1 = – 1 0 1 = – 0 1 0 = – 1 1 0 = – 0 1 1 = 2 sec. 1 1 1 = 8 sec.			
			0		b ₇		Not used	
			145					b ₀
		b ₁				Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).		
		b ₂						
		b ₃						
	1	b ₄		Timer Class (TC) must be assigned as “001”.				
	0	b ₅						
		0		b ₆		TC = 001 means eight seconds. b ₆ b ₅ b ₄ b ₆ b ₅ b ₄ 0 0 1 = 8 sec. 1 0 0 = – 0 0 1 = – 1 0 1 = – 0 1 0 = – 1 1 0 = – 0 1 1 = – 1 1 1 = –		
						b ₇	Attendant Console Automatic Recall Timer Value 0/1 = Ineffective/Effective	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																										
			DATA 0/1	BIT																																											
1	146			b ₀	Howler Tone Timer:	This timer assigns the duration between tones when Howler Tone is being sent to a station. Timer Value Setting is MTC × TC. The Interval Pattern is assigned in Index 64, b₃ and b₄. Note: When this data is 00 HEX, default data is automatically set to 30 seconds.																																									
				b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																										
				b ₂																																											
				b ₃																																											
				b ₄	Timer Class (TC) is to be assigned one of the following values:																																										
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				b ₆			<table><tr><td>b₆</td><td>b₅</td><td>b₄</td><td></td><td>b₆</td><td>b₅</td><td>b₄</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= -</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2 sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>	b ₆	b ₅	b ₄		b ₆	b ₅	b ₄		0	0	0	= -	1	0	0	= -	0	0	1	= -	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2 sec.	1	1	1	= -
			b ₆				b ₅	b ₄		b ₆	b ₅	b ₄																																			
			0		0		0	= -	1	0	0	= -																																			
			0	0	1		= -	1	0	1	= -																																				
	0	1	0	= -	1	1	0	= -																																							
	0	1	1	= 2 sec.	1	1	1	= -																																							
	0	b ₇	Not used																																												
	147			b ₀	Direct-In Termination Station Busy (DIT, NC-Fix) Supervisory Timer:	The frequency with which software will check the idle/busy status of a DIT station or Night Connection station after an incoming call encounters a busy condition. Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to two seconds.																																									
				b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																										
				b ₂																																											
				b ₃																																											
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				b ₆			<table><tr><td>b₆</td><td>b₅</td><td>b₄</td><td></td><td>b₆</td><td>b₅</td><td>b₄</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= -</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2 sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>	b ₆	b ₅	b ₄		b ₆	b ₅	b ₄		0	0	0	= -	1	0	0	= -	0	0	1	= -	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2 sec.	1	1	1	= -
			b ₆				b ₅	b ₄		b ₆	b ₅	b ₄																																			
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			0	0	1		= -	1	0	1	= -																																				
	0	1	0	= -	1	1	0	= -																																							
	0	1	1	= 2 sec.	1	1	1	= -																																							
0	b ₇	Not used																																													
148	00			Not used																																											

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																										
			DATA 0/1	BIT																																											
1	149			b ₀	Camp-On Recall Timer for CAS-Satellite Station:	The duration for which a call will remain Camped-On to a station at the Satellite Node before being recalled to the attendant. Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 30-32 seconds.																																									
				b ₁			Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																								
				b ₂																																											
				b ₃																																											
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			<u>b₆</u>	<u>b₅</u>				<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
			0	0				0	= -	1	0	0	= -																																		
	0	0	1	= -	1	0		1	= -																																						
	0	1	0	= -	1	1	0	= -																																							
	0	1	1	= 2 sec.	1	1	1	= -																																							
		b ₆																																													
	0	b ₇	Not used																																												
	150			b ₀	SHF Sending Guard Timer for CAS-main station:	The length of time the attendant must wait before transferring a call to the Satellite Node after making a switch hook flash. Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set from 960-1024 milliseconds.																																									
				b ₁			Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																								
				b ₂																																											
			b ₃																																												
			b ₄	Timer Class (TC) is to be assigned one of the following values:																																											
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<u>b₆</u>			<u>b₅</u>				<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																				
0			0				0	= -	1	0	0	= -																																			
0	0	1	= -	1		0	1	= -																																							
0	1	0	= -	1	1	0	= -																																								
0	1	1	= 2 sec.	1	1	1	= -																																								
	b ₆																																														
0	b ₇	Not used																																													

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																																			
			DATA 0/1	BIT																																																				
1	151			b ₀	SHF length for a CAS main station: Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 1F HEX (0-31). 	The length of an SHF signal being sent from the Main to a Satellite Node. Timer Value Setting is MTC × 32 milliseconds (MTC+1) × 32 milliseconds. Note: When this data is 00 HEX, default data is automatically set from 448 milliseconds.- 480 milliseconds.																																																		
				b ₁																																																				
				b ₂																																																				
				b ₃																																																				
				b ₄																																																				
				b ₅ -b ₇	Not used																																																			
	152			b ₀	Interval for Call Waiting Indication Tone to Busy Station: Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15). 	The interval between tones when CW Periodic Indication Tone has been enabled in SYS 2, Index 10, b ₇ . Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 10 seconds.																																																		
				b ₁																																																				
				b ₂																																																				
				b ₃																																																				
				b ₄	Timer Class (TC) is to be assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td>=</td><td>–</td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td>=</td><td>–</td></tr><tr><td>0</td><td>0</td><td>0</td><td>=</td><td>–</td><td>1</td><td>0</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>0</td><td>1</td><td>=</td><td>–</td><td>1</td><td>0</td><td>1</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>0</td><td>=</td><td>–</td><td>1</td><td>1</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>1</td><td>=</td><td>2 sec.</td><td>1</td><td>1</td><td>1</td><td>=</td><td>8 sec.</td></tr></table>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>	=	–	<u>b₆</u>	<u>b₅</u>	<u>b₄</u>	=	–	0	0	0	=	–	1	0	0	=	–	0	0	1	=	–	1	0	1	=	–	0	1	0	=	–	1	1	0	=	–	0	1	1	=	2 sec.	1	1	1	=	8 sec.
			<u>b₆</u>	<u>b₅</u>			<u>b₄</u>	=	–	<u>b₆</u>	<u>b₅</u>	<u>b₄</u>	=	–																																										
			0	0			0	=	–	1	0	0	=	–																																										
0	0	1	=	–	1	0	1	=	–																																															
0	1	0	=	–	1	1	0	=	–																																															
0	1	1	=	2 sec.	1	1	1	=	8 sec.																																															
	b ₅																																																							
	b ₆																																																							
0	b ₇	Not used																																																						

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																									
			DATA 0/1	BIT																																										
1	153			b ₀	Data Communication RS-232C RS-CS Signal Control service: This timer is to be assigned a value from 0 HEX to F HEX (0-15) 0 HEX = 60 milliseconds 1-7 HEX = – 8 HEX = 0 milliseconds 9 HEX = 30 milliseconds A HEX = 60 milliseconds B HEX = 120 milliseconds C HEX = 240 milliseconds D HEX = 360 milliseconds E HEX = 720 milliseconds F HEX = 1080 milliseconds	RS-232C Guard Time after RS-ON until CS-ON during data communications. Note: When this data is 00 HEX, default data is automatically set to 60 milliseconds.																																								
				b ₁																																										
				b ₂																																										
				b ₃																																										
		0	b ₄ -b ₇	Not used																																										
	154	00			Not used																																									
	155				b ₀	Attendant Console Sender Prepause Timer: Miscellaneous Timer Counter (MTC) is assigned a value from 1 HEX to F HEX (1-15).	Allows time for the C.O. to provide Dial Tone when the ATT accesses a Loop and a seconds Dial Tone trunk. Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 4 seconds.																																							
					b ₁																																									
					b ₂																																									
					b ₃																																									
					b ₄	Timer Class (TC) is assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= –</td><td>1</td><td>0</td><td>0</td><td>= –</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= –</td><td>1</td><td>0</td><td>1</td><td>= –</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= – 2 sec.</td><td>1</td><td>1</td><td>0</td><td>= –</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= –</td><td>1</td><td>1</td><td>1</td><td>= –</td></tr></table>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		0	0	0	= –	1	0	0	= –	0	0	1	= –	1	0	1	= –	0	1	0	= – 2 sec.	1	1	0	= –	0	1	1	= –	1	1	1
<u>b₆</u>				<u>b₅</u>	<u>b₄</u>				<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
0				0	0			= –	1	0	0	= –																																		
0				0	1			= –	1	0	1	= –																																		
0				1	0	= – 2 sec.		1	1	0	= –																																			
0	1	1	= –	1	1	1	= –																																							
	b ₅																																													
	b ₆																																													
		b ₇	Attendant Console Sender Prepause Timer 0/1 = Ineffective/Effective																																											

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																									
			DATA 0/1	BIT																																										
1	156			b ₀	Trunk Soft Hold Timer A: Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 30 seconds.																																								
				b ₁																																										
				b ₂																																										
				b ₃																																										
				b ₄	Timer Class (TC) is to be assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= -</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2 sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		0	0	0	= -	1	0	0	= -	0	0	1	= -	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2 sec.	1	1	1	= -
			<u>b₆</u>	<u>b₅</u>			<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
			0	0			0	= -	1	0	0	= -																																		
			0	0			1	= -	1	0	1	= -																																		
	0	1	0	= -	1	1	0	= -																																						
	0	1	1	= 2 sec.	1	1	1	= -																																						
		b ₅																																												
		b ₆																																												
	0	b ₇	Not used																																											
	157				b ₀	Trunk Soft Hold Timer B: Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	Timer Value Setting is MTC × TC seconds. Note 1																																							
					b ₁																																									
				b ₂																																										
				b ₃																																										
				b ₄	Timer Class (TC) is to be assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= -</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2 sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table>	<u>b₆</u>		<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		0	0	0	= -	1	0	0	= -	0	0	1	= -	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2 sec.	1	1	1	= -
<u>b₆</u>				<u>b₅</u>		<u>b₄</u>			<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
0				0		0		= -	1	0	0	= -																																		
0				0		1		= -	1	0	1	= -																																		
0	1	0	= -	1	1	0	= -																																							
0	1	1	= 2 sec.	1	1	1	= -																																							
	b ₅																																													
	b ₆																																													
0	b ₇	Not used																																												

Note 1: When this data is 00 HEX, default data is automatically set to 18 seconds. If Answer Signal is not received from destination office in C.O./TIE Line originating calls via Sender (ARTD ANS = 0 is set), Answer Signal is sent when this timer expires. (For tandem connection, assign the data at SYS1, Index 243.)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	158			b ₀	Attendant Console Busy Verification Warning Tone Timer:	The interval between BV tones. Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 14 seconds.
				b ₁		
				b ₂		
				b ₃	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).	
			TONE 1ST. 2ND.			
				b ₄	Timer Class (TC) is to be assigned one of the following values:	
				b ₅		
		b ₆	b₆ b₅ b₄ 0 0 0 = – 0 0 1 = – 0 1 0 = – 0 1 1 = 2 sec. b₆ b₅ b₄ 1 0 0 = – 1 0 1 = – 1 1 0 = – 1 1 1 = –			
		b ₇	Not used			
	159			b ₀	OG Trunk Queuing Automatic Cancel Timer:	The duration before the OG Queuing memory becomes cleared if no trunks become idle. Timer Value Setting is MTC × 30 seconds. Note: When this data is 00 HEX, default data is automatically set to 30 minutes. This timer is effective when SYS1, Index 68, b₃=1.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			b ₆			
0			b ₇	Not used		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	160		1	b ₀	Hotel Feature required (Fixed Data)	(for Hotel system)
			1	b ₁	Hotel Service kind (Fixed Data)	
				b ₂	Length of Room Status Memory 0/1 = 8 byte/24 byte	
			0	b ₃	Pattern of Key Arrangement on Attendant Console	
			0	b ₄	(Refer to Table "Key Arrangement for Hotel ATT", Table "Key Arrangements for Hotel Add-On Console") (Usually, 00)	
				b ₅	Guest Name Service 0/1 = Out of service/ In service	
				b ₆	Numbering Plan Data Table of guest station and administration stations 0/1 = Separate/Common Note: If 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 and AASP for Administration Numbering Plan and AGNP and AGSP for Guest Numbering Plan. Note: If this index is changed from separate to common, data memory will be fragmented. To recover the system, change this index to separate, delete all AGNP; then, delete all guest stations. Reassign this index as common and delete all AASP data for the Administration. Reassign data as needed.	
			0	b ₇	Fixed to "0".	

Key Arrangement for Hotel ATT

DATA		KEY ARRANGEMENT	REMARKS
b ₄	b ₃		
0	0	WUS DDS MWS RCS AUD WUR DDR MWR RCR STS	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 Cut Off Set RCR: Room Cut Off Reset AUD: Audit Report STS: Status Check C/I: Check In C/O: Check Out SCS: Boss-Secretary Set SCR: Boss-Secretary Reset COC: Manual Switching of C.O. Incoming Call
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	

Key Arrangements for Hotel Add-On Console

DATA		KEY ARRANGEMENT	REMARKS												
b ₄	b ₃														
0	0	<table><tr><td>WUS</td><td>DDS</td><td>RCS</td><td>MWS</td><td></td><td>AUD</td></tr><tr><td>WUR</td><td>DDR</td><td>RCR</td><td>MWR</td><td></td><td>STS</td></tr></table>	WUS	DDS	RCS	MWS		AUD	WUR	DDR	RCR	MWR		STS	WUS: Wake-Up Set WUR: Wake-Up Reset DDS: Do Not Disturb Set DDR: Do Not Disturb Reset
WUS	DDS	RCS	MWS		AUD										
WUR	DDR	RCR	MWR		STS										
0	1	<table><tr><td>WUS</td><td>DDS</td><td>RCS</td><td>MWS</td><td></td><td>COC</td></tr><tr><td>WUR</td><td>DDR</td><td>RCR</td><td>MWR</td><td></td><td>STS</td></tr></table>	WUS	DDS	RCS	MWS		COC	WUR	DDR	RCR	MWR		STS	MWS: Message Waiting Set MWR: Message Waiting Reset RCS: Room Cut Off Set RCR: Room Cut Off Reset
WUS	DDS	RCS	MWS		COC										
WUR	DDR	RCR	MWR		STS										
1	0	<table><tr><td>WUS</td><td>DDS</td><td>RCS</td><td>MWS</td><td>C/I</td><td>AUD</td></tr><tr><td>WUR</td><td>DDR</td><td>RCR</td><td>MWR</td><td>C/O</td><td>STS</td></tr></table>	WUS	DDS	RCS	MWS	C/I	AUD	WUR	DDR	RCR	MWR	C/O	STS	AUD: Audit Report STS: Status Check C/I: Check In C/O: Check Out
WUS	DDS	RCS	MWS	C/I	AUD										
WUR	DDR	RCR	MWR	C/O	STS										
1	1	<table><tr><td>WUS</td><td>DDS</td><td>RCS</td><td>MWS</td><td>SCS</td><td>AUD</td></tr><tr><td>WUR</td><td>DDR</td><td>RCR</td><td>MWR</td><td>SCR</td><td>STS</td></tr></table>	WUS	DDS	RCS	MWS	SCS	AUD	WUR	DDR	RCR	MWR	SCR	STS	SCS: Boss-Secretary Set SCR: Boss-Secretary Reset COC: Manual Switching of C.O. Incoming Call
WUS	DDS	RCS	MWS	SCS	AUD										
WUR	DDR	RCR	MWR	SCR	STS										

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	161			b ₀	Don't Disturb Override key on the Attendant Console 0/1 = Out of service/In service	(for Hotel system)
				b ₁	Message Waiting Service 0/1 = Out of service/In service	
				b ₂	Language Service 0/1 = Out of service/In service	
				b ₃	Split Hold Service 0/1 = Out of service/In service	
			0	b ₄	Not used	
				b ₅	Direct Station Select (DSS) key on the Attendant Console 0/1 = Ineffective/Effective	
				b ₆	Timing Start using “#” Code 0/1 = Ineffective/Effective Note: This data is available in both Business and Hotel applications. Do not assign “*” or “#” as last digit of feature access code. No station may use “*” or “#” in numbering.	
				b ₇	Timing Start using “*” Code 0/1 = Ineffective/Effective Note: This data is available in both Business and Hotel applications. Do not assign “*” or “#” as last digit of feature access code. No station may use “*” or “#” in numbering.	

SYS- TEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	164			b ₀	Number of Digits in Maid ID Code	(for Hotel system)
				b ₁	$\begin{array}{ccc} \underline{b_2} & \underline{b_1} & \underline{b_0} \\ 0 & 0 & 0 = \text{Not used} \end{array}$ $\begin{array}{ccc} \underline{b_2} & \underline{b_1} & \underline{b_0} \\ 1 & 0 & 0 = 4 \text{ digits} \end{array}$	
				b ₂	$\begin{array}{ccc} 0 & 0 & 1 = 1 \text{ digit} \\ 0 & 1 & 0 = 2 \text{ digits} \\ 0 & 1 & 1 = 3 \text{ digits} \end{array}$ $\begin{array}{ccc} 1 & 0 & 1 = 5 \text{ digits} \\ 1 & 1 & 0 = 6 \text{ digits} \\ 1 & 1 & 1 = \text{Not used} \end{array}$	
				b ₃	ID Code for setting/canceling Maid Status Note 1 0/1 = Not Required/Required	
				b ₄	Number of Digits for Group Code (PMS option)	
				b ₅	$\begin{array}{ccc} \underline{b_6} & \underline{b_5} & \underline{b_4} \\ 0 & 0 & 0 = \text{Not used} \end{array}$ $\begin{array}{ccc} \underline{b_6} & \underline{b_5} & \underline{b_4} \\ 1 & 0 & 0 = 4 \text{ digits} \end{array}$	
				b ₆	$\begin{array}{ccc} 0 & 0 & 1 = 1 \text{ digit} \\ 0 & 1 & 0 = 2 \text{ digits} \\ 0 & 1 & 1 = 3 \text{ digits} \end{array}$ $\begin{array}{ccc} 1 & 0 & 1 = 5 \text{ digits} \\ 1 & 1 & 0 = 6 \text{ digits} \\ 1 & 1 & 1 = \text{Not used} \end{array}$	
	165			b ₇	ID Code for setting/canceling Automatic Wake-Up or Group Announcement from the Special Administration station 0/1 = Not Required/Required Note 1	
				b ₀	Port Number of connecting the Hotel Printer Command Service Note 2	
				b ₁	$\begin{array}{ccc} \underline{b_2} & \underline{b_1} & \underline{b_0} \\ 0 & 0 & 0 = \text{Port 0} \end{array}$ $\begin{array}{ccc} \underline{b_2} & \underline{b_1} & \underline{b_0} \\ 0 & 1 & 1 = \text{Port 3} \end{array}$	
				b ₂	$\begin{array}{ccc} 0 & 0 & 1 = \text{Port 1} \\ 0 & 1 & 0 = \text{Port 2} \end{array}$ $\begin{array}{ccc} 1 & 0 & 0 = \text{Port 4} \\ 1 & 0 & 1 = \text{Port 5} \\ 1 & 1 & 0 = \text{Port 6} \\ 1 & 1 & 1 = \text{Port 7} \end{array}$	
				b ₃	Hotel Printer In Service 0/1 = Not Required/Required	
				b ₄	Automatic Wake-Up – Hotel Attendant Assistant 0/1 = Out of service/In service	
				b ₅	Setting the priority for guest station in Automatic Wake- Up 0/1 = Out of service/In service	
				b ₆	Wake-Up information (time, station number, etc.) print- out 0/1 = Out of service/In service	
				b ₇	Floor Service 0/1 = Out of service/In service	

Note 1: If data of b₇ is 1 or b₃ is 1, bits 0, 1, 2 of Index 164 must be enabled for the number of digits.

Note 2: Maximum eight ports (Port 0 through 7)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	166	00	0	b ₀		Assign “00” for business sys- tems.
			0	b ₁		
			0	b ₂		
			0	b ₃		
			0	b ₄		
			0	b ₅		
			0	b ₆		
			0	b ₇		
	167	00	0	b ₀		
			0	b ₁		
			0	b ₂		
			0	b ₃		
			0	b ₄		
			0	b ₅		
			0	b ₆		
			0	b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	168			b ₀	Group Announcement Service through PMS 0/1 = Out of service/In service	(for Hotel System) Assign “00” for business systems.
				b ₁	Audit Reports 0/1 = Out of service/In service	
			0	b ₂	Not used	
			0	b ₃		
				b ₄	Off-hook Alarm (service) 0/1 = Out of service/In service	
				b ₅	Destination for Off-Hook Alarm Termination 0/1 = Attendant Console/Station	
				b ₆	Destination for Priority Call Termination 0/1 = Attendant Console/Station	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	169			b ₀	Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 to F HEX, (0~15)	Announcement trunk release timer to reset the announcement. Available only with single connection. 2 seconds. × MTC (If MTC = 0 HEX: 30 seconds)	(for Hotel system) Assign “00” for business systems.
				b ₁			
				b ₂			
				b ₃			
				b ₄	When the system provides Automatic Wake-Up Service, and the number of calls for whom Automatic Wake-Up at the same time has been set exceeds the predetermined overflow threshold value (512 calls/LP), assign data specifying how many minutes earlier the wake-up time for the overflowed calls will be 5 minutes × N HEX		
				b ₅			
				b ₆			
				b ₇			
	170			b ₀	Room status data (b ₂ , b ₁ , b ₀) to be set at the time of Checkout		
				b ₁	b₂ b₁ b₀ 0 0 0 = – 0 0 1 = To be Cleaned b₂ b₁ b₀ 0 1 0 = Cleaned 0 1 1 = Ready for Occupancy		
				b ₂	Do not assign other data.		
				b ₃	Restriction at the time of Do Not Disturb and Room Cutoff 0/1 = Room Status Memory/Change of RSC Note 1		
				b ₄	Timing Start 0/1 = Not Required/Required		
				b ₅	SHF from a guest station while talking 0/1 = Effective (goes to ORT)/Ineffective (goes to Attendant Console)		
				b ₆	Day/Night Change of RSC 0 = Time zone changing per Day/Night Change Table (ADNR) 1 = By NIGHT key of the Attendant Console		
				b ₇	Message Registration 0/1: Yes/No		

Note 1: Room Cutoff (RSC13)
Do Not Disturb (RSC14)
Room Cutoff and Do Not Disturb (RSC15)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	171			b ₀	This data designates how many times retry is allowed when Room Data image transfer fails (usually, 10 HEX).	
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
				b ₆		
			0	b ₇	Fixed "0"	
	172			b ₀	Message Waiting	Data transfer to/from PMS when executing the service. 0/1 = Not Executed/ Executed
				b ₁	Message Registration	
				b ₂	Do Not Disturb, Room Cutoff	
				b ₃	Room Status	
				b ₄	Automatic Wake-Up, Group Announcement	
				b ₅	Room Change, Room Swap	
				b ₆	Room Data Change	
			0	b ₇	Not used	
	173			b ₀	Designation of Printer output ports for Hotel features. b ₀ = Port 0 b ₃ = Port 3 b ₆ = Port 6 b ₁ = Port 1 b ₄ = Port 4 b ₇ = Port 7 b ₂ = Port 2 b ₅ = Port 5 Note 1: Maximum eight ports (#0 through #7). Note 2: Port 7 is not available.	(for Hotel system)
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
				b ₆		
				b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	174		0	b ₀ -b ₄	Not used
					SMDR output method in CCIS/ISDN tandem node. Specify the information type of calling party in the outgoing call via CCIS (calling party's number in ISDN). 0=Station number Note 1 1=Route Number and Trunk Number of incoming trunk Note 2, Note 3 Note 1: In CCIS Network, the number is limited to six digits including the node number of RT=0 in the ARNP command. Note 2: Assign 1 when using IS-11572/Dp Channel so that billing may be processed by using Route Number of Incoming Trunk. If 0 is assigned in this instance, billing will not applied correctly on the ground that the Calling Party Number cannot be referred to. Note 3: If 0 is assigned for this data, when [T-1] Tandem Switching of TIE Trunks - 2/4-Wire is used in CCIS network, the billing information output at tandem node will be changed depending on the System Data - ASYD, Sys 1, Index 241, Bit 6. (Process to be executed when the length of Caller ID exceeds the limits) [Example] When Calling Party Number is 123456789 and limited to 8 digits: In the case of Index 241, bit 6 =0, the calling party number will be set as 1234567*. (8 digits will be displayed including * that indicates that there is an information not being displayed. The six digits from the top digit will be output as the billing information. (123456)) In the case of Index 241, bit 6=1, the calling party number will be set as *3456789. (8 digits will be displayed including * that indicates that there is an information not being displayed. The six digits from the top digit will be output as the billing information. (*34567))
			0	b ₆	Not used
			0	b ₇	

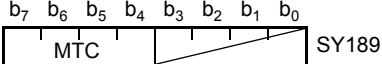
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	175	00			Not used		
	176		0	b ₀ -b ₃	Not used	(for Hotel system)	
				b ₄	If Automatic Wake-Up Set/Cancel is failed:		
				b ₅	<u>b5</u> <u>b4</u> <u>b5</u> <u>b4</u> 0 0 = ROT 1 0 = Announcement 0 1 = ATT 1 1 = -		
				b ₆	0/1 = PMS Interface Text output (all event printout) Not provided/Provided Note 1		
			0	b ₇	Not used		
			177		0		b ₀ -b ₅
		b ₆			Guest answers camped-on call by switch hook flash 0/1 = Restricted/Allowed (U.S.A. and Canada only)	(for Hotel system)	
		b ₇			Attendant Console Multiple recall 0/1 = Out of service/In service (U.S.A. and Canada only)		
	178	00			Not used		
	179			b ₀	Ringing Duration for Automatic Wake-Up	(for Hotel System)	
				b ₁	<u>b1</u> <u>b0</u> <u>b1</u> <u>b0</u> 0 0 = 30 seconds1 0 = 45 seconds 0 1 = 15 seconds1 1 = 60 seconds		
				b ₂	Automatic Message Waiting Lamp Off service (for HP types) 0/1 = Out of service/In service		
			0	b ₃	Not used		
				b ₄	Attendant Console Monitor Function 0/1 = Out of service/In service		
			0	b ₅ -b ₇	Not used		

Note 1: Data 1 (PMS Interface Text output provided) is used only with the Interface test. Assign data "0" when it is in normal operation.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	180			b ₀	b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀ SI180 SI181 0 OPC OPC: Originating Point Code
				b ₁	
				b ₂	
				b ₃	
				b ₄	
				b ₅	
				b ₆	
				b ₇	
	181			b ₀	b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀ SI180 SI181 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 = 10 HEX = 00 HEX Note: The OPC value is expressed by all 16 bits. For example, if the OPC value is 16, bit values are entered as shown below. Enter the data into the DATA column in hexadecimal numbers.
				b ₁	
				b ₂	
				b ₃	
				b ₄	
				b ₅	
			0	b ₆	
			0	b ₇	
	182			b ₀	b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀ SI182 SI183 0 DPC 0 DPC 0: Centralized billing Point Code 0
				b ₁	
				b ₂	
				b ₃	
				b ₄	
				b ₅	
				b ₆	
				b ₇	
	183			b ₀	b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀ SI182 SI183 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 = 0C HEX = 00 HEX Note: The DPC0 value is expressed using all 16 bits. For example, if the DPC0 value is 12, bit values are entered as shown below. Enter the data into the DATA column in hexadecimal numbers.
				b ₁	
				b ₂	
				b ₃	
				b ₄	
				b ₅	
			0	b ₆	
			0	b ₇	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	184			b ₀	b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀ SI184 SI185 0 DPC 1 DPC 1: Centralized management report Point Code 1 Note: The DPC1 value is expressed using all 16 bits. For example, if the DPC1 value is 10, bit values are entered as shown below. b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀ SI184 00001010 = 0A HEX SI185 00000000 = 00 HEX Enter the data into the DATA column in hexadecimal numbers.
				b ₁	
				b ₂	
				b ₃	
				b ₄	
				b ₅	
				b ₆	
				b ₇	
	185		b ₀		
			b ₁		
			b ₂		
			b ₃		
			b ₄		
			b ₅		
		0	b ₆		
		0	b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	186			b ₀	0/1 = Link Reconnection Not In Service/Link Reconnection In Service Note: An Interoffice transfer service is available. For example, with CCIS, a caller has called outside their own office but is actually talking with somebody in their own office. This bit is used to reconfigure links so they are not wasted in call transfer service.
				b ₁	Restriction check based on the caller's restriction class when the outgoing trunk is using the CCIS in a tandem connection. 0/1 = No Check/Check
				b ₂	0/1 = -/CCIS Loop-Back Test in progress
			0	b ₃	Not used
				b ₄	Serial Call-Loop Release 0/1 = Out of service/In service
				b ₅	Clearing of the buffer memory for use in the centralized management report (for CCIS). 0/1 = not necessary/necessary
				b ₆	CCIS or ISDN 0/1 = Out of service/In service
				b ₇	Centralized Billing Office Code is output to SMDR. 0/1 = Ineffective/Effective
	187	00			Data Bus used for CCH/DCH cards 0/1 = PM Bus/ISDN Bus

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	188				CCIS Control System Interoffice Audit Test 0/1 = Required/Not Required Note: This system data becomes valid only when activating TRK Ineffective Hold Check function of the periodic test, and releases the Ineffective Hold Trunk of self/destination node. Note: In CCIS service, IAI signal is sent out to the called side office in an outgoing connection. Note: When Point to Point connection of CCIS is configured in self node, assign this data to 1=Not Required to release the Ineffective Hold Trunk in the self node only. (The destination Trunk is determined by the Ineffective Hold Check in the destination node.)
				b ₀	
				b ₁	MJ/MN lamp on a display panel in the Main office is controlled by error information from Satellite office. 0/1 = Not Required/Required
	189		0	b ₂ -b ₇	Not used
			0	b ₀ -b ₃	Not used
				b ₄	ACM, UBM Signal No-Receiving Timer 
				b ₅	
				b ₆	
				b ₇	
					MTC: MISC TIMER COUNTER Timer Value = two seconds × MTC (The timer value is the default value 30 seconds when MTC = 0.) Note: If the IAI signal reaches the called side office, the ACM signal is received from the called side office. This timer is to be set when the arrival of the ACM signal may be delayed in a tandem connection, etc. (Standard Assignment = 50 HEX) Note: When using PS Inter-Node Roaming, set timer at 8 seconds or more.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	190			b ₀	I/O = Port designation to Host Computer b₂ b₁ b₀ 000 = Port 0 b₂ b₁ b₀ 001 = Port 1 b₂ b₁ b₀ 010 = Port 2 b₂ b₁ b₀ 011 = Port 3 b₂ b₁ b₀ 100 = Port 4 b₂ b₁ b₀ 101 = Port 5 b₂ b₁ b₀ 110 = Port 6 b₂ b₁ b₀ 111 = Port 7		ATT0 Port (for Hotel system)
				b ₁			
				b ₂			
			0	b ₃ -b ₅	Not used		
				b ₆	b₇ b₆ 00 = Port is not used. 01 = Port is used.		
				b ₇			
	191			b ₀	I/O = Port designation to Host Computer b₂ b₁ b₀ 000 = Port 0 b₂ b₁ b₀ 001 = Port 1 b₂ b₁ b₀ 010 = Port 2 b₂ b₁ b₀ 011 = Port 3 b₂ b₁ b₀ 100 = Port 4 b₂ b₁ b₀ 101 = Port 5 b₂ b₁ b₀ 110 = Port 6 b₂ b₁ b₀ 111 = Port 7		ATT1 Port (for Hotel system)
				b ₁			
				b ₂			
			0	b ₃ -b ₅	Not used		
				b ₆	b₇ b₆ 00 = Port is not used. 01 = Port is used.		
				b ₇			
	192		0	b ₀ -b ₁	Not used		
				b ₂	CCN (No.0 System) Mounting Status 0/1=Not mounted/Mounted (Always assign “1”)		
				b ₃	CCN (No.1 System) Mounting Status 0/1=Not mounted/Mounted (For Dual CPU Configuration, assign “1”)		
			0	b ₄ -b ₇	Not used		
	193	00			Not used		
	194	01	1	b ₀	For the SV9500, assign 01 HEX		
			0	b ₁ -b ₇	Not used		
	195-197	00			Not used		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	198			b ₀	IMG0 (No.0 System) Mounting Status for IMG/MMG system 0/1 = Not mounted/Mounted
					LP00 (No. 0 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
				b ₁	IMG0 (No.1 System) Mounting Status for IMG/MMG system Note 3 0/1 = Not mounted/Mounted
					LP00 (No.1 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
			0	b ₂ -b ₃	Not used
				b ₄	IMG1 (No.0 System) Mounting Status for MMG system 0/1 = Not mounted/Mounted
					LP02 (No.0 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
				b ₅	IMG1 (No.1 System) Mounting Status for MMG system Note 3 0/1 = Not mounted/Mounted
					LP02 (No.1 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
			0	b ₆ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	199			b ₀	IMG2 (No.0 System) Mounting Status for MMG system 0/1 = Not mounted/Mounted
					LP04 (No.0 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
				b ₁	IMG2 (No.1 System) Mounting Status for MMG system Note 3 0/1 = Not mounted/Mounted
					LP04 (No.1 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
			0	b ₂ -b ₃	Not used
				b ₄	IMG3 (No.0 System) Mounting Status for MMG system 0/1 = Not mounted/Mounted
					LP06 (No.0 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
				b ₅	IMG3 (No.1 System) Mounting Status for MMG system Note 3 0/1 = Not mounted/Mounted
					LP06 (No.1 System) Mounting Status for UMGi/RNIP system Note 2 0/1=Not mounted/Mounted
			0	b ₆ -b ₇	Not used
	200			b ₀	LP08 (No.0 System) Mounting Status 0/1=Not mounted/Mounted
				b ₁	LP08 (No.1 System) Mounting Status 0/1=Not mounted/Mounted
			0	b ₂ -b ₃	Not used
				b ₄	LP10 (No.0 System) Mounting Status 0/1=Not mounted/Mounted
				b ₅	LP10 (No.1 System) Mounting Status 0/1=Not mounted/Mounted
			0	b ₆ -b ₇	Not used

For UMGi/RNIP sys-
tem
Note 2

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	201			b ₀	LP12 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	For UMGi/RNIP sys- tem Note 2
				b ₁	LP12 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₂ -b ₃	Not used	
				b ₄	LP14 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	
				b ₅	LP14 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₆ -b ₇	Not used	
	202			b ₀	LP16 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	For UMGi/RNIP sys- tem Note 2
				b ₁	LP16 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₂ -b ₃	Not used	
				b ₄	LP18 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	
				b ₅	LP18 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₆ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	203			b ₀	LP20 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	For UMGi/RNIP sys- tem Note 2
				b ₁	LP20 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₂ -b ₃	Not used	
				b ₄	LP22 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	
				b ₅	LP22 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₆ -b ₇	Not used	
	204			b ₀	LP24 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	For UMGi/RNIP sys- tem Note 2
				b ₁	LP24 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₂ -b ₃	Not used	
				b ₄	LP26 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	
				b ₅	LP26 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₆ -b ₇	Not used	
	205			b ₀	LP28 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	For UMGi/RNIP sys- tem Note 2
				b ₁	LP28 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₂ -b ₃	Not used	
				b ₄	LP30 (No.0 System) Mounting Status 0/1=Not mounted/Mounted	
				b ₅	LP30 (No.1 System) Mounting Status 0/1=Not mounted/Mounted	
			0	b ₆ -b ₇	Not used	

Note 2: Note the following to assign the Local Partition (LP) number.

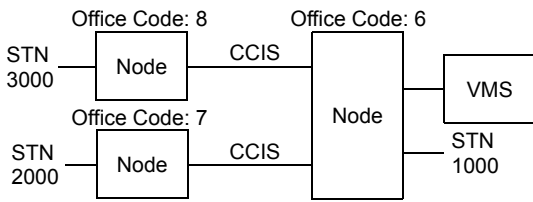
- Those values will vary depending on your system configuration.
- For the LP number, refer to “Conditions” in UMGi Configuration and Maintenance Guide.
- For the LP number, refer to “Conditions for System Configuration” in Configuration and Maintenance Guide for Remote Node over IP.

Note 3: Redundancy is only supported in the SV9500 Appliance Model. For the SV9500 Prepackaged Server Model, do not assign No.1 System.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	206	00			Not used
	207			b ₀	ACDP/IP 0/1 = Not mounted/mounted Note: If this command is modified, the system must be initialized.
				b ₁	ACDP/IP fixed to 0 Note: If this command is modified, the system must be initialized.
			0	b ₂ -b ₇	Not used
	208	00			Not used
	209	80	0	b ₀ -b ₆	Not used
			1	b ₇	If both TSWs in MG are defective, the following functions are activated: • PFT service • TSW Fault Message Output • Automatic Recover of TSW 0/1 = Not Required/Required
	210-213	00			Not used
	214		0	b ₀ -b ₄	Not used
				b ₅	Node Suppression - Centralized Billing CCIS 0/1 = Out of service/In service
			0	b ₆	Not used
			0	b ₇	
	215-219	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	220			b ₀	Protocol of ISDN Terminal (BRI station) 0: Japan (INS64) 1: U.S.A. (5ESS) 2: Australia (TPH 1962) 3: Not used 4: Not used 5: N-ISDN1 6-15: Not used	
				b ₁		
				b ₂		
				b ₃		
				b ₄	Rate Adoption (RA) for ISDN Terminal 0: RA designated by ADA2 command 1: V.110/X.30 2: Not used 3: Not used	
				b ₅		
				b ₆	ISDN service (When Index 186 b6=1) 0/1 = In service/Out of service	
			0	b ₇	ISDN Trunk Layer3 Timer 0/1 = Stop/Activate Note: Assign “0” (Only specific service needs data “1” in this bit.) Related Layer3 Timer: T303, T310, T313.	
	221-225	00			Not used	
	226			b ₀	Call Forwarding Service by Calling Number Data (AFCP command)	Separate or Common Tenant Data Table development for the respective commands 0/1 = Separate/Common Note: When data “1” is assigned, data only needs to be assigned for Tenant 1 (TN = 1) in the respective commands.
				b ₁	Automatic Number Indication Expansion Data (AANDE)	
			0	b ₂ -b ₇	Not used	
	227-228	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	229			b ₀	Disable Attendant Console Loop keys when that console is in Night Mode (Night Key engaged) 0/1 = No/Yes
			0	b ₁	Not used
				b ₂	With the key pad pressed by the Attendant while talking with the incoming call, DTMF (PB) signal is sent out to the incoming call. 0/1 = Not Required/Required
				b ₃	Day/Night Change Message Automatic Output. 0/1 = Out of service/In service
			0	b ₄ -b ₇	Not used
	230		0	b ₀ -b ₂	Not used
				b ₃	Timing for MFC Forward Signal Sending 0/1 = Backward Signal Stop/Backward Signal Receiving
			0	b ₄ -b ₆	Not used
				b ₇	Receive/Send timing for ISDN/CCIS message 0/1 = 32ms/128ms
	231	00			Not used
	232			b ₀	Call Forward All Clear 0/1 = No/Yes
				b ₁	Call Forward Busy Clear 0/1 = No/Yes
				b ₂	Call Forward No Answer Clear 0/1 = No/Yes
			0	b ₃ -b ₇	Not used
	233	00			Not used
	234			b ₀	Connection acknowledge polarity reversal signal 0/1 = Not Required/Required (Multi-Frequency)
			0	b ₁ -b ₇	Not used
	235-236	00			Not used
	237		0	b ₀ -b ₆	Not used
				b ₇	When a call terminated to vacant number by Direct Inward Dialing 0/1 = Send Busy Tone/Reorder Tone
	238	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	239		0	b ₀ -b ₃	Not used
				b ₄	Assign "1" for Remote Access to system
			0	b ₅ -b ₇	Not used
	240		0	b ₀ -b ₃	Not used
				b ₄	This bit defines the meaning of the Station Information in the office that has VMS/Host Computer within the CCIS Network. 0 = Station Information = Office Code + Station Number 1 = Station Information = Station Number Note: Station Information corresponds to Mail Box in VMS Office Code indicates the self office code assigned by ARNP. Note: When "1" is set, office code elimination in MCI output is in service (ARNP RT=0 is referred). Example:  Pattern 1 STA Mail Box Number 1000 2000 3000 In case of pattern 1, b₄ is 1 Pattern 2 STA Mail Box Number 61000 72000 83000 In case of pattern 2, b₄ is 0.
			0	b ₅ -b ₆	Not used
				b ₇	The kind of tone after dialing Remote Access number for remote access to System 0/1: Service Set Tone (SST)/Special Dial Tone (PDT)

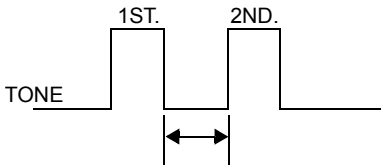
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS				
			DATA 0/1	BIT					
1	241			b ₀	Data Port Chime Control by SCF 0/1 = Controlled/Not Controlled				
				b ₁	The number of digits displayed in Name Display Service 0/1 = eight digits/16 digits				
				b ₂	OAI Call Event Process/SMFN (Call Status Monitor Facility Notification) 0/1 = No/Yes				
				b ₃	Detail Information on SCF error 0/1 = No/Yes				
				b ₄	MF ANI on SMDR. 0/1 = No/Yes				
				b ₅	Privacy Release for single line 0/1 = No/Yes				
				b ₆	When the length of Caller ID exceeds the limit: 0/1 = Only the former/latter part of data appears on the LCD				
				b ₇	SSFN Support 0/1 = Out of service/In service				
	242			b ₀	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1 – 15).		Timer for Delay Announcement – Attendant (Duration of Ring-back Tone) Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 30 seconds.		
				b ₁					
				b ₂					
				b ₃					
				b ₄	Timer Class (TC) is to be assigned one of the following values:				
				b ₅					
				b ₆				$\frac{b_6}{0} \ \frac{b_5}{0} \ \frac{b_4}{0} = -$	$\frac{b_6}{1} \ \frac{b_5}{0} \ \frac{b_4}{0} =$
								$\frac{b_6}{-} \ \frac{b_5}{-} \ \frac{b_4}{-} = -$	$\frac{b_6}{1} \ \frac{b_5}{0} \ \frac{b_4}{1} =$
					$\frac{b_6}{0} \ \frac{b_5}{1} \ \frac{b_4}{0} = -$	$\frac{b_6}{1} \ \frac{b_5}{1} \ \frac{b_4}{0} =$			
					$\frac{b_6}{-} \ \frac{b_5}{-} \ \frac{b_4}{-} = -$	$\frac{b_6}{1} \ \frac{b_5}{1} \ \frac{b_4}{1} =$			
					$\frac{b_6}{0} \ \frac{b_5}{1} \ \frac{b_4}{1} = 2 \text{ sec.}$	$\frac{b_6}{1} \ \frac{b_5}{1} \ \frac{b_4}{1} =$			
0	b ₇	Not used							

Timer for Delay
Announcement – Attendant (Duration of Ring-back Tone)

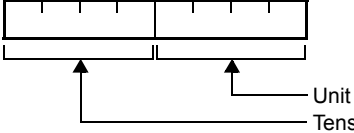
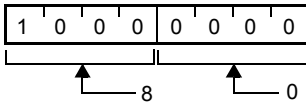
Timer Value Setting is
MTC × TC seconds.

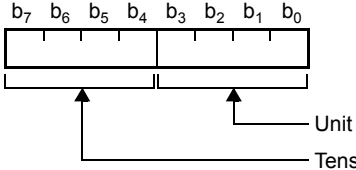
Note: When this data
is 00 HEX, default data is
automatically
set to 30 seconds.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	243			b ₀	Miscellaneous Timer Counter (MTC) is assigned a value from 1 HEX to F HEX (1~15).	• Timer for the forced release for a tandem connection in Remote Access to System. • When OG trunk cannot receive Answer Signal from the destination, Answer Signal is sent when this timer expires. Timer Value Setting is MTC x TC seconds. Note: When this data is 00 HEX, default data is automatically set to 64 seconds.	
				b ₁			
				b ₂			
				b ₃			
				b ₄	Timer Class (TC) is to be assigned one of the following values: b₆ b₅ b₄ 0 0 0 = , 1 0 0 = 30 sec 0 0 1 = , 1 0 1 = , 0 1 0 = , 1 1 0 = , 0 1 1 = 2 sec 1 1 1 = 8 sec		
				b ₅			
				b ₆			
	0	b ₇	Not used				
	244				b ₀	Answer by Radio Paging answer code. 0/1 = Out of service/In service Note: This bit is valid when SYS-1, Index 73, b4=1 (= Station number is automatically sent).	
				0	b ₁	Not used	
					b ₂	MCI-CCIS output packet change for originating party's information when the last digit is “*.” (This data is valid when the originating party is a station.) 0/1 = -/route number and trunk number are output	
				0	b ₃	Not used	
				0	b ₄	Not used	
					b ₅	Timing of providing the announcement for Delay Announcement -Attendant 0 = Immediately after the call termination 1 = After the Ringback Tone (SYS1, Index 242)	
					b ₆	Hooking operation during three-party conference call; 0 = - 1 = Hooking operation is invalid	
				0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																																	
			DATA 0/1	BIT																																																		
1	245			b ₀	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1–15). 	Timer for Delay Announcement – Attendant (Duration of Music-on-Hold) Note: When this data is 00 HEX, default data is automatically set to 30 seconds.																																																
				b ₁																																																		
				b ₂																																																		
				b ₃																																																		
				b ₄	Timer Class (TC) is to be assigned one of the following values: <table><tr><td>b₆</td><td>b₅</td><td>b₄</td><td></td><td>b₆</td><td>b₅</td><td>b₄</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>=</td><td>–</td><td>1</td><td>0</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>0</td><td>1</td><td>=</td><td>–</td><td>1</td><td>0</td><td>1</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>0</td><td>=</td><td>–</td><td>1</td><td>1</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>1</td><td>=</td><td>2 sec.</td><td>1</td><td>1</td><td>1</td><td>=</td><td>–</td></tr></table>		b ₆	b ₅	b ₄		b ₆	b ₅	b ₄		0	0	0	=	–	1	0	0	=	–	0	0	1	=	–	1	0	1	=	–	0	1	0	=	–	1	1	0	=	–	0	1	1	=	2 sec.	1	1	1	=	–
			b ₆	b ₅			b ₄		b ₆	b ₅	b ₄																																											
			0	0			0	=	–	1	0	0	=	–																																								
			0	0			1	=	–	1	0	1	=	–																																								
	0	1	0	=	–	1	1	0	=	–																																												
	0	1	1	=	2 sec.	1	1	1	=	–																																												
		b ₅																																																				
		b ₆																																																				
	0	b ₇	Not used																																																			
	246			b ₀	While engaging in a two-party call with a station/trunk, the Attendant places the call on hold by pressing either the ANSWER key or the Incoming Call Identification (ICI) key and answers the next call. 0/1 = Not Available/Available																																																	
				b ₁	While engaging in a three-way call with station/trunks, the Attendant exits from the call by pressing either ANSWER key or ICI key and answers an incoming call terminated next. 0/1 = Not Available/Available																																																	
				b ₂	Attendant Delay Announcement 0/1= Multiple Playback/Single Playback																																																	
			b ₃	MCI Expansion 0/1 = Normal/Expanded																																																		
			b ₄	Process of incoming calls (Ring Down), after they encounter their first and second receiver time-out, in a sequence of Automated Attendant 0/1 = Forced Release/Transfer to ATT																																																		
			b ₅	Expanded 911 service 0/1 = No/Yes																																																		
			b ₆	OAS Message Type																																																		
			b ₇	0/1 = Normal/IBM Call Path																																																		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																																								
			DATA 0/1	BIT																																																									
1	247			b ₀ -b ₃	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1~15)	No Answer Timer for Blind Transfer-station Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, default data is automatically set to 30 seconds. Note: The time set for a Station with ASYD/ASYDN System Data 1, Index 1396 (no answer timer for the transfer of unanswered calls in a Hunt Group) will be given priority.																																																							
				b ₄ -b ₇	Timer Class (TC) is to be assigned one of the following values: <table><tr><td>b₆</td><td>b₅</td><td>b₄</td><td></td><td>b₆</td><td>b₅</td><td>b₄</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>=</td><td>–</td><td>1</td><td>0</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>0</td><td>1</td><td>=</td><td>–</td><td>1</td><td>0</td><td>1</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>0</td><td>=</td><td>–</td><td>1</td><td>1</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>1</td><td>=</td><td>2</td><td>1</td><td>1</td><td>1</td><td>=</td><td>8</td></tr><tr><td></td><td></td><td></td><td></td><td>seconds</td><td></td><td></td><td></td><td></td><td>seconds</td></tr></table>		b ₆	b ₅	b ₄		b ₆	b ₅	b ₄		0	0	0	=	–	1	0	0	=	–	0	0	1	=	–	1	0	1	=	–	0	1	0	=	–	1	1	0	=	–	0	1	1	=	2	1	1	1	=	8					seconds		
	b ₆	b ₅	b ₄		b ₆	b ₅	b ₄																																																						
	0	0	0	=	–	1	0	0	=	–																																																			
	0	0	1	=	–	1	0	1	=	–																																																			
	0	1	0	=	–	1	1	0	=	–																																																			
	0	1	1	=	2	1	1	1	=	8																																																			
					seconds					seconds																																																			
	248			b ₀ -b ₃	Maximum Number of Digits for Call Forwarding - Toll Restriction 0: 12 digits A: 10 digits 1-8: 8 digits B: 11 digits 9: 9 digits C-F 12 digits																																																								
				b ₄	Call Forward Don't Answer After Attendant Camp-On 0/1 = No/Yes																																																								
			b ₅	Malicious Call Trace (MCT)/Malicious Call Identification (MCID) 0/1 = Out of service/In service Note: Available for Australia only.																																																									
			b ₆	SMDR output information is changed at ISDN interface node for adapting to CCIS network. 0 = Incoming RT/TRK number is output as the caller information 1 = Calling number in ISDN and CCIS network is output as the caller information																																																									
			b ₇	Tone sent out when the handset is off-hook at the station on where CF – All Calls service is set. 0/1 = Dial Tone (DT)/Special Dial Tone (SPDT)																																																									

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	249			b ₀ -b ₇	SMDR output buffer usage rate (01–99%) at the time of output of SMDR Buffer Overflow Alarm message (System Message [6-O]) b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀  Example: b₇ b₆ b₅ b₄ b₃ b₂ b₁ b₀  Indicates that the usage rate has been set to 80%. Note: When this data has been set as specified below, the alarm message output value becomes 80% and the alarm message output clear message output value becomes 50% regardless of the data. • When the data of Index 249 is smaller than or equal to the data of Index 250 • When these data values are not valid.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	250			b ₀ -b ₇	SMDR output buffer usage rate (00~98%) at the time of output of SMDR Buffer Overflow Alarm Clear message (System Message [6-P])  Note: When this data has been set as specified below, the alarm message output value becomes 80% and the alarm message clear message output value becomes 50% regardless of the data. - When the data of Index 249 is smaller than or equal to the data of Index 250. - When these data values are not valid.
	251			b ₀	Miscellaneous Timer Counter (MTC)
				b ₁	
				b ₂	
				b ₃	
				b ₄	Timer Class (TC)
				b ₅	
				b ₆	
				b ₇	Multiple Music-On-Hold by TN 0/1 = Out of service/In service
	252			b ₀ ~b ₇	First set of digits
	253			b ₀ ~b ₇	Second set of digits
	254			b ₀ ~b ₇	Third set of digits
	255			b ₀ ~b ₇	Fourth set of digits
					Value for OAI Host Computer Answer Wait Timer (TC) × (MTC) is set. When the data is 00 (HEX), the timer value becomes eight minutes. Note 1 Automated Guest Station Voice Mail Retrieval (for Hotel System)

Note 1: This data will not be valid unless it has been assigned before the system initialization.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 – 511	DATA (DATA) 00 – FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	256		0	b ₀ -b ₁	Not used
			1	b ₂	HDD Mounted = 1 (fixed)
			0	b ₃	Not used
				b ₄	IOC0 0/1 = Not Mounted/Mounted
				b ₅	IOC1 0/1 = Not Mounted/Mounted
			0	b ₆ -b ₇	Not used
	257			b ₀	DLKC circuit card for Attendant Console (ATTCON) 0/1 = Not Exist in system/Exist in system Note 1, Note 2
			0	b ₁ -b ₇	Not used
	258			b ₀	New Zealand Tone 0/1 = Out of service/In service Note 3
			0	b ₁ -b ₇	Not used
	259		0	b ₀	Not used
				b ₁	IP alarm indication 0/1 = Out of service/In service
			0	b ₂ -b ₇	Not used
	260- 287	00			Not used

Note 1: Fixed to data “0” for IMG system, whether the ATTCON is used or not.

Note 2: This data will not be valid unless it has been assigned before the system initialization.

Note 3: This data is valid when ASYD SYS1 Index 6 b3 = 1.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	288			b ₀	Output Port for SMDR A Apparatus - When b₄ = 0 (IOC Equipment 0) b₀ = Port 0 b₁ = Port 1 b₂ = Port 2 b₃ = Port 3 - When b₄ = 1 (IOC Equipment 1) b₀ = Port 4 b₁ = Port 5 b₂ = Port 6 b₃ = Port 7 “1” is to be assigned to each bit corresponding to the port number. Note 1, Note 2, Note 3	
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅	Expanded SMDR Output for SMDR A apparatus.	
			0	b ₆	Not used	
			0	b ₇		
	289			b ₀	Fault detection timer of SMDR A Value for the first digit (minutes): (0~9) HEX A~F HEX: Not used	Timer value ranges from 1 to 99 minutes. 00 HEX: Without fault detection Assign 00 HEX
				b ₁		
				b ₂		
				b ₃		
				b ₄	Fault detection timer of SMDR A Value for the second digit (minutes): (0~9) HEX A~F HEX: Not used	
				b ₅		
				b ₆		
				b ₇		
	290			b ₀	Output Port for SMDR B Apparatus - When b₄ = 0 (IOC Equipment 0) b₀ = Port 0 b₁ = Port 1 b₂ = Port 2 b₃ = Port 3 - When b₄ = 1 (IOC Equipment 1) b₀ = Port 4 b₁ = Port 5 b₂ = Port 6 b₃ = Port 7 “1” is to be assigned to each bit corresponding to the port number. Note 1, Note 2, Note 3	
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅	Expanded SMDR Output for SMDR B apparatus.	
			0	b ₆	Not used	
			0	b ₇		

Note 1: Among the SMDR equipment that has the same IOC equipment number, double assignment of the port is rejected.

Note 2: The ports designated by SYS1, Index 288, 290, 292, and 294 are limited to those designated as SMDR by AIOC.

Note 3: This data is assigned at the node where SMDR with IOC interface is connected. In case SMDR is not connected to the node, this data setting is fixed to “0”.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	291			b ₀	Fault detection timer of SMDR B Value for the first digit (minutes): (0~9) HEX A~F HEX: Not used	- Timer value ranges from 1 to 99 minutes. 00 HEX: Without fault detection Assign 00 HEX
				b ₁		
				b ₂		
				b ₃		
				b ₄	Fault Detection timer of SMDR B Value for the second digit (minutes): (0~9) HEX A~F HEX: Not used	
				b ₅		
				b ₆		
				b ₇		
	292			b ₀	Output Port for SMDR C Apparatus - When b₄ = 0 (IOC Equipment 0) b₀ = Port 0 b₁ = Port 1 b₂ = Port 2 b₃ = Port 3 - When b₄ = 1 (IOC Equipment 1) b₀ = Port 4 b₁ = Port 5 b₂ = Port 6 b₃ = Port 7 “1” is to be assigned to each bit corresponding to the port number. Note: Among the SMDR equipment that has the same IOC equipment number, double assignment of port is rejected. Note: The ports designated by SYS1, Index 288, 290, 292, and 294 are limited to those designated as SMDR by AIOC. Note: This data is assigned at the node where SMDR with IOC interface is connected. In case SMDR is not connected to the node, this data setting is fixed to “0”.	
				b ₁		
				b ₂		
				b ₃		
				b ₄		
		b ₅	Expanded SMDR Output for SMDR C apparatus.			
	0	b ₆	Not used			
	0	b ₇				
	293			b ₀	Fault detection timer of SMDR C Value for the first digit (minutes): (0~9) HEX A~F HEX: Not used	- Timer value ranges from 1 to 99 minutes. 00 HEX: Without fault detection Assign 00 HEX
				b ₁		
				b ₂		
				b ₃		
				b ₄	Fault detection timer of SMDR C Value for the second digit (minutes): (0~9) HEX A~F HEX: Not used	
			b ₅			
			b ₆			
			b ₇			

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	294			b ₀	Output Port for SMDR D Apparatus - When b₄ = 0 (IOC Equipment 0) - b₀ = Port 0 b₁ = Port 1 b₂ = Port 2 b₃ = Port 3 - When b₄ = 1 (IOC Equipment 1) - b₀ = Port 4 b₁ = Port 5 b₂ = Port 6 b₃ = Port 7 “1” is assigned to each bit corresponding to the port number. Note: Among the SMDR equipment that has the same IOC equipment number, double assignment of port is rejected. Note: The ports designated by SYS1, Index 288, 290, 292, and 294 are limited to those designated as SMDR by AIOC. Note: This data is assigned at the node where SMDR with IOC interface is connected. In case SMDR is not connected to the node, this data setting is fixed to “0”.		
				b ₁			
				b ₂			
				b ₃			
				b ₄			
					b ₅	Expanded SMDR Output for SMDR D apparatus	
			0		b ₆	Not used	
			0		b ₇		
	295			b ₀	Fault detection timer of SMDR D Value for the first digit (minutes): (0~9) HEX A~F HEX: Not used		- Timer value ranges from 1 to 99 minutes. 00 HEX: Without fault detection Assign 00 HEX
				b ₁			
				b ₂			
				b ₃			
				b ₄	Fault detection timer of SMDR D Value for the second digit (minutes): (0~9) HEX A~F HEX: Not used		
				b ₅			
				b ₆			
				b ₇			
	296			b ₀	Output of Calling Number (ANI information) 0/1 = Out of service/In service		
			0	b ₁ - b ₇	Not used		
	297-299	00				Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	300			b ₀	Type of SMDR format in the case of Centralized Billing - CCIS 0/1 = -/Billing information is sent to the Main Node in Expanded SMDR format
			0	b ₁ - b ₆	Not used
				b ₇	Output information of calling party intended the billing for when the received number exceeds 6 digits in CCIS/ISDN tandem connection (valid when ASYD SYS1, Index 174 b5=1) 0 = First 6 digits of calling party number 1 = Route Number + Trunk Number
	301-303	00			Not used
	304			b ₀	Individual Speed Calling Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₁	Call Forwarding Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₂	Remote Call Forwarding Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₃	Name Display Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₄	User Assign Soft Key Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₅	Number Sharing Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₆	Call Block Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₇	Call Block Individual Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
	Note: Only for North America.				

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	305			b ₀	Expanded Speed Calling Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1) Note: Only for North America.
				b ₁	CFL (Call Forwarding-Logout) Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₂	IP Terminal SPD (One-Touch Speed Calling) Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)
				b ₃	DM/LDM/NDM Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)
			0	b ₄	Not used
				b ₅	MA-ID Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)
				b ₆	SIP Call Forwarding/Password Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)
				b ₇	Mobility Access Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)
	306			b ₀	Local Phone book Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)
				b ₁	ACD Data Memory Saving 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)
			0	b ₂ -b ₇	Not used
	307			b ₀	Buffer memory usage rate of CS Re- port information. Usage rate (%) = 10 × Assigned value (HEX) Note: When this data is 0 HEX, usage rate is set to 50% (default). When this data is A through F HEX, usage rate is set to 100%.
				b ₁	
				b ₂	
				b ₃	
			0	b ₄ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	308		0	b_0	Not used
				b_1-b_7	CS Report Output Port Designation. “1” is to be assigned to the bit corresponding to the Port Number of the IOC circuit card. b_1 = Port 1 b_5 = Port 5 b_2 = Port 2 b_6 = Port 6 b_3 = Port 3 b_7 = Port 7 b_4 = Port 4
	309 - 320	00			Not used
	321			b_0	Inter-Module Group Key Data 0/1 = No/Yes
				b_1	Step Call While Transfer to Busy Station 0/1 = No/Yes
				b_2	Termination on My Line 0/1: Not Restricted/Restricted Note: This system data is assigned to restrict call termination on My Line of the Desktop terminal while talking on or answering/placing a call by using a Sub Line. For more details, see “Restriction of Call Termination on My Line” in Chapter 2 of Data Programming Manual - Business.
			0	b_3-b_6	Not used
				b_7	Voice Call Chime 0 = 4 chime Note 1, Note 2, Note 3 1 = 1 chime Note 1: A called party in the headset mode will hear two beeps of Voice Call Chime. Note 2: Even if this system data is assigned to 0 (4 chime), the Bluetooth Handset of the Cordless Terminal (DT330 (12BT)) plays only one beep of Voice Call Chime. Note 3: If VOICE CALL is made to a Multiple Line terminals accommodated to IPG (Digital) and UG50, the terminal will play three beeps of Voice Call Chime (two beeps when using a headset).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	322			b ₀	Timing start to dial Attendant Console-Assign digit used
				b ₁	Note: When SYS1, Index 92, b ₀ = 0 (Individual SYS2 Table Development), prepare separate SYS2 Programming Sheets for each Tenant (TN).
				b ₂	
				b ₃	
			0	b ₄	Note: Digits 0-9 are used with Index 17, b ₅
				b ₄	Not used
				b ₅	Tone sent when the handset has been lifted via the Station where CALL BLOCK service is set. 0/1 = Dial Tone/Special Dial Tone
				b ₆	Tone heard after the access code for Tone Block is dialed 0/1 = Special Dial Tone/Dial Tone
				b ₇	Call Return in case of station-to-station call. 0/1 = Out of service/In service
	323-367	00			Not used
	368		0	b ₀ , b ₁	Not used
				b ₂	Alternate routing to CCIS line when a call to ISDN Network (first line) is not available. 0/1 = restricted/allowed
			0	b ₃	Not used
				b ₄	ISDN trunk Layer 3 protocol 0/1 = ETSI/Hong Kong or UK
			0	b ₅ - b ₇	Not used
	369	00			Not used
	370			b ₀	Expanded SMFN Service 0/1 = No/Yes Note: This feature is available only in North America.
				b ₁	Delete ARNP RTO on MCI 0/1 = No/Yes Note: This feature is available in North America and Australia.
				b ₂	Non-CCIS originated RT/TK number in SMDR 0/1 = No/Yes
				b ₃	Attendant outbound loop to loop 0/1 = No/Yes
				b ₄	Release guard timer for S/L
				b ₅	MTC = 0 × 15 milliseconds
				b ₆	MTC × 64 milliseconds
				b ₇	Default 384 milliseconds

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	371	00			Not used
	372		0	b ₀ -b ₄	Not used
				b ₅	Return message for a tandem call from MG-SIP to an outside line or ACIS line. 0 = 180 Ringing (Calling Party hears RBT.) 1 = 200 OK (Calling Party hears a voice from the tandem destination.) Note: When "0 = 180 Ringing" is set, either of the following actions may be carried out according to the setting of ARTI, SD183SDP (CDN: 108). - When ARTI, SD183SDP (CDN: 108)=0, the calling party hears ringback tone. - When ARTI, SD183SDP (CDN: 108)=1, the calling party hears audible sound (available only for MG-SIP Simplified TIE Line). When "1= 200 OK" is set, the calling party hears audible sound. The calling party may continue to hear audible sound when attempting to transfer a call to an external trunk and performing the transfer switchback operation.
			0	b ₆ -b ₇	Not used
	373	00			Not used
	374			b ₀ -b ₁	ISDN Trunk Layer3 Timer Timer interval setting 00=Shorten the interval (Cycle with 1 second) 01=Stop the timer 02=Ordinary interval (Cycle with 4 seconds) 03=Ordinary interval (Cycle with 4 seconds)
			0	b ₂ -b ₇	Not used
	375			b ₀	ISDN PRI Trunk Special Audit Note: Do not change the default data 0 under any circumstances.
			0	b ₁ -b ₇	Not used
	376-383	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	384 Note 1			b ₀	Call Redirect can only be used on the My Line of a Desktop terminal (North America only) 0/1 = Out of service/In service Note: When this System Data is changed, the following operations are required. - Digital terminal: Initializing corresponding ELC card - IP terminal: Restarting Terminal
			0	b ₁ - b ₂	Not used
				b ₃	Redial Access Code When SYS1 INDEX64 b₀ is assigned as "0" (μ law) 0/1 = */# When SYS1 INDEX64 b₀ is assigned as "1" (A law) 0/1 = #/*
			0	b ₄	Not used
				b ₅	The receiving speech level changed during a call on Handset/Headset connected to a Desktop terminal is to be retained (after the call is released). Note 2, Note 3 0/1 = Out of service/In service
				b ₆	Dynamic Dial Pad-D 0/1 = OFF/ON Note: To make this setting effective, press "Feature" button + dial "8" on each Desktop terminal after the assignment of this data.
			0	b ₇	Not used

Note 1: Initialize the corresponding ELC card (MB key OFF → ON → OFF) to make this data effective.

Note 2: The receiving speech level returns to the initial value in the following conditions.

<Desktop terminals accommodated on ELC>

- System initialization

- ELC card initialization

- AKYD command assignment

- Make Busy/Make Idle operation by MBST command

- Connection/Disconnection of modular cable

- Short-circuit

<IP stations>

- System initialization

- AKYD command assignment

- Make Busy/Make Idle operation by MBST command

- Connection/Disconnection of LAN cable

- IP station Logout

- Power failure on IP station

- IP station reset because of power failure or LAN failure

Note 3: This feature is not available for DtermIP (SIP). DtermIP (SIP) always retains the changes of the receiving speech level you have made during a telephone conversation.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	385 Note 1			b ₀	The color of lamp on Answer Button when answering a call. 0/1 = Lights Green (default)/Lights Red
				b ₁	0/1 = 0dB Switching/Non-0dB Switching (For the Relative Levels setting.) Note 2, Note 3
			0	b ₂	Not used
				b ₃	Lamp state of Answer Button when a call is terminated. 0/1 = Remains OFF/Flashes
			0	b ₄ - b ₅	Not used
				b ₆	Ringer Pattern for EMEA Type system. Note 5 0/1 = Out of service/In service
			0	b ₇	Not used
	386		0	b ₀	Not used
				b ₁	Setting up the SPEED CALLING-ONE TOUCH button (phone number assignment) immediately after assigning Line/Feature key as SPEED CALLING-ONE TOUCH button by AKYD command. Note 4 0/1 = Out of service/In service
			0	b ₂ - b ₇	Not used
	387	00			Not used

Note 1: Initialize the corresponding ELC card (MB key OFF → ON → OFF) to make this data effective.

Note 2: ASYD SYS1 Index 64, b₀=1 (A-law) must be set for Non-0dB Switching.

Note 3: This data is applied to the following circuit cards.
PA-16ELCJ-B (SP-3656 16ELCJB PROG-E or later)
PA-CC118 (SW-429 PH-D PROGRAM-C or later)

Note 4: When using MA4000, set the bit to 1.

Note 5: This data is available for the EMEA Type system only. When this data is set, Ringer Patterns are provided as follows.

- Ringer Pattern 0 - Ringing for incoming trunk calls:
 - 0.25 seconds-ON, 0.25 seconds-OFF, 0.25 seconds-ON, 4.25 seconds-OFF
- Ringer Pattern 1 - Ringing for station calls:
 - 1 second-ON, 4 seconds-OFF
- Ringer Pattern 2 - Ringing for No Answer Timer for Call Hold:
 - 0.25 seconds-ON, 0.125 seconds-OFF, 0.25 seconds-ON, 0.125 seconds-OFF, 0.25 seconds-ON, 2 seconds-OFF
- Ringer Pattern 3, 4: Not used for EMEA Type system
- Ringer Pattern 5 - Ringing for Call Back, Outgoing Trunk Queuing, Call Waiting, and Automatic/Dial Intercom:
 - 0.25 seconds-ON, 0.125 seconds-OFF, 0.25 seconds-ON, 0.125 seconds-OFF, 0.25 seconds-ON, 2 seconds-OFF
- Ringer Pattern 6, 7 - Distinctive Ringing for Caller ID:
 - 1 second-ON, 2 seconds-OFF

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																
			DATA 0/1	BIT																	
1	388		0	b ₀ - b ₁	Not used																
				b ₂	Desktop Terminal Call Hold Service 0/1 = Out of service/In service																
				b ₃	Tone setting when Call Hold is completed. 0/1 = Dial Tone (DT)/ Service Set Tone (SST)																
				b ₄	The way to answer the Internal Zone Paging call; 0 = Press the Prime Line key after Off-Hook 1 = Off-Hook																
			0	b ₅ - b ₇	Not used																
	389			b ₀ - b ₄	Display Language on Desktop terminal LCD Note 1 0: English for NEC 1: Portuguese for NEC 2: Spanish for NEC 3: Canadian French for NEC 4: German 5: Italian 6: Dutch 7: Not used 8: Danish 9: Swedish 10: Greek 11: English 12: Portuguese 13: Spanish 14: French 15-31: Not used																
				b ₅	Location of Off-Hook Line Number Display - D																
				b ₆	<table><tr><td>$\frac{b_6}{0}$</td><td>$\frac{b_5}{0}$</td><td>:</td><td>Right side (standard setting)</td><td>$\frac{b_6}{1}$</td><td>$\frac{b_5}{0}$</td><td>:</td><td>Left side</td></tr><tr><td>0</td><td>1</td><td>:</td><td>Center</td><td>1</td><td>1</td><td>:</td><td>—</td></tr></table>	$\frac{b_6}{0}$	$\frac{b_5}{0}$	:	Right side (standard setting)	$\frac{b_6}{1}$	$\frac{b_5}{0}$	:	Left side	0	1	:	Center	1	1	:	—
			$\frac{b_6}{0}$	$\frac{b_5}{0}$	:	Right side (standard setting)	$\frac{b_6}{1}$	$\frac{b_5}{0}$	:	Left side											
			0	1	:	Center	1	1	:	—											
		b ₇	Off-Hook Line Number Display - D 0/1 = Out of service/In service																		

Note 1: When assigning language, data “0” must be set in Index 78, b4.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	390			b ₀	Caller ID display pattern on the LCD (Top line) 0/1 = Calling Name/Calling Number has priority.
				b ₁	Displayed information on the Top line of the LCD of the Desktop terminal 0/1 = Caller ID/Call type or sub address
				b 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.
				b ₃	Display of Soft key pressed when the station is Idle or is in Dial Tone connection. b ₄ b ₃ 0 0 : Blink 0 1 : Steady-lights 1 0 : Displays the assigned code on first column (*1) 1 1 : No Indication
				b ₄	
				b ₅	Display of Soft key to be pressed when the station is in communication. b ₆ b ₅ 0 0 : Blink 0 1 : — 1 0 : Displays the assigned code on First column (*1) 1 1 : No Indication
				b ₆	
				b ₇	Display on the bottom line of LCD when the Desktop terminal has set a line other than My Line as its Prime Line. 0/1 = Out of service/In service
			391		

Assigned Code in First Column

		Upper 4bit															
		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Lower 4bit	0		月	↖	0	@	P	`	p	Ç	É	↖	-			α	°
	1		日	!	1	A	Q	a	q	ü	Æ	。				ä	¶
	2		á	“	2	B	R	b	r	é	Æ	┐				β	θ
	3		Í	#	3	C	S	c	s	â	ô	┐				ε	∞
	4		ó	\$	4	D	T	d	t	ä	ö	,				μ	Ω
	5		ú	%	5	E	U	e	u	à	ò	•				σ	ü
	6		ñ	&	6	F	V	f	v	å	û					ρ	Σ
	7		Ñ	'	7	G	W	g	w	ç	ù					¶	π
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	D		i	-	=	M	]	m	}	ì	¥					₺	÷
	E		«	.	>	N	^	n	→	Ä	Pt					ñ	↖
	F		»	/	?	O	_	o	←	Å	f					ö	■

Note: The code assigned here covers over the First character when 6 characters are assigned for the additional soft key display data by the AFDD command. For this reason, the soft key display data should be assigned a maximum of five characters when programming in conjunction with this data.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	392-399	00			Not used
	400		0	b ₀	Not used
			0	b ₁	Not used
				b ₂	When a MFC DID Incoming Call terminates to ATT or a UCD station: 0/1 = –/ANI information is sent to MCI.
			0	b ₃	Not used
				b ₄	MFC Special Transfer Call [AESC command, STI=2] Processing of the following conditions in MFC DID incoming call: • A calling party has dialed an unallocated number. • A called station is busy, restricted from connection, or in Make Busy state. • A called station No Answer 0/1 = Out of service/In service
				b ₅	Emergency Procedure/Control 0/1 = Out of service/In service
				b ₆	When an Attendant incoming call is transferred from the node that is set in Emergency Mode: 0/1 = –/The call has priority over other Attendant Transfer calls when answering by pressing ATT ANSWER key.
				b ₇	Time of Day Restriction 0/1 = Out of service/In service

Note: MFC feature is available for Asia, Australia, Latin America, Middle East, and Russia.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	401			b ₀	Miscellaneous Timer Counter (MTC) is assigned a value from 0 HEX to F HEX (0-15).	No Answer Timer for Automatic Idle Return. Timer Value Setting is MTC × 2 seconds. Note: When MTC is 0 HEX, default data is automatically set to 0 ~ 2 seconds.	
				b ₁			
				b ₂			
				b ₃			
			0	b ₄	Not used		
				b ₅	Call Transfer ID, Call Forwarding ID 0/1 = Invalid/Valid		
				b ₆	SMDR Output Method 0/1 = Free Wheel/Output on Receipt of Send request from external equipment		
			0	b ₇	Not used		
	402			b ₀	Miscellaneous Timer Counter (MTC) is assigned a value from 1 HEX to F HEX (1-15).	Station Release Timer after receiving CLR FWD signal from the Local/Toll trunk (for Russia). Timer Value Setting is MTC × TC. Note: When this data is 00 HEX, default data is automatically set to 30 seconds.	
				b ₁			
				b ₂			
				b ₃			
				b ₄	Timer Class (TC) is to be assigned one of the following values: b₆ b₅ b₄ 0 0 0 = , 1 0 0 = 30 sec. 0 0 1 = , 1 0 1 = 5 msec. 0 1 0 = , 1 1 0 = , 0 1 1 = , 1 1 1 = ,		
				b ₅			
				b ₆			
			0	b ₇	Not used		
	403		0	b ₀ -b ₁	Not used		
				b ₂	Billing information when originating a call using MFC signaling method. 0=The billing information of received MFC GB=7 call is not output (GB=7: Called Party Idle without Charge) 1=The billing information of received MFC GB=7 call is output		
			0	b ₃ -b ₇	Not used		
	404-410	00			Not used		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	411		0	b ₀ -b ₂	Not used
				b ₃	Assign this data when using Call Forwarding - Outside service with MFC signaling. 0=MFC signaling method (G-A/G-B/G-II) are generated at the self node 1=The signal received from the originating office is passed through transparently
				b ₄	ROT timer (For China) 0/1= 30 seconds (default) / 40 seconds
			0	b ₅ -b ₇	Not used
	412-416	00			Not used
	417			b ₀	Recall Ringer Pattern for CALL BACK [C-1], CALL WAITING-ORIGINATING [C-31], and OUTGOING TRUNK QUEUING [O-2]. 0/1 = Ringer Pattern 5/Ringer Pattern 1
			0	b ₃ -b ₇	Not used
	418-419	00			Not used
	420			b ₀	Access code using the Pre-Set dialing 0/1: Out/In service (Normal Setting)
			0	b ₁ -b ₇	Not used
	421-431	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS		
			DATA 0/1	BIT			
1	432			b ₀	Digits Code 0	Pilot station number of Station Hunting-Terminating group consisting of the stations programmed to LENS level 0 of CFT circuit cards used for Add On Conference-8 Party. Note: The conditions are as follows: - For the digit "0" use the HEX value format - "A." - For the digit "*" use the HEX value format - "B." - For the digit "#" use the HEX value format - "C."	
				b ₁			
				b ₂			
				b ₃			
				b ₄	Digits Code 1		
				b ₅			
				b ₆			
				b ₇			
	433			b ₀	Digits Code 2		
				b ₁			
				b ₂			
				b ₃			
				b ₄	Digits Code 3		
				b ₅			
				b ₆			
				b ₇			
	434			b ₀	Digits Code 4		
				b ₁			
				b ₂			
				b ₃			
				b ₄	Digits Code 5		
				b ₅			
				b ₆			
				b ₇			
	435			b ₀	Serial Call-D 0/1 = Out of service/In service		
				b ₁	Processing of incoming calls after they encounter Register Prepause Timer timeout in a sequence of Serial Call-D. 0/1 = Transfer to Desktop terminal setting Serial Call/Forced Release		
				b ₂	Processing when the incoming call is transferred to Desktop terminal setting Serial Call because of Register Prepause Timer timeout: 0/1-Serial Call-D service ends/continues		
			0	b ₃	Not used		
				b ₄	System Message [26-M] Output for Toll Fraud Report 0/1 = Out of service/In service		
			0	b ₅ -b ₇	Not used		
	436-439	00			Not used		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	440			b ₀ -b ₇	TBCT Timer (Release Guard Timer when RELCOM message is not received from NI-2 after receiving TBCK ACK. The Timer starts when receiving DISC at one node) 00 : 10 seconds (default) 01 : 1 seconds 02 : 2 seconds ⋮ ⋮ 1E : 30 seconds All others : 10 seconds Note: When the data is not assigned (all bit = 0), the timer is set for 10 seconds.
	441-447	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	448			b ₀	Simplified Predictive Notice 0/1=Invalid/Valid Note: Set this data according to the application used.
				b ₁	Higher ACDP controlling capability 0/1=Invalid/Valid Note: Fixed to "1" in ACD features.
				b ₂	Forced release timer when transferring a call with Blind Transfer via CCIS. 0 = If detecting function is not provided for the incoming trunk, the line is forcibly released when the transferred station does not answer the call within a period of time (60 seconds). 1 = If incoming call terminated to any kind of trunks, the line is forcibly released when the transferred station does not answer within the predetermined timer by ASYD SYS1, Index 448 b4-b7.
				b ₃	Send out ringer to agent positions in the Do Not Disturb or Ringer mute mode when receiving a non-ACD call or ACD call (including the calls that arrives at a Multi-line)/Send out ringer to non-agent-position Desktop terminals in the Do Not Disturb or Ringer mute mode when receiving a line call. 0/1=Not Required/Required Note: This feature is not available in North America. Note: Do Not Disturb service uses FKY=50 of the AKYD command or RCF (FN=3) to avoid accepting non-ACD calls to an agent position. This service is different from Work Mode - ACD [W-5A] that denies ACD calls. FKY=50 is not to be set by the standard key setting of the agent position. Note: Ringer Mute service uses FKY=117 of the AKYD command. FKY=117 is not to be set by the standard key setting of the agent position.
				b ₄ -b ₇	Release Timer for Blind Transfer via Tie Line trunk Timer value = Setting data × 8 seconds Note: When this data is assigned to 0, default data is automatically set to 64 seconds. Note: This data is valid when ASYD SYS1 Index 448 b2=1.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	449			b_0	SFC call origination from the first party notification 0/1=Ineffective/Effective Note: When the call is originated automatically from the Non-ACD line on the agent position used with the OAI application system, be sure to set to "1".
			0	b_1	Not used
				b_2	Access to Announcement trunk is controlled: 0=by the timer 1=by the DAT Note: When any of the following services are used, incoming trunks and announcement trunks must be in the same node: • ACD Trunk for FCCS • AGENT ANYWHERE - ACD [A-133A] • CCIS over IP (PHC) Note: To enable DAT control, assign "1" to b_2 for every node in the network. In this case, set up the data so that all incoming calls are connected to the announcement trunk within the same node by using the AADT/AADTL command instead of the AADTN command.
				b_3	Output pattern of INS information by SMFN 0/1=HEX/ASCII
			0	b_4-b_7	Not used
	450	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	451			b ₀	OAI Call Origination to MFC Trunk by SCF FN=1 0/1 = Out of service/In service Note: This parameter is valid for the following types of MFC signaling systems: - Argentina type - Mexico type - Brazil type (digital/analog)	
			0	b ₁	Not used	
				b ₂	OAI Call Origination to MFC Trunk by SCF FN=3 0/1 = Out of service/In service Note: This parameter is valid for the following types of MFC signaling systems: - Argentina type - Mexico type - Brazil type (digital/analog)	
			0	b ₃ -b ₇	Not used	
	452-463	00			Not used	
	464			b ₀	T302 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 15 seconds.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			0	b ₆	Not used	
			0	b ₇		
	465			b ₀	T303 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 4 seconds.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			0	b ₆	Not used	
			0	b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	466			b ₀	T304 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 30 seconds.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			0	b ₆	Not used	
			0	b ₇		
	467			b ₀	T305 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 30 seconds.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			0	b ₆	Not used	
			0	b ₇		
	468			b ₀	T308 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 4 seconds.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			0	b ₆	Not used	
			0	b ₇		
	469			b ₀	T310 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 60 seconds.
				b ₁		
				b ₂		
				b ₃		
				b ₄		
				b ₅		
			0	b ₆	Not used	
			0	b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																								
			DATA 0/1	BIT																																									
1	470			b ₀	T316 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 60 seconds.																																							
				b ₁																																									
				b ₂																																									
				b ₃																																									
				b ₄																																									
				b ₅																																									
			0	b ₆	Not used																																								
			0	b ₇	Not used																																								
	471			b ₀	T322 (ETSI ISDN Timer Value) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to 3F HEX (1-63 seconds).	Timer Value Setting is MTC × 1 seconds. Note: When this data is 00 HEX, default data is automatically set to 4 seconds.																																							
				b ₁																																									
				b ₂																																									
				b ₃																																									
				b ₄																																									
				b ₅																																									
			0	b ₆	Not used																																								
			0	b ₇	Not used																																								
	472-473	00			Not used																																								
	474			b ₀	Guard Timer for Originating Call	Timer Value Setting is MTC × TC. Note: When this data is 00 HEX, default data is automatically set to 256 milliseconds for MG-PRI and 3072 milliseconds for MG(COT) respectively.																																							
				b ₁	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15).																																								
				b ₂																																									
				b ₃																																									
				b ₄	Timer Class (TC) is to be assigned one of the following values:																																								
				b ₅	<table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= --</td><td>1</td><td>0</td><td>0</td><td>= --</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= 64 msec.</td><td>1</td><td>0</td><td>1</td><td>= --</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= --</td><td>1</td><td>1</td><td>0</td><td>= --</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= --</td><td>1</td><td>1</td><td>1</td><td>= --</td></tr></table>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>	0	0	0	= --	1	0	0	= --	0	0	1	= 64 msec.	1	0	1	= --	0	1	0	= --	1	1	0	= --	0	1	1	= --	1	1	1	= --
			<u>b₆</u>	<u>b₅</u>	<u>b₄</u>			<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																			
			0	0	0		= --	1	0	0	= --																																		
	0	0	1	= 64 msec.	1	0	1	= --																																					
0	1	0	= --	1	1	0	= --																																						
0	1	1	= --	1	1	1	= --																																						
0	b ₇	Not used																																											
475-485	00			Not used																																									

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 511	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	486				Maximum number of transfer for Multiple Call Forwarding - CCIS occurrences $\begin{array}{ccc} \underline{b_2} & \underline{b_1} & \underline{b_0} \end{array} \qquad \qquad \qquad \begin{array}{ccc} \underline{b_2} & \underline{b_1} & \underline{b_0} \end{array}$ $\begin{array}{lll} 0 & 0 & 0 = \text{This service is invalid} \end{array} \qquad \begin{array}{lll} 1 & 0 & 0 = \text{four times} \end{array}$ $\begin{array}{lll} 0 & 0 & 1 = \text{once} \end{array} \qquad \begin{array}{lll} 1 & 0 & 1 = \text{five times} \end{array}$ $\begin{array}{lll} 0 & 1 & 0 = \text{twice} \end{array} \qquad \begin{array}{lll} 1 & 1 & 0 = \text{six times} \end{array}$ $\begin{array}{lll} 0 & 1 & 1 = \text{three times} \end{array} \qquad \begin{array}{lll} 1 & 1 & 1 = \text{seven times} \end{array}$ Note: Valid when the node is Call Forwarding-CCIS start node. The number of call forwarding within a node is not counted.
			0	$b_3 - b_7$	Not used
	487-506	00			Not used
	507		0	$b_0 - b_2$	Not used
				b_3	One-Touch Speed Calling data backup for IP terminal by BOSD command 0/1=Disabled/Enabled
			0	$b_4 - b_7$	Not used
	508		0	$b_0 - b_5$	Not used
				b_6	If the Disconnect key is pressed on ATTCN when incoming trunk is CCIS, the RSC of calling party is to be 0/1=Cleared/Not cleared
			0	b_7	Not used
	509-511	00			Not used

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																			
				DATA 0/1	BIT																																				
2		0			b ₀	Restriction Data of Station Busy Services can be designat- ed as in the table below: <table><tr><th>b₁</th><th>b₀</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>	b ₁	b 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
				b ₁	b 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																															
					b ₁	R: Restricted A: Allowed																																			
				0	b ₂		Not used																																		
					b ₃		Attendant Override service 0/1 = Out of service/In service																																		
					b ₄		Busy Verification for Attendant Console service 0/1 = Out of service/In service																																		
0	b ₅ -b ₇	Not used																																							

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		1			b ₀	Call Transfer service
						b ₁ b ₀
					b ₁	0 0 = Out of service
						0 1 = In service - except Tandem Connection
						1 0 = In service - only Terminating calls
						1 1 = In service
				0	b ₂	Not used
					b ₃	Toll Restriction for Speed Calling Station/Group services 0/1 = Required/Not Required
		2			b ₄	Toll Restriction (disposition of Restricted Call)
						b ₅ b ₄
					b ₅	0 0 = Toll Denial (Reorder Tone connection)
						0 1 = Toll Diversion (Terminated to Attendant Console)
						1 0 = –
						1 1 = –
					b ₆	Speed Calling Override Service via (AABD) 0/1 = Out of service/In service
					b ₇	Speed Calling Override Service (System basis) 0/1 = Follow RSC of Phone/Allowed
		2			b ₀	Sender Signal to DP/PB Route (Station) Note 1 0/1 = DP/PB
					b ₁	Sender Signal to DP/PB Route (Attendant Console) Note 1 0/1 = DP/PB
					b ₂	Attendant Console Day/Night Mode Change
						b ₃ b ₂
					b ₃	0 0 = Not Required (External Switch effective)
						0 1 = Master Attendant Console
						1 0 = All Attendant Consoles
						1 1 = –
				0	b ₄	Not used
					b ₅	Attendant Loop Release service 0/1 = Out of service/In service
				0	b ₆	Not used
					b ₇	Kind of DP sender (when b ₀ = 0) Note 1 0/1 = 10 PPS/20 PPS

Note 1: b₀, b₁, and b₇ designate the type of sender signal for outgoing calls placed over routes programmed as DP/PB via parameter ONSG (CDN: 2) of command ARTD (Route Class Data).

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		3			b ₀	SMDR service 0/1 = Out of service/In service
				0	b ₁ -b ₃	Not used
					b ₄	Account Code when Authorization Code is in service 0/1 = Not required/Required
					b ₅	Code type 0/1 = Authorization Code/Forced Account Code
				0	b ₆	Not used
					b ₇	Output of SMDR Station-to-Station Connection Data 0/1 = Not required/Required
		4			b ₀	Call Back and OG Trunk Queuing Access Code Note 1 0/1 = Separate/Common
					b ₁	Automatic setting of OG Trunk Queuing service Note 1 When receiving Busy Tone, OG Trunk Queuing is set automatically by going on-hook. 0/1 = Not required/Required
					b ₂	Off-Hook Queuing service for Attendant Console 0/1 = Out of service/In service
				0	b ₃ -b ₇	Not used
		5		0	b ₀	Not used
				0	b ₁	
					b ₂	When the destination station is busy, Call Back is automatically set after the operating station is released from the connection in Call Transfer - All Calls procedure. 0 = Recall to the mediate station 1 = Camp-on service is set
				0	b ₃ - b ₇	Not used

Note 1: When data "1" is assigned, either SID=3 or 19 may be assigned via command ASPA.

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 -15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		6			b ₀	Message Center Interface service when terminating to a UCD Group 0/1 = Out of service/In service
				0	b ₁	Not used
					b ₂	Step Call-CCIS Restriction 0/1 = Out of service/In service
				0	b ₃	Not used
					b ₄	Call Origination Restriction of Station upon Setting CF-All Calls 0/1 = Required/Not required
					b ₅	Inter-Position Transfer service 0/1 = Out of service/In service
					b ₆	Collect Call service to Attendant Console 0/1 = Allowed/Restricted Note: Available for Asia, Australia, Latin America, Middle East, and Russia.
					b ₇	CF-Don't Answer service when Attendant Console transfers call before called station answers 0/1 = Out of service (Recall to Attendant Console)/In service

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		7			b ₀	Busy Lamp Field-Flexible (BLF display) service 0/1 = Out of service/In service
					b ₁	Message Center Interface service when terminating Attendant Console 0/1 = Out of service/In service
					b ₂	Serial Call service 0/1 = Out of service/In service
					b ₃	Supervisory Call service 0/1 = Out of service/In service
					b ₄	First Digit of Phantom station number for Privacy Expansion
					b ₅	
					b ₆	
					b ₇	

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA (INDEX) INDEX 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
				DATA 0/1	BIT		
2		8			b ₀	Listed Directory Number (LDN) 0/1 = Exclude/Include	Waiting Call Display (Attendant Console) 0/1 = Exclude/Include
					b ₁	Operator Call (ATND) 0/1 = Exclude/Include	
					b ₂	Attendant Recall (RECALL) 0/1 = Exclude/Include	
					b ₃	FX Line (FX) 0/1 = Exclude/Include	
					b ₄	WATS Line (WATS) 0/1 = Exclude/Include	
					b ₅	CCSA Line (CCSA) 0/1 = Exclude/Include	
					b ₆	TIE Line (TIE) 0/1 = Exclude/Include	
					b ₇	Call Forwarding-Busy Line (BUSY) 0/1 = Exclude/Include	
		9			b ₀	Call Forwarding – Don't Answer (NANS) 0/1 = Exclude/Include	Note: When an Attendant Console is shared by multiple tenants, Waiting calls are displayed according to the SYS2 data (Indexes 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 SYS2 data (Index 8, 9) must be assigned to all the nodes.
					b ₁	Call Forwarding-Intercept (ICPT) 0/1 = Exclude/Include	
					b ₂	Interposition Transfer (TF) 0/1 = Exclude/Include	
					b ₃	Supervisory Call (SP) 0/1 = Exclude/Include	
					b ₄	Do Not Disturb (DND) 0/1 = Exclude/Include	
					b ₅	Guest Call (GST) 0/1 = Exclude/Include	
					b ₆	Emergency Call (EMG) 0/1 = Exclude/Include	
					b ₇	Overtime Call (OT) 0/1 = Exclude/Include	

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		10		0	b ₀ -b ₃	Not used
					b ₄	Procedure for activating Call Waiting – Originating 0 = After hearing Busy Tone (SHF + ACC Code) only. 1 = After hearing Busy Tone (SHF + ACC Code) and going Off-Hook (ACC Code + Station Number.) When activating this feature via dialing ACC Code + Sta- tion Number, assign the access code of Call Waiting - Orig- inating by ASPA, CI="N: Normal".
				0	b ₅	Not used
					b ₆	Call Waiting-Terminating service (Automatic setting of Call Waiting) 0/1 = Out of service/In service
					b ₇	Call Waiting Tone 0/1 = Once/At Intervals Note: When "1" is assigned, the interval of this tone is as- signed in SYS1, Index 152.

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		11		0	b ₀ -b ₃	Not used
				0	b ₄	Method of Day/Night mode change
				0	b ₅	b ₅ b ₄ 0 0 = Via ATT Mode change 0 1 = – 1 0 = Via External Switch 1 1 = – (Usually assign “00”)
						Trunk Answer from Any Station (TAS) 0/1 = Out of service/In service
						Disposition of DIT Call when the Station is Busy 0/1 = To Attendant Console/Waiting
					b ₇	Note: In Direct-In Termination – CCIS service, the disposition of DIT call is not when the terminated station is busy, but when the connected CCIS trunk is busy. When tandem connection is established and the CCIS trunk is in idle state, the call is not terminated to Attendant Console even if the destination station is busy. In this case, the call will wait until the target station becomes idle. (The C.O. line call terminated via ISDN Network is released.)

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		12			b ₀	Automatic Recall Ringer (Desktop terminal)-Non-Exclusive Hold 0/1 = Required/Not required
					b ₁	Automatic Recall Ringer (Desktop terminal)-Exclusive Hold 0/1 = Required/Not required
				0	b ₂ -b ₇	Not used
		13			b ₀	Sending SHF Signal from CAS Attendant Console to Satellite office 0/1 = SHF key/SHF key, First key PAD, or START key
					b ₁	ATT Status check when Day/Night Mode is changed via External Switch. 0/1 = Required/Not required Note: When Day/Night Mode is changed via CAS-Satellite, assign data "1".
				0	b ₂ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	TENANT NUMBER (TN) 1 - 63	SYSTEM DATA INDEX (INDEX) 0 - 15	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
				DATA 0/1	BIT	
2		15			b ₀	Overlapping Service 0/1 = Out of service/In service
					b ₁	Attendant Overflow Service (North America)/Automatic Change of Night Service (Asia, Australia, Latin America, Middle East, and Russia) 0/1 = Out of service/In service
					b ₂	Kind of ANI Data when the calling party is a station: 0=LDN Number assigned by AANI command 1=Calling party's station number When the calling party is an Attendant or tandem connection, LDN Number assigned by AANI command is sent irrespective of this data.
					b ₃	Destination restriction for an outgoing trunk call originated by Passing Dial Tone service 0/1 = Effective/Ineffective
					b ₄	The office that determines the transfer destination number in Call Forwarding Assignment-Attendant Service. 0/1 = Office that sets this service/Office where the transferring station is located. Note 2
				0	b ₅	Not used
					b ₆	Reverted Call Metering Service 00 = Out of service 01 = In service
					b ₇	

Note 2: When the numbering plans within the CCIS Network are unified, assign "0" to this data; otherwise assign "1."

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	0			b ₀ -b ₃	Ringing Period: Specify the duration of a ringing period (ON-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	Duration of the Ring Cycle (Timer Value for Ringer) for Incoming Trunk Calls (Ringer Pattern 0). The Ring Cycle consists of a ringing period and a silent period (Note 3). Note: Normally, this Index should be 21 HEX (one second ON, two seconds OFF). If you enter 00 HEX, 21 HEX is used. To customize the ringer pattern setting, you need to choose one non-zero hex digit for each place value (upper nibble of b ₇ to b ₄ and lower nibble of b ₃ to b ₀). Note: Changes made will be effective after the initialization of the card.
				b ₄ -b ₇	Silent Period: Specify the duration of a silent period (OFF-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	1			b ₀ -b ₃	Ringing Period: Specify the duration of a ringing period (ON-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	Duration of the Ring Cycle (Timer Value for Ringer) for Station Calls (Ringer Pattern 1). The Ring Cycle consists of a ringing period and a silent period (Note 3). Note: Normally, this Index should be 42 HEX (two seconds ON, four seconds OFF). If you enter 00 HEX, 42 HEX is used. To customize the ringer pattern setting, you need to choose one non-zero hex digit for each place value (upper nibble of b ₇ to b ₄ and lower nibble of b ₃ to b ₀). Note: Changes made will be effective after the initialization of the card.
				b ₄ -b ₇	Silent Period: Specify the duration of a silent period (OFF-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	

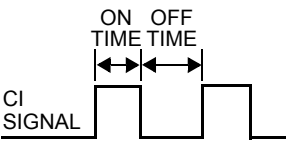
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	2			b ₀ -b ₃	Station Release Timer (ST): The minimum time required for an on-hook operation to be acknowledged as the station release in the case where Hooking is not enabled. For North America, the release time is T x 120 milliseconds. For Asia, Australia, Latin America, Middle East and Russia, the release time is 128 + (64 x 2 x T). T: value from 1 HEX to F HEX (1-15) Note: The maximum allowable ST value for UG50 is 1375 milliseconds.	Station Release Timer: Defines the minimum time interval for an on-hook operation on an analog telephone to be determined as the release of the call (Note 4). Note: For North America default data is 91 HEX (ST = 120 milliseconds, LT = 1080 milliseconds). When this data is 00 HEX or is left unassigned, the system is set to the default values. Note: For Asia, Australia, Latin America, Middle East and Russia when data is 00 HEX or is left unassigned the system is set to ST=256 milliseconds and LT=1082 milliseconds. Note: To customize the timer, you need to choose one non-zero hex digit for each place value (upper nibble of b₇ to b₄ and lower nibble of b₃ to b₀). Note: Changes made will be effective after the initialization of the card.
				b ₄ -b ₇	Station Release Timer (LT): The minimum time required for an on-hook operation to be acknowledged as the station release in the case where Hooking is enabled. For North America, the release time is T x 120 milliseconds. For Asia, Australia, Latin America, Middle East and Russia, the release time is 64 + (64 x 2 x T). T: value from 1 HEX to F HEX (1-15) Note: The maximum allowable LT value for UG50 is 1275 milliseconds.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	3			b_0	Two Ringings (0.4 seconds–ON, 0.2 seconds–OFF, 0.4 seconds–ON) per Ringing Period for Ringer Pattern 0 0/1 = Disabled/Enabled	Multiple Ringings per Ringing Period (Note 3, Note 4) Note: Normally, this Index should be 80 HEX: Disabled (A single ringing sound per Ringing Period). If you enter 00 HEX, 01 HEX is used. To customize this function, you need to set at least one of the three bits (b_0 , b_1 , or b_5) to 1. Note: Changes made will be effective after the initialization of the card.
				b_1	Three Ringings (0.4 seconds–ON, 0.2 seconds–OFF, 0.8 seconds–ON, 0.2 seconds–OFF, 0.4 seconds–ON) per Ringing Period for Ringer Pattern 1 0/1 = Disabled/Enabled	
			0	b_2 – b_4	Not used	
				b_5	Three Ringings (0.4 seconds–ON, 0.2 seconds–OFF, 0.8 seconds–ON, 0.2 seconds–OFF, 0.4 seconds–ON) per Ringing Period for Ringer Pattern 5 0/1 = Disabled/Enabled	
			0	b_6	Not used	
			0	b_7	Allow b_0 to be reset to “0” 0/1 = No/Yes	
	4-6	00			Not used	

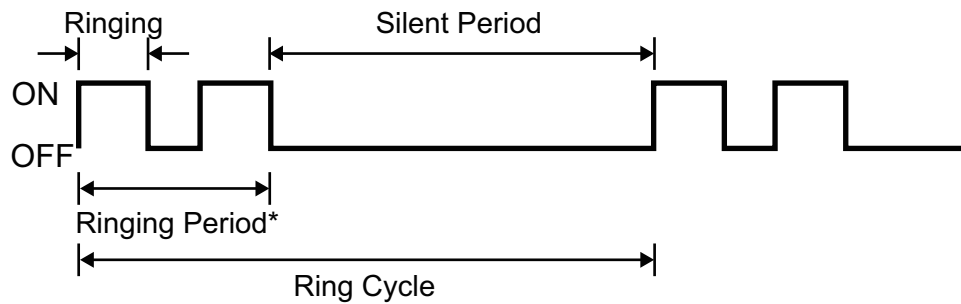
SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	7			b_0-b_3	Ringing Period: Specify the duration of a ringing period (ON-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	Duration of the Ring Cycle (Timer Value for Ringer) for Call Back, OG Trunk Queuing, Priority Ringing in Call Waiting, Auto/Manual Intercom, and Dial Intercom (Ringer Pattern 5). The Ring Cycle consists of a ringing period and a silent period (Note 3). Note: Normally, this Index should be 42 HEX (two seconds ON, four seconds OFF). If you enter 00 HEX, 42 HEX is used. To customize the ringer pattern setting, you need to choose one non-zero hex digit for each place value (upper nibble of b_7 to b_4 and lower nibble of b_3 to b_0). Note: Changes made will be effective after the initialization of the card.
				b_4-b_7	Silent Period: Specify the duration of a silent period (OFF-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	8			b ₀ -b ₃	Ringing Period: Specify the duration of a ringing period (ON-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	Duration of the Ring Cycle (Timer Value for Ringer) for Ringer Pattern 6. The Ring Cycle consists of a ringing period and a silent period (Note 3). Note: Normally, this Index should be 21 HEX (ELC: one second ON, two seconds OFF). If you enter 00 HEX, 21 HEX is used. To customize the ringer pattern setting, you need to choose one non-zero hex digit for each place value (upper nibble of b ₇ to b ₄ and lower nibble of b ₃ to b ₀). Note: Changes made will be effective after the initialization of the card.
				b ₄ -b ₇	Silent Period: Specify the duration of a silent period (OFF-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	9			b ₀ -b ₃	Ring Period: Specify the duration of a ringing period (ON-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	Duration of the Ring Cycle (Timer Value for Ringer) for Ringer Pattern 7. The Ring Cycle consists of a ringing period and a silent period (Note 3). Note: Normally, this Index should be 11 HEX (one second ON, one second OFF). If you enter 00 HEX, 11 HEX is used. To customize the ringer pattern setting, you need to choose one non-zero hex digit for each place value (upper nibble of b7 to b4 and lower nibble of b3 to b0). Note: Changes made will be effective after the initialization of the card.
				b ₄ -b ₇	Silent Period: Specify the duration of a silent period (OFF-time period). The range of value is from 1 HEX to F HEX (1 to 15), in seconds.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 31	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
3	10			b_0	Reception Sensitivity Level of the MFC Register 0: -28 dBm 5: -33 dBm 9: -37 dBm D: -41 dBm 1: -29 dBm 6: -34 dBm A: -38 dBm E: -42 dBm 2: -30 dBm 7: -35 dBm B: -39 dBm F: -43 dBm 3: -31 dBm 8: -36 dBm C: -40 dBm 4: -32 dBm	
				b_1		
				b_2		
				b_3		
			0	b_4-b_6	Not used	
	11			b_7	Reception Sensitivity Level of the MFC Register 0/1 = -38 dBm/Assigned in b_0-b_3	
				b_0	PBST: PB Signal (DTMF) timer for Desktop terminal and Desk Console. This data is to be assigned from 0 HEX to F HEX (0~15). Timer Value setting is $(PBST + 1) \times 128$ milliseconds	
				b_1		
				b_2		
				b_3		
			0	b_4-b_7	Not used	
	12			b_0-b_3	ON Time is assigned a value from 1 HEX to F HEX (1~15). (Unit of Time is Seconds.)	Timer Value for Data Communication RS-232C Call Indicator (CI); same as Ring Indicator (RI) Signal  Note: When this data is 00 HEX, Default data is automatically set to two seconds-ON, four seconds-OFF
				b_4-b_7	OFF Time is to be assigned a value from 1 HEX to F HEX (1-15). (Unit of Time is Seconds.)	
	13				Speech level on sending side Desktop terminal	See the information on the next pages.
	14				Speech level on receiving side Desktop terminal	

Note 3: Following is the definition of terms used here:



*Ringing Period consists of a single ringing or group of ringings.

Note 4: When the time interval between on-hook and off-hook is less than the time defined by the parameters (ST/LT for the hooking function disabled/enabled state, respectively), the hooking action is ignored and the current state is retained; otherwise, the hooking action is determined as disconnect.

Example: Case where an analog station user in a two-way call with the Attendant Console goes switch hook flash

Since the hooking function is not available in this type of call, the call will be disconnected if the ST value is set to the factory default (120 ms). However, setting ST to a larger value can avoid unintentional call release caused by a hooking action. This allows analog telephone users, just the same as Desktop terminal users, to reduce the possibility of accidental disconnect due to inadvertent activation of the on-hook switch.

ASYD SYS 3 Index 13: Sending Loudness Rating (Note 1) (Note 2)

ASYD SYS 3 INDEX 13 (00 - 1F Hex)	IP Station SLR (dB)	Digital Terminal SLR (dB)
00 (default)	10.5 dB	7.5 dB
01	-3.5 dB	-2.5 dB
02	-1.5 dB	-0.5 dB
03	0.5 dB	1.5 dB
04		
05		
06		
07		
08		
09		
0A	2.5 dB	3.5 dB
0B	4.5 dB	5.5 dB
0C	6.5 dB	7.5 dB
0D	8.5 dB	9.5 dB
0E		
0F		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
1A	10.5 dB	11.5 dB
1B	12.5 dB	13.5 dB
1C	14.5 dB	15.5 dB
1D	16.5 dB	17.5 dB
1E	18.5 dB	19.5 dB
1F	20.5 dB	21.5 dB

Note 1: Smaller Sending Loudness Rating (SLR) value results in louder sending speech level.

Note 2: After changing the data, reset the ELC card for Digital terminal or perform re-registration of IP stations.

ASYD SYS 3 Index 14: Receiving Loudness Rating (**Note 1**) (**Note 2**)

ASYD SYS 3 INDEX 14 (00 - 1F Hex)	IP Station RLR (dB)			Digital Terminal RLR (dB)		
	μ -law	A-law (Note 3)		μ -law	A-law (Note 3)	
		0 dB Switching	Non 0 dB Switching		0 dB Switching	Non 0 dB Switching
00 (default)	-6 dB	-6 dB	4 dB	-4.5 dB		3.5 dB
01	-18 dB			-18.5 dB		
02						
03	-16 dB			-16.5 dB		
04	-14 dB			-14.5 dB		
05	-12 dB			-12.5 dB		
06	-10 dB			-10.5 dB		
07	-8 dB			-8.5 dB		
08						
09						
0A						
0B	-6 dB			-6.5 dB		
0C	-4 dB			-4.5 dB		
0D	-2 dB			-2.5 dB		
0E	0 dB			-0.5 dB		
0F	2 dB			1.5 dB		
10	4 dB			3.5 dB		
11	6 dB			5.5 dB		
12						
13						
14						
15						
16						
17						
18						
19						
1A						
1B						
1C						
1D						
1E						
1F						

Note 1: Smaller Receiving Loudness Rating (RLR) value results in louder receiving speech level.

Note 2: After changing the data, reset the ELC card for Digital terminal or perform re-registration of IP stations.

Note 3: ASYD SYS 1 Index 64 bit 0 = 0/1: μ -law/A-law, ASYD SYS 1 Index 385 bit 1 = 0/1: 0 dB Switching/Non-0dB Switching.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0-31	DATA (DATA) 00-FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA	BIT	
3	15			b ₀ -b ₂	Designation of the initial mode of the card reader 000: PB Sender 100 001: LP Command 1 010: – 111 } : Not used 011: Data channel
			0	b ₃ - b ₇	Not used
	16	00			Not used
	17	00			Not used
	18	00			Not used
	19	00			Not used
	20	00			Not used
	21	00			Not used
	22	00			Not used
	23	00			Not used
	24	00			Not used
	25	00			Not used
	26	00			Not used
	27	00			Not used
	28	00			Not used
	29	00			Not used
	30	00			Not used
	31	00			Not used

ASYDL: Assignment of System Data for LDM

1. General

The ASYDL command assigns the system data for the Local Data Memory (LDM). The capacity of LDM data and the FPC of the self-node within FCCS Network, can be assigned by this command.

2. Precautions

1. The data assigned by this command is valid in each Local Node (LN).
2. The ASYDL command contains the following indexes:

SYS1, Index 512-1535
SYS2, Index 16-79 (Not used at present)
3. Be careful not to mistakenly set unused data bits to ON in order to prevent unexpected results.

3. Data Entry Instructions

SYS: System Data Type [1/2]

TN: Tenant Number [1-63] (Not used)

Input the tenant number when the system data type is “2”.

INDEX: System Data Index [512-1535/16-79]

The index number range is different for “SYS” parameter as follows:

Case of SYS=1: Index=512-1535
Case of SYS=2: Index=16-79 (Not used)

Kind of Input

HEX : Input the data in hexadecimal
BIT : Input the data in binary

[List of System Data]

Read Data : The read data is displayed in hexadecimal.
HEX (00-FF) : The field is available only when “Kind of Input = HEX”.
B7-B0 (0/1) : These fields are available only when “Kind of Input = BIT”.
Each bit can be on or off.
DEC (0-255) : The input value is converted to decimal.

The Next Data Get Automatically After Writing [ON/OFF]

When this check box is marked, clicking the SET button takes you to the next INDEX page.

4. QUICK REFERENCE TABLE FOR ASYDL (SYS1, Index 512-1535)

SYS1	INDEX 560s.	INDEX 610s.	INDEX 650s.	INDEX 690s.
INDEX 510s.	560	610	650	690
512	561	611	651	691
513	562	612	652	692-699
514	563	613	653	INDEX 700s.
515	564	614	654	700
516	565	615	655	701
517	566	616	656	702
518	567	617	657-659	703
519	568	618	INDEX 660s.	704
INDEX 520s.	569	619	660	705
520	INDEX 570s.	INDEX 620s.	661	706
521	570	620	662	707
522	571	621	663	708
523	572-573	622	664	709
524	574	623	665	INDEX 710s.
525	575	624	666	710
526	576	625	667	711
527	577	626	668	712
528	578	627	669	713
529	579	628	INDEX 670s.	714
INDEX 530s.	INDEX 580s.	INDEX 630s.	670	715
530	580	630	671	716
531	581	631	672	717
532	582	632	673	718
533	583	633	674	719
534	584	634	675	INDEX 720s.
535-539	585	635	676	720
INDEX 540s.	586	636	677	721
540-549	587	637	678	722
INDEX 550s.	588	638	679	723
550-551	589	639	INDEX 680s.	724
552	INDEX 590s.	INDEX 640s.	680	725
553-555	590-597	640	681	726
556	598	641	682	727
557	599	642	683	728
558	INDEX 600s.	643	684	729
559	600-607	644	685	
	608-609	645	686	
		646	687	
		647	688	
		648	689	
		649		

INDEX 730s.	INDEX 840s.	INDEX 880s.	INDEX 970s.	INDEX 1030s.
730	840-842	880	970-973	1030
731	843	881-883	974	1031
732	844	884	975	1032
733	845	885	976	1033
734	846	886-889	977	1034
735	847	INDEX 890s.	978	1035-1039
736-739	848		979	INDEX 1040s.-
INDEX 740s.-	849	890-891	INDEX 980s.	1060s.
790s.	INDEX 850s.	892		
740-799	850	893-894	980	1040-1069
INDEX 800s.	851	895	981	INDEX 1070s.
800	852	896	982	
801	853	897	983	1070-1077
802	854	898-899	984	1078
803	855	INDEX 900s.	985	1079
804	856		986	INDEX 1080s.
805	857	900-909	987	
806	858	INDEX 910s.	988	1080-1082
807	859		989	1083
808	INDEX 860s.	910-915	INDEX 990s.	1084-1087
809	860	916	990	1088
INDEX 810s.	861	917-919	991	1089
810	862	INDEX 920s.-	992-995	INDEX 1090s.-
811	863	940s.	996	1110s.
812	864	920-926	997	
813	865	927	998	1090-1119
814	866	928-949	999	INDEX 1120s.
815-817	867	INDEX 950s.	INDEX 1000s.-	
818	868		1010s.	1120
819	869	950-951	1000	1121
INDEX 820s.	INDEX 870s.	952	1001-1016	1122-1124
820-823	870	953	1017	1125
824	871	954	1018-1019	1126-1129
825	872	955	INDEX 1020s.	INDEX 1130s.
826-829	873	956		
INDEX 830s.	874	957	1020	1130
830	875	958	1021-1025	1131
831	876	959	1026	1132
832	877	INDEX 960s.	1027	1133
833	878		1028	1134
834	879	960	1029	1135
835-839		961		1136
		962		1137-1139
		963		
		964		
		965		
		966-969		

INDEX 1140s.

1140
1141-1143
1144
1145
1146
1147-1149

INDEX 1150s.

1150-1151
1152
1153
1154
1155
1156
1157
1158
1159

**INDEX 1160s.-
1170s.**

1160-1179

INDEX 1180s.

1180-1184
1185
1186
1187
1188
1189

**INDEX 1190s.-
1200s.**

1190
1191
1192
1193
1194
1195
1196-1198
1199
1200
1201
1202
1203
1204-1209

INDEX 1210s.

1210-1215
1216
1217-1219

INDEX 1220s.

1220
1221
1222
1223
1225
1226-1229

**INDEX 1230s.-
1240s.**

1230-1232
1233
1234
1235
1236
1237-1239
1240
1241-1243
1244
1246-1247
1248
1249

INDEX 1250s.

1250-1255
1256
1257
1258-1259

**INDEX 1260s.-
1270s.**

1260-1261
1262
1263
1264
1265
1266
1267
1268
1269
1270
1271
1272
1273
1274
1275
1276
1277
1278
1279

**INDEX 1280s.-
1330s.**

1280-1308
1309
1310
1311
1312
1313-1339

INDEX 1340s.

1340-1343
1344
1345-1346
1347
1348
1349

INDEX 1350s.

1350-1352
1353
1354
1355
1356
1357
1358-1359

**INDEX 1360s.-
1370s.**

1360-1379

INDEX 1380s.

1380-1381
1382
1383
1384-1389

**INDEX 1390s.-
1535s.**

1390-1392
1393
1394
1395
1396
1397-1407
1408
1409-1407

5. Data Entry Instructions

Define each bit's corresponding data referring to the SYSTEM DATA CONTENTS

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0-511	DATA (DATA) 00-FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	n	03	1	b0	xxx service 0/1 = Not to be provided/To be provided
			1	b1	yyy service 0/1 = Not to be provided/To be provided
			0	b2	Not used
			0	b3	Not used
			0	b4	Not used
			0	b5	Not used
			0	b6	Not used
			0	b7	Not used
	n+1	FF			Number of zzz

DATA		DATA							
DATA	BIT	Convert from Binary DATA to Hexadecimal, and enter the HEX value at DATA text box.							
1	b0								
1	b1								
0	b2								
0	b3								
0	b4								
0	b5								
0	b6								
0	b7								
BIT		b7	b6	b5	b4	b3	b2	b1	b0
DATA		0	0	0	0	0	0	1	1
HEX		0				3			

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS													
			DATA 0/1	BIT														
1	512			b ₀ -b ₇	Fusion Point Code (FPC) of self node in hexadecimal. FPC 0-253 (00 HEX-FD HEX) Note: - After assigning/changing the FPC, System Initialization (Non-Load Initialization) is required. Assign only for the FCCS Network. - When PHS/PCS (including CS) and the SP Controlled SIP terminal is used, assign FPC in the range of 1~253 for operating the system on the basis of NDM. Assign FPC=0 for operating the system on the basis of LDM. Take notice that PHS/PCS and the SP Controlled SIP terminal won't work normally in other than this pattern.													
	513	01		b ₀ -b ₇	Local Data Memory (LDM) usage. Assign “1 (the memory block is used)” to the corresponding bit. Using the FLCVTR command assigns 01H automatically. Note 1, Note 2 <table><thead><tr><th>bit</th><th>Memory Block</th></tr></thead><tbody><tr><td>b₀</td><td>Memory Block #0</td></tr><tr><td>b₁</td><td>Memory Block #1</td></tr><tr><td>b₂</td><td>Memory Block #2</td></tr><tr><td>b₃</td><td>Memory Block #3</td></tr><tr><td>b₄</td><td>Memory Block #4</td></tr><tr><td>b₅</td><td>Memory Block #5</td></tr></tbody></table> Note 3	bit	Memory Block	b ₀	Memory Block #0	b ₁	Memory Block #1	b ₂	Memory Block #2	b ₃	Memory Block #3	b ₄	Memory Block #4	b ₅
bit	Memory Block																	
b ₀	Memory Block #0																	
b ₁	Memory Block #1																	
b ₂	Memory Block #2																	
b ₃	Memory Block #3																	
b ₄	Memory Block #4																	
b ₅	Memory Block #5																	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																		
			DATA 0/1	BIT																			
1	514	01		b ₀ -b ₇	Network Data Memory (NDM) usage. Assign “1 (the memory block is used)” to the corresponding bit. Using the FLCVTR command assigns 01H automatically. Note 2, Note 4 Note: The change of this data setting can be applied without reset. <table><tr><th>bit</th><th>Memory Block</th></tr><tr><td>b₀</td><td>Memory Block #0</td></tr><tr><td>b₁</td><td>Memory Block #1</td></tr><tr><td>b₂</td><td>Memory Block #2</td></tr><tr><td>b₃</td><td>Memory Block #3</td></tr><tr><td>b₄</td><td>Memory Block #4</td></tr><tr><td>b₅</td><td>Memory Block #5</td></tr><tr><td>b₆</td><td>Memory Block #6</td></tr><tr><td>b₇</td><td>Memory Block #7</td></tr></table>	bit	Memory Block	b ₀	Memory Block #0	b ₁	Memory Block #1	b ₂	Memory Block #2	b ₃	Memory Block #3	b ₄	Memory Block #4	b ₅	Memory Block #5	b ₆	Memory Block #6	b ₇	Memory Block #7
bit	Memory Block																						
b ₀	Memory Block #0																						
b ₁	Memory Block #1																						
b ₂	Memory Block #2																						
b ₃	Memory Block #3																						
b ₄	Memory Block #4																						
b ₅	Memory Block #5																						
b ₆	Memory Block #6																						
b ₇	Memory Block #7																						

Note 1: Necessary data for the programming using commands for LDM. Usually 01H is assigned. When the Local Data Memory is not enough, change the value from 03H to 3FH.

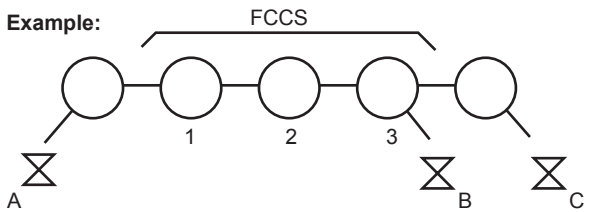
Note 2: To delete a memory block, execute the DDMO command and press the “Detail” button; a memory block can be deleted only when the Used-size of the relevant memory block (2MB) is 4,096 bytes.

Note 3: These memory blocks are usable only when the amount of the memory mounted onto the system is more than 512MB.

Note 4: Necessary data for the programming commands for NDM. Usually 01H is assigned. When the Network Data Memory is not enough, change the value from 03H → 07H → 0FH → 1FH → 3FH → 7FH → FFH. To expand more, use Index 957, b0 to b7 (01H → 03H → 07H → 0FH → 1FH → 3FH → 7FH → FFH).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS										
			DATA 0/1	BIT											
1	515				IP Address (HEX) for Node over External LAN										
	516				Note: This data is valid when the Node is connected to the external PC.										
	517														
	518														
					IP address (172. 16. 253. 0) becomes valid when no data is assigned here.										
					Example: IP Address: 133. 206. 8. 1										
					<table><tr><th>INDEX</th><th>Set HEX</th></tr><tr><td>515</td><td>85</td></tr><tr><td>516</td><td>CE</td></tr><tr><td>517</td><td>08</td></tr><tr><td>518</td><td>01</td></tr></table>	INDEX	Set HEX	515	85	516	CE	517	08	518	01
	INDEX	Set HEX													
	515	85													
	516	CE													
517	08														
518	01														
				Note: As this data is determined by the ADTM command, be sure not to assign by this ASYDL command.											
				Note: In order to make the change effective, office data back up by MEM_HDD command and then TCP/IP module reset is required.											
519				Subnet Mask (HEX) for Node over External LAN											
520				Note: This data is valid when the Node is connected to the external PC.											
521															
522															
				When the indexes are all 00H, the subnet mask becomes 255.255.0.0.											
				Example: Subnet Mask: 255.255.255.0											
				<table><tr><th>INDEX</th><th>Set HEX</th></tr><tr><td>519</td><td>FF</td></tr><tr><td>520</td><td>FF</td></tr><tr><td>521</td><td>FF</td></tr><tr><td>522</td><td>00</td></tr></table>	INDEX	Set HEX	519	FF	520	FF	521	FF	522	00	
INDEX	Set HEX														
519	FF														
520	FF														
521	FF														
522	00														
				Note: As this data is determined by the ADTM command, be sure not to assign by this ASYDL command.											
				Note: In order to make the change effective, office data back up by MEM_HDD command and then TCP/IP module reset is required.											

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS									
			DATA 0/1	BIT										
1	523				Default Gateway Address of External LAN									
	524				Gateway Address (IP address of Router) of Network connecting Node.									
	525													
	526				Note: This data is valid when the Node is connected to the external PC LAN. In the case of no Network Gateway, assignment data is 00 HEX in Index 523 through 526. Example: Default Gateway Address: 133. 206. 8. 254 <table><tr><th>INDEX</th><th>Set HEX</th></tr><tr><td>523</td><td>85</td></tr><tr><td>524</td><td>CE</td></tr><tr><td>525</td><td>08</td></tr><tr><td>526</td><td>FE</td></tr></table> Note: As this data is determined by the ADTM command, do not assign by this ASYDL command. Note: In order to make the change effective, office data back up by MEM_HDD command and then TCP/IP module reset is required.	INDEX	Set HEX	523	85	524	CE	525	08	526
INDEX	Set HEX													
523	85													
524	CE													
525	08													
526	FE													

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	527			$b_0 - b_3$	Designate the maximum number of the tandem node for FCCS connection. Example:  A to B : 2 (two) tandem nodes A to C : 3 (three) tandem nodes
				b_4	Dial Pulse (DP) Relay Broadcasting to FCCS Link 0/1 = Invalid/Valid
				b_5	Speech Link Reconnection via FCCS Networking via IP 0/1 = Valid/Invalid Note: When using FCCS Networking via IP (Peer-to-Peer), set this bit to 0.
				b_6	TCP Connection Status Monitor 0/1 = Valid/Invalid Note: When SP-3549 IPTRK-B is used as the main firm, and SP-3548 IPTB SUB PROG-A as the sub firm, set this bit to 1.
			0	b_7	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	528			b_0-b_3	Voice Recognition Services Timer MTC = 1 - 15 (1 HEX to F HEX) seconds Timer value = MTC × TC This timer defaults to 30 seconds when 00 HEX is assigned.
				b_4-b_7	Timer Class (TC) $\begin{array}{ccc ccc ccc} \underline{b_6} & \underline{b_5} & \underline{b_4} & & \underline{b_6} & \underline{b_5} & \underline{b_4} & & \underline{b_6} & \underline{b_5} & \underline{b_4} \\ 0 & 0 & 0 & = & \text{-----} & 0 & 1 & 1 & = & 2 \text{ sec.} & 1 & 1 & 0 & = & \text{-----} \\ 0 & 0 & 1 & & & 1 & 0 & 0 & = & 30 \text{ sec.} & 1 & 1 & 1 & = & \text{-----} \\ 0 & 1 & 0 & = & \text{-----} & 1 & 0 & 1 & = & \text{-----} \end{array}$
	529			b_0	Parity check method for SMDR/MCI/CS Report with LAN interface $\begin{array}{cc} \underline{b_1} & \underline{b_0} \\ 0 & 0 & = & \text{Odd Parity Check (Default)} \\ 0 & 1 & = & \text{Odd Parity Check} \\ 1 & 0 & = & \text{Even Parity Check} \\ 1 & 1 & = & \text{Non-Parity Check} \end{array}$
				b_1	
			0	b_2-b_7	Not used
	530 Note 1			b_0-b_3	Miscellaneous Timer Counter (MTC) for FCCS Health Check Timer MTC = 1 - 15 (1 - F HEX)
				b_4-b_6	Timer Class (TC) for FCCS Health Check Timer $\begin{array}{ccc ccc} \underline{b_6} & \underline{b_5} & \underline{b_4} & & & & \\ 000 & = & \text{---} & & & & \\ 001 & = & \text{---} & & & & \\ 010 & = & \text{---} & & & & \\ 011 & = & 2 \text{ seconds} & & & & \\ 100 & = & 30 \text{ seconds} & & & & \\ 101 & = & 5 \text{ minutes} & & & & \\ 110 & = & \text{---} & & & & \\ 111 & = & 8 \text{ seconds-} & & & & \end{array}$
				b_7	FCCS Health Check Timer 0/1 = In service/Out of service

Note 1: FCCS Health Check Timer value is determined by MTC × TC seconds. When this data is 00 HEX, default value 30 seconds is automatically set.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	531				SDT card accommodation 0/1 = Not accommodated/Accommodated b1 → MG1, b3 → MG3, b5 → MG5, b7 → MG7 Note: The SDT card can be mounted in the odd MG only.
	532				Fusion Point Code (FPC) of the Center Node (CN) for the Centralized Management Report-FCCS
	533				FPC number of the node that has the C-VNDM (1-253). Note: Available for ACD/OAI features.
	534		0	b ₀ -b ₁	Not used
				b ₂	Change of data broadcasting point when assigning NDM command 0/1 = Out of service/In service
			0	b ₃ -b ₅	Not used
				b ₆	System Message [36-F]/[36-K] output for FCCS Health Check 0/1 = In service/Out of service
				b ₇	NDM Data broadcasting method for FCCS network 0 = NDM Data en bloc broadcasting (from NCN to All LNs) 1 = NDM Data individual broadcasting (from NCN to the LN)
	535-539	00			Not used
	540-549	00			Not used
	550-551	00			Not used
	552		0	b ₀ -b ₅	Not used
				b ₆	Forced Disconnect Feature 0/1 = Out of service/In service Note: Available in North America and Asia.
				b ₇	11-A alarm for Forced Disconnect Feature 0/1 = Not register/Register Note: Available in North America and Asia.
	553-555	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	556			b ₀ -b ₃	PIR mounting status in IMG0 (IMG/MMG/UMGi/RNIP system) Note 2, Note 3, Note 4, Note 5 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG1 (MMG/UMGi/RNIP system) Note 2, Note 3, Note 4, Note 5 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used
	557			b ₀ -b ₃	PIR mounting status in IMG2 (MMG/UMGi/RNIP system) Note 2, Note 3, Note 4, Note 5 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG3 (MMG/UMGi/RNIP system) Note 2, Note 3, Note 4, Note 5 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used

Note 2: If virtual PIR is assigned, IMG mounting status in ASYD SYS1 Index 198 and 199 for a normal system, and also unit data for virtual PIR by the AUNT command must be assigned.

Note 3: If virtual PIR is assigned, LP mounting status in ASYD SYS1 Index 198 to 205 for UMGi/RNIP system, and also unit data for virtual PIR by the AUNT command must be assigned.

Note 4: In a normal system, only in the case where a physical PIR is installed, the related bit in Index556/Index557 must be 0. In all other cases, the bit must be 1 (virtual PIR/not used). Be sure to match the setting of ASYDL, SYS1, Index556/Index557 and the actual installed configuration. See also ASYDL, SYS1, Index1026/Index1027.

Note 5: In the UMGi/RNIP system, only in the case where a physical PIR is installed, the related bit in Index556 to 563 must be 0. In all other cases, the bit must be 1 (virtual PIR/not used). Be sure to match the setting of ASYDL, SYS1, Index556 to 563 and the actual installed configuration. See also ASYDL, SYS1, Index1026 to 1033.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	558			b ₀ -b ₃	PIR mounting status in IMG4 (For UMGi/RNIP system) Note 6, Note 7 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG5 (For UMGi/RNIP system) Note 6, Note 7 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used
	559			b ₀ -b ₃	PIR mounting status in IMG6 (For UMGi/RNIP system) Note 6, Note 7 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG7 (For UMGi/RNIP system) Note 6, Note 7 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used
	560			b ₀ -b ₃	PIR mounting status in IMG8 (For UMGi/RNIP system) Note 6, Note 7 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG9 (For UMGi/RNIP system) Note 6, Note 7 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	561			b ₀ -b ₃	PIR mounting status in IMG10 (For UMGi/RNIP system) Note 6, Note 7 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG11 (For UMGi/RNIP system) Note 6, Note 7 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used
	562			b ₀ -b ₃	PIR mounting status in IMG12 (For UMGi/RNIP system) Note 6, Note 7 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG13 (For UMGi/RNIP system) Note 6, Note 7 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used
	563			b ₀ -b ₃	PIR mounting status in IMG14 (For UMGi/RNIP system) Note 6, Note 7 b0: PIR0 b1: PIR1 b2: PIR2 b3: PIR3 0/1=PIR is mounted/Virtual PIR is used
				b ₄ -b ₇	PIR mounting status in IMG15 (For UMGi/RNIP system) Note 6, Note 7 b4: PIR0 b5: PIR1 b6: PIR2 b7: PIR3 0/1=PIR is mounted/Virtual PIR is used

Note 6: If virtual PIR is assigned, IMG mounting status in ASYD SYS1 Index 198 to 205 for UMGi/RNIP system, and also unit data for virtual PIR by the AUNT command must be assigned.

Note 7: In the UMGi/RNIP system, only in the case where a physical PIR is installed, the related bit in Index556 to 563 must be 0. In all other cases, the bit must be 1 (virtual PIR/not used). Be sure to match the setting of ASYDL, SYS1, Index556 to 563 and the actual installed configuration. See also ASYDL, SYS1, Index1026 to 1033.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	564				IP Address (Hex) of PH Module (PHI)
	565				When this data is 00H, assign the IP Address for PBX over External LAN by ASYDL, Index 515-518. If that data (Index 515-518) is not assigned, assign (172.16.253.0)
	566				
	567				
	568				Subnet Mask (Hex) of PH Module (PHI)
	569				
	570				
	571				
	572-573	00			Not used
	574			b ₀ -b ₃	Assign the detection interval of connection error. (5 seconds increments) When this data is NOT in a range of 5-120, assign the 30 s. (Default value)
				b ₄ -b ₇	Assign the Number of Retry. When this data is NOT in a range of 1-15, assign 3. (Default value)
	575			b ₀ - b ₇	The timeout for first re-transmission. (ms) When this data is NOT in a range of 1-120, assign 2000 (ms).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	576			b ₀	Centralized Billing - FCCS Service (Polling Method) 0/1 = Out of service/In service
				b ₁	(for North America) SMDR for the FCCS Network station-to-station calls 0/1 = All Station Calls/FCCS Station Calls only (for Asia, Australia, Latin America, Middle East, and Russia) Self-node Intra-station call SMDR output 0/1 = -/Stop Note 8 Note: Valid only when ASYDL Index 512 is set.
				b ₂	SMDR Interface Type 0/1 = RS-232C/LAN
				b ₃	Output the System Message related to connection down when the system changeover occurs on LAN In- terface for SMDR. 0/1 = Invalid/Valid
				b ₄	Whether to apply the Split Billing and Total Billing management of ISDN interface node for outgoing calls to ISDN from the stations in the nodes of CCIS network over IP. 0 = Not applied 1 = Adheres to ISDN interface node. Output to SMDR is applied for the transferred calls in CCIS tandem connection.
			0	b ₅ - b ₇	Not used
	577			b ₀ - b ₇	Fusion Point Code (FPC) of the Center Node (CN) for the Centralized SMDR (Centralized Billing-FCCS). FPC: 1-253 (01 HEX-FD HEX) Note: Data 01 HEX-FD HEX should be assigned at the Local Node (LN) for the Centralized Billing-FCCS. Data "00" must be fixedly assigned at the Center Node (CN) of Centralized Billing-FCCS.

Note 8: This data is assigned when suspending the SMDR output concerning the station-to-station calls made in the self node. If "1" is set, the system ignores the intra-self node calls, and outputs only the billing information on the node-to-node station calls.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	578			b_0	Centralized Billing-FCCS output text format of SMDR A 0/1 = ICS format/IMX format
			0	$b_1 - b_3$	Not used
				b_4	0/1 = SMDR A Apparatus with LAN interface is not used/used. Note 1
			0	$b_5 - b_7$	Not used
	579			b_0	Centralized Billing-FCCS output text format of SMDR B 0/1 = ICS format/IMX format
			0	$b_1 - b_3$	Not used
				b_4	0/1 = SMDR B Apparatus with LAN interface is not used/used. Note: Assign "1" at the node to which SMDR with LAN interface is connected. If not connected, this data setting is fixed to "0."
			0	$b_5 - b_7$	Not used
	580			b_0	Centralized Billing-FCCS output text format of SMDR C 0/1 = IMS (ICS) format/IMX format
			0	$b_1 - b_3$	Not used
				b_4	0/1 = SMDR C Apparatus with LAN interface is not used/used. Note 1
			0	$b_5 - b_7$	Not used
	581			b_0	Centralized Billing-FCCS output text format of SMDR D 0/1 = ICS format/IMX format
			0	$b_1 - b_3$	Not used
				b_4	0/1 = SMDR D Apparatus with LAN interface is not used/used. Note 1
			0	$b_5 - b_7$	Not used

Note 1: Assign "1" at the node to which SMDR with LAN interface is connected. If not connected, this data setting is fixed to "0".

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																																
			DATA 0/1	BIT																																																	
1	582			$b_0 - b_3$	The number of nodes to be polled in a polling 0000 = 1 0001 = 1 0010 = 2 0011 = 3 0100 = 4 0101 = 5 0110 = 6 0111 = 7 1000 = 8 ~ 1111 = 8 Note: For numbers more than “8”, assign the data value as “8”.																																																
			0	$b_4 - b_7$	Not used																																																
	583			$b_0 - b_2$	The timing for transmitting the billing data of SMDR-FCCS from the node that accommodates the outgoing trunk to the node that accommodates the called station. <table><tr><td>b_2</td><td>b_1</td><td>b_0</td><td></td><td>b_2</td><td>b_1</td><td>b_0</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>=</td><td>eight seconds</td><td>1</td><td>0</td><td>0</td><td>=</td><td>eight seconds</td></tr><tr><td>0</td><td>0</td><td>1</td><td>=</td><td>two seconds</td><td>1</td><td>0</td><td>1</td><td>=</td><td>ten seconds</td></tr><tr><td>0</td><td>1</td><td>0</td><td>=</td><td>four seconds</td><td>1</td><td>1</td><td>0</td><td>=</td><td>12 seconds</td></tr><tr><td>0</td><td>1</td><td>1</td><td>=</td><td>six seconds</td><td>1</td><td>1</td><td>1</td><td>=</td><td>14 seconds</td></tr></table>	b_2	b_1	b_0		b_2	b_1	b_0		0	0	0	=	eight seconds	1	0	0	=	eight seconds	0	0	1	=	two seconds	1	0	1	=	ten seconds	0	1	0	=	four seconds	1	1	0	=	12 seconds	0	1	1	=	six seconds	1	1	1	=	14 seconds
			b_2	b_1	b_0		b_2	b_1	b_0																																												
			0	0	0	=	eight seconds	1	0	0	=	eight seconds																																									
	0	0	1	=	two seconds	1	0	1	=	ten seconds																																											
0	1	0	=	four seconds	1	1	0	=	12 seconds																																												
0	1	1	=	six seconds	1	1	1	=	14 seconds																																												
0	$b_3 - b_6$	Not used																																																			
	b_7	The timing for transmitting the polled billing data assigned at $b_0 \sim b_2$ is 0= In service																																																			
584				$b_0 - b_7$	Designate the Polling cycle within the Self Node (UMGi/RNIP system only) by the number of calls intended for Polling of the system. Assign this data to default value “0” or “8” when the number of calls is within 675,000 calls per day. Actual setting is measured declining 30% of calls in the following values on the list: <table><tr><th>Call/day</th><th>System Data</th><th>Call/day</th><th>System Data</th></tr><tr><td>~675000</td><td>00</td><td>~600000</td><td>09</td></tr><tr><td>~5400000</td><td>01</td><td>~540000</td><td>0A</td></tr><tr><td>~2700000</td><td>02</td><td>~490000</td><td>0B</td></tr><tr><td>~1800000</td><td>03</td><td>~450000</td><td>0C</td></tr><tr><td>~1350000</td><td>04</td><td>~400000</td><td>0D</td></tr><tr><td>~1080000</td><td>05</td><td>~385000</td><td>0E</td></tr><tr><td>~900000</td><td>06</td><td>~360000</td><td>0F</td></tr><tr><td>~770000</td><td>07</td><td>~337000</td><td>10</td></tr><tr><td>~675000</td><td>08</td><td></td><td></td></tr></table>	Call/day	System Data	Call/day	System Data	~675000	00	~600000	09	~5400000	01	~540000	0A	~2700000	02	~490000	0B	~1800000	03	~450000	0C	~1350000	04	~400000	0D	~1080000	05	~385000	0E	~900000	06	~360000	0F	~770000	07	~337000	10	~675000	08										
Call/day	System Data	Call/day	System Data																																																		
~675000	00	~600000	09																																																		
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~1800000	03	~450000	0C																																																		
~1350000	04	~400000	0D																																																		
~1080000	05	~385000	0E																																																		
~900000	06	~360000	0F																																																		
~770000	07	~337000	10																																																		
~675000	08																																																				

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																								
			DATA 0/1	BIT																																									
1	585			b ₀ - b ₇	Designate the polling cycle between the nodes (for Center Node only). When an LN among multiple LNs is set as the Center Node of CCIS Centralized Billing, you can adjust the polling cycle to avoid Buffer Overflow in LNs. Usually use the default value “0 (two seconds cycle)”. Note 1 <table><tr><th>Polling Cycle</th><th>System Data</th></tr><tr><td>2.00 seconds</td><td>00</td></tr><tr><td>0.25 seconds</td><td>01</td></tr><tr><td>0.50 seconds</td><td>02</td></tr><tr><td>0.75 seconds</td><td>03</td></tr><tr><td>1.00 seconds</td><td>04</td></tr><tr><td>1.25 seconds</td><td>05</td></tr><tr><td>1.50 seconds</td><td>06</td></tr><tr><td>1.75 seconds</td><td>07</td></tr><tr><td>2.00 seconds</td><td>08</td></tr></table><table><tr><th>Polling Cycle</th><th>System Data</th></tr><tr><td>2.25 seconds</td><td>09</td></tr><tr><td>2.50 seconds</td><td>0A</td></tr><tr><td>2.75 seconds</td><td>0B</td></tr><tr><td>3.00 seconds</td><td>0C</td></tr><tr><td>3.25 seconds</td><td>0D</td></tr><tr><td>3.50 seconds</td><td>0E</td></tr><tr><td>3.75 seconds</td><td>0F</td></tr><tr><td>4.00 seconds</td><td>10</td></tr><tr><td>2.00 seconds</td><td>11 - FF</td></tr></table>	Polling Cycle	System Data	2.00 seconds	00	0.25 seconds	01	0.50 seconds	02	0.75 seconds	03	1.00 seconds	04	1.25 seconds	05	1.50 seconds	06	1.75 seconds	07	2.00 seconds	08	Polling Cycle	System Data	2.25 seconds	09	2.50 seconds	0A	2.75 seconds	0B	3.00 seconds	0C	3.25 seconds	0D	3.50 seconds	0E	3.75 seconds	0F	4.00 seconds	10	2.00 seconds	11 - FF
						Polling Cycle	System Data																																						
						2.00 seconds	00																																						
						0.25 seconds	01																																						
						0.50 seconds	02																																						
						0.75 seconds	03																																						
						1.00 seconds	04																																						
						1.25 seconds	05																																						
						1.50 seconds	06																																						
						1.75 seconds	07																																						
2.00 seconds	08																																												
Polling Cycle	System Data																																												
2.25 seconds	09																																												
2.50 seconds	0A																																												
2.75 seconds	0B																																												
3.00 seconds	0C																																												
3.25 seconds	0D																																												
3.50 seconds	0E																																												
3.75 seconds	0F																																												
4.00 seconds	10																																												
2.00 seconds	11 - FF																																												

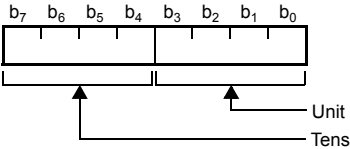
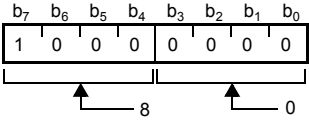
Note 1: When Centralized Billing - FCCS is performed in a DTI-FCCS (FCH) network, adjust the maximum bandwidth used for Centralized Billing - FCCS not to exceed the abilities of FCHs.

- You can adjust the maximum bandwidth used for Centralized Billing - FCCS by setting the system data.

Polling Cycle	System Data (Index 585)	Maximum Bandwidth of Centralized Billing - FCCS (Kbps)								
		Number of FPCs (Index 582, bit 0-3)								
		00	01	02	03	04	05	06	07	08
2.00 seconds	00	4 kbps	4 kbps	8 kbps	12 kbps	16 kbps	20 kbps	24 kbps	28 kbps	32 kbps
0.25 seconds	01	32 kbps	32 kbps	64 kbps	96 kbps	128 kbps	160 kbps	192 kbps	224 kbps	256 kbps
0.50 seconds	02	16 kbps	16 kbps	32 kbps	48 kbps	64 kbps	80 kbps	96 kbps	112 kbps	128 kbps
1.00 seconds	04	8 kbps	8 kbps	16 kbps	24 kbps	32 kbps	40 kbps	48 kbps	56 kbps	64 kbps
2.00 seconds	08	4 kbps	4 kbps	8 kbps	12 kbps	16 kbps	20 kbps	24 kbps	28 kbps	32 kbps
4.00 seconds	10	2 kbps	2 kbps	4 kbps	6 kbps	8 kbps	10 kbps	12 kbps	14 kbps	16 kbps

- Adjust the maximum bandwidth used for Centralized Billing - FCCS to suit the abilities of FCHs. The table below shows the recommended maximum bandwidth.

FCH	Maximum Bandwidth of Centralized Billing - FCCS
64 kbps	4 kbps
128 kbps	8 kbps
256 kbps	16 kbps
512 kbps	32 kbps

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	586			$b_0 - b_7$	Set the upper limit of polling buffer rate (01%-99%) at Centralized Billing Node.  Example:  Note: If the value exceeds the assigned limit, polling is not activated. If 00HEX is assigned to $b_0 \sim b_7$, the data is to be assigned to the standard rate 50%. Note: When the Centralized Billing Office cannot receive any billing information for 20 seconds, billing information created at local offices is not to be sent to the Centralized Billing Office. In this case, when there is no other destination for a local office to output the billing information than the Centralized Billing Office, the information will be deleted. As long as this incapability of sending information persists, the transmission status is to be checked in order from the oldest. Note: This setting applies to "Centralized Billing - CCIS [C-55]", "Centralized Billing - FCCS (Polling Method)" and "CS Report (UMGi only) [C-149]".

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	587			b_0	Interface type for CS Report output 0/1 = IOC (RS-232C)/LAN
				b_1	System Message output for CS Report with LAN interface related to connection failure in system change-over 0/1 = Out of service/In service
			0	$b_2 - b_5$	Not used
				b_6	Output Equipment A for CS Report with LAN interface 0/1 = Out of service/In service
				b_7	Output Equipment B for CS Report with LAN interface 0/1 = Out of service/In service

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	588			b_0	The station number of transferring party is output to SMDR as originating party in Blind Transfer. 0/1 = Out of service/In service Note: This data is valid when ASYD SYS1, Index20 $b_7=1$ and Index33 = 60 or 68 HEX. is assigned. Note: This data is not applied to the originating party information for MCI message. This data corresponds to the billing information output only.
			0	$b_2 - b_7$	Not used
	589			b_0	0/1=MA-ID is not added to SMDR text/MA-ID is added to SMDR text.
			0	$b_1 - b_2$	Not used
				b_3	Billing after transfer over different MA-IDs 0/1 = Out of service/In service
			0	b_4	Not used
				b_5	SMDR - Multiple Time Zone 0/1 = Out of service/In service
				b_6	Calling Party Number Information to be output to SMDR 0/1 = Pre-translated Number/Translated Number
			0	b_7	Not used
	590-597	00			Not used
	598		0	$b_0 - b_3$	Not used
				$b_4 - b_6$	LAN Cable Layer 1 Fault Detection Monitor Timer of LAN2 connector. Note 1
				b_7	When the Layer 1 link disconnection at LAN2 connector is detected, system changeover is; Note 1 0 = not executed 1 = executed
	599	00			Not used
	600-607	00			Not used

Note 1: The following shows the duration of time before starting system changeover.

Bit 7	Bit 6	Bit 5	Bit4	Changeover Operation Time
1	0	0	0	Starts immediately, and ends about 12 seconds later.
1	0	0	1	Starts after 6-8 seconds, and ends about 12 seconds later.
1	0	1	0	Starts after 10-12 seconds, and ends about 12 seconds later. (Standard setting)
1	0	1	1	Starts after 16-17 seconds, and ends about 12 seconds later.
1	1	0	0	Starts after 20-22 seconds, and ends about 12 seconds later.
1	1	0	1	Starts after 26-27 seconds, and ends about 12 seconds later.
1	1	1	0	Starts after 30-32 seconds, and ends about 12 seconds later.
1	1	1	1	Starts after 37-38 seconds, and ends about 12 seconds later.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS								
			DATA 0/1	BIT									
1	608		The Fusion Point Code (FPC) of the polling destination. FPCs range of 1 to 253 as shown in the table below. Assign data “1 (Polling Destination of Centralized Billing-FCCS)” for the corresponding FPC node.										
	609												
	610												
	611		Note: This data should be assigned at the Center node for the Centralized Billing-FCCS.										
	612												
	613		INDEX	b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀		
	614		608	7	6	5	4	3	2	1	-		
	615		609	15	14	13	12	11	10	9	8		
	616		610	23	22	21	20	19	18	17	16		
	617		611	31	30	29	28	27	26	25	24		
	618		612	39	38	37	36	35	34	33	32		
	619		613	47	46	45	44	43	42	41	40		
	620		614	55	54	53	52	51	50	49	48		
	621		615	63	62	61	60	59	58	57	56		
	622		616	71	70	69	68	67	66	65	64		
	623		617	79	78	77	76	75	74	73	72		
	624		618	87	86	85	84	83	82	81	80		
	625		619	95	94	93	92	91	90	89	88		
	626		620	103	102	101	100	99	98	97	96		
	627		621	111	110	109	108	107	106	105	104		
	628		622	119	118	117	116	115	114	113	112		
	629		623	127	126	125	124	123	122	121	120		
	630		624	135	134	133	132	131	130	129	128		
	631		625	143	142	141	140	139	138	137	136		
	632		626	151	150	149	148	147	146	145	144		
	633		627	159	158	157	156	155	154	153	152		
	634		628	167	166	165	164	163	162	161	160		
	635		629	175	174	173	172	171	170	169	168		
	636		630	183	182	181	180	179	178	177	176		
	637		631	191	190	189	188	187	186	185	184		
	638		632	199	198	197	196	195	194	193	192		
	639		633	207	206	205	204	203	202	201	200		
			634	215	214	213	212	211	210	209	208		
			635	223	222	221	220	219	218	217	216		
			636	231	230	229	228	227	226	225	224		
			637	239	238	237	236	235	234	233	232		
			638	247	246	245	244	243	242	241	240		
			639	-	-	253	252	251	250	249	248		
			639										

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	640			b ₀	Fusion Point Code (FPC) of the node providing ATT-CON.
				b ₁	
				b ₂	Assign FPC of a terminating node for operator calls from other nodes and Ring Down (IC) calls from PSTN.
				b ₃	
				b ₄	FPC: 1-253 (01 HEX-FD HEX)
				b ₅	
				b ₆	Note: This data is necessary at all nodes. Assign the self FPC at the terminating node.
				b ₇	
	641			b ₀	Designation of output numbers for SMDR ICS format. 0/1 = Physical (station) number/Telephone number Note: This data is valid when the text format of SMDR is ICS format. Note: Data 1 (Telephone Number is output) is valid when the number of digits for Telephone number is six or less.
				b ₁	Designation of output numbers for MCI ICS format. 0/1=Physical (station) number/Telephone number Note: This data is valid when the text format of MCI is ICS format. Note: Data 1 (Telephone Number is output) is valid when the number of digits for Telephone number is six or less.
			0	b ₂	Not used
				b ₃	Designation of output routes for SMDR ICS format. 0/1 = Physical route/Logical route Note: This data is valid when the text format of SMDR is ICS format.
			0	b ₄ -b ₅	Not used
				b ₆	Node for a sender to be selected when originating a trunk call via Peer-to-Peer FCCS. 0 = Node accommodating the calling party (*Node accommodating the outgoing trunk is selected if this node cannot be selected.) 1 = Node accommodating the outgoing trunk (*Node accommodating the calling party is selected if this node cannot be selected.)
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS								
			DATA 0/1	BIT									
1	642		Speech Path Memory of TONE ROM source selection for Voice Prompt Service. 0/1 = TONE ROM/Speech Path Memory										
	643												
	644												
	645		INDEX	b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀		
			642	ch7	ch6	ch5	ch4	ch3	ch2	ch1	ch0		
			643	ch15	ch14	ch13	ch12	ch11	ch10	ch9	ch8		
			644	ch23	ch22	ch21	ch20	ch19	ch18	ch17	ch16		
	645		ch31	ch30	ch29	ch28	ch27	ch26	ch25	ch24			
	646		Speech Path Memory of MUSIC ROM source selections for Voice Prompt Service. 0/1 = MUSIC ROM/Speech Path Memory (External Music on Hold)										
	647												
	648												
	649		INDEX	b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀		
			646	ch7	ch6	ch5	ch4	ch3	ch2	ch1	ch0		
			647	ch15	ch14	ch13	ch12	ch11	ch10	ch9	ch8		
			648	ch23	ch22	ch21	ch20	ch19	ch18	ch17	ch16		
	649				ch29	ch28	ch27	ch26	ch25	ch24			
	Note: For Extended External Music on Hold service, assign “1 (speech path memory)” to the applying channels.												
	650		0	b ₀ -b ₅	Not used								
				b ₆	Send the system message when BLF information clear has started. 0/1 = Send/Not send Note: This data is to be assigned in a Center Node only.								
				b ₇	BLF information clear 0/1 = Clear/Not Clear								
	651	00			Not used								

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	652			b_0-b_3	Payload Type for FAX control between Legacy Stations/External Trunks via FCCS over IP network 0: - 1: G.711 2: G.726 3: T.30 4-5: Not used Note: When Index 652=0 is set, "payload type: G.711" and "payload size: 40ms" are applied as default data. (Even if payload size is set by Index 653, payload size is fixed to 40ms.)
			0	b_4-b_7	Not used
	653			b_0-b_4	Payload Size for FAX control between Legacy Stations/External Trunks via FCCS over IP network 0: - 1: 10 milliseconds 2: 20 milliseconds 3: 30 milliseconds 4: 40 milliseconds 5-31: Not used Note: This data is effective when Index 652=1 (G.711) or 2 (G.726) is set. Note: When Index 652=1 (G.711) or 2 (G.726) is set and Index 653=0 is set, default data "payload size: 40ms" is applied.
			0	b_5-b_7	Not used
	654			b_0-b_7	Jitter Buffer size for FAX control between Legacy Stations/External Trunks via FCCS over IP network 1-30: 10 milliseconds - 300 milliseconds Note: When the value 0 is set, "150 milliseconds" is set as default data.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	655			b_0	Use common/separate system message for Peer-to-Peer Fusion Health Check NG (Temporary/Permanent). Note 1 0 = common 1 = separate
			0	b_1-b_7	Not used
	656			b_0-b_3	The number of times that Fusion Health Check time-out occurred to trigger temporary failure message output of [36-F] Fusion Health Check Report (Temporary/Permanent) and FCCS link block execution.; 0: 1 time (default) 1: 1 time 2: 2 times 3: 3 times 4: 4 times 5: 5 times 6: 6 times 7: 7 times 8: 8 times 9: 9 times 10: 10 times 11: 11 times 12: 12 times 13: 13 times 14: 14 times 15: 15 times
			0	b_4-b_7	Not used
	657-660	00			Not used

Note 1: When “common” is selected, [36-F] Fusion Health Check Report (Temporary/Permanent) is output for the temporary/permanent timeout of Fusion Health Check.
When “separate” is selected, [36-F] Fusion Health Check Report (Temporary/Permanent) is output for the temporary timeout of Fusion Health Check, and [36-T] Fusion Health Check Report (Permanent) for the permanent timeout of Fusion Health Check.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	661			b_0-b_3	No Answer Timer for Call Park Group - D and Call Park Group (PS). MTC = 1 - 15 (1 HEX to F HEX) seconds Timer value = MTC $\times$ TC
				b_4-b_6	Timer Class (TC) for Call Park Group - D and Call Park Group (PS). TC = 0: - TC = 1: - TC = 2: - TC = 3: 2 seconds TC = 4: 30 seconds TC = 5: - TC = 6: - TC = 7: - Note: When this data is 03 HEX or 04 HEX, ASYD, SYS1, Index 139 data becomes invalid.
			0	b_7	Not used
	662			b_0-b_7	Timer for Forced Disconnect Note 1 Timer Data = MTC value $\times$ 30 seconds

Note 1: Available in North America and Asia.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	663			b ₀ -b ₃	Reorder Tone (ROT) Hearing Time MTC = 1-15 (1h to Fh) Timer Value = MTC x TC
				b ₄ -b ₆	0-7 = TC TC = 0: - TC = 1: - TC = 2: - TC = 3: 2 seconds TC = 4: 30 seconds TC = 5: 5 minutes TC = 6: - TC = 7: - TC x MTC = ROT hearing time (Max. 5 min x 15 = 75 min) Do not assign 0 for MTC when TC = 3, 4 or 5 Note: The ROT hearing time assigned by this system data may differ to it of actual setting time. The maximum range of tolerance will be "One time renewing interval assigned for TC".
			0	b ₇	Not used
	664	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	665			b ₀ -b ₃	Remote Hold Recall Timer for Attendant (North America only) Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15) Timer Data = MTC × TC seconds
				b ₄ -b ₆	Remote Hold Recall Timer for Attendant (North America only) Timer Class (TC) is to be assigned one of the following values: $\begin{matrix} b_6 & b_5 & b_4 \\ \hline 0 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 1 & 1 \end{matrix} = \begin{matrix} - \\ - \\ - \\ 2 \text{ sec.} \end{matrix}$ $\begin{matrix} b_6 & b_5 & b_4 \\ \hline 1 & 0 & 0 \\ 1 & 0 & 1 \\ 1 & 1 & 0 \\ 1 & 1 & 1 \end{matrix} = \begin{matrix} - \\ - \\ - \\ 8 \text{ sec.} \end{matrix}$
			0	b ₇	Not used
	666			b ₀ -b ₃	Remote Hold Recall Timer for Station (North America only) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0-15) Timer Data = eight seconds × MTC value
			0	b ₄ -b ₇	Not used
	667			b ₀ -b ₃	CASWT Timer (North America only) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0-15) Timer Data = MTC value × 16 milliseconds
				b ₄ -b ₇	CASST Timer (North America only) Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0-15) Timer Data = MTC value × 16 milliseconds
	668			b ₀ -b ₇	FSWT Timer (North America only) Timer Data = MTC value × 16 milliseconds
	669			b ₀ -b ₇	SAS Wait Timer (North America only) Timer Data = MTC value × 16 milliseconds

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	670			b ₀ -b ₇	OSI Interval (North America only) Timer Data = MTC value × 16 milliseconds
	671			b ₀ -b ₃	Timer for alternate routing if IP network failure Timer Value = 2seconds × MTC MTC (Misc Timer Counter) = 2 -15 (2-30 seconds) Note: When this data is set to "0," the ACM/UMB Signal No-Receiving Timer (ASYD, SYS1, Index 189, b ₄ -b ₇) takes effect. Note: When using PS Inter-Node Roaming, set timer at 8 seconds or more.
			0	b ₄ -b ₇	Not used
	672			b ₀	Location of Telephone Number displayed on Desktop terminal 0/1 = Up to 8-digit Extension Number display on the First Line of Desktop terminal/Up to 16-digit Exten- sion Number display on the Second Line of Desktop terminal (See the Example following this index.)
				b ₁	Use of Desktop terminal 0/1 = Not used/Used
			0	b ₂	Not used
			0	b ₃	
				b ₄	Normal registration allowance when MAC address is not assigned. 0/1 = Normal registration is allowed/Restricted
			0	b ₅	Not used
				b ₆	MG-COT Caller ID 0/1 = Out of service/In service
			0	b ₇	Not used

Example: When a call terminates on a Desktop terminal from Telephone number 123456789, the Desktop terminal displays the following depending on the data settings.

{ ASYDL SYS1,INDEX672,b0=0 }

Eight digits long maximum when
Telephone Number is displayed on top line.

23456789

11:20 AM WED 20 NOV 2013

MIC DND >>>

{ ASYDL SYS1,INDEX672,b0=1 }

123456789

MIC DND >>>

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512-1535	DATA (DATA) 00–F (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	673			b ₀	Display Location of User Information
				b ₁	<

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512-1535	DATA (DATA) 00–F (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS						
			DATA 0/1	BIT							
1	674		0	b ₀ –b ₄	Not used						
				b ₅	Periodic Refreshment of DT800/DT700/DT400/DT300 Series and Dterm Series <i>i</i> DESI-LESS phone. 0/1 = ON/OFF						
				b ₆	Choose information to display on Speed Calling one-touch button display of DT800/DT700/DT400/DT300 Series and Dterm Series <i>i</i> DESI-LESS phone. 0/1 = Display name/registered number information						
				b ₇	Relationship between Speed Calling one-touch button display of DT800/DT700/DT400/DT300 Series and Dterm Series <i>i</i> DESI-LESS phone and Dial mode. 0/1 = Engaged/Disengage						
	675					Enter a secret character of Dial mode 1. See Table “ASCII character” below. Default Value is 00Hex:*					
						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						
676					Enter a secret character of Dial mode 2. See Table “ASCII character” of Index 675. Default Value is 00Hex:#						

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512-1535	DATA (DATA) 00-F (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	677		0	b ₀	Not used
				b ₁	Choice of Desktop terminal time display format 0/1 = 12-our display/24-our display Note: Refer to Service Condition of Multilingual Display [M-117] for the condition of firmware.
				b ₂	Display type for day of the week and month 0/1 = Type 1 (Display for Europe)/Type 2 (Standard) Note: This data setting is available for Digital terminals.
				b ₃	Display the Call Forwarding Information to a maximum of 16 digits on LCD. 0/1 = No (Default)/Yes Note: This data setting is available only for the terminal that can display 24 digits on LCD.
				b ₄	When received an incoming call from the station whose call history data is left on the list. 0/1 = Save the call history data on the list/Overwrite the call history data on the list
				b ₅	Multiple Tone-D 0/1 = In service/Out of service.
			0	b ₆	Not used
				b ₇	Distinction between upper case and lower case characters while searching phone book database for a name. 0/1 = In service/Out of service

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	678			b ₀	(For DT800/DT700 Series) Retaining the setting of handset receiver volume changed during a call. 0/1 = In service/Out of service
				b ₁	Notification of opposite party information to soft-phones 0/1 = Out of service/In service
				b ₂	Operation key to hold the call on the terminal in Call Park Group -D state. 0/1 = HOLD key/CALL PARK GROUP -D HOLD Feature key
				b ₃	Enables the operating station to connect to the conference before the called party answers or while the operating station being held by the called party. 0/1 = Out/In Service
			0	b ₄ -b ₅	Not used
				b ₆	Preference for the type of caller information to be displayed in the Call History 0/1 = Follows the setting of ASYD, System Data 1, Index 390, Bit 0/Displays Calling Number
				b ₇	Record of a call answered by a station other than the original destination station through Call Pickup or Sub Line 0 = Kept only on the original destination station (My Line). 1 = Kept on both original destination station (My Line) and answering station

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	679			b ₀	Terminal phonebook display on Line Pre-selection 0/1 = Out of Service/In Service
				b ₁	Multiple Session for SIP Multiple Line Terminals. 0/1 = Out of Service/In Service Note: When this data is changed, re-registration of the terminal is required.
				b ₂	Optional Language Pack Loading 0/1 = Out of Service/In Service
				b ₃	Call Forward Line Lamp Indication 0/1 = Out of Service/In Service Note: When this data is changed, setting and canceling Make-Busy for a station by the MBST command are required.
				b ₄	Call Park Group -D across MGs/IMGs 0/1 = Out of Service/In Service Note: When enabling/disabling this data setting, delete all data assigned through the APGS, APGN and ADGN commands in advance. For the details, refer to the section of Programming in CALL PARK GROUP - D [C-176D].
				b ₅	CALL PICKUP - ONE TOUCH Feature key 0/1 = Out of Service/In Service
				b ₆	Last Login Info Retention [L-57] 0/1 = Out of Service/In Service
			0	b ₇	Not used
	680			b ₀	IPG (Digital) 0/1 = Disabled/Enabled
				b ₁	IPG (Analog) 0/1 = Disabled/Enabled
			0	b ₂ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	681			b ₀	Number of lines displayed for Call History 0/1 = 4 lines/3 lines
				b ₁	Number of lines displayed for Phonebook 0/1 = 4 lines/3 lines
				b ₂	Preference for classifying calls picked up by non-ring station as an answered call or a missed call 0/1 = Answered call/Missed call
				b ₃	Line Lamp Priority for Call Forward Line Lamp Indi- cation 0 = Message Waiting Lamp Setting - Station [M-30] has priority over Call Forward Line Lamp Indication [C-206] 1 = Call Forward Line Lamp Indication [C-206] has priority over Message Waiting Lamp Setting - Station [M-30] Note: When this data is changed, setting and canceling Make-Busy for a station by the MBST command are required.
				b ₄	Terminal's registration to the system when MAC ad- dress information update is failed 0/1: Allow//Restrict
				b ₅	Apply Last Login Info Retention [L-57] to Soft Phone (Soft Client SP350) 0/1: Not apply/Apply
				b ₆	Last Login Info Retention [L-57] with Terminal Re- mote Login (When Remote Node and Self Node con- nected via FCCS network have the same UGN number) 0/1: In Service/Out of Service
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	682			b_0	Display Line Information when a terminal is idle. 0/1=Out of Service/In Service
				b_1-b_2	The default display items of Line Information. $b_1 \quad b_2$ 0 0 = Name + Number 1 0 = Number (16 digits) 0 1 = Name (24 characters) 1 1 = Not to display
				b_3	The line to be used for displaying Line Information. 0/1=My Line/ Prime Line
				b_4	The Name Information to be used in priority for displaying Line Information. 0=System Phone Book (APBKN command) 1=Name Display (ANDD command)
				b_5	The format to display the number on an idle terminal. 0= [Number] (number in brackets) 1=: Number (“:” before number)
				b_6	When selecting [Name + Number] for the default display of Line Information. - In the case of bit5=0, Number in brackets. 0= Name 12 characters + Number 10 digits 1= Name 16 characters + Number 6 digits - In the case of bit 5=1, “:” before Number. 0= Name 12 characters + Number 11 digits 1= Name 16 characters + Number 7 digits
				b_7	Settings for flashing Line Information when originating a call. 0/1= No Flash/ Flash

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	683		0	b ₀ -b ₃	Not used
				b ₄	The maximum number of registration data for System Phonebook 0/1 = 12000 registrations/60000 registrations Note: Available for FP95-112 V2 or later.
			0	b ₅	Not used
				b ₆ -b ₇	The lines to display Line Information. In the case of DT710 (8-button type)/DT830/DT730/DT750 b ₆ b ₇ 0 0 2nd line 1 0 3rd line In the case of DT410/DT310 (6-button type)/DT430/DT330/DT710 (6-button type) b ₆ b ₇ 0 0 1st line 1 0 2nd line
	684			b ₀	11 characters indication for Feature key information on DESI-Less Terminal. 0/1 = In service/Out of service Note: Available for DT800/DT700/DT400/DT300 Series.
				b ₁	DESI-Less icon display. 0/1 = In service/Out of service
			0	b ₂ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	
			DATA 0/1	BIT		
1	685			b ₀ -b ₂	Ringing Tone for Call Pickup - One Touch Key	
					Bit 0-2	Ringer Pattern
					0	No tone
					1	Ringer pattern 1 (ASYD, SYS3, Index 1)
					2	Ringer pattern 0 (ASYD, SYS3, Index 0)
					3	Ringing interval is 0.5 seconds ON/0.5 second OFF.
					4	Not used (This setting is prohibited.)
					5	Ringer pattern 5 (ASYD, SYS3, Index 7)
					6	Ringer pattern 6 (ASYD, SYS3, Index 8)
					7	Ringer pattern 7 (ASYD, SYS3, Index 9)
	Note: Available for FP95-115 V5 or later.					
		Call Pickup - One Touch Key Enhancement				
		0/1 = Disabled/Enabled				
		Note: Available for FP95-115 V5 or later.				
		Note: In this parameter, assign Enable to use the following commands:				
		• ASYDL/ASYDN, SYS1, Index 685, Bit 0-2 • ASYDL/ASYDN, SYS1, Index 685, Bit 4=1 • RG=7 setting for AKYD/AKYD_T command				
		Call Pickup information display on LCD				
		0/1 = Enabled/Disabled				
		Note: Available for FP95-115 V5 or later.				
		Picking up an incoming call which arrives to Call Pickup Group of Call Pickup - Direct [C-30]				
		0/1 = Disabled/Enabled				
		Note: Available for FP95-115 V5 or later.				
		b ₆				
		Not used				
		b ₇				
		Answering a call in order of incoming calls for Call Pickup - One Touch Key [C-207]				
		0/1 = Disabled/Enabled				
		Note: Available for FP95-115 V5 or later.				

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	686			b ₀	Disabling Call Forwarding - All Calls with entry Access Code 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 2.0 or later.
				b ₁	IP DSS mode 0/1 = Disabled/Enabled Note: Available for FP95-114 V4 Issue 2.0 or later.
				b ₂	Call Forwarding via trunks of a station assigned to a key on DSS Console 0/1 = Disabled/Enabled Note: Available for FP95-114 V4 Issue 2.0 or later.
			0	b ₃	Not used
				b ₄	Availability of AUTOMATIC IDLE RETURN for handset and headset (off-hook). 0/1 = Available only when hands-free operation is activated (on-hook)/Available when activating hands-free operation (on-hook) and using handset or headset (off-hook) Note: Available for FP95-114 V4 Issue 2.0 or later.
				b ₅	Sub Line Call History (unanswered calls and calls answered in other station). 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 4.0 or later.
				b ₆	Call History used in combination with Call Waiting features and Executive Right-of-Way features. 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 4.0 or later.
				b ₇	Setting for Azerbaijani/Turkish. 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 4.0 or later. Note: Assign 1 only if Azerbaijani/Turkish is used.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																								
			DATA 0/1	BIT																																									
1	687	00			Not used																																								
	688			b ₀	Hunting/PS Out of Zone Processing when called PS is Out of Zone 0/1 = Hunting/PS Out of Zone Processing																																								
			0	b ₁ -b ₇	Not used																																								
	689 - 690	00			Not used																																								
	691		0	b ₀ -b ₁	Not used																																								
				b ₂	Destination of Instant Message. 0 : WLAN Handset (MH Series) only. 1 : WLAN Handset (MH Series) and Soft Phone (SIP).																																								
			0	b ₃ -b ₇	Not used																																								
	692-699	00			Not used																																								
	700			b ₀ -b ₃	Miscellaneous Timer Counter (MTC) is to be assigned a value from 1 HEX to F HEX (1-15). Note: Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, the timer value is automatically set to about 3 minutes.																																								
				b ₄ -b ₆	Timer Class (TC) is to be assigned one of the following values: <table><tr><td>b₆</td><td>b₅</td><td>b₄</td><td></td><td>b₆</td><td>b₅</td><td>b₄</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= Not used</td><td>1</td><td>0</td><td>0</td><td>= 30 sec.</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= Not used</td><td>1</td><td>0</td><td>1</td><td>= Not used</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= Not used</td><td>1</td><td>1</td><td>0</td><td>= Not used</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= Not used</td><td>1</td><td>1</td><td>1</td><td>= Not used</td></tr></table>	b ₆	b ₅	b ₄		b ₆	b ₅	b ₄		0	0	0	= Not used	1	0	0	= 30 sec.	0	0	1	= Not used	1	0	1	= Not used	0	1	0	= Not used	1	1	0	= Not used	0	1	1	= Not used	1	1	1	= Not used
			b ₆	b ₅	b ₄		b ₆	b ₅	b ₄																																				
	0	0	0	= Not used	1	0	0	= 30 sec.																																					
	0	0	1	= Not used	1	0	1	= Not used																																					
	0	1	0	= Not used	1	1	0	= Not used																																					
	0	1	1	= Not used	1	1	1	= Not used																																					
		b ₇	SP Controlled SIP terminal SHF Prepause Timer 0/1 = In service/Out of service																																										
701			b ₀ -b ₅	SIP telephone call holding timer 01 -3d Hex (Service value x 9 minutes) 00 Hex (Default) = 63 minutes Note: Timer range: Setting time + 9 minutes																																									
			b ₆ -b ₇	SIP telephone call holding canceling 01 Hex = Invalid the call holding 00 Hex (Default) = Valid the call holding																																									

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	702			b_0	The number of digits for Telephone Number of the SP Controlled SIP terminals 0=Maximum 12 digits of Telephone Number (default) 1=More than 12 digits (16 digits at the maximum) of Telephone Number is available Note: To change the data from bit0=1 to bit0=0: 1.List the data by the "LSPO" command. 2.Delete the SP Controlled SIP Terminal data whose the end of the "PS NO (HEX)" is "0F". When this data is changed, re-registration of the SP Controlled SIP terminals is required. If SIP Wireless Terminal Backup [S-154] is activated, re-registration is not required.
			0	b_1	Not used
				b_2	RBT connection timing in recalling to PS/SIP Stations when they are engaged in a CCIS over IP (Peer-to-Peer) call. 0=After PS/SIP Station rings 1=Immediately after PS/SIP Station is recalled Note: When you assign "1" to this bit and a PS/SIP Station becomes Out of Zone, the other party hears RBT and then ROT. Assign "1" if a problem where the held party cannot hear RBT after recalling or cannot start the call after answering occurs in a mixed network of CCIS networking via IP (PHC) and DTI-FCCS, or Digital/Analog Stations/Trunks and FCCS networking via IP (Peer-to-Peer). When you assign "1" to this bit, be sure to assign ASYDL, SYS1, Index 810, Bit0=1.
			0	b_3-b_4	Not used
				b_5	Digest Authentication when the system receives a response without "qop" parameter from Standard SIP terminal. 0/1=Out of Service/In Service
			0	b_6-b_7	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS						
			DATA 0/1	BIT							
1	703	00			Not used						
	704		Fusion Point Code (FPC) of the node to which ATT CON transfers the Day/ Night changeover information. FPCs range of 1 to 253 as shown in the table below. Assign data “1 (D/N changeover information is transferred)” for the corresponding node. Note: This data is necessary at the node providing ATT CON.								
	705										
	706										
	707										
	708										
	709										
	710		INDEX	b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀
	711		704	7	6	5	4	3	2	1	0
	712		705	15	14	13	12	11	10	9	8
	713		706	23	22	21	20	19	18	17	16
	714		707	31	30	29	28	27	26	25	24
	715		708	39	38	37	36	35	34	33	32
	716		709	47	46	45	44	43	42	41	40
	717		710	55	54	53	52	51	50	49	48
	718		711	63	62	61	60	59	58	57	56
	719		712	71	70	69	68	67	66	65	64
	720		713	79	78	77	76	75	74	73	72
	721		714	87	86	85	84	83	82	81	80
	722		715	95	94	93	92	91	90	89	88
	723		716	103	102	101	100	99	98	97	96
	724		717	111	110	109	108	107	106	105	104
	725		718	119	118	117	116	115	114	113	112
	726		719	127	126	125	124	123	122	121	120
	727		720	135	134	133	132	131	130	129	128
	728		721	143	142	141	140	139	138	137	136
	729		722	151	150	149	148	147	146	145	144
	730		723	159	158	157	156	155	154	153	152
	731		724	167	166	165	164	163	162	161	160
	732		725	175	174	173	172	171	170	169	168
	733		726	183	182	181	180	179	178	177	176
	734		727	191	190	189	188	187	186	185	184
	735		728	199	198	197	196	195	194	193	192
			729	207	206	205	204	203	202	201	200
			730	215	214	213	212	211	210	209	208
			731	223	222	221	220	219	218	217	216
			732	231	230	229	228	227	226	225	224
			733	239	238	237	236	235	234	233	232
			734	247	246	245	244	243	242	241	240
			735	-	-	253	252	251	250	249	248

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	736-799	00			Not used
	800			b ₀	ALGNL/ALGSL command tenant User Group Number (UGN) table development of Local Data Memory (LDM) 0/1 = Separate/Common
				b ₁	ASPAL command tenant table development of Local Data Memory (LDM) 0/1 = Separate/Common Note: This data cannot be changed when any data is assigned in ASPAL or ASPAN command.
				b ₂	ANPDL command tenant data table development of Local Data Memory (LDM) 0/1 = Separate/Common
				b ₃	APCNL command tenant data table development of Local Data Memory (LDM) 0/1 = Separate/Common
				b ₄	AFRSL, AUNEL command tenant data table development of Local Data Memory (LDM) 0/1 = Separate/Common
				b ₅	ASTPL command tenant data table development of Local Data Memory (LDM) 0/1 = Separate/Common
				b ₆	Not used
				b ₇	AAEDL command tenant data table development of Local Data Memory (LDM) 0/1 = Separate/Common
	801		0	b ₀	Not used
				b ₁	AMNDL command tenant data table development 0/1 = Separate/Common
			0	b ₂ - b ₇	Not used
	802			b ₀	AHSPL/AHSPN Command Tenant Table Development 0/1 = Separate/Common
				b ₁	ATDPEL/ATDPEN command tenant data table development 0/1 = Separate/Common
				b ₂	AINDL command tenant data table development of Local Data Memory (LDM) 0/1 = Separate/Common
			0	b ₃ - b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	803		0	b ₀	Not used
				b ₁	Consultation Hold Release 0/1 = Out of service/In service
				b ₂	Operation from the stations in Add On Conference - 8 Party Service 0/1 = Invalid/Valid
				b ₃	Health Check in CCIS over IP (Point-to-Multipoint Connection IPTRK Card/PHC Card/Internal PHC), preventing from receiving UDP packet illegally when IPTRK is initialized or packet loss or release message occurs. 0/1 = Valid/Invalid
			0	b ₄	Not used
				b ₅	(for North America only) 0 = CFD with hold party is not available for Atten- dant Console 1 = CFD with hold party is available for Attendant Console
				b ₆	Call Waiting Caller ID PRINT ERR MSG flag 0/1 = No/Yes
				b ₇	Alternate routing to IPTRK (Point-to-Point, Point-to- Multi)/PHC (Peer-to-Peer) 0/1 = Executed/Skipped Note: Alternate routing to PHC (Peer to Peer) is available.
	804			b ₀	Kind of tone when a call is transferred from Attendant Console in the case all the stations in a UCD Group are busy 0/1 = Busy Tone/Ringback Tone
			0	b ₁ -b ₂	Not used
				b ₃	The number of digit for Internal Zone Paging Group ID 0/1 = Two digits/Three digits
				b ₄	UCD Announcement Information 0 = Individual setting for each UCD group 1 = Common in all the UCD groups
				b ₅	Individual Call Block automatic active (North America only) 0/1 = On/Off
				b ₆	Preference of alternating node in CCIS Networking via IP (Point to Multipoint) connection 0/1 = Originating node/Intermediary node
				b ₇	Preference of alternated destination for alternate rout- ing in CCIS Networking via IP (Point to Multipoint) connection 0 = Alternating route of outgoing route 1 = IP address of destination node

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	805			b_0	Office Data Periodic Refresh (For UMGi/RNIP System) 0/1=Used/Not used Note: "Sequence Counter Check," a periodic check at 8-seconds interval, is performed between Primary DM/LDM of SP and Secondary DM/LDM of each LP, to see the data integration within the System as a whole. At this time, if there is discrepancy between the mutual data, the system initiates the related data copy (from SP-ACT to LP-ACT) to assure the data integration within the system. This is called "Periodic Refresh."
				b_1	Office Data Copy Pattern (For UMGi/RNIP System) 0=Assigned/modified office data is automatically copied from SP to each LP (every data update) 1=Assigned/modified office data is manually copied by the CPDM command execution.
				b_2	System message output related to the notification of system data copying state. (For UMGi/RNIP System) 0/1=Out of service/In service
				b_3	Notification by Audible Alert when receiving a new message (for North America only) 0 = Audible Alert for the first message 1 = Audible Alert for all the messages
				b_4	Audible Alert setting (for North America only) 0 = Audible Alert by SFC and FKY 1 = Audible Alert for all stations in the system
				b_5	The expansion of Account Code length (for North America only) 0 = 10 digits account code 1 = 24 digits account code
				b_6	Blind Transfer with Recall feature 0/1 = Out of service/In service
				b_7	CCIS Tandem Trunk Queuing 0/1 = Out of service/In service
	806			b_0 - b_7	CPE ACK Timeout (North America only)
	807			b_0 - b_7	Complete Timeout Timer (North America only)
	808			b_0 - b_7	ACKWT Timer (North America only) Timer Data = MTC value × 16 milliseconds
	809	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	810			b ₀	PHC Music-on-Hold source 0/1=MOH from the Destination Office/MOH from the Self Office Note: When the whole network consists of only IP networks, assign "1".
			0	b ₁	Not used
				b ₂	External Music-on-Hold service for IP terminal. 0/1 = (-/External hold tone takes precedence Note: To select the hold tone kind, assign 1 to this bit and Index 818 b2.
				b ₃	In CCIS over IP network (Point-to-Multipoint configuration), PHC and IPTRK cards coexist in a system. 0/1 = Out of service/In service
				b ₄	Function for IP terminals to seize the IPPAD within the same network preferentially. 0/1=In service/Out of service.
			0	b ₅ - b ₇	Not used
	811			b ₀ - b ₇	Tone Code by countries 00 = Not used 01 = Japan 02 = North America 03 = Australia 04 = other countries 05 = Hong Kong 06 = Malaysia 07 = Singapore 08 = England 09 = Mexico 0A = Taiwan 0B = New Zealand 0C = Korea 0D = Brazil 0E = China 0F = Thailand 10 = Thailand (EGAT) 11 = Sri Lanka C8 = Germany C9 = Italy CA = Netherlands CC = Denmark CD = Sweden D3 = Spain D4 = Austria D5 = Belgium D6 = England [for EMEA] D7 = Greece D8 = Switzerland D9 = South Africa Other values = Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	812			$b_0 - b_4$	PAD value for IP terminals such as DtermIP, IP Enabled Dterm, Soft Phone, INASET Phone (DtermIP INASET). 00000 = No PAD control 00001 = 2 dB 00010 = 4 dB 00011 = 6 dB 00100 = 8 dB 00101 = 10 dB 00110 = 12 dB 00111 = 14 dB 01000 = 16 dB 01001 ~ 01111 = PAD OFF (0 dB)
			0	$b_5 - b_6$	Not used
				b_7	PAD control for PHC incoming/outgoing call 0/1 = Out of service/In service
	813			$b_0 - b_3$	PAD value for Analog MC 0000 = No PAD control 0001 = PAD OFF (0dB) 0010 = 3 dB 0011 = 6 dB Note: These bits are valid only when bit 7 of Index 812 ASYDL SYS1 is set to 1.
			0	$b_4 - b_7$	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	814		0	$b_0 - b_1$	Not used
				b_2	FCCS control information for selective routing 0 = Take the route to which the last signal packet was sent out 1 = Take the primary route specified by AFPC/AETH commands (standard setting)
			0	$b_3 - b_7$	Not used
	815-817	00			Not used
	818		0	$b_0 - b_1$	Not used
				b_2	External Music-on-Hold service for IP terminal. 0/1 = (-/VS IP External Music On Hold takes precedence.) Note: To select the hold tone kind, assign 1 to this bit and Index 810 b2.
				b_3	16-digit Dial Plan Support for IP Centrex Functionality 0/1=In Service/Out of Service (This data is valid when SYS1, Index 818, b5=1)
			0	b_4	Not used
				b_5	Dial Plan to support IP Centrex Functionality 0/1=Out of service/In service
				b_6	ETSI-ISDN Support 0/1 = Out of service/In service
			0	b_7	Not used
	819			$b_0 - b_3$	Default Payload Type for PHC call Note: See Default Payload Type and Size.
				$b_4 - b_7$	Default Payload Size for PHC call Note: See Default Payload Type and Size.

[Default Payload Type and Size]

Index 819, Bits 0 - 3: Assign default payload type for PHC call referring to the following table.

Index 819, Bits 4 - 7: Assign default payload size for PHC call referring to the following table.

		Index 819, Bits 0 - 3						
		0*	1**	2	3	4***	5***	6~
		G.711	G.729a	G.723.1 (5.3k)	G.723.1 (6.3k)	G.711a	G.711 μ	-
Index 819, Bits 4 - 7	0	40ms	40ms	30ms	30ms	40ms	40ms	-
	1	10ms	10ms	-	-	10ms	10ms	-
	2	20ms	20ms	-	-	20ms	20ms	-
	3	30ms	30ms	30ms	30ms	30ms	30ms	-
	4	40ms	40ms	-	-	40ms	40ms	-
	5	-	-	-	-	-	-	-
	6	-	-	60ms	60ms	-	-	-
	7~	-	-	-	-	-	-	-

* Depending on ASYDL, System Data 1, Index 64, Bit 0 data setting, the System determines whether G.711a or G.711 μ is used.

** Select G.729a when T.30 FAX is used.

*** When different CODEC modulation schemes (μ -Law/A-Law) are used between the two offices, assign 04 (G.711a) or 05 (G.711 μ) Hexadecimal to Bits 0-3 as the default payload type.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	820 - 823	00			Not used
	824			b ₀	PH Fixed Hunting method 0 / 1 =Invalid/Valid
			0	b ₁ - b ₃	Not used
				b ₄	MG EC Training 0 / 1 =Invalid/Valid
			0	b ₅	Not used
				b ₆	Peer-to-Peer Connection under NAT environment 0/1 = Out of service/In service When Peer-to-Peer connection within a private network is used, set b6 to 1. Note: This bit allows Peer-to-Peer connection within the private network that is located under NAT environment, where MGC is located in global address side. Set this bit to 0 in the following cases: - When unsupported network configuration such as Virtual Private Network (VPN) is used - When NAT method other than Basic NAT (i.e. IP Masquerade) is used Note: When Bit 6 is set to 0, global address is specified on registration.
					Default for Caller ID Display (Number Display) 0 / 1 =Not notified/notified

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	825				PAD/EC Control IP $\underline{b_1} \quad \underline{b_0}$ 0 0 = PAD/EC Control IP support is out of service $b_0 - b_1$ 0 1 = PAD/EC Control IP support is in service 1 0 = Not used 1 1 = Not used Note: When "00" is set, PAD value specified by other PAD data.
			0	$b_2 - b_3$	Not used
					PAD/EC Control PHC $\underline{b_5} \quad \underline{b_4}$ 0 0 = PAD/EC Control PHC support is out of service $b_4 - b_5$ 0 1 = PAD/EC Control PHC support is in service 1 0 = Not used 1 1 = Not used Note: When "00" is set, PAD value specified by ASYDL, SYS1, Index 813 is applied.
			0	$b_6 - b_7$	Not used
	826-829	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	830				Trunk Selection (VS32)
					$\begin{array}{cc} \underline{b_1} & \underline{b_0} \\ 0 & 0 = \text{Trunk is selectable.} \\ 0 & 1 = \text{Voice quality is taken as top priority.} \\ 1 & 0 = \text{An area to which an operator belongs is given top priority.} \end{array}$
			0	$b_2 - b_4$	Not used
					Three-Way Calling Tone service This system data works in a different way, depending on following countries: - When Bit 5=0 Austria : Three-Way Calling Tone (Add-On Ticker) is sent at a cycle of four seconds. EMEA except for Austria : Three-Way Calling Tone (Add-On Ticker) is sent at a cycle of 32 seconds. North America and Australia : Three-Way Calling Tone is not sent. - When Bit 5=1 Three-Way Calling Tone (Add-On Ticker) is sent only once when Three-Way Calling is established.
			0	b_6	Not used
					Hold Tone Selection 0/1 = Tone for EMEA/Music (Customer-provided) Note: This feature is valid only when ASYDL, SYS1, Index 811 is specified.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	831			b ₀	Multiple Time Zone 0/1 = Out of service/In service
				b ₁	CALLING PARTY CLIR/CLIP CONTROL [C-165] can be used for NI2, AT&T, or NT. 0 = Disabled 1 = Enabled Note: Supported only in North America.
				b ₂	Display on ATT when a collect call from overseas is transferred. 0 = Display calling station number 1 = Display station number of originally addressed station
				b ₃	A range of encryption for Terminal's signaling data 0 = A part of the data is encrypted 1 = All the data are encrypted
				b ₄	Terminal Authentication feature 0/1 = Disabled/Enabled
				b ₅	RTP packet communication error warning tone 0 = Playback the warning tone 1 = Do not playback the warning tone
				b ₆	CCIS over IP Health Check Enhancement 0/1 = Disabled/Enabled
			0	b ₇	Not used
	832			b ₀ - b ₇	Fusion Point Code (FPC) of the node connected with Message Center (MC) in the same MC Group FPC: 1 ~ 253 (01 HEX ~ FD HEX)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	833			b ₀	Interface type for MCI (Message Center Interface) 0/1 = RS-232C interface/LAN interface Note 2
				b ₁	MCI output text format 0/1 = IMS (ICS) format/IMX format Note 2
				b ₂	The way to output the call information of LAN Interface for MCI (when maximum two MCs are normally connected) 0/1 = Dual Output/Single Output
				b ₃	Output the System Message related to connection down when the system changeover occurs on LAN Interface for MCI 0/1 = Invalid/Valid
				b ₄	Output the LDN number on IMX format. (Caller Information Output on Call Type 30 when call was received on ATTCON) 0/1 = Invalid/Valid
				b ₅	Calling Party Number Information to be output to MCI 0/1 = Pre-translated Number/Translated Number
			0	b ₆ - b ₇	Not used
	834			b ₀	0/1 = -/MC0 with LAN interface is used
				b ₁	0/1 = -/MC1 with LAN interface is used
			0	b ₂ - b ₇	Not used
	835-842	00			Not used
	843			b ₀ b ₁	Detection mode for SP down b ₀ b ₁ 0 0 = Detects when all SP-PHDs and SP-PHIs are down. (default) 0 1 = Not used 1 0 = Not used 1 1 = Not detect when all SP-PHDs and SP-PHIs are down.
			0	b ₂ - b ₄	Not used
				b ₅ - b ₇	The number of counts, which is recognized as SP down. 00: Two counts is applied (Default) 01-07: The number of the counts

Note 2: When ASYDL SYS1, Index 833, b0=0 (RS-232C interface for MCI) is assigned, either ICS or IMX text format for MCI output can be selected in b1. When b0=1 (LAN interface for MCI) is assigned, b1 data must be fixed to data 1=IMX format.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	844				The number of SR-MGCs to which office data copy from MGC to SR-MGC is executed per day. 01 ~ FF HEX. = 1 ~ 255 SR-MGCs (Index 845 is not required in this version.)
	845	00			
	846			b ₀	0/1 = Search terminals/Search terminals connected to Media Gateway
				b ₁	0/1 = -/Search terminals by LOC-ID
				b ₂	Changeover to SR-MGC is performed on both LAN1 and LAN2 sides of Telephony Server. Note 1 0 = only on LAN interface used by SR-MGC/NMS application port/ 1 = on both LAN interfaces
			0	b ₃	Not used
				b ₄	Terminals registered in SR-MGC are able to perform terminal reset by using the Visitor key. 0/1= Available / Not available
			0	b ₅ - b ₆	Not used
				b ₇	Method of specifying MGC when copying the office data. If MGC is configured redundant, the decision as to which MGC (MGC#0 or MGC#1) data will be copied depends on the following data assignment. However, Active-side data is always copied with the faster copy method regardless of this setting. Note 2 0/1=MGC#0(Note 3)/Active-side MGC(Note 4)

Note 1: Assign 1 for enabling the rescue by SR-MGC when a failure occurred only on LAN1 while MG(PRI) in Proprietary Protocol mode is operated on LAN2 port. The following conditions are required to enable this data setting:

- LAN1/LAN2 of Telephony Server is assigned to different segments (IP addresses)
- LOC-IDs are assigned per SR-MGC
- Assign 0 if the above conditions cannot be met. Otherwise, MG(PRI) in Proprietary Protocol mode may become unavailable due to the system conditions, such as during construction periods.

Note 2: When UMGi system is used as MGC, always assign as data "1".

Note 3: When MGC#0 is down, MGC#1 is specified.

Note 4: Even if the data files in MGC#0 and MGC#1 are identical, the different time stamps may be written into the data files because Standby-side MGC data is backed up after the backup of the Active-side MGC data. Therefore, the office data copy after the system changeover is available for the data files with different time stamps even if the data files are not updated.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	847			$b_0 - b_3$	Timer Counter for forceful switchover 0 = 70 minutes (Default) 1 = 5 minutes 2 = 10 minutes 3 = 15 minutes 4 = 20 minutes 5 = 25 minutes 6 = 30 minutes 7 = 35 minutes 8 = 40 minutes 9 = 45 minutes A = 50 minutes B = 55 minutes C = 60 minutes D = 65 minutes E = 70 minutes F = Forceful switchover is not executed while active calls remain.
				b_4	Alarm is sent before forceful switchover is executed 0/1=Not alarmed/Alarmed per minute
			0	b_5	Not used
				b_6	SR-MGC office data copy method (high-speed method/regular method) 0/1 = Auto (selects high-speed method if it is available; if not, selects regular method)/Fixed to regular method Note: If SSH is not available between an MGC and SR-MGC, set to 1 here. Note: Select Auto as the copying method for the SR-MGC office data (ASYDL Command, System Data 1, Index 847, b_6 : 0). Fixed to regular (b_6 : 1) cannot be used, therefore, assign [0] for this bit.
			0	b_7	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	848			$b_0 - b_3$	System Message output in the case of login password authentication failure in registration between IP Enabled Dterm and MGC. 0 = No system message is output 1-15 = Count of consecutive login failure, when system message is output
				b_4	Internal associated GW server 0/1 = Not available/Available
				b_5	TCP/IP trace format 0/1 = Worksheet style/Detailed information
				b_6	Internal FLF server/client 0/1 = Not available/Available
				b_7	Algorithm of Encryption for Registration Password Authentication service between IP Enabled Dterm and MGC. 0/1=MD5/Proprietary Protocol
	849 Note 1			b_0	Log for unsuccessful registration. 0/1 = Not available/Available
				b_1	Log for successful registration. 0/1 = Not available/Available
				b_2	Log demanding soft reset. 0/1 = Not available/Available
				b_3	Terminal failure log. 0/1 = Not available/Available
				b_4	Filter for eventlog feature (ARP). 0/1 = Not available/Available
				b_5	Filter for eventlog feature (ICMP). 0/1 = Not available/Available
				b_6	Filter for eventlog feature (TCP). 0/1 = Not available/Available
				b_7	Filter for eventlog feature (UDP). 0/1 = Not available/Available

Note 1: Since this data is set in EVLOG command, do not change settings in ASYDL command.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	850			$b_0 - b_7$	Health Check cycle (Note 1) between Telephony Server and SR-MGC. Note 3, Note 5 00 HEX. = 30 seconds (default) 01 ~ 0F HEX. = 15 seconds (Not allowed to set) 10 ~ FE HEX. = 16 ~ 254 seconds FF HEX. = Stop sending Health Check packet from Telephony Server to SR-MGC Note 2
	851			$b_0 - b_7$	Time-out to receive Health Check response from SR-MGC. Note 3 00 HEX. = 5 seconds (default) 01 ~ 05 HEX. = 5 seconds 06 HEX. ~ FE HEX. = 6 ~ 254 seconds FF HEX. = No error detection Note 2
	852			$b_0 - b_3$	Error Detection and determination of the number of times of Health Check error to consider the communication failure between Telephony Server and SR-MGC. Note 3 00 HEX. = Twice (default) 01 ~ 02 HEX. = Twice 03 ~ 0F HEX. = 3 ~ 15 times
				b_4	System Message output for [10-F] Communication Failure and [10-G] Communication Recovery between Telephony Server and SR-MGC. Note 4 0/1 = Out of service/In service
				b_5	IP Station Registration Changeover 0/1 = Manual/Automatic changeover
			0	$b_6 - b_7$	Not used
	853			$b_0 - b_7$	Default Port Number used for Health Check packet receiving between MGC and SR-MGC. (When the data is 00 HEX, 60110 is used.) Note 6, Note 7
	854			$b_0 - b_7$	
	855			$b_0 - b_7$	Call Base Table (CBT) polling cycle from MGC to SR-MGC. 00 HEX. = 5 seconds (default) 01 ~ FF HEX. = 1 ~ 255 seconds
	856			$b_0 - b_7$	Default Port Number used for Health Check packet sending between MGC and SR-MGC. (When the data is 00 HEX, 60120 is used.) Note 6
	857			$b_0 - b_7$	
	858			$b_0 - b_7$	Default Port Number used for SMDR information receiving between MGC and SR-MGC. (When the data is 00 HEX, 60140 is used.) Note 6
	859			$b_0 - b_7$	
	860			$b_0 - b_7$	Default Port Number used for SMDR information sending between MGC and SR-MGC. (When the data is 00 HEX, 60150 is used.) Note 6
	861			$b_0 - b_7$	

Note 1: It is recommended to assign at least 30 seconds (default) for Health Check cycle when 200 or more SR-MGC units are set for a Telephony Server.

Note 2: Do not assign this data because it is only for NEC engineers.

Note 3: In the case of Geographic Redundancy, it is performed between the following MGCs.

- Primary Node - Geo Redundant Node
- Primary Node (or Geo Redundant Node) - Survivable Remote Node
- Primary Node (or Geo Redundant Node) - SR-MGC

Note 4: In the case of Geographic Redundancy, it is performed between the following MGCs.

- Primary Node (or Geo Redundant Node) - Survivable Remote Node
- Primary Node (or Geo Redundant Node) - SR-MGC

Note 5: When this data is changed, perform the following steps:

STEP 1: Copy the office data to the connecting backup node (Geo Redundant Node/ Survivable Remote Node/SR-MGC).

STEP 2: Log in to Primary Node (*) and their backup node by PCPro, and then change any of the following system data:

- Time-out to receive Health Check response (ASYDL, SYS1, Index 851, Bit 0 to Bit 7)
- The number of times of error detection and determination of Health Check error to consider the communication failure (ASYDL, SYS1, Index 852, Bit 0 to Bit 3)

STEP 3: Change the system data for Health Check cycle (ASYDL, SYS1, Index 850, Bit 0 to Bit 7) in Primary Node (*).

STEP 4: Back up the office data using MEM_HDD command in Primary Node (*).

STEP 5: Copy the office data to all the back nodes from Primary Node (*).

*: When Geographic Redundancy is disabled, replace “Primary Node” with “Telephony Server.”

Note 6: Do not use these Indexes to change the Default Port Number. Be sure to use ADTM command.

Note 7: The Port Number assigned by Indexes 853 and 854 must correspond to the system data in both MGC and SR-MGC.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	862			b ₀ -b ₇	The cycle to check whether the SMDR information is stored on SR-MGC. 00 HEX. = 30 seconds (default) 01 ~ FE HEX. = 1 ~ 254 seconds FF HEX. = stop the check
	863		0	b ₀ -b ₁	Not used
				b ₂	Soft Phone - Other Party Information Readout 0/1 = Out of service/In service
				b ₃	LOC-ID of IPPAD (For UMGi/RNIP System) 0/1=Fixed to 0/Per network address
			0	b ₄ -b ₇	Not used
	864			b ₀	0/1 = Built-in IP, ACDP is not used/used Note 1
				b ₁	Output the system message [4-R] when TCP/IP connection is disconnected. 0/1 = Effective/Ineffective
				b ₂	AGENT ANYWHERE/OAI Terminal Anywhere 0/1=Out of service/In service Note: This data is effective only when Multiple ACDP/IP Service is used. Note: If this command is modified, the system must be initialized.
				b ₃	Multiple ACDP/IP 0/1 = Out of service/In service Note: If this command is modified, the system must be initialized.
				b ₄	Assign the maximum number of ports of Status Monitoring for terminal (SMFN). Note 2, Note 3 0/1 = Two ports/Eight ports (normal setting) Note: When Status Monitor Facility Request (SMFR) FN=126 is used, always assign 0 (two ports).
				b ₅	Clear Status Monitor Facility Notification (SMFN) when the FCCS Link down. Note 2, Note 3 0/1 = Clear (normal setting)/Not clear Note: Although this data is valid only when Index 864 b ₄ =1 (8 ports), this bit must be assigned as data "0" when Index 864 b ₄ =0 (2 ports).
				b ₆	FLF error detail indication 0/1 = Out of service/In service
			0	b ₇	Not used

- Note 1:** For ACD/OAI system to be activated through FCCS Network, this data is programmed in the node providing ACDP/IP only. Other data must be set to all nodes within FCCS Network. If this command is modified, the system must be initialized.
- Note 2:** The identical data value must be assigned to all nodes in the FCCS Network.
- Note 3:** Refer to “OAI System Restart Processing” in Data programming Manual - OAI for detailed information.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	865			b_0-b_7	Fusion Point Code (FPC) of the node providing IP. (Assign “0” when the ACD service is activated in the self node only) FPC: 1 ~ 253 (01 HEX - FD HEX) Note: This data is necessary at all nodes. Assign the self FPC at the terminating node.
	866			b_0-b_7	Fusion Point Code for Centralized ACDP Valid entries 1 - 253 (01 HEX - FD HEX) This index assigns the Centralized Fusion Point Code for ACDP. (For non-FCCS ACDP, assign “00”). Note: This data is necessary at all nodes. Assign the self FPC at the terminating node. Note: When OAI and ACD functions are used together in an FCCS Network, enter the same FPC value in Index 865 and 866. Note: If this command is modified, the system must be initialized.
	867			b_0	SMFN Release Notification (Abandoned) via Call Forwarding - Don't Answer 0/1 = Out of service/In service
			0	b_1-b_2	Not used
				b_3	Improvement of SCF6 Request for Monitor Connection in ACD feature 0/1 = Out of service/In service
			0	b_4-b_6	Not used
				b_7	16-digit OAI Station Number Information in Terminal Identifier 0/1 = Not valid/Valid
	868		0	b_0-b_3	Not used
				b_4	Call ID Notification (SMFR) 0/1 = Not Valid/Valid
				b_5	Fix Direct Inward Dialing number to 12 digits (SM-FR) 0/1=Invalid/Valid
			0	b_6-b_7	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	869		0	b ₀	Not used
				b ₁	ACD Holiday Schedule on Pilot Number basis 0/1 = Out of service/In service
			0	b ₂ -b ₅	Not used
				b ₆	Monitor Function for IP terminals 0/1 = Out of service/In service
				b ₇	Monitor Function for DtermIP-LAN 0/1 = Multi-path Connection/Single-path Connection
	870		0	b ₀ -b ₃	Not used
				b ₄	Improvement of SCF7 (Call Transfer) Note 1 0 = Out of service (Checking of transfer destination after Call Hold) 1 = In service (Checking of transfer destination before Call Hold)
			0	b ₅ -b ₇	Not used
	871		0	b ₀ -b ₄	Not used
				b ₅	IP Centrex for OAI 0/1 = Out of service/In service
				b ₆	SCF04 to UCD MCI change (North America only) 0/1 = Out of service/In service
			0	b ₇	Not used
	872	00			Not used

Note 1: When setting this data, consider the following:

- This data is available only when transfer destination is a station.
- When this data is not set, if switchback of speech path fails due to busy status of transfer destination, BT or RTP is generated.
- When this data is set, if transfer destination is busy, Station Hunting and Call Forwarding - Busy Line result in an error.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	873			b ₀	Restriction on the connection of PPN/Pilot number 0/1 = Allowed/Restricted Note: In an FCCS network (ACD Trunk for FCCS, Agent Anywhere, Multiple ACDPs, Multiple Agent Anywhere), assign the same data to all the nodes.
				b ₁	Restriction on the connection of Monitor 0/1 = Allowed/Restricted Note: In an FCCS network (ACD Trunk for FCCS, Agent Anywhere, Multiple ACDPs, Multiple Agent Anywhere), assign the same data to all the nodes.
				b ₂	UDP Viewer Output (North America only) 0/1 = Out of service/In service
				b ₃	Stack save to dbglogbuff[] (North America only) 0/1 = Out of service/In service
			0	b ₄ -b ₅	Not used
				b ₆	ACD Holiday Schedule (Schedule for type of reception services) 0/1 = Out of service/In service
				b ₇	Execution of SCF7 from the Call Hold by SCF12 0/1 = Out of service/In service
	874			b ₀	Multi-Path Monitor Connection 0/1 = Disabled/Enabled
				b ₁	Caller ID Display per split group 0/1 = Invalid/Valid Note: Not available in North America.
				b ₂	CCIS SMFN Indication 0/1 = Out of service/In service
				b ₃	ACDP Automatic Logoff 0/1 = Out of service (Default)/In service Note: Not available in North America.
				b ₄	CCIS Camp-on by SCF 19 for OAI System 0/1 = Out of service/In service
			0	b ₅ -b ₆	Not used
				b ₇	OAI Break-in feature 0/1 = Out of service/In service

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	875			b ₀	SMFN FN9 STS=01: Dial Number Notification (Call Forwarding) 0/1 = Out of service/In service
				b ₁	SMFN FN9 STS=02: Dial Number Notification (Busy) and 03: Dial Number Notification (ROT) 0/1 = Out of service/In service
				b ₂	Notification of Terminal Status Change by Call Back Call Back-CCIS 0/1 = Out of service/In service
				b ₃	OAI Forced break-in feature (toward Stations setting Privacy feature) 0/1 = Out of service/In service
			0	b ₄ -b ₇	Not used
	876			b ₀ -b ₃	Switchback Pause Timer when Transfer Call by SCF07 is unavailable. Note 1, Note 2, Note 3 0 = Out of service 1 = Not used 2~F = In service [n x 128milliseconds (n=2~15)]
			0	b ₄ -b ₇	Not used

Note 1: This data is available only when call forwarding destinations are stations or trunks. When switchback of speech path fails due to busy status of forwarding station, assign 2 or more.
*When switchback of speech path fails, BT or RTP is generated.

Note 2: Required Pause Timer value for switchback of speech path is depends on the network condition (256ms is recommended).

Note 3: When the intermediate party failed to transfer a call, the held station continues to hear music on hold until the switchback of speech path is complete. The time required for switchback of speech path is in proportion to the assigned Pause Timer value.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	877 Note 1		0	b ₀ -b ₃	Not used
				b ₄	Notification of Registration of the IP Stations 0/1 = Out of service/In service Note: Available since FP95-113 V3.
				b ₅	Alternate Termination to Voice Mail 0/1 = Out of service/In service Note: When using Alternate Termination to Voice Mail by OAI, assign b5 as 1.
				b ₆	Voice Mail for 2nd Party of SCF FN=3 0/1 = Out of service/In service Note: When using Alternate Termination to Voice Mail by OAI, assign b6 as 1.
				b ₇	Control Restriction for Voice Mail by SCF 0/1 = Not restricted/Restricted Note: When using Alternate Termination to Voice Mail by OAI, assign b7 as 1.
	878			b ₀	VNDM broadcasting when FCCS link is reestablished 0/1 = Enabled/Disabled
			0	b ₁ -b ₅	Not used
				b ₆	Notification of the current participant disconnection from the original call with the other two on hold 0 = SMFN FN=3 STS=0 (Normal release) 1 = SMFN FN=3 STS=4 (Disconnect from a Three-Way Call)
				b ₇	Call Hold/Retrieve During Three-Way Call by SCF 0/1 = Out of service/In service
	879	00			Not used

Note 1: When using this service in the FCCS network, assign the data by ASYDN.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	880		0	b ₀	SP-PHD activation 0 = Not valid (fixed to “0”)
				b ₁	Internal PHI-PRI/BRI activation 0/1 = Not valid/Valid
				b ₂	Internal PHC activation 0/1 = Not valid/Valid
				b ₃	Internal PHE activation 0/1 = Not valid/Valid
				b ₄	Internal PHF activation 0/1 = Not valid/Valid
				b ₅	SIP Handler activation 0/1 = Not valid/Valid
			0	b ₆ -b ₇	Not used
	881-883	00			Not used
	884			b ₀	PHI Re-transmission Timer 0/1 = 256 ms (default setting)/512 ms
			0	b ₁ - b ₇	Not used
	885		0	b ₀ -b ₆	Not used
				b ₇	SP (Signaling Processor) Implementation 0/1 = Invalid/Valid
	886-891	00			Not used
	892			b ₀ -b ₃	PHF Retransmission Timer 00hex=128ms 04hex=512ms 01hex=32ms 05hex=1024ms 02hex=64ms 06hex=2048ms 03hex=256ms
				b ₄	Retransmission Control 0/1 = Valid/Invalid
			0	b ₅ -b ₇	Not used
	893-894	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	895		0	$b_1 - b_2$	Not used
				b_3	Allows the user to overwrite the existing forwarding destination number with new one when setting CALL FORWARDING - I'M HERE. 0/1 = Out of service/In service
				b_4	Determines whether to use "#" or "*" as a character which indicates the completion of Station ID Codes. 0/1 = “#” is used as a character which indicates the completion of Station ID Codes/“*” is used as a character which indicates the completion of Station ID Codes
				b_5	To activate CALL BACK-CCIS [C-44] in the same operation with CALL BACK [C-1]. 0/1 = Out of service/In service
			0	$b_6 - b_7$	Not used
	896			$b_0 - b_7$	Fusion Point Code (FPC) of the node providing PMS.
	897			b_0	PMS Interface 0/1 = RS-232C/LAN
			0	$b_1 - b_3$	Not used
				b_4	ACK/NAK control while text sending/receiving in PMS LAN connection 0 = ACK/NAK control is invalid 1 = ACK/NAK control is valid
			0	$b_5 - b_7$	Not used
	898-915	00			Not used
	916				TCP Port Number for CS Report (When the data is 00H, 60080 is used.)
	917-926	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	927			b ₀ -b ₂	LAN Cable Layer 1 Fault Detection Monitor Timer of LAN3/LAN4 connector. Note 1
				b ₃	When the Layer 1 link disconnection at LAN3/LAN4 connector is detected, system changeover is; Note 1 0 = not executed 1 = executed
			0	b ₄ -b ₇	Not used

Note 1: The following shows the duration of time before starting system changeover.

Bit 3	Bit 2	Bit 1	Bit 0	Changeover Operation Time
1	0	0	0	Starts immediately, and ends about 12 seconds later.
1	0	0	1	Starts after 6-8 seconds, and ends about 12 seconds later.
1	0	1	0	Starts after 10-12 seconds, and ends about 12 seconds later. (Standard setting)
1	0	1	1	Starts after 16-17 seconds, and ends about 12 seconds later.
1	1	0	0	Starts after 20-22 seconds, and ends about 12 seconds later.
1	1	0	1	Starts after 26-27 seconds, and ends about 12 seconds later.
1	1	1	0	Starts after 30-32 seconds, and ends about 12 seconds later.
1	1	1	1	Starts after 37-38 seconds, and ends about 12 seconds later.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS										
			DATA 0/1	BIT											
1	928-951	00			Not used										
	952				IP Address (HEX) of STBY CPU (MGC) When default IP address (172.16.253.1) for the STBY CPU is used, this data setting is not necessary. Example: IP Address: 133.206.8.2										
	953														
	954														
	955														
					<table><tr><th>INDEX</th><th>Set HEX</th></tr><tr><td>952</td><td>85</td></tr><tr><td>953</td><td>CE</td></tr><tr><td>954</td><td>08</td></tr><tr><td>955</td><td>02</td></tr></table>	INDEX	Set HEX	952	85	953	CE	954	08	955	02
	INDEX	Set HEX													
	952	85													
	953	CE													
	954	08													
	955	02													
					Note: As IP address is determined by the ADTM command, do not assign by this ASYDL command.										
					Note: When the same IP address is set to both ACT and ST BY CPU, the TCP/IP on ST BY side is stopped.										
					Note: In order to make the change effective, office data back up by MEM_HDD and then TCP/IP module reset is required.										
				b ₀	External LAN Interface Mode Designation 0/1=Fixed/Auto negotiation										
				b ₁	External LAN Interface Speed Designation 0/1=10 Mbps/100 Mbps Note: Valid when b ₀ =0.										
			b ₂	External LAN Interface Duplex Designation 0/1=Half/Full Duplex Note: Valid when b ₀ =0.											
			0	b ₃ -b ₅ Not used											
			b ₆	TCP/IP Trace Data Output 0=Out of service 1=Output to System Message Printer Port Note: Valid when b ₇ =1.											
			b ₇	TCP/IP Module Warning Message Output 0=Out of service 1=Output the warning message to System Message Printer Port											

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																		
			DATA 0/1	BIT																			
1	957			b ₀ -b ₇	Network Data Memory (NDM) expanded memory block usage. Assign “1 (the memory block is used)” to the corresponding bit. <table><tr><th>bit</th><th>Memory Block</th></tr><tr><td>b₀</td><td>NDM Memory Block #8</td></tr><tr><td>b₁</td><td>NDM Memory Block #9</td></tr><tr><td>b₂</td><td>NDM Memory Block #10</td></tr><tr><td>b₃</td><td>NDM Memory Block #11</td></tr><tr><td>b₄</td><td>NDM Memory Block #12</td></tr><tr><td>b₅</td><td>NDM Memory Block #13</td></tr><tr><td>b₆</td><td>NDM Memory Block #14</td></tr><tr><td>b₇</td><td>NDM Memory Block #15</td></tr></table> Note: The data size is 2MB per memory block. Note: This Index is fixed to 00H except when Index 514 = FFH. Note: When the Network Data Memory is not enough, change the value from 01H → 03H → 07H → 0FH → 1FH → 3FH → 7FH → FFH. Avoid having a gap between memory blocks. Note: System Initialization is not required for changing this data. Note: To delete a memory block, execute the DDMO command and press the "Detail" button; a memory block can be deleted only when the Used-size of the relevant memory block (2MB) is 4,096 bytes.	bit	Memory Block	b ₀	NDM Memory Block #8	b ₁	NDM Memory Block #9	b ₂	NDM Memory Block #10	b ₃	NDM Memory Block #11	b ₄	NDM Memory Block #12	b ₅	NDM Memory Block #13	b ₆	NDM Memory Block #14	b ₇	NDM Memory Block #15
bit	Memory Block																						
b ₀	NDM Memory Block #8																						
b ₁	NDM Memory Block #9																						
b ₂	NDM Memory Block #10																						
b ₃	NDM Memory Block #11																						
b ₄	NDM Memory Block #12																						
b ₅	NDM Memory Block #13																						
b ₆	NDM Memory Block #14																						
b ₇	NDM Memory Block #15																						

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	958			b ₀	Notification of RTP packet loss for IPPAD. A System Message is output when: 0 = Receiving one RTP packet loss error 1 = Receiving 32 RTP packet loss errors
				b ₁	System Message [33-R] IP PKG Warning, FNC=06, INF=01, FLT=01 (detect the fault of PHL/IPPAD) is output when PM lock up or C-level Infinite Loop occurs on PHL (PHE) card or IPPAD. 0/1 = In service/Out of service
			0	b ₂ -b ₃	Not used
				b ₄ -b ₆	Transaction Timer for external LAN 2 continuous failure on PCI card. Failure message is sent from external LAN 2 to SP to request CPU changeover when the number of failure reaches the value assigned here. Recommended value is 10 seconds (b ₆ =0, b ₅ =1, b ₄ =0). 0 - 7 counts (1 count = 5 seconds, supervising 0 - 35 seconds to detect external LAN 2 failure) Note: This data is valid when b ₇ =1. The Transaction Timer is not activated if any failure occurs on Layer 2 or higher part simultaneously during supervising external LAN 2.
				b ₇	CPU changeover activation when LAN 2 Connector failure occurs. 0/1 = CPU changeover is not activated/Activated
	959				Health Check cycle of IP terminals accommodated on PHD. 00 HEX=60 seconds (default) 01-FE HEX = 1-254 seconds FF HEX = Health Check stop -between PHD and IP terminal:system data set value -between MGC and PHD:system data set value×1.5
	960	00			Not used
	961			b ₀ - b ₃	Message sending cycle to request the state of each IMG. 0 = 2 seconds 1 = 5 seconds 2 = 10 seconds 3 = 30 seconds 4 = 1 minutes 5 = 3 minutes 6 = 5 minutes 7 = 10 minutes 8-15 = 2 seconds
			0	b ₄ - b ₇	Not used
	962	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	963			b_0	SMTP Authentication (CRAM-MD5) 0/1=Out of service/In service
			0	$b_1 - b_3$	Not used
				b_4	LENS Display for System Message SNMP Trap Notice. 0: Does not display LENS in Notice strings. 1: Display LENS in Notice strings.
				b_5	Office Name Display for System Message SNMP Trap Notice. 0: Does not display Office Name in Notice strings. 1: Display Office Name in Notice strings.
				b_6	Specific Trap type for System Message SNMP Trap Notice 0: Specific Trap type to be the Lamp kind <u>Specific Trap type</u> <u>Kind</u> 1 MJ Lamp 2 MN Lamp 3 SUP Lamp 4 No Lamp 1: Specific Trap type to be the Fault Code Kind Specific Number XXYY (Decimal) XX: Value between 00-37 (Indicates the Top two digits of Fault Code) YY: Value between 1-26 (Indicates the alphabet of Fault Code) <Example 1>: Reset Interrupt fault • Fault Code: = 0 - C • Specific Number = 3 (0 × 100 + 3) <Example 2>: System Initialization • Fault Code: = 7 - B • Specific Number = 702 (7 × 100 + 2)
				b_7	0: Fix to 1.3.6.1.4.119.2.3.76.2.2.1.0 1: Divide Alarm lamp into below 4 kinds. • MJ Lamp: 1.3.6.1.4.119.2.3.76.2.7.1.0 • MN Lamp: 1.3.6.1.4.119.2.3.76.2.7.2.0 • SUP Lamp: 1.3.6.1.4.119.2.3.76.2.7.3.0 • No Lamp: 1.3.6.1.4.119.2.3.76.2.7.4.0

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	964				System Message Report Filtering function for E-mail $\underline{b_1} \quad \underline{b_0}$ 0 0 = All messages will be output 0 1 = Supervisory lamp or higher 1 0 = Minor lamp or higher 1 1 = Major lamp
				$b_0 - b_1$	
					System Message Report Filtering function for SNMP Manager $\underline{b_3} \quad \underline{b_2}$ 0 0 = All messages will be output 0 1 = Supervisory lamp or higher 1 0 = Minor lamp or higher 1 1 = Major lamp
				$b_2 - b_3$	
					System Message Report Filtering function for EVLOG command Console $\underline{b_5} \quad \underline{b_4}$ 0 0 = All messages will be output 0 1 = Supervisory lamp or higher 1 0 = Minor lamp or higher 1 1 = Major lamp
				$b_4 - b_5$	
			0	$b_6 - b_7$	Not used
				b_0	SNMP activation 0/1=Out of service/In service
	965			b_1	FTP server activation Note 1 0=Out of service 1=In service (Not allowed to set)
				b_2	RIP 0/1=Out of service/In service
				b_3	Internal Claim Handling Server 0/1=Disable/Enable
				b_4	Terminal Remote Login 0/1=Out of service/In service
				b_5	System Message automatic output to SNMP-Trap. Note 2 0/1=Out of service/In service
				b_6	Debug Console Output 0/1=Out of service/In service
				b_7	System Message automatic output to e-mail. Note 2 0/1=Out of service/In service
	966-969	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	970-973	00			Not used
	974				TCP Port Number used for MAT communications. (When the data is 00H, 60000 is used.) Note 3
	975				
	976				TCP Port Number used for SMDR communications. (When the data is 00H, 60010 is used.) Note 3
	977				
	978				TCP Port Number used for MCI communications. (When the data is 00H, 60020 is used.) Note 3
	979				
	980				TCP Port Number used for OAI communications. (When the data is 00H, 60030 is used.) Note 3
	981				
	982				TCP Port Number used for MIS communications. (When the data is 00H, 60040 is used.) Note 3
	983				
	984				TCP Port Number used for PMS communications. (When the data is 00H, 60050 is used.) Note 3
	985				
	986				TCP Port Number used for NMS communications. (When the data is 00H, 60060 is used.) Note 3
	987				
	988				Registration Port Number assigned/changed by ADTM command. Note 3
	989				
	990				Inter-MGC Communication Port Number. (When the data is 00H, 60001 is used.) Note 3
	991				

Note 1: Index 965 b1: Assign 0 since this system data is for IPX/SV7000 (this is not available for SV9500).

Note 2: Index 965 b5 and b7: By setting both bits to 1, the same system message can be output to MAT, e-mail, and SNMP-Trap simultaneously.

Note 3: Indexes 965 - 991: Do not use these indexes to assign the port number. Be sure to use ADTM command.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	992 - 995	00			Note used.
	996			b ₀	Speech Log Collection Note 4 0/1 = Out of service/In service
				b ₁	0/1=~/Speech Log Output for SNMP Note 4 Note: This bit is available when b ₀ =1. Note: To output communication log for SNMP, refer to Configuration of SNMP Manager and Agent in Operations and Maintenance Manual.
				b ₂	Fault Log System Message Output 0/1 = In service/Out of service Note: Regardless of b ₂ data, system messages will be output immediately after registry. To stop this immediate message after registry, set b ₃ = 1
				b ₃	Fault Log System Message Output - Immediate after Registry 0/1=Output/Not Output
				b ₄	Number of times to read out fault log 0/1=performed once a day /performed periodically
				b ₅	0/1=~/Fault log is read out periodically
				b ₆	RTP Warning Tone Filter Note 4 0/1=Disable/Enable
				b ₇	Received RTP Packet Loss Filter Note 4 0/1=Disable/Enable
	997			b ₀ -b ₇	Fault Log Retrieval Period 00: 30 seconds 01-FF: 1-255 (×15 seconds) Note: Because the consecutive retrieval is performed in a cycle of one second, a value set on SYS1, Index 997 × 15 must be equal or larger than one set on SYS1, Index 998.

Note 4: This data is necessary for filter settings when Call Log Filter feature (available from FP95-114 V4) is enabled. However, use the ACLFL command for this setting, do not use the ASYDL command.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	998			b_0 - b_7	A maximum of consecutive retrieval for fault log 00: 8 (Default) 01-FF: 1-255 Note: Because the consecutive retrieval is performed in a cycle of one second, a value set on SYS1, Index 997×15 must be equal or larger than one set on SYS1, Index 998.
	999		0	b_0	Not used
				b_1	
				b_2	System Message [35-K] Output for IP Equipment Health Check Error Report 0/1 = Out of service/In service Note: When ASYDL, SYS1, Index 999, Bit 2=1 is set, detailed information is output by System Message 35-K will be output instead of Health Check Error by System Message 33-S.
				b_3	Call Log Filter 0/1 = Out of service/In service Note: Note the following: • Available from FP95-114 V4. • When this feature is in service, use the ACLFL command for Call Log output configuration. Do not use the ASYDL command.
			0	b_4 - b_7	Not used
	1000			b_0 - b_7	Threshold for Received RTP Packet Loss Filter 01-FF = 1-255 Note: This data is necessary for filter settings when Call Log Filter feature (available from FP95-114 V4) is enabled. However, use the ACLFL command for this setting, do not use the ASYDL command.
	1001 -1016	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1017			b ₀	PH registration for MG. 0 = Register to SP-PHI 1 = Register to Internal PHI Note: When b ₀ = 0: When the target MG resets while SP-PHI is in operation, it will preferentially register to the SP-PHI. If the SP-PHI is not in operation when the target MG tries to register, it will register to the Internal PHI (of the TP) if assigned. Note: When b ₀ = 1: The target MG will only register to the Internal PHI.
			0	b ₁ -b ₇	Not used
	1018 -1019	00			Not used
	1020			b ₀	Fax protocol setting to use T.30 mode for IPPAD and MC. 0 = G.711 BYPASS Fax mode (data transmission as voice data) connection 1 = T.30 mode Note: This system data is used to make T.30 mode for Fax connection via IPPAD and MC effective.
			0	b ₁ - b ₆	Not used
				b ₇	Expansion of Links to Internal PHC 0/1=Disable/Enable Note: Available since FP95-112 V2. Note: When this feature is enabled, up to 252 simultaneous client/server connections are available. When it is disabled, up to 64 simultaneous client/server connections are available. The maximum number of simultaneous client/server connections is specified with AGIP command.
	1021-1025	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1026 Note 1			b ₀	UNIT 0-1 use on MG00 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG00 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG01 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG01 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG02 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG02 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG03 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 2-3 use on MG03 0/1=UNIT invalid/UNIT valid
	1027 Note 1			b ₀	UNIT 0-1 use on MG04 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG04 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG05 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG05 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG06 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG06 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG07 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 2-3 use on MG07 0/1=UNIT invalid/UNIT valid

Note 1: Set to 1 for the corresponding bit(s) when the PIR or VPIR is in use. See also ASYDL, SYS1, Index556/Index557. As for the UMGi/RNIP system, see also ASYDL, SYS1, Index556 to Index563.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1028 Note 2			b ₀	UNIT 0-1 use on MG08 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG08 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG09 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG09 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG10 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG10 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG11 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 0-1 use on MG11 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
	1029 Note 2			b ₀	UNIT 0-1 use on MG12 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG12 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG13 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG13 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG14 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG14 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG15 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 0-1 use on MG15 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid

Note 2: Set to 1 for the corresponding bit(s) when the PIR or VPIR is in use. See also ASYDL, SYS1, Index556 to Index563.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1030 Note 3			b ₀	UNIT 0-1 use on MG16 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG16 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG17 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG17 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG18 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG18 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG19 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 2-3 use on MG19 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
	1031 Note 3			b ₀	UNIT 0-1 use on MG20 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG20 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG21 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG21 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG22 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG22 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG23 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 2-3 use on MG23 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid

Note 3: Set to 1 for the corresponding bit(s) when the PIR or VPIR is in use. See also ASYDL, SYS1, Index556 to Index563.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1032 Note 4			b ₀	UNIT 0-1 use on MG24 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG24 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG25 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG25 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG26 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG26 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG27 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 2-3 use on MG27 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
	1033 Note 4			b ₀	UNIT 0-1 use on MG28 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₁	UNIT 2-3 use on MG28 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₂	UNIT 0-1 use on MG29 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₃	UNIT 2-3 use on MG29 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₄	UNIT 0-1 use on MG30 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₅	UNIT 2-3 use on MG30 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₆	UNIT 0-1 use on MG31 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid
				b ₇	UNIT 2-3 use on MG31 (For UMGi/RNIP system) 0/1=UNIT invalid/UNIT valid

Note 4: Set to 1 for the corresponding bit(s) when the PIR or VPIR is in use. See also ASYDL, SYS1, Index556 to Index563.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1034			b_0	Virtual Register Ineffective Hold Detect (ROUTINE DIAGNOSIS) 0/1 = No/Yes Note: When this feature is enabled, Trunk Ineffective Hold Detect (ASYD, SYS1, Index 89, bit4) and Trunk Ineffective Hold Release (ASYD, SYS1, Index 89, bit5) are also executed.
			0	$b_1 - b_7$	Not used
	1035 -1077	00			Not used
	1078			b_0	Number of PHF Retransmissions $b_3 \quad b_2 \quad b_1 \quad b_0$ 0 0 0 0 = 1 time (Standard) 0 0 0 1 = 1 time 0 0 1 0 = 2 times 0 0 1 1 = 3 times 0 1 0 0 = 4 times 0 1 0 1 = 5 times (Maximum) Note: Other than the above data must not be assigned.
				b_1	
				b_2	
				b_3	
			0	$b_4 - b_7$	Not used
	1079 -1082	00			Not used
	1083		0	b_0	Not used
				b_1	Peer to Peer Bandwidth Control [P-75] 0/1 = Enabled/Disabled
			0	$b_2 - b_7$	Not used
	1084 -1087	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1088			b ₀	Advice of Charge (AOC) Terminal Indication Format for EMEA 0/1 = -/EMEA format Note: Available for EMEA only.
				b ₁	Destination of Call Back-Out of Zone 0/1 = MA Station/Destination Station of Call Forwarding - Busy Line set to MA Station Note: Available for EMEA only.
				b ₂	Ringing Tone during Busy Status of Boss's Telephone 0/1 = Ring/Not ring
				b ₃	Preference for the timing of a RELEASE message when a DISCONNECT message with Progress Indicator = 1 or 8 is received and Fault Cause No. is either 16 (Normal clearing) or 17 (User busy) or no Fault Cause data exists. 0 = After 30 seconds 1 = Immediately Note: In the case other than the above, a RELEASE message is sent immediately after a DISCONNECT message is received. Note: Available for EMEA only.
				b ₄	Multi-Boss/Multi-Secretary Away per Boss Feature 0/1=Disable/Enable
				b ₅	Extended Addressing/COLP Feature 1 0/1=Disable/Enable
				b ₆	Extended Addressing/COLP Feature 2 0/1=Disable/Enable Note: Available when ASYDL SYS1 Index1088 Bit 5 = 1.
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																		
			DATA 0/1	BIT																																			
1	1089			b ₀ -b ₂	The number of Stand-In Secretary’s Stations to be used with MULTI-BOSS/MULTI-SECRETARY Overriding from a Stand-In Secretary <table border="1"><thead><tr><th>BIT2</th><th>BIT1</th><th>BIT0</th><th>Stand-In Secretaries</th></tr></thead><tbody><tr><td>0</td><td>0</td><td>0</td><td rowspan="3">Secretaries 1 - 2 (Default Setting)</td></tr><tr><td>0</td><td>0</td><td>1</td></tr><tr><td>0</td><td>1</td><td>0</td></tr><tr><td>0</td><td>1</td><td>1</td><td>Secretaries 1 - 3</td></tr><tr><td>1</td><td>0</td><td>0</td><td>Secretaries 1 - 4</td></tr><tr><td>1</td><td>0</td><td>1</td><td>Secretaries 1 - 5</td></tr><tr><td>1</td><td>1</td><td>0</td><td>Secretaries 1 - 6</td></tr><tr><td>1</td><td>1</td><td>1</td><td>Secretaries 1 - 7</td></tr></tbody></table> Note: This data is valid when ASYDL, System Data 1, Index 1089 bit 3=1 is set.	BIT2	BIT1	BIT0	Stand-In Secretaries	0	0	0	Secretaries 1 - 2 (Default Setting)	0	0	1	0	1	0	0	1	1	Secretaries 1 - 3	1	0	0	Secretaries 1 - 4	1	0	1	Secretaries 1 - 5	1	1	0	Secretaries 1 - 6	1	1	1	Secretaries 1 - 7
			BIT2			BIT1	BIT0	Stand-In Secretaries																															
			0			0	0	Secretaries 1 - 2 (Default Setting)																															
			0			0	1																																
			0			1	0																																
			0			1	1	Secretaries 1 - 3																															
1	0	0	Secretaries 1 - 4																																				
1	0	1	Secretaries 1 - 5																																				
1	1	0	Secretaries 1 - 6																																				
1	1	1	Secretaries 1 - 7																																				
	b ₃	MULTI-BOSS/MULTI-SECRETARY Overriding from a Stand-In Secretary 0/1=Out of Service/In Service																																					
	b ₄	MULTI-BOSS/MULTI-SECRETARY Overriding from a Secretary’s Call Forwarding Destination 0/1=Out of Service/In Service																																					
	b ₅	MULTI-BOSS/MULTI-SECRETARY Boss’ Call Forwarding Activate 0/1=Out of Service/In Service																																					
	b ₆	MULTI-BOSS/MULTI-SECRETARY Multi Line Op-eration 0/1=In Service/Out of Service																																					
0	b ₇	Not used																																					

Note: This data is valid when ASYDL, System Data 1, Index 1089 bit 3=1 is set.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1090 -1119	00			Not used
	1120			b ₀	Day/Night Data Automatic Backup 0/1 = Out of service/In service
				b ₁	Backup Cycle b ₃ b ₂ b ₁
				b ₂	
				b ₃	
				b ₄	Standard Time (hour) for Starting Backup 0/1 = 0/1
				b ₅	Standard Time (minutes) for Starting Backup 0/1 = 0/30
			0	b ₆ - b ₇	Not used
	1121			b ₀	Day/Night data table for ATDPEN Note 1 0/1=Common/Separate
				b ₁	Day/Night data table for ATDPEN in tandem connec- tion Note 1 0/1=Common/Separate
			0	b ₂ -b ₇	Not used
	1122- 1124	00			Not used

Note 1: When ATDPN command is used for toll call restriction data setting, be sure to assign the same value on Network Control Node (NCN) and Local Nodes (LN).

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1125		0	b ₀	Not used
				b ₁	Re-routing for legacy terminal/IP Station in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for legacy terminal/IP Station, Virtual Line.
				b ₂	Re-routing for PS/SP Controlled Standard SIP terminal, WLAN Handset (MH Series) in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for PS/SP-Controlled Standard SIP terminal, WLAN Handset (MH Series).
				b ₃	Provides a beep when call is automatically rerouted in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for legacy terminal/IP Station, PS.
				b ₄	Re-routing when receiving a call on Virtual Line in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for Virtual Line.
			0	b ₅	Note used.
				b ₆	Re-routing of TIE Line incoming call in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for TIE Line incoming call.
				b ₇	Re-routing of C.O. incoming call in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for C.O. incoming call.
	1126-1130	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1131			b ₀	Day/Night Mode Status Display on LED of Day/ Night Mode key 0/1=Out of service/In service
			0	b ₁ -b ₃	Not used
				b ₄	16-Digit Dial Plan Support for CCIS over IP (PHC) 0/1=In service/Out of service
				b ₅	Display of Telephone Number when seven or more digits is specified for Telephone Number 0/1=Display/Non-Display
			0	b ₆	Not used
			0	b ₇	
	1132				Not used
	1133			b ₀	Flexible Network Re-routing 0/1=Out of service/In service
				b ₁	Flexible Network Re-routing - Attendant 0/1=Out of service/In service Note: Set this bit to enable this feature for attendant incoming calls.
				b ₂	Flexible Network Re-routing - FCCS link all busy 0/1=Out of service/In service.
			0	b ₃ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1134			b ₀ -b ₇	MA-ID for Attendant Console (Least Significant Byte) Example: For MA-ID=16, set Index 1134=10 (Hex), Index 1135=00 (Hex)
	1135			b ₀ -b ₇	MA-ID for Attendant Console (Most Significant Byte) Example: For MA-ID=16, set Index 1134=10 (Hex), Index 1135=00 (Hex)
	1136			b ₀	Setting of UGN data separation for NDM of APBKN command. 0/1=Individual/Common Note: Available for FP95-112 V2 or later.
			0	b ₁ -b ₇	Not used
	1137-1139	00			Not used
	1140		0	b ₀	Not used
				b ₁	Assignment of Boss Line to Secretary Terminal's Sub Line enabled. 0/1 = Out of service/In service
				b ₂	Group Number Expansion for Multi Boss Secretary Group 0/1 = Out of service/In service
			0	b ₃ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1141-1143	00			Not used
	1144			b ₀	Physical Station Number Calling Restriction 0/1 = Out of service/In service
			0	b ₁ -b ₂	Not used
				b ₃	Look Ahead Routing - CCIS 0/1 = In service/Out of service
			0	b ₄	Not used
				b ₅	Voice Call to a Desktop terminal in the headset mode 0/1 = Out of service/In service
				b ₆	Codec Change function 0/1 = Out of service/In service
				b ₇	Look Ahead Routing - CCIS in the event of tandem connection restriction, destination trunk busy, or incoming trunk busy when alternate routing on the originating node is enabled 0/1 = In service/Out of service
	1145		0	b ₀ -b ₃	Not used
				b ₄	C.O. call Information during using MG-SIP TIE Line 0/1 = Not stored/Stored
				b ₅	MG (SIP) Guard Timer for Consecutive Incoming Calls 0/1 = Invalid/Valid Note: Value of Guard Timer for Incoming Call is always same as value of Guard Timer for Outgoing Call, so set the value of Guard Timer for Outgoing Call (ASYD SYS1 Index 474, b4-6) when setting the value of the value of Guard Timer for Incoming Call.
			0	b ₆ -b ₇	Not used
	1146		0	b ₀ -b ₆	Not used
				b ₇	Assign trigger numbers and sequence numbers when EVLOG is output 0/1 = Invalid/Valid
	1147-1151	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS										
			DATA 0/1	BIT											
1	1152				IP Address (HEX) for Node over External LAN2										
	1153				Note: This data is valid when the Node is connected to the external PC.										
	1154														
	1155					IP address (0.0.0.0) becomes valid when no data is assigned here and LAN2 port turns inoperative. Example: IP Address: 133. 206. 8. 1									
					<table><tr><th>INDEX</th><th>Set HEX</th></tr><tr><td>1152</td><td>85</td></tr><tr><td>1153</td><td>CE</td></tr><tr><td>1154</td><td>08</td></tr><tr><td>1155</td><td>01</td></tr></table>	INDEX	Set HEX	1152	85	1153	CE	1154	08	1155	01
	INDEX	Set HEX													
	1152	85													
	1153	CE													
	1154	08													
	1155	01													
				Note: As this data is determined by the ADTM command, be sure not to assign by this ASYDL command.											
				Note: In order to make the change effective, office data back up by MEM_HDD command and then TCP/IP module reset is required.											
1156				Subnet Mask (HEX) for Node over External LAN2											
1157				Note: This data is valid when the Node is connected to the external PC.											
1158															
	1159				When the indexes are all 00H, the subnet mask becomes 255.255.0.0. Example: Subnet Mask: 255.255.255.0										
					<table><tr><th>INDEX</th><th>Set HEX</th></tr><tr><td>1156</td><td>FF</td></tr><tr><td>1157</td><td>FF</td></tr><tr><td>1158</td><td>FF</td></tr><tr><td>1159</td><td>00</td></tr></table>	INDEX	Set HEX	1156	FF	1157	FF	1158	FF	1159	00
INDEX	Set HEX														
1156	FF														
1157	FF														
1158	FF														
1159	00														
					Note: As this data is determined by the ADTM command, be sure not to assign by this ASYDL command.										
					Note: In order to make the change effective, office data back up by MEM_HDD command and then TCP/IP module reset is required.										

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1160- 1184	00			Not used
	1185		0	b ₀ - b ₃	Not used
				b ₄	SSF Monitoring Information Clear when the applica- tion is disconnected 0/1 = Valid/Invalid
				b ₅	SMFN of Call Hold/Retrieve During Three-Way Call 0/1 = Out of service/In service
			0	b ₆ - b ₇	Not used
	1186		0	b ₀ - b ₅	Not used
				b ₆	Automatic VNDM Reestablishment 0/1 = In service /Out of service
				b ₇	SMFR/SSFM Restriction During Subscribe Transfer 0/1 = Out of Service/ In Service Note: Available since FP95-113 V3.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1187				Number of Monitor Numbers to Use (Up to 48000) <u>b3 b2 b1 b0</u> : NMI 0 0 0 0 : 4095 0 0 0 1 : 8191 0 0 1 0 : 12287 0 0 1 1 : 16383 0 1 0 0 : 20479 0 1 0 1 : 24575 0 1 1 0 : 28671 0 1 1 1 : 32767 1 0 0 0 : 36863 1 0 0 1 : 40959 1 0 1 0 : 45055 1 0 1 1 : 48000 1 1 0 0 : 48000 1 1 0 1 : 48000 1 1 1 0 : 48000 1 1 1 1 : 48000 Note: Not available in North America.
				b ₄	Port Number of Service Status Facility Monitoring (SSFM) and Service Status Facility Notification (SS-FN) 0/1 = Two ports/Eight ports (normal setting) Note: The identical data value must be assigned to all nodes in the FCCS Network.
			0	b ₅	Not used
				b ₆	ETSI Addressing for OAI 0/1 = Out of service/In service
				b ₇	SCF20 monitor support 0/1 = In service /Out of service

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1188			b ₀	Calling party number selection function with SCF and extended function of SCF (FN=128) <u>b₁ b₀</u> 0 0 : Out of service 1 0 : Out of service 0 1 : Out of service 1 1 : In service Note: If 0 (disable) is specified in either Bit0 or Bit1, this feature doesn't work. If you want to enable this feature, set 1 (enable) to Bit0 and Bit1 both.
				b ₁	
			0	b ₂ - b ₄	
				b ₅	
				b ₆	
				b ₇	
	1189			b ₀	Quick automatic restart of monitoring when a monitored Agent retrieves the held call. 0/1 = Out of service/In service Note: Available only when Monitoring is used.(Not available when Monitor Me or Emergency/Recorder is used.) Note: Until resumption of monitoring, the supervisor's position continues ringing.
			0	b ₁ - b ₇	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1190		0	$b_0 - b_6$	Not used
				b_7	Improvement of ACDP Processing Performance 0/1 = In service/Out of service Note: Not available in North America.
	1191		0	b_0	Not used
				b_1	Logical Port Assignment 0/1 = Out of service/In service Note: Not available in North America.
			0	$b_2 - b_7$	Not used
	1192		0	$b_0 - b_3$	Not used
				b_4	Maximum Number of ACD Overflows 0 = 3 times 1 = 9 times Note: If this command is modified, the system must be initialized.
			0	b_5	Not used
				b_6	Flexible Split Membership 0/1 = Out of Service/In service
				b_7	Work Mode Setting with Flexible Split Membership 0/1 = Out of Service/In service

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1193			b ₀	ACDP Quick Initialization 0/1 = Out of service/In service Note: Not available in North America.
				b ₁ - b ₃	Copying Cycle of VNDM to ST-BY side <u>b₃ b₂ b₁</u> 0 0 0 : 5 minutes (default) 0 0 1 : 30 seconds 0 1 0 : 1 minute 0 1 1 : 3 minutes 1 0 0 : 5 minutes 1 0 1 : 10 minutes 1 1 0 : 30 minutes 1 1 1 : 60 minutes Note: Not available in North America.
				b ₄	SR-MGC Saving Method 0/1= ACD/UCD
				b ₅	Use of Infolink message by non-supported facility version 1 0/1 = Out of service/In service Note: This data is normally fixed to 0.
				b ₆	Infolink Routing Control before RBT Connection 0/1 = With control/Without control
				b ₇	ACDP Retrofit 0 = Out of service (Up to 15000 Agents) 1 = In service (Up to 2000 Agents) Note: Not available in North America. Note: If this command is modified, the system must be initialized.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1194			b ₀	Extension of Programmable Announcement Messages 0/1 = Disabled/Enabled Note: When ACD Trunk for FCCS is used, this feature is only available via FCCS over IP network. (Not available via DTI-FCCS.) Note: This feature must be disabled in the system using Attendant services.
				b ₁	Break Type Expansion 0 = 9 break types (default) 1 = 99 break types Note: System initialization is not required when you change this data.
				b ₂	SR-MGC for OAI Assign this system data to Telephony Server that is the subject of the rescue by SR-MGC using the OAI facilities or Infolink messages. 0/1 = Out of Service/In Service
				b ₃	Restriction of Monitoring Hot Split 0/1 = Restrict/Not Restrict Note: Normally, this data is fixed to 0 (Restrict).
				b ₄	VS32 Announcement Multiple Connection 0/1 = Disabled/Enabled
				b ₅ - b ₇	VS32 Release Guard Timer <u>b₇ b₆ b₅</u> 0 0 0 : 1 second (default) 0 0 1 : 2 seconds 0 1 0 : 4 seconds 0 1 1 : 6 seconds 1 0 0 : 8 seconds 1 0 1 : 8 seconds 1 1 0 : 8 seconds 1 1 1 : 8 seconds
	1195		0	b ₀ - b ₂	Not used
				b ₃	Sending SMFN answer notification (FN = 2) when the consulted party releases the consultation call 0/1 = Enabled/Disabled
			0	b ₄ - b ₇	Not used
	1196-1198	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1199		0	b ₀	Not used
				b ₁	Sound to be sent at the end of ACD announcement 0 = Music On Hold (MOH) 1 = Ringback Tone (RBT) Note: Available since FP95-112 V2.
				b ₂	Connection display control from PCPro 0/1 = Disabled/Enabled Note: Available since FP95-112 V2. Note: This feature is not available in North America.
			0	b ₃	Not used
				b ₄	ACD Incoming Pilot Number Restriction - ACD [A-145A] 0/1 = Disabled/Enabled Note: Available since FP95-112 V2. Note: This feature is not available in North America.
				b ₅	Restriction on SCF (FN=17) during Consultation Hold 0/1 = Disabled/Enabled Note: Be sure to assign "1" to use SCF (FN=17).
				b ₆	Restriction of Monitor Release by IHo 0/1 = Disabled/Enabled Note: Available since FP95-113 V3. When this system data is assigned "1", use the Infolink Message "IHn" to release the monitoring. Note: Not supported in North America.
				b ₇	UAP/MIS connection for system in standby mode: 0/1 = Not restricted/Restricted

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1200		0	b ₀	Not used
				b ₁	Auto Break of Hot position with Standard SIP-IVR 0/1 = Disabled/Enabled Note: Available since FP95-113 V3. Note: Not supported in North America.
			0	b ₂ - b ₄	Not used
				b ₅	Output of SMFN Messages for Call Park Group -D [C-176D] 0/1 = Disabled/Enabled Note: Available since FP95-113 V3.
				b ₆	Notification of IP Station Type (SMFR/SMFN) 0/1 = Enabled/Disabled Note: Available since FP95-114 V4.
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1201				Timer option for automatic ACDP reset / UAP disconnect in UMGi system with Geographic Redundancy. <u>b3 b2 b1 b0</u> 0 0 0 0 : 3 minutes (default) 0 0 0 1 : 1 minute 0 0 1 0 : 2 minutes 0 0 1 1 : 3 minutes 0 1 0 0 : 4 minutes 0 1 0 1 : 5 minutes 0 1 1 0 : 6 minutes 0 1 1 1 : 7 minutes 1 0 0 0 : 8 minutes 1 0 0 1 : 9 minutes $b_0 - b_3$ 1 0 1 0 : 10 minutes 1 0 1 1 : 11 minutes 1 1 0 0 : 12 minutes 1 1 0 1 : 13 minutes 1 1 1 0 : 14 minutes 1 1 1 1 : 0 minutes (immediately) Note: Available since FP95-112 V2. Note: Supported in North America only. Note: This timer is specified only for automatic IP/ACDP reset to be executed after Primary Node (CCN)/Geo Redundant Node (CCN) has been switched to operating mode. Note: Use the default value unless otherwise necessary.
				b_4	Insertion of ISDN Disconnect Cause Information in SMFN Release Notification (FN = 3) 0/1 = Disabled/Enabled Note: Available since FP95-114 V4.
			0	$b_5 - b_7$	Not used
	1202	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1203			b ₀	IP/ACDP reset mode in Geographic Redundancy setting. 0/1 = Automatic/Manual Note: Available since FP95-112 V2.
				b ₁ - b ₃	ACD Work Memory Clear Timer <u>b₃ b₂ b₁</u> 0 0 0 : 12 seconds (default) 0 0 1 : 14 seconds 0 1 0 : 16 seconds 0 1 1 : 18 seconds 1 0 0 : 20 seconds 1 0 1 : 22 seconds 1 1 0 : 24 seconds 1 1 1 : 26 seconds Note: Available in North America only.
			0	b ₄ - b ₇	Not used
	1204-1215	00			Not used
	1216			b ₀ - b ₂	UMGi/RNIP re-transmission timer (For UMGi/RNIP system) <u>b₂ b₁ b₀</u> 0 0 0 : 128ms 0 0 1 : 32ms 0 1 0 : 64ms 0 1 1 : 256ms 1 0 0 : 512ms 1 0 1 : 1024ms 1 1 0 : 2048ms Note: If other than above value is assigned, the value is set as 128 ms (Standard).
			0	b ₃ - b ₇	Not used
	1217-1220	00			Not used
	1221			b ₀ - b ₇	Physical PBI Number accommodating IOC circuit card. (For UMGi/RNIP system)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1222			b ₀ -b ₃	Period of time to execute Health Check between Central Control Node and Remote Node. (For UMGi/RNIP system) 0: 2 seconds 1-F: A value will be multiplied by 2 seconds.
				b ₄ -b ₇	Period of time to recognize timeout of Health Check between Central Control Node and Remote Node. (For UMGi/RNIP system) 0: 30 seconds 1-F: A value will be multiplied by 30 seconds.
	1223			b ₀ -b ₃	Periodical Health Check Execution Timer Among RNs: (For UMGi/RNIP system) Bits(1-15) x 4 seconds (0=30sec)
				b ₄ -b ₇	Periodical Health Check Time-out Detection Timer Among RNs: (For UMGi/RNIP system) Bits(1-15) x 4 seconds (0=8sec)
	1224			b ₀ -b ₃	Waiting time to change the system of CPU. (For UMGi/RNIP system) 00: 60 seconds 1-F: A value will be multiplied by 10 seconds.
			0	b ₄ -b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS															
			DATA 0/1	BIT																
1	1225			b ₀	Command Restriction of Remote Node)=0 [Enabled (default)] (For UMGi/RNIP system)															
				b ₁ -b ₂	A call between TDM terminals at different nodes. (For UMGi/RNIP system)															
					<table><tr><th>Bit 2</th><th>Bit 1</th><th>Meanings</th></tr><tr><td>0</td><td>0</td><td>Share all IPPAD with other connections.</td></tr><tr><td>0</td><td>1</td><td>Use IPPAD for Connection between TDM terminals. If all the IPPAD is busy, the call will be restricted.</td></tr><tr><td>1</td><td>0</td><td>Use IPPAD for Connection between TDM terminals. If all the IPPAD is busy, normal IPPAD will be searched and seized.</td></tr><tr><td>1</td><td>1</td><td>Not used (operate as 10 if assigned).</td></tr></table>	Bit 2	Bit 1	Meanings	0	0	Share all IPPAD with other connections.	0	1	Use IPPAD for Connection between TDM terminals. If all the IPPAD is busy, the call will be restricted.	1	0	Use IPPAD for Connection between TDM terminals. If all the IPPAD is busy, normal IPPAD will be searched and seized.	1	1	Not used (operate as 10 if assigned).
					Bit 2	Bit 1	Meanings													
					0	0	Share all IPPAD with other connections.													
			0	1	Use IPPAD for Connection between TDM terminals. If all the IPPAD is busy, the call will be restricted.															
1	0	Use IPPAD for Connection between TDM terminals. If all the IPPAD is busy, normal IPPAD will be searched and seized.																		
1	1	Not used (operate as 10 if assigned).																		
0	b ₃ -b ₄	Not used																		
	b ₅	Flexible Route Re-routing for UMGi/RNIP in Survival Mode. (For UMGi/RNIP system) 0/1=disabled/enabled																		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS												
			DATA 0/1	BIT													
1	1225			b ₆ -b ₇	Method of restarting the RN after the office data transfer from the CCN to the RN when the RN changes from survival mode to normal mode. (For UMGi/RNIP system) <table><tr><th>Bit 7</th><th>Bit 6</th><th>Meanings</th></tr><tr><td>0</td><td>0</td><td>Execute Non Load Initial after the office data transfer (either of DM, LDM or NDM) from the CCN to the RN.</td></tr><tr><td>0</td><td>1</td><td>Execute Non Load Initial after the office data transfer (either of DM or LDM) from the CCN to the RN. Note 1</td></tr><tr><td>1</td><td>0/1</td><td>This data setting is prohibited.</td></tr></table>	Bit 7	Bit 6	Meanings	0	0	Execute Non Load Initial after the office data transfer (either of DM, LDM or NDM) from the CCN to the RN.	0	1	Execute Non Load Initial after the office data transfer (either of DM or LDM) from the CCN to the RN. Note 1	1	0/1	This data setting is prohibited.
	Bit 7	Bit 6	Meanings														
	0	0	Execute Non Load Initial after the office data transfer (either of DM, LDM or NDM) from the CCN to the RN.														
	0	1	Execute Non Load Initial after the office data transfer (either of DM or LDM) from the CCN to the RN. Note 1														
	1	0/1	This data setting is prohibited.														
1226-1232	00				Not used												
1233				b ₀ - b ₇	System Reset Delay Timer for Non-Load Initialize 00 (Hex) = Out of Service 01~FF (Hex) = 1 ~ 255 seconds Note: Not available in North America.												
1234				b ₀ - b ₇	System Reset Delay Timer for Office Data Load & System Initialize (due to memory retained reset failure) 00 (Hex) = Out of Service 01~FF (Hex) = 1 ~ 255 seconds Note: Not available in North America. Note: Assign this system data to a node which a standard VNDM is accommodated to. Note: When this data is assigned, time required for the system to reset will extend by the time period assigned in this data, regardless of how an initialization is performed (even for an initialization with the SINZ command).												
1235	00				Not used												

Note 1: Even if the assigned data is transferred from a CCN to a RN normally when the mode changes to normal mode, it does not guarantee that the data is transferred stably without a system initialization. Be sure to assign this data when all RNs are in normal mode. If a RN is not authorized or in survival mode, the RN side system initialization with the SINZ command may be necessary due to reflect the edited CCN side data to the RN depending on the data.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1236			$b_0 - b_7$	System Reset Delay Timer for Program & Office Data Load & System Initialize 00 (Hex) = Out of Service 01~FF (Hex) = 1 ~ 255 seconds Note: Not available in North America. Note: Assign this system data to a node which a standard VNDM is accommodated to. Note: When this data is assigned, time required for the system to reset will extend by the time period assigned in this data, regardless of how an initialization is performed (even for an initialization with the SINZ command).
	1237-1239	00			Not used
	1240		0	b_0	Not used
				b_1	Consultation Hold Release - ACD 0/1 = Out of service/In service
			0	$b_2 - b_7$	Not used
	1241-1243	00			Not used
	1244		0	$b_0 - b_3$	Not used
				$b_4 - b_5$	Speeding up the processing (Assign/Change/Delete) by the ASDT command. $\begin{matrix} b_5 & b_4 \\ \hline 0 & 0 = \text{Normal speed} \\ 0 & 1 = \text{Reduction in process time by 80\%} \\ 1 & 0 = \text{Reduction in process time by 70\% (recommended)} \\ 1 & 1 = \text{Reduction in process time by 40\%} \end{matrix}$
			0	$b_6 - b_7$	Not used
			0	$b_0 - b_5$	Not used
	1245			b_6	Add the converted number to dial code when outgoing call billing record is output 0 (default) = Add (dial code + converted number) 1 = Not add (only dial code) Note: This data is available since FP95-102 V2. Note: Set this data when you set ASYD Sys 1, Index 34, Bit 5=1. When you set to 0, if the number of dialed digits exceeds 18 digits, the first 18 digits will be displayed as the dial number, and the remaining digits will be displayed as the first 6 digits of a converted number.
			0	b_7	Not used
	1246-1247	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1248			b_0	Caller ID Display - Sub Line 0/1 = Out of service/In service Note: After this system data assignment, the following operations are required. - Digital terminal: Initializing corresponding ELC card. - SIP terminal: Restarting the terminal after 30 second is elapsed.
				b_1	Automatic Hold [A-68] 0/1 = Out of service/In service Note: After this system data assignment, the following operations are required. - Digital terminal: Initializing corresponding ELC card. - SIP terminal: Restarting the terminal after 30 second is elapsed.
				b_2	Auto-login through MAC Authentication when the login screen of SIP Multi Line terminal remains displayed for five minutes. 0/1=Unavailable/Available
				b_3	Retention of Customized Terminal Settings 0/1 = Out of service (Default)/In service
				b_4	Mixed Display of Caller ID Display - Sub Line 0/1=Out of service/In service
				b_5	Setting of soft key frame display on the LCD of DT830 Series. 0: Displays a soft key with a frame 1: Displays the soft key indication area with a frame Note: Available for FP95-112 V2 or later.
				b_6	Deletion of the terminal call history data for DT800/DT700 Series though PH Control Data Clear or Soft Reset by DISD command. 0/1=Out of service/In service Note: Available for FP95-112 V2 or later.
			0	b_7	Not Used.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1249			$b_0 - b_3$	Setting of time display pattern for Desktop terminal. Note 1 Note: The terminals accommodated to IPG (Digital) or UG50 cannot change the Time Display Pattern. Note: After this system data assignment, the following operations are required. - Digital terminal: Initializing corresponding ELC card. - SIP terminal: Restarting the terminal after 30 second is elapsed. Note: Available for DT800/DT700/DT400/DT300 Series.
				b_4	CF Setting button 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 2.0 or later.
			0	$b_5 - b_7$	Not Used.

Note 1: The following table shows the Time Display Pattern (SYS1, Index 1249, Bit0-3). When you assign the other parameters than the parameters shown below, the Display Pattern of the terminal will be 0 (12 hour (Default)).

Bit				Display Pattern	Indication Example
b3	b2	b1	b0		
0	0	0	0	0 (12 hour (Default))	10:30 AM WED 6 NOV 2013
0	0	0	1	1 (12 hour)	6 NOV WED 10:30 AM
0	0	1	0	2 (12 hour)	10:30 AM NOV 6 WED
0	0	1	1	3 (12 hour)	11-6 WED 10:30 AM
0	1	0	0	4 (12 hour)	10:30 AM WED 6 NOV
0	1	0	1	5 (24 hour)	6 NOV WED 10:30
0	1	1	0	6 (24 hour)	10:30 NOV 6 WED
0	1	1	1	7 (24 hour)	11-6 WED 10:30
1	0	0	0	8 (24 hour)	10:30 WED 6 NOV

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1250-1255	00			Not used
	1256			b_0	Time Indication Format 0/1: AM12:00/AM0:00 Note: Available for DT800/DT700/DT400/DT300 Series only. Note: In FCCS network, be sure to assign this system data to each node. Note: After this system data assignment, the following operations are required. - Digital terminal: Initializing corresponding ELC card. - SIP terminal: Restarting the terminal after 30 second is elapsed.
				b_1	Preset Dial 0/1 = Out of service/In service
				b_2	Behaviors of Line/Feature key lamp and Soft key display. $b_2=0$ (Mode: Default) Line/Feature Key Lamp: OFF Soft Key: Remains the same $b_2=0$ (Mode: Display Reversing) Line/Feature Key Lamp: OFF Soft Key: Remains the same $b_2=1$ (Mode: Default) Line/Feature Key Lamp: OFF Soft Key: Remains the same $b_2=1$ (Mode: Display Reversing) Line/Feature Key Lamp: ON Soft Key: RVERS
				b_3	Security Mode (DT800/DT700 Series) 0: Security button validation in accordance with the setting of ASYDL SYS1 Index 1257 Bit 1 1: Security button invalidation on a system basis Note: Changes are applied after rebooting the terminal.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1256			b ₄	Side Tone Volume Value [dB] b ₆ b ₅ b ₄ 0 0 0 = -54 (Minimum) Note 1 0 0 1 = -48 0 1 0 = -42 0 1 1 = -36 1 0 0 = -30 1 0 1 = -24 1 1 0 = -18 1 1 1 = -12 (Maximum)
				b ₅	
				b ₆	
				b ₇	
	1257		0	b ₀	Not used
				b ₁	Security Control Setup (DT800/DT700 Series) 0: Security button control on an individual terminal basis 1: Security button validation on a system basis Note: When this System Data is changed, restart the terminal.
				b ₂	Type of outgoing call history used by DT Series 0: Last Number Called -D [L-6D] 1: Redial [R-60] Note: When this System Data is changed, restart the terminal.
				b ₃	Call Forward Line Lamp Indication for Soft Phone 0: Call Forward Line Lamp Indication is not activated on Soft Phone 1: Call Forward Line Lamp Indication is activated on Soft Phone Note: When this data is changed, system initialization is required.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1257			$b_4 - b_6$	Call Forward Line Lamp Indication Pattern 0-7: Note 1 Note 2 Note: When this data is changed, system initialization is required.
				b_7	Call Forward Line Lamp Indication for DT800/DT700 Series (Large LCD Type) 0: Call Forward Line Lamp Indication is not enabled on DT800/DT700 Series (Large LCD Type) 1: Call Forward Line Lamp Indication is enabled on DT800/DT700 Series (Large LCD Type) Note: When this data is changed, system initialization is required.

Note 1: The following table shows the settings of Call Forward Line Lamp Indication Pattern (SYS1, Index 1257, Bit4-6).

 : Green light is on
  : Red light is on
  : Light is off
 The number (ms) displays how long the lights turn on/off.

Setting	Status	Pattern							
0	Green light flashes	640ms				128ms	128ms	128ms	128ms
1	Red light turns on								
2	Red light flashes	128ms	128ms	128ms	128ms	128ms	128ms	128ms	128ms
3	Red light flashes	512ms				512ms			
4	Green light flashes	128ms	128ms	128ms	128ms	128ms	128ms	128ms	128ms
5	Green light flashes	512ms				512ms			
6	Green light flashes	640ms				128ms	128ms	128ms	128ms
7	Green light turns on								

Note 2: When using this feature on Softphone (SYS1, Index 1257, Bit3=1), set the Bit4-6 to 0 or 2~6.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1258			b ₀	Call recording with USB memory. 0/1 = Enabled/Disabled Note: Available for FP95-112 V2 or later.
				b ₁	Terminal cooperation with mobile phone. 0/1 = Enabled/Disabled Note: The changes made to the system data above will take effect after about 30 seconds.
				b ₂	Soft key eight digits display with a frame. 0/1 = Enabled/Disabled Note: The changes made to the system data above will take effect after about 30 seconds.
			0	b ₃ -b ₆	Not used
				b ₇	LED brightness for the digit keys of terminal. 0/1 = Normal/Half Note: When this System Data is changed, restart the terminal. Note: Available for DT830 Series firmware version 4.0.0.0 or later.
	1259-1261	00			Not used
	1262		0	b ₀ - b ₂	Not used
				b ₃	Retrieving a Call in Call Park Group -D Hold from a Fixed Line 0/1 = Disabled/Enabled
				b ₄	Fixed Line Used for Retrieving a Call in Call Park Group -D Hold 0/1 = Prime Line/My Line Note: When setting this parameter, you must enable "Retrieving a Call in Call Park Group -D Hold from a Fixed Line" (ASYDL, System Data 1, Index 1262, Bit 3 = 1). This setting is not required if My Line is assigned as Prime Line.
				b ₅	Terminal power save mode change based on a time schedule 0/1 = Enabled/Disabled
			0	b ₆ - b ₇	Not used
	1263	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS					
			DATA 0/1	BIT						
1	1264			b ₀ - b ₃	Receiver Volume Setting for Pattern 1					
					b3	b2	b1	b0	Volume Level [dB]	Scale on LCD
					0	0	0	0	Note 1	6
					0	0	0	1	-10 (Minimum) (Bias value ±0dB)	1
					0	0	1	0	-8 (Minimum) (Bi- as value ±2dB)	2
					0	0	1	1	-6 (Minimum) (Bi- as value ±4dB)	3
					0	1	0	0	-4 (Minimum) (Bi- as value ±6dB)	4
					0	1	0	1	-2	5
					0	1	1	0	0 (Default)	6
					0	1	1	1	2	7
					1	0	0	0	4	8
					1	0	0	1	6	9
					1	0	1	0	8	10
					1	0	1	1	10	11
					1	1	0	0	12	12
					1	1	0	1	14 (Maximum)	13
					1	1	1	0	Note 1	6
					1	1	1	1	Note 1	6
					Note 1: This value is the same as default setting of the terminal side.					

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																																																																																					
			DATA 0/1	BIT																																																																																																						
1	1264			b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 1																																																																																																					
					b7	b6	b5	b4	Volume Level [dB]	Scale on LCD	0	0	0	0	Note 1	8	0	0	0	1	-48 (Minimum)	1	0	0	1	0	-44	2	0	0	1	1	-40	3	0	1	0	0	-36	4	0	1	0	1	-32	5	0	1	1	0	-28	6	0	1	1	1	-24	7	1	0	0	0	-20 (Default)	8	1	0	0	1	-16	9	1	0	1	0	-12	10	1	0	1	1	-8	11	1	1	0	0	-4	12	1	1	0	1	0 (Maximum)	13	1	1	1	0	Note 1	8	1	1	1	1	Note 1	8
					b7	b6	b5	b4	Volume Level [dB]	Scale on LCD																																																																																																
					0	0	0	0	Note 1	8																																																																																																
					0	0	0	1	-48 (Minimum)	1																																																																																																
					0	0	1	0	-44	2																																																																																																
					0	0	1	1	-40	3																																																																																																
					0	1	0	0	-36	4																																																																																																
					0	1	0	1	-32	5																																																																																																
					0	1	1	0	-28	6																																																																																																
					0	1	1	1	-24	7																																																																																																
					1	0	0	0	-20 (Default)	8																																																																																																
					1	0	0	1	-16	9																																																																																																
					1	0	1	0	-12	10																																																																																																
					1	0	1	1	-8	11																																																																																																
					1	1	0	0	-4	12																																																																																																
					1	1	0	1	0 (Maximum)	13																																																																																																
					1	1	1	0	Note 1	8																																																																																																
					1	1	1	1	Note 1	8																																																																																																
					Note 1: This value is the same as default setting of the terminal side.																																																																																																					

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																																																																																																						
			DATA 0/1	BIT																																																																																																																							
1	1265			b ₀ - b ₃	LCD Contrast Setting for Pattern 1																																																																																																																						
					b3	b2	b1	b0	LCD Con- trast	Scale on LCD	Remarks	0	0	0	0		5	Note 1	0	0	0	1	Low	1	Minimum	0	0	1	0	.	2		0	0	1	1	.	3		0	1	0	0	.	4		0	1	0	1	.	5		0	1	1	0	.	6	Default	0	1	1	1	.	7		1	0	0	0	High	8	Maximum	1	0	0	1		5	Note 1	1	0	1	0		5	Note 1	1	0	1	1		5	Note 1	1	1	0	0		5	Note 1	1	1	0	1		5	Note 1	1	1	1	0		5	Note 1	1	1	1	1		5	Note 1
					b3	b2	b1	b0	LCD Con- trast	Scale on LCD	Remarks																																																																																																																
					0	0	0	0		5	Note 1																																																																																																																
					0	0	0	1	Low	1	Minimum																																																																																																																
					0	0	1	0	.	2																																																																																																																	
					0	0	1	1	.	3																																																																																																																	
					0	1	0	0	.	4																																																																																																																	
					0	1	0	1	.	5																																																																																																																	
					0	1	1	0	.	6	Default																																																																																																																
					0	1	1	1	.	7																																																																																																																	
					1	0	0	0	High	8	Maximum																																																																																																																
					1	0	0	1		5	Note 1																																																																																																																
					1	0	1	0		5	Note 1																																																																																																																
					1	0	1	1		5	Note 1																																																																																																																
					1	1	0	0		5	Note 1																																																																																																																
					1	1	0	1		5	Note 1																																																																																																																
					1	1	1	0		5	Note 1																																																																																																																
				1	1	1	1		5	Note 1																																																																																																																	
				Note 1: This value is the same as default setting of the terminal side.																																																																																																																							
				b ₄	Handset/Headset Switching for Pattern 1 0/1=Handset/Headset																																																																																																																						
0	b ₅ - b ₇	Not used																																																																																																																									

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1266			b ₀ - b ₃	Receiver Volume Setting for Pattern 2 (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 2 (For details on setting of each bit, see Index 1264.)
	1267			b ₀ - b ₃	LCD Contrast Setting for Pattern 2 (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Pattern 2 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used
	1268			b ₀ - b ₃	Receiver Volume Setting for Pattern 3 (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 3 (For details on setting of each bit, see Index 1264.)
	1269			b ₀ - b ₃	LCD Contrast Setting for Pattern 3 (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Pattern 3 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used
	1270			b ₀ - b ₃	Receiver Volume Setting for Pattern 4 (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 4 (For details on setting of each bit, see Index 1264.)

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1271			b ₀ - b ₃	LCD Contrast Setting for Pattern 4 (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Pattern 4 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used
	1272			b ₀ - b ₃	Receiver Volume Setting for Pattern 5 (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 5 (For details on setting of each bit, see Index 1264.)
	1273			b ₀ - b ₃	LCD Contrast Setting for Pattern 5 (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Pattern 5 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used
	1274			b ₀ - b ₃	Receiver Volume Setting for Pattern 6 (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 6 (For details on setting of each bit, see Index 1264.)
	1275			b ₀ - b ₃	LCD Contrast Setting for Pattern 6 (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Pattern 6 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1276			b ₀ - b ₃	Receiver Volume Setting for Pattern 7 (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 7 (For details on setting of each bit, see Index 1264.)
	1277			b ₀ - b ₃	LCD Contrast Setting for Pattern 7 (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Pattern 7 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used
	1278			b ₀ - b ₃	Receiver Volume Setting for Default Pattern (For details on setting of each bit, see Index 1264.)
				b ₄ - b ₇	Ringer Tone Volume Setting for Default Pattern (For details on setting of each bit, see Index 1264.)
	1279			b ₀ - b ₃	LCD Contrast Setting for Default Pattern (For details on setting of each bit, see Index 1265.)
				b ₄	Handset/Headset Switching for Default Pattern 0/1=Handset/Headset
			0	b ₅ - b ₇	Not used
	1280-1308	00			Not used
	1309				TCP Port Number (Upper Bytes) in hexadecimal Note: This data is used with Index 1310 to assign the TCP Port Number. Assign both Index 1309 and 1310 to set the port number. Example: The data assignment shown below is an example for setting the port number as 587 (in decimal) which is recommended by RFC 2476. SYS 1, Index 1309 = 02 SYS 1, Index 1310 = 4B
	1310				TCP Port Number (Lower Bytes) in hexadecimal Note: This data is used with Index 1309 to assign the TCP Port Number. Assign both Index 1309 and 1310 to set the port number. Example: The data assignment shown below is an example for setting the port number as 587 (in decimal) which is recommended by RFC 2476. SYS 1, Index 1309 = 02 SYS 1, Index 1310 = 4B

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
			DATA 0/1	BIT	
1	1311	00			Not used
	1312			b ₀	Activation Setting of FTP Server embedded in Telephony Server Note 3 0/1 = Not Use/Use
				b ₁	Activation Setting of SSH Server embedded in Telephony Server Note 3 0/1 = Use/Not Use
				b ₂	Activation Setting of Telnet Server embedded in Telephony Server Note 3 0/1 = Not Use/Use
				b ₃	Activation Setting of HTTP Server embedded in Telephony Server Note 3 0/1 = Not Use/Use
				b ₄ -b ₇	Not used
	1313-1343	00			Not used

Note 3: Do not assign data by this index. Perform the data settings on the ADTM command because these index data are reflected automatically by the settings of the ADTM command.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																	
			DATA 0/1	BIT																		
1	1344			b ₀ -b ₂	LAN Cable Layer 1 Fault Detection Monitor Timer of LAN1 connector. Note 4																	
				b ₃	When the Layer 1 link disconnection at LAN1 connector is detected, system changeover is; Note 4 0 = not executed 1 = executed																	
			0	b ₄ -b ₇	Not used																	
	1345-1346	00			Not used																	
	1347			b ₀	PBUS over IP Module 0/1 = Out of service/In service Note: ACDP Quick Initialization is not available for North America Note: When modifying this data from Out of service to In service, you must execute “Module Initialize” for PBUS over IP Module with the ADPM command.																	
				b ₁	Memory Copy from ACT to ST-BY 0/1 = Stop/Start																	
				b ₂ - b ₃	Output the CPU Change Notification [10-Q].																	
			<table><tr><th colspan="2">Bit</th><th rowspan="2">Output Pattern</th></tr><tr><th>b3</th><th>b2</th></tr><tr><td>0</td><td>0</td><td>Not output (default setting)</td></tr><tr><td>0</td><td>1</td><td>Output only the CPU Change Complete messages.</td></tr><tr><td>1</td><td>0</td><td>Output the CPU Change Complete, Start, Abandon and Failure messages.</td></tr><tr><td>1</td><td>1</td><td>- (Not used)</td></tr></table>		Bit		Output Pattern	b3	b2	0	0	Not output (default setting)	0	1	Output only the CPU Change Complete messages.	1	0	Output the CPU Change Complete, Start, Abandon and Failure messages.	1	1	- (Not used)	
			Bit		Output Pattern																	
			b3			b2																
0	0	Not output (default setting)																				
0	1	Output only the CPU Change Complete messages.																				
1	0	Output the CPU Change Complete, Start, Abandon and Failure messages.																				
1	1	- (Not used)																				
0	b ₄ - b ₇	Not used																				

Note 4: The following shows the duration of time before starting system changeover.

Bit 3	Bit 2	Bit 1	Bit 0	Changeover Operation Time
1	0	0	0	Starts immediately, and ends about 12 seconds later.
1	0	0	1	Starts after 6-8 seconds, and ends about 12 seconds later.
1	0	1	0	Starts after 10-12 seconds, and ends about 12 seconds later. (Standard setting)
1	0	1	1	Starts after 16-17 seconds, and ends about 12 seconds later.
1	1	0	0	Starts after 20-22 seconds, and ends about 12 seconds later.
1	1	0	1	Starts after 26-27 seconds, and ends about 12 seconds later.
1	1	1	0	Starts after 30-32 seconds, and ends about 12 seconds later.
1	1	1	1	Starts after 37-38 seconds, and ends about 12 seconds later.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1348			$b_0 - b_3$	Cycle of Executing a Health Check between ACT side and ST-BY side <u>b3 b2 b1 b0</u> : Timer Value 0 0 0 0 : 2 seconds (default) 0 0 0 1 : 2 seconds 0 0 1 0 : 4 seconds 0 0 1 1 : 6 seconds 0 1 0 0 : 8 seconds 0 1 0 1 : 10 seconds 0 1 1 0 : 12 seconds 0 1 1 1 : 14 seconds 1 0 0 0 : 16 seconds 1 0 0 1 : 18 seconds 1 0 1 0 : 20 seconds 1 0 1 1 : 22 seconds 1 1 0 0 : 24 seconds 1 1 0 1 : 26 seconds 1 1 1 0 : 28 seconds 1 1 1 1 : 30 seconds Note: Not available in North America.
				$b_4 - b_7$	Cycle of Abnormal Detection for Health Check between ACT side and ST-BY side <u>b7 b6 b5 b4</u> : Timer Value 0 0 0 0 : 30 seconds (default) 0 0 0 1 : 30 seconds 0 0 1 0 : 60 seconds 0 0 1 1 : 90 seconds 0 1 0 0 : 120 seconds 0 1 0 1 : 150 seconds 0 1 1 0 : 180 seconds 0 1 1 1 : 210 seconds 1 0 0 0 : 240 seconds 1 0 0 1 : 270 seconds 1 0 1 0 : 300 seconds 1 0 1 1 : 330 seconds 1 1 0 0 : 360 seconds 1 1 0 1 : 390 seconds 1 1 1 0 : 420 seconds 1 1 1 1 : 450 seconds Note: Not available in North America.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1349 -1352	00			Not used
	1353		0	b_0	Not used
				b_1	Software Digital Tone Generator (IP-DTG) 0 = Out of Service 1 = In Service
			0	$b_2 - b_7$	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1354			b ₀	Geographic Redundancy service 0/1 = Out of service/In service Note: Available since FP95-112 V2. Note: When this data is changed in the UMGi system, perform the PCPro login operation again.
				b ₁	Office Data management restrictions in a network with Geographic Redundancy 0 = Permit the creation, editing and deletion of Office data only on the Primary Node (or Primary Node (CCN)) 1 = Permit the creation, editing and deletion of Office data on the Primary Node (or Primary Node (CCN)) or operating Geo Redundant Node (or Geo Redundant Node (CCN)) Note: Available since FP95-112 V2. Note: Supported in North America only until FP95-112 V2.
				b ₂	Priority of Automatic Transition to Standby 0/1 = Giving operation priority to the Primary Node/Giving operation priority to the node in operating mode Note: For more details, refer to the Geographic Redundancy Configuration Manual. Note: Available since FP95-112 V2.
				b ₃	Ongoing Call Retention when Manual Changeover to Standby mode is performed 0/1 = Out of service/In service Note: Available since FP95-112 V2.
			0	b ₄	Not used
				b ₅	System Message output (10-T/10-U) for Health Check error (for Primary Node and Geo Redundant Node) 0/1 = Out of service/In service Note: Available since FP95-112 V2.
				b ₆	Automatic copy of Office Data to standby Geo Redundant Nodes (RN) after periodic health check 0/1 = Out of service/In service Note: Available since FP95-112 V2. Note: Supported in North America only until FP95-112 V2. Note: The automatic copy function is available only when the Geo Redundant Node (RN) as the copy source is operating in normal mode.
			0	b ₇	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1355			$b_0 - b_7$	ID of Loop Detection (1-255) Note: Available since FP95-113 V3. Note: This parameter is valid only for MG-SIP TIE Line.
	1356			b_0	Alternate Routing for Loop Detection. 0 = Out of Service 1 = In Service Note: Available since FP95-113 V3. Note: This parameter is valid only for MG-SIP TIE Line.
			0	$b_1 - b_7$	Not used
	1357			b_0	Synchronization of SIP terminal authentication information 0 = In service 1 = Out of service Note: Available since FP95-114 V4.
				b_1	Synchronization of Day/Night mode information 0 = In service 1 = Out of service Note: Available since FP95-114 V4.
			0	$b_2 - b_7$	Not used
	1358-1381	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1382			b_0	Receiving digits operation of SIP Handler Controlled SIP terminal when a called station is busy. 0 = Step Call 1 = Going switch hook flash (Receiving a Special Dial Tone (SPDT)) Note: Going switch hook flash is not available during talking. It is available while the operating terminal is receiving a busy tone.
				b_1	Digest Authentication when SIP Handler Controlled SIP terminal performs registration. 0 = In Service (default) 1 = Out of Service
				b_2	SIP Handler Controlled Standard SIP video terminal usage. 0 = From SV9500 FP95-114 V4 1 = Until SV9500 FP95-113 V3
				b_3	Verification of source address information in the Via header to defend against Distributed Reflection Dos (DRDoS) attacks. When this function is enabled, the Internal SIP Handler checks SIP request message headers for their authenticity. If there is any false information, the SIP Handler discards the message without processing. 0 = In Service (default) 1 = Out of Service
				b_4	Music On Hold suppression on Internal SIP Handler Controlled SIP terminal when the other party hangs up (Re-INVITE request transmission delay upon placement of a call on hold). 0 = In Service (default) 1 = Out of Service Note: Available since FP95-111 V1 Issue 5.0.
				b_5	In a call transferred to a SIP Handler Controlled SIP Terminal, display caller number and name information when the intermediate party releases the call. 0 = Out of Service 1 = In Service Note: Available since FP95-114 V4.
			0	$b_6 - b_7$	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1383			$b_0 - b_7$	Restriction on the number of SIP request messages per second (1024ms) accepted by the Internal SIP Handler. When the Internal SIP Handler receives a number of SIP request messages exceeding the limit, the SIP excess messages will be discarded without being processed. b0-7=FF: No restriction b0-5=00: Restricted to 200 requests per second (default) Note: If you set b0 through b5 to a value other than "00", the restricted number will be as follows depending on the value of b6 to b7. b6-7=00: Restricted to the number represented by b0-b5 (requests per second) (1~63 per second) b6-7=01: Restricted to ten times of the number represented by b0-b5 (requests per second) (10~630 per second) Note: If you set these bits to a value other than the above, the restricted number will be 200 requests per second (default).
	1384-1392	00			Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1393		0	$b_0 - b_4$	Not used
				b_5	Tandem connection control for manual trunk-to-trunk call transfer via station 0 = Control based on ARI A-RES, RRI = 3 and ARI D-RES - For manual call transfer to another trunk: Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command and Route Restriction Index 3 (RRI = 3) of the ARSC/ARSCN command - For drop of the transferring party from the call: Restriction Data for Alternative Route Index (ARI D-RES) of the ARRC/ARRCN command 1 = Control based on ARI A-RES - For manual call transfer to another trunk: Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command - For drop of the transferring party from the call: Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command Note: Available since FP95-113 V3. Note: This parameter affects the following features: • Call Forwarding - All Calls - Outside [C-28] • Call Forwarding - Don't Answer - Outside [C-74] • Call Forwarding - Busy Line - Outside [C-60] • Three-Way Calling [T-2] • Call Transfer - All Calls - CCIS [C-50]
				b_6	Tandem connection for manual trunk-to-trunk call transfer when the ARI A-RES parameter of the ARRCN command is set to 2 (Toll Restriction is required) in the following cases: • ASYDL/ASYDN, SYS1, Index 1393, Bit 5 = 0 • Manual trunk-to-trunk call transfer via an attendant 0 = Allowed 1 = Restricted Note: Available since FP95-113 V3.
			0	b_7	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1394			$b_0 - b_1$	Select transport protocol for session information exchange of SIP devices. $b_0 \quad b_1$ 0 0 = AUTO 1 0 = TCP 0 1 = UDP Note: If FCCS system is used, set these bits in the ASYDN to ensure that all nodes have the same settings. Note: In principle, AUTO uses UDP for session information, but if data size is bigger than 1400 bytes, uses TCP. Note: If there is the risk of packet fragmentation when using UDP, set to TCP.
				$b_2 - b_7$	Not used
	1395			b_0	Transfer of unanswered calls in a Terminal Hunt Group 0/1 = Out of service/In service
				b_1	Transfer of unanswered calls in a Circular Hunt Group 0/1 = Out of service/In service
				b_2	Transfer of unanswered calls in a Priority Hunt Group 0/1 = Out of service/In service
			0	$b_3 - b_7$	Not used

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS																																								
1	1396			b_0 - b_3	Miscellaneous Timer Counter (MTC) of no answer timer for the transfer of unanswered calls in a Hunt Group Note: If time is not set with this system data, the time of SYS1, Indexes 139, 140, 141, 247 will be used. Note: MTC is to be assigned a value from 1 HEX to F HEX (1~15). Note: Timer Value Setting is MTC × TC seconds. Note: Do not assign 0 when TC is assigned 3 or 4.																																								
				b_4 - b_6	Timer Class (TC) is to be assigned one of the following values: <table><tr><td>b_6</td><td>b_5</td><td>b_4</td><td></td><td>b_6</td><td>b_5</td><td>b_4</td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>= -</td><td>1</td><td>0</td><td>0</td><td>= 30 Sec.</td></tr><tr><td>0</td><td>0</td><td>1</td><td>= -</td><td>1</td><td>0</td><td>1</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>0</td><td>= -</td><td>1</td><td>1</td><td>0</td><td>= -</td></tr><tr><td>0</td><td>1</td><td>1</td><td>= 2 Sec.</td><td>1</td><td>1</td><td>1</td><td>= -</td></tr></table> Note: Assigned time will be used for all the Hunt Groups (Circular, Terminal, Priority, Switch-back), it cannot be set separately according to the type of Hunt Group.	b_6	b_5	b_4		b_6	b_5	b_4		0	0	0	= -	1	0	0	= 30 Sec.	0	0	1	= -	1	0	1	= -	0	1	0	= -	1	1	0	= -	0	1	1	= 2 Sec.	1	1	1	= -
			b_6	b_5	b_4		b_6	b_5	b_4																																				
	0	0	0	= -	1	0	0	= 30 Sec.																																					
	0	0	1	= -	1	0	1	= -																																					
	0	1	0	= -	1	1	0	= -																																					
	0	1	1	= 2 Sec.	1	1	1	= -																																					
0	b_7	Not used																																											
1397-1407	00			Not used																																									
1408				b_0	Use TCP for SIP Messages 0 = Disabled 1 = Enabled Note: If this setting is changed, Internal SIP Handler needs to be initialized with the ADPM, ADTM or SINZ command. Note: TCP is only used for Internal SIP handler. Note: Available since FP95-114 V4.																																								
		0	b_1 - b_7	Not used																																									
1409-1417	00				Not used																																								

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1418			$b_0 - b_3$	In the maximum number of TCP connections of SIP message, set the maximum number of TLS connections by percentage. 0-10=Setting value x 10% (0-100%) 11-15=100% Note: Specify the rate which is the same number of the terminals supporting TLS for TLS connection. Note: Available since FP95-114 V4.
			0	$b_4 - b_7$	Not used
	1419			$b_0 - b_7$	Assign the port number for TLS connection in little endian. Note: When you change the port number from default port, use ADTM command. In this case, be sure not to change this data. Note: When "0" is assigned, the port number of LAN1 ACT2 is 5061 (default), the port number of LAN1 is 55061 (default). Note: Available since FP95-114 V4.
	1420			$b_0 - b_7$	Assign the port number for TLS connection in little endian. Note: When you change the port number from default port, use ADTM command. In this case, be sure not to change this data. Note: When "0" is assigned, the port number of LAN1 ACT2 is 5061 (default), the port number of LAN1 is 55061 (default). Note: Available since FP95-114 V4.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 512 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS
1	1421			$b_0 - b_3$	Assign the time to send TCP Keep Alive for the first time on the TLS connection in 10 seconds. 0=60 seconds (default) 1-15=Setting value x 10 seconds (10-150 seconds) Note: Default setting is recommended. Note: Available since FP95-114 V4.
				$b_4 - b_7$	Assign the sending interval of TCP Keep Alive on the TLS connection in one second. 0=1 second (default) 1-15=Setting value x 1 seconds (1-15 seconds) Note: TCP Keep Alive sending retry is executed to the terminal up to 9 times until the response returns for the time interval assigned in this command. The number of retry times cannot be changed. Note: Default setting is recommended. Note: Available since FP95-114 V4.
	1422-1535				Not used

ASYDN: Assignment of System Data for NDM

1. General

This command specifies the system data for the FCCS Network.

2. Precautions

1. The data assigned by this command determines the service condition that affects the other nodes in the FCCS Network.
2. Data for ASYDN assigned at Network Control Node (NCN) has priority over data for ASYDL assigned at the Local Node (LN) in the FCCS Network.
3. The ASYDN command consists of SYS1, Index 0 - 1535.
4. For detailed information, see the Data Programming Manual - FCCS.
5. Be careful not to mistakenly set unused data bits to ON in order to prevent unexpected results.

3. Data Entry Instructions

SYS: System Data Type [Fixed to 1]

INDEX: System Data Index [0-1535]

Kind of Input

HEX : Input the data in hexadecimal
BIT : Input the data in binary

[List of System Data]

Read Data : The read data is displayed in hexadecimal.
HEX (00-FF) : The field is available only when “Kind of Input = HEX”.
B7-B0 (0/1) : These fields are available only when “Kind of Input = BIT”.
Each bit can be on or off.
DEC (0-255) : The input value is converted to decimal.

The Next Data Get Automatically After Writing [ON/OFF]

When this check box is marked, clicking the SET button takes you to the next INDEX page.

4. QUICK REFERENCE TABLE FOR ASYDN(SYS1, Index 0-1535)

SYS1	INDEX 100s.	INDEX 600s.	INDEX 800s.	INDEX 1000s.
INDEX 0-99	100-158	600-640	800	1000-1003
0-3	159	641	801	1004
4	160	642-651	802	1005
5	161	652	803	1006
6-7	162-169	653	804	1007
8	170	654	805	1008
9	171-185	655	806-817	1009-1057
10-15	186	656	818	1058
16	187-199	657-671	819-830	1059
17	INDEX 200s.	672	831	1060
18-19	200-247	673-676	832	1061-1087
20	248	677	833	1088
21-26	249-299	678	834-862	1089
27	INDEX 300s.	679	863	1090-1099
28-32	300-303	680	864	INDEX 1100s.-
33	304	681	865-866	1200s.
34-40	305-320	682	867	1100-1124
41	321	683	868	1125
42	322-389	684	869	1126
43-46	390	685	870	1127-1130
47	391-399	686	871	1131
48-58	INDEX 400s.	687-699	872-873	1132
59	400-499	INDEX 700s.	874	1133
60	INDEX 500s.	700-701	875	1134
61-64	500-513	702	876	1135
65	514	703-799	877	1136
66-67	515-529		878	1137-1139
68	530		879-894	1140
69	531-532		895	1141-1143
70	533		896-899	1144
71	534		INDEX 900s.	1145
72-76	535-582		900-956	1146
77	583		957	1147-1184
78	584-588		958-959	1185
79	589		960	1186
80-90	590-599		961-962	1187
91			963	1188
92-99			964-999	1189
				1190
				1191
				1192
				1193
				1194
				1195
				1196-1198
				1199

INDEX 1200s.

- 1200
- 1201
- 1202-1239
- 1240
- 1241-1243
- 1244
- 1245-1247
- 1248
- 1249
- 1250-1255
- 1256
- 1257
- 1258
- 1259-1261
- 1262
- 1263
- 1264
- 1265
- 1266
- 1267
- 1268
- 1269
- 1270
- 1271
- 1272
- 1273
- 1274
- 1275
- 1276
- 1277
- 1278
- 1279
- 1280-1299

**INDEX 1300s. -
1535s.**

- 1300-1346
- 1347
- 1348
- 1349-1392
- 1393
- 1394
- 1395
- 1396
- 1397-1535

5. Data Entry Instructions

BIT

b7

b6

b5

b4

b3

b2

b1

b0

DATA

0

0

0

1

0

0

0

0

Hex

1

0

BIT

b7

b6

b5

b4

b3

b2

b1

b0

DATA

1

0

0

1

0

0

0

0

(MDATA)

9

0

MDATA

The MDATA parameter designates whether your input data in the parameter DATA is valid or not in the FCCS network. Each bit of MDATA is determined as "1" for valid, "0" for invalid. Then, convert it to HEX to enter the data in the parameter MDATA.

EX. When "10 HEX" is entered in the parameter DATA and "90 HEX" is entered in the parameter MDATA, both bit4 data and bit7 data affect the FCCS network. (Both "One digit dialing" service and "Warning tone" service are valid in the FCCS network..

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0-1535	DATA (DATA) 00-FF (Hex)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA) 00-FF (Hex)
			DATA 0/1	BIT		
1	70	10	0	b0	Not used	90
			0	b1	Not used	
			0	b2	Not used	
			0	b3	Not used	
			1	b4	One digit dialing (DP Tel) 0/1 = Out of service/In service	
			0	b5	Not used	
			0	b6	Not used	
			0	b7	Warning Tone for Executive Right of way 0/1 = Required/Not required	

DATA

BIT

0

b0

0

b1

0

b2

0

b3

1

b4

0

b5

0

b6

0

b7

Convert from Binary to Hexadecimal, and enter the HEX value in the parameter DATA.

BIT

b7

b6

b5

b4

b3

b2

b1

b0

DATA

0

0

0

1

0

0

0

0

Hex

1

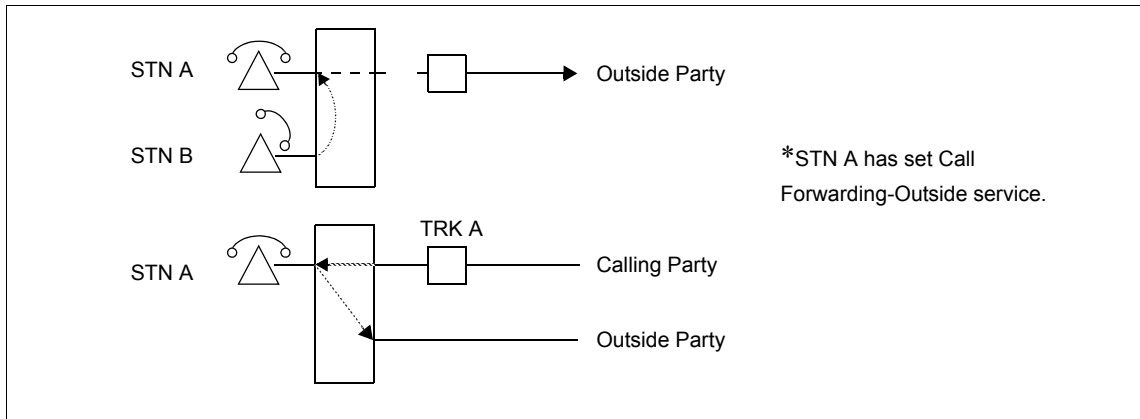
0

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	0-3	00			Not used	
	4			b ₀	Control of ORT all Busy Status 0/1 = Reorder Tone (ROT)/Wait for Off-hook Queue	
			0	b ₁	Not used	
				b ₂	Releasing Method for Station-to-Station Calling Service 0 0 = Calling Party release 0 1 = Called Party release 1 0 = First Party release 1 1 = Both Party release Normally assign First Party release	
				b ₃		
				b ₄	Temporary Class Conversion and OAI Free Location Memory 0/1 = Not required/Required Note: When setting outgoing restriction and toll restriction in the CCIS using the caller's RSC transferred by a call origination from the preceding office, data value "1" is assigned. That destination restriction and number restriction cannot be done using RSC. This data is assigned "1" when the Authorization Code, Call Waiting-Terminating, or EROW service is provided.	
				b ₅	PAD Control of 16LC circuit card (for Station-to-Station Calling only) 0/1: Required/Not required	
				b ₆	One Burst of Ringing On Call Forwarding (CF) phone when CF - All Calls service has been assigned (analog phones only). 0/1 = Not required/Required	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)			
			DATA 0/1	BIT					
1	5			b ₀	Access Code for CF-Busy Line and CF-Don't Answer Services 0/1 = Same/Separate Note: If “0” is assigned, assign either SID: 10 or 12 in the ASPA command.				
				b ₁	Maximum number of Multiple Call Forwarding - All Calls/Busy Line occurrences: b₃ b₂ b₁ 0 0 0 0 0 1 0 1 0 0 1 1 : : : : once twice three times b₃ b₂ b₁ 1 0 0 1 0 1 1 1 0 1 1 1 : : : : four times five times				
				b ₂					
				b ₃					
				b ₄			Miscellaneous Timer Counter (MTC) (0 - 7)	Call Back - Delay Timer Timer Value Setting is MTC × two seconds. When this data is “000,” Timer Value is two seconds.	
				b ₅					
				b ₆					
				b ₇	Call Back - Delay Timer 0/1 = Ineffective/Effective				
			6-7	00				Not used	
			8				b ₀ -b ₇	Number of Tenants	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	9			b ₀ -b ₇	Number of Attendant Consoles IMG system: 1~8 (01 HEX ~ 08 HEX) MMG system: 1~32 (01 HEX ~ 20 HEX) Note 1 UMGi/RNIP system: 1~32 (01 HEX ~ 20 HEX) Note 2 Note: For the SV9500 migrated from IPX, assign the data as shown below: IMG system: 1~16 (01 HEX ~ 10 HEX) MMG system: 1~60 (01 HEX ~ 3C HEX) Note 1: For the brand new SV9500 using PIRs, up to 32 Attendant Consoles can be accommodated. Note 2: In a RNIP/UMGi system is necessary to collectively set all the Attendant Consoles in one single node that can be the CCN or any of the RNs. Therefore, the maximum number of accommodated consoles can be different depending on the system configuration (IMG/MMG).	
	10-15	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	16			b ₀	One-digit Station Number 0/1 = Out of service/In service	
				b ₁	Two-digit Station Number 0/1 = Out of service/In service	
				b ₂	Three-digit Station Number 0/1 = Out of service/In service	
				b ₃	Four-digit Station Number 0/1 = Out of service/In service	
				b ₄	Five-digit Station Number 0/1 = Out of service/In service	
				b ₅	Six-digit Station Number 0/1 = Out of service/In service	
			0	b ₆	Not used	
			0	b ₇		
	17			b ₀	This bit (data “1”) allows single-line stations to switchhook flash and dial an access code while hearing Ringback Tone (RBT), to place a voice call to a Desktop terminal or activate the Desktop terminal’s MESSAGE REMINDER Feature key. 0/1 = Out of service/In service	
			0	b ₁ -b ₇	Not used	
	18-19	00			Not used	
	20		0	b ₀ -b ₆	Not used	
				b ₇	Billing Party for a call transferred by Call Forwarding - Outside Service Note: When “1” has been assigned to b ₇ , Station Number A (Called Party), as shown in the figure below, is provided to the SMDR equipment. 0 = The Billing Party is the originator of the transferred call. 1 = The Billing Party is the station that has set Call Forwarding - Outside service.	



Note: Index 20, b7=0 Station B or RT + TRK of Calling Party is provided as originator of call on SMDR output.
b7=1 Station A is output as the originator in both cases.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	21-26	00			Not used	
	27		0	b ₀ -b ₆	Not used	
				b ₇	Immediate Ringback Tone Sending: 0/1 = Not Required/Required	
	28-32	00			Not used	
	33		0	b ₀ -b ₂	Not used	
				b ₃	Telephone Subject to Total Billing (when b ₆ =1)	
				b ₄	b ₄ b ₃ 0 0 = Telephone that called first. 0 1 = Telephone that called last. 1 0 = First telephone after the call has been handled by ATT. 1 1 = Last telephone after the call has been handled by ATT.	
					Billing for Transferred Incoming Call	
					01/ = Split/Total Billing Note: Total Billing means telephone that called last.	
					Billing for Transferred Outgoing Call	
					0/1 = Split/Total Billing Note: Total Billing means telephone that called last.	
			0	b ₇	Not used	
	34-40	00			Not used	
	41			b ₀ -b ₆	OG Queuing Override - DDD Seizing Timer (for FCCS Service) Timer Counter (TC) is to be assigned a value from 01 HEX to 7F HEX. Timer Value Setting is (TC) × 30 seconds Note: When this data (TC) is 00 HEX, default data of three minutes is set.	
			0		Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	42		0	b ₀ -b ₆	Not used	
				b ₇	Service Set Tone (SST), Special Dial Tone (SPDT) 0/1 = Continuous/Burst	
	43-46	00			Not used	
	47			b ₀	Traffic Measurement Indication 0/1 = CCS Indication/Erlang Indication	
			0	b ₁ -b ₆	Not used	
				b ₇	Traffic Measurement for Terminal and Route Traffic (ATRFN) 0/1 = Out of service/In service	
	48-58	00			Not used	
	59		0	b ₀	Not used	
			0	b ₁	Not used	
				b ₂	DID Busy Condition 0/1 - Not Tone/Reorder Tone (ROT)	
			0	b ₃ -b ₇	Not used	
	60		0	b ₀ -b ₂	Not used	
				b ₃	UCD Queuing - FCCS 0/1 = Available/Unavailable	
			0	b ₄ -b ₇	Not used	
	61-64	00			Not used	
	65				Maximum Number of Routes 1-255 = 01-FF HEX	
	66-67	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	68			b ₀	Operating method for busy station service (Call Back, Executive Right-of-Way, etc.) 0/1 = SHF × Access Code/SHF × Access Code and Last Digit × Access Code	
			0	b ₁	Not used	
			0	b ₂	Not used	
				b ₃	OG Trunk Queuing (On-Hook) Automatic Cancel (for FCCS Service) 0/1 = Out of service/In service	
			0	b ₄ -b ₇	Not used	
	69		0	b ₀ -b ₄	Not used	
				b ₅	Hunting Group when transferred party is busy (Station Hunting after CF - Busy Line) (for FCCS Service) 0 = Hunt in Transferring Party's Group 1 = Hunt in Transferred Party's Group	
			0	b ₆	Not used	
				b ₇	Multiple Call Forwarding - Busy Line/All Calls (for FCCS Service) 0/1 = Out of service/In service	
					Note: Regardless of this data setting, a call can be forwarded unlimited number of times by Call Forwarding - Don't Answer [C-3] or Call Forwarding - PS Incoming Incomplete [C-155].	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	70		0	b ₀ -b ₃	Not used	
				b 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.	
			0	b ₅	Not used	
				b ₆	Announcement Trunks used for Delay Announcement - UCD service (for FCCS Service) 0/1 = Common/Per UCD group	
				b ₇	Send Warning Tone to interrupted parties when Executive Right-of-Way service is in operation 0/1 = Required/Not Required	
	71			b ₀ -b ₃	Call Back Automatic Cancel Timer Value = TX (1 HEX to F HEX) × MTC (3.5 minutes) This Timer can be assigned a value from 3.5 minutes to 52.5 minutes.	
			0	b ₄ -b ₆	Not used	
				b ₇	Enable Call Back Automatic Cancel Timer 0/1 = No/Yes	
	72-76	00			Not used	
	77		0	b ₀	Not used	
			0	b ₁		
				b ₂	MW Refresh 0/1 = Required/Not Required Note: When message Waiting Lamp is provided, this data should be assigned "0."	
			0	b ₃ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	78		1	b ₀	Calling and Intermediate station number indication (Desktop terminal and ATTCON) 0/1 = Out of service/In service (Always assign “1.”)	
			1	b ₁	Kind of Service Class indication (Desktop terminal) 0/1 = Out of service/In service (Always assign “1.”)	
			0	b ₂ -b ₇	Not used	
	79		0	b ₀	Not used	
			0	b ₁		
				b ₂	Split Call Forwarding Service 0/1 = In service/Out of service	
			0	b ₃ -b ₇	Not used	
	80-90	00			Not used	
	91		0	b ₀	Not used	
			0	b ₁		
				b ₂	Grades of System Message that can be registered: <u>b₃</u> <u>b₂</u> 0 0 = Register All System Message Data 0 1 = Register System Message Data higher than Grade 1 (SUP, MN, MJ) 1 0 = Register System Message Data higher than Grade 2 (MN, MJ) 1 1 = Register System Message Data higher than Grade 3 (MJ)	
				b ₃		
			0	b ₄ -b ₇		
	92-158	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	159			b ₀ -b ₆	OG Trunk Queuing Automatic Cancel Timer (for FCCS Service): Miscellaneous Timer Counter (MTC) is assigned a value from 0 HEX to 7F HEX (0~127).	The duration before the OG Queuing memory becomes cleared if no trunks become idle. Timer Value Setting is MTC × 30 seconds. Note: When this data is 00 HEX, default data is automatically set to 30 minutes. This timer is effective when ASYDN, SYS1, Index 68, b₃=1.
			0	b ₇	Not used	
	160	00			Not used	
	161		0	b ₀ -b ₅	Not used	
				b ₆	Timing Start using “#” code 0/1 = Ineffective/Effective	
				b ₇	Timing Start using “*” 0/1 = Ineffective/Effective	
	162-169	00			Not used	
	170		0	b ₀ -b ₃	Not used	
				b ₄	Timing Start 0/1 = Not required/Required	
			0	b ₅ -b ₇	Not used	
	171-185	00			Not used	
	186			b ₀	0/1 = Link Reconnection Not Involved/Link Reconnection Involved Note: An Interoffice transfer service is available. For example, with CCIS, a caller has called outside his own office but is actually talking with somebody in his own office. This bit is used to reconfigure links so they are not wasted in call transfer service.	
			0	b ₁ -b ₇	Not used	
	187-247	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	248		0	b ₀ -b ₅	Not used	
				b ₆	SMDR output information is changed at ISDN interface node for adapting to CCIS network. 0 = Incoming RT/TRK number is output as the caller information 1 = Calling number in ISDN and CCIS network is output as the caller information	
			0	b ₇	Not used	
	249-303	00			Not used	
	304			b ₀	Individual Speed Calling Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)	
				b ₁	Call Forwarding Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ = 1)	
			0	b ₂	Not used	
				b ₃	Name Display Data Save 0/1 = Out of service/In service (This data is valid when SYS1, Index 90, b ₁ =1)	
			0	b ₄ -b ₇	Not used	
	305-320	00			Not used	
	321		0	b ₀	Not used	
			0	b ₁		
				b ₂	Termination on My Line 0/1 = Not restricted/Restricted	
			0	b ₃ -b ₆	Not used	
				b ₇	Voice Call Chime 0/1 = 4/1 Chime	
	322-389	00			Not used	
	390			b ₀	Caller ID display pattern on the LCD (Top line) 0/1 = Calling Name/Calling Number has priority.	
			0	b ₁ -b ₇	Not used	
	391-513	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)																		
			DATA 0/1	BIT																				
1	514	01		b ₀ -b ₇	Network Data Memory (NDM) usage. Assign data “1” (the memory block is used) for the corresponding memory block. Note: The change of this data setting can be applied without reset. Note 1 <table><thead><tr><th>bit</th><th>Memory Block</th></tr></thead><tbody><tr><td>b₀</td><td>Memory Block #0</td></tr><tr><td>b₁</td><td>Memory Block #1</td></tr><tr><td>b₂</td><td>Memory Block #2</td></tr><tr><td>b₃</td><td>Memory Block #3</td></tr><tr><td>b₄</td><td>Memory Block #4</td></tr><tr><td>b₅</td><td>Memory Block #5</td></tr><tr><td>b₆</td><td>Memory Block #6</td></tr><tr><td>b₇</td><td>Memory Block #7</td></tr></tbody></table>	bit	Memory Block	b ₀	Memory Block #0	b ₁	Memory Block #1	b ₂	Memory Block #2	b ₃	Memory Block #3	b ₄	Memory Block #4	b ₅	Memory Block #5	b ₆	Memory Block #6	b ₇	Memory Block #7	
	bit	Memory Block																						
	b ₀	Memory Block #0																						
	b ₁	Memory Block #1																						
	b ₂	Memory Block #2																						
b ₃	Memory Block #3																							
b ₄	Memory Block #4																							
b ₅	Memory Block #5																							
b ₆	Memory Block #6																							
b ₇	Memory Block #7																							
	515-529	00			Not used																			
	530 Note 2			b ₀ -b ₃	Miscellaneous Timer Counter (MTC) for FCCS Health Check Timer MTC = 1 - 15 (1 - F HEX)																			
			b ₄ -b ₆	Timer Class (TC) for FCCS Health Check Timer 0 = - 1 = - 2 = - 3 = 2 seconds 4 = 30 seconds 5 = 5 minutes 6 = - 7 = 8 seconds																				
			b ₇	FCCS Health Check Timer 0/1 = In service/Out of service																				
	531-532	00			Not used																			
	533			b ₀ -b ₇	FPC that accommodates center VND (1~253) Note: Assign the FPC of ACDP accommodated node. Note: If this command is modified, the system must be initialized.																			

Note 1: Necessary data for the programming commands for NDM. When the Network Data Memory is not enough, change the value from 03 H → 07 H → 0F H → 1F H → 3F H → 7F H → FF H. Usually 01 H is assigned. To expand more, use Index 957, b₀ to b₇ (01H → 03H → 07H → 0FH → 1FH → 3FH → 7FH → FFH)

Note 2: FCCS Health Check Timer value is determined by MTC x TC seconds. When this data is 00 H, default value 30 seconds is automatically set.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	534		0	b ₀ -b ₅	Not used	
				b ₆	System Message [36-F]/[36-K] output for FCCS Health Check 0/1 = In service/Out of service	
			0	b ₇	Not used	
	535-582	00			Not used	
	583		0	b ₀ -b ₆	Not used	
				b ₇	Node that collects the billing of SMDR activated in the FCCS Network. 0 = node accommodating the calling party 1 = node accommodating the outgoing trunk or the called party	
	584-588	00			Not used	
	589		0	b ₀ -b ₅	Not used	
				b ₆	Calling Party Number Information to be output to SMDR 0/1 = Pre-translated Number/Translated Number	
			0	b ₇	Not used	
	590-640	00			Not used	
	641		0	b ₀ -b ₅	Not used	
				b ₆	Node for a sender to be selected when originating a trunk call via Peer-to-Peer FCCS. 0 = Node accommodating the calling party (*Node accommodating the outgoing trunk is selected if this node cannot be selected.) 1 = Node accommodating the outgoing trunk (*Node accommodating the calling party is selected if this node cannot be selected.)	
			0	b ₇	Not used	
	642-651	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	652			b_0-b_3	Payload Type for FAX control between Legacy Stations/ External Trunks via FCCS over IP network 0: - 1: G.711 2: G.726 3: T.30 4-5: Not used Note: When Index 652=0 is set, "payload type: G.711" and "payload size: 40ms" are applied as default data. (Even if payload size is set by Index 653, payload size is fixed to 40ms.)	
			0	b_4-b_7	Not used	
	653			b_0-b_4	Payload Size for FAX control between Legacy Stations/Ex- ternal Trunks via FCCS over IP network 0: - 1: 10 milliseconds 2: 20 milliseconds 3: 30 milliseconds 4: 40 milliseconds 5-31: Not used Note: This data is effective when Index 652=1 (G.711) or 2 (G.726) is set. Note: When Index 652=1 (G.711) or 2 (G.726) is set and Index 653=0 is set, default data "payload size: 40ms" is applied.	
			0	b_5-b_7	Not used	
	654			b_0-b_7	Jitter Buffer size for FAX control between Legacy Stations/ External Trunks via FCCS over IP network 1-30: 10 milliseconds - 300 milliseconds Note: When the value 0 is set, "150 milliseconds" is set as default data.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	655			b_0	Use common/separate system message for Peer-to-Peer Fusion Health Check NG (Temporary/Permanent). Note 1 0 = common 1 = separate	
				b_1	Use common/separate system message for FCH/IPTRK Fusion Health Check NG (Temporary/Permanent). Note 1 Note 2 0 = common 1 = separate	
				b_2	Use common/separate system message for Internal LAN Direct Connection Fusion Health Check NG (Temporary/Permanent). Note 1 Note 2 0 = common 1 = separate	
			0	b_3-b_7	Not used	

Note 1: When “common” is selected, [36-F] Fusion Health Check Report (Temporary/Permanent) is output for the temporary/permanent timeout of Fusion Health Check.
When “separate” is selected, [36-F] Fusion Health Check Report (Temporary/Permanent) is output for the temporary timeout of Fusion Health Check, and [36-T] Fusion Health Check Report (Permanent) for the permanent timeout of Fusion Health Check.

Note 2: For IPX only.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	656			b_0-b_3	The number of times that Fusion Health Check time-out occurred to trigger temporary failure message output of [36-F] Fusion Health Check Report (Temporary/Permanent) and FCCS link block execution.; 0: 1 time (default) 1: 1 time 2: 2 times 3: 3 times 4: 4 times 5: 5 times 6: 6 times 7: 7 times 8: 8 times 9: 9 times 10: 10 times 11: 11 times 12: 12 times 13: 13 times 14: 14 times 15: 15 times	
			0	b_4-b_7	Not used	
	657-671	00			Not used	
	672			b_0	Location of Telephone Number Displayed on Desktop terminal 0/1 = Up to 8-digit Extension Number Display on the First Line of Desktop terminal/Up to 16-digit Extension Number Display on the Second Line of Desktop terminal	
			0	b_1-b_7	Not used	
	673-676	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	677		0	b ₀	Not used	
				b ₁	Choice of Desktop terminal time display format 0/1 = 12-our display/24-our display Note: Refer to Service Condition of Multilingual Display [M-117] for the condition of firmware.	
				b ₂	Display type for day of the week and month 0/1 = Type 1 (Display for Europe)/Type 2 (Standard) Note: This data setting is available for Digital terminals.	
			0	b ₃	Not used	
				b ₄	When received an incoming call from the station whose call history data is left on the list. 0/1 = Save the call history data on the list/Overwrite the call history data on the list Note: This command is available only for EMEA.	
				b ₅	Multiple Tone - D 0/1 = In service/Out of service.	
			0	b ₆ -b ₇	Not used	
	678			b ₀	Not used	
				b ₁	Notification of opposite party information to softphones 0/1 = Out of service/In service	
				b ₂	Not used	
				b ₃	Enables the operating station to connect to the conference before the called party answers or while the operating station being held by the called party. 0/1 = Out/In Service	
				b ₄ -b ₅	Not used	
				b ₆	Preference for the type of caller information to be displayed in the Call History 0/1 = Follows the setting of ASYD, System Data 1, Index 390, Bit 0/Displays Calling Number	
				b ₇	Record of a call answered by a station other than the original destination station through Call Pickup or Sub Line 0 = Kept only on the original destination station (My Line). 1 = Kept on both original destination station (My Line) and answering station	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	679		0	b ₀	Not used	
				b ₁	Multiple Session for SIP Multiple Line Terminals. 0/1 = Out of Service/In Service Note: When this data is changed, re-registration of the terminal is required.	
				b ₂	Optional Language Pack Loading 0/1 = Out of Service/In Service	
				b ₃	Call Forward Line Lamp Indication 0/1 = Out of Service/In Service Note: When this data is changed, setting and canceling Make-Busy for a station by the MBST command are required.	
				b ₄	Call Park Group -D across MGs/IMGs 0/1 = Out of Service/In Service Note: When enabling/disabling this data setting, delete all data assigned through the APGS, APGN and ADGN commands in advance. Note: Refer to the section of Programming in CALL PARK GROUP - D [C-176D].	
				b ₅	CALL PICKUP - ONE TOUCH Feature key 0/1 = Out of Service/In Service	
				b ₆	Last Login Info Retention [L-57] 0/1 = Out of Service/In Service	
			0	b ₇	Not used	
	680			b ₀	IPG (Digital) 0/1 = Disabled/Enabled	
				b ₁	IPG (Analog) 0/1 = Disabled/Enabled	
			0	b ₂ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	681			b ₀	Number of lines displayed for Call History 0/1 = 4 lines/3 lines	
				b ₁	Number of lines displayed for Phonebook 0/1 = 4 lines/3 lines	
				b ₂	Preference for classifying calls picked up by non-ring station as an answered call or a missed call 0/1 = Answered call/Missed call	
				b ₃	Line Lamp Priority for Call Forward Line Lamp Indication 0 = Message Waiting Lamp Setting - Station [M-30] has priority over Call Forward Line Lamp Indication [C-206] 1 = Call Forward Line Lamp Indication [C-206] has priority over Message Waiting Lamp Setting - Station [M-30] Note: When this data is changed, setting and canceling Make-Busy for a station by the MBST command are required.	
				b ₄	Terminal's registration to the system when MAC address information update is failed 0/1: Allow//Restrict	
				b ₅	Apply Last Login Info Retention [L-57] to Soft Phone (Soft Client SP350) 0/1: Not apply/Apply	
				b ₆	Last Login Info Retention [L-57] with Terminal Remote Login (When Remote Node and Self Node connected via FCCS network have the same UGN number) 0/1: In Service/Out of Service	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	682			b ₀	Display Line Information when a terminal is idle. 0/1=Out of Service/In Service	
				b ₁ -b ₂	The default display items of Line Information. b ₁ b ₂ 0 0 = Name + Number 1 0 = Number (16 digits) 0 1 = Name (24 characters) 1 1 = Not to display	
				b ₃	The line to be used for displaying Line Information. 0/1=My Line/ Prime Line	
				b ₄	The Name Information to be used in priority for displaying Line Information. 0=System Phone Book (APBKN command) 1=Name Display (ANDD command)	
				b ₅	The format to display the number on an idle terminal. 0= [Number] (number in brackets) 1=: Number (“:” before number)	
				b ₆	When selecting [Name + Number] for the default display of Line Information. • In the case of bit5=0, Number in brackets. 0= Name 12 characters + Number 10 digits 1= Name 16 characters + Number 6 digits • In the case of bit 5=1, “:” before Number. 0= Name 12 characters + Number 11 digits 1= Name 16 characters + Number 7 digits	
				b ₇	Settings for flashing Line Information when originating a call. 0/1= No Flash/ Flash	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	683		0	b ₀ -b ₃	Not used	
				b ₄	The maximum number of registration data for System Phonebook 0/1 = 12000 registrations/60000 registrations Note: Available for FP95-112 V2 or later.	
			0	b ₅	Not used	
				b ₆ -b ₇	The lines to display Line Information. In the case of DT710 (8-button type)/DT830/DT730/ DT750 b ₆ b ₇ 0 0 2nd line 1 0 3rd line In the case of DT410/DT310 (6-button type)/DT430/ DT330/DT710 (6-button type) b ₆ b ₇ 0 0 1st line 1 0 2nd line	
	684			b ₀	11 characters indication for Feature key information on DESI-Less Terminal. 0/1 = In service/Out of service Note: Available for DT800/DT700/DT400/DT300 Series.	
				b ₁	DESI-Less icon display. 0/1 = In service/Out of service	
			0	b ₂ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA																		
			DATA 0/1	BIT																				
1	685			b ₀ -b ₂	Ringing Tone for Call Pickup - One Touch Key																			
					<table><tr><th>Bit 0-2</th><th>Ringer Pattern</th></tr><tr><td>0</td><td>No tone</td></tr><tr><td>1</td><td>Ringer pattern 1 (ASYD, SYS3, Index 1)</td></tr><tr><td>2</td><td>Ringer pattern 0 (ASYD, SYS3, Index 0)</td></tr><tr><td>3</td><td>Ring continuously for 0.5 seconds ON/OFF.</td></tr><tr><td>4</td><td>Not used (The setting is prohibited.)</td></tr><tr><td>5</td><td>Ringer pattern 5 (ASYD, SYS3, Index 7)</td></tr><tr><td>6</td><td>Ringer pattern 6 (ASYD, SYS3, Index 8)</td></tr><tr><td>7</td><td>Ringer pattern 7 (ASYD, SYS3, Index 9)</td></tr></table>		Bit 0-2	Ringer Pattern	0	No tone	1	Ringer pattern 1 (ASYD, SYS3, Index 1)	2	Ringer pattern 0 (ASYD, SYS3, Index 0)	3	Ring continuously for 0.5 seconds ON/OFF.	4	Not used (The setting is prohibited.)	5	Ringer pattern 5 (ASYD, SYS3, Index 7)	6	Ringer pattern 6 (ASYD, SYS3, Index 8)	7	Ringer pattern 7 (ASYD, SYS3, Index 9)
			Bit 0-2		Ringer Pattern																			
			0		No tone																			
			1		Ringer pattern 1 (ASYD, SYS3, Index 1)																			
			2		Ringer pattern 0 (ASYD, SYS3, Index 0)																			
			3		Ring continuously for 0.5 seconds ON/OFF.																			
4	Not used (The setting is prohibited.)																							
5	Ringer pattern 5 (ASYD, SYS3, Index 7)																							
6	Ringer pattern 6 (ASYD, SYS3, Index 8)																							
7	Ringer pattern 7 (ASYD, SYS3, Index 9)																							
	Note: Available for FP95-115 V5 or later.																							
	Call Pickup - One Touch Key Enhancement																							
	0/1 = Disabled/Enabled																							
	Note: Available for FP95-115 V5 or later.																							
	Note: In this parameter, assign Enable to use the following commands: • ASYDL/ASYDN, SYS1, Index 685, Bit 0-2 • ASYDL/ASYDN, SYS1, Index 685, Bit 4=1 • RG=7 setting for AKYD/AKYD_T command																							
		Call Pickup information display on LCD																						
		0/1 = Enabled/Disabled																						
		Note: Available for FP95-115 V5 or later.																						
		Picking up an incoming call which arrives to Call Pickup Group of Call Pickup - Direct [C-30]																						
		0/1 = Disabled/Enabled																						
		Note: Available for FP95-115 V5 or later.																						
	0	b ₆	Not used																					
			b ₇	Answering a call in order of incoming calls for Call Pickup - One Touch Key [C-207]																				
				0/1 = Disabled/Enabled																				
				Note: Available for FP95-115 V5 or later.																				

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	686			b ₀	Disabling Call Forwarding - All Calls with entry Access Code 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 2.0 or later.	
				b ₁	IP DSS mode 0/1 = Disabled/Enabled Note: Available for FP95-114 V4 Issue 2.0 or later.	
				b ₂	Call Forwarding via trunks of a station assigned to a key on DSS Console 0/1 = Disabled/Enabled Note: Available for FP95-114 V4 Issue 2.0 or later.	
			0	b ₃	Not used	
				b ₄	Availability of AUTOMATIC IDLE RETURN for handset and headset (off-hook). 0/1 = Available only when hands-free operation is activated (on-hook)/Available when activating hands-free operation (on-hook) and using handset or headset (off-hook) Note: Available for FP95-114 V4 Issue 2.0 or later.	
				b ₅	Sub Line Call History (unanswered calls and calls answered in other station). 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 4.0 or later.	
				b ₆	Call History used in combination with Call Waiting features and Executive Right-of-Way features. 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 4.0 or later.	
				b ₇	Setting for Azerbaijani/Turkish. 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 4.0 or later. Note: Assign 1 only if Azerbaijani/Turkish is used.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	687-701	00			Not used	
	702			b_0	The number of digits for Telephone Number of the SP Controlled SIP terminals. 0=Maximum 12 digits of Telephone Number (default) 1=More than 12 digits (16 digits at the maximum) of Telephone Number is available Note: To change the data from bit0=1 to bit0=0: 1.List the data for all nodes by the "LSPO" command. 2.Delete the SP Controlled SIP Terminal data whose the end of the "PS NO (HEX)" is "0F". Note: When this data is changed, re-registration of the SP Controlled SIP terminals is required. If SIP Wireless Terminal Backup [S-154] is activated, re-registration is not required.	
			0	b_1-b_4	Not used	
				b_5	Digest Authentication when the system receives a response without "qop" parameter from Standard SIP terminal. 0/1=Out of Service/In Service Note: Available only in the EMEA area.	
			0	b_6-b_7	Not used	
	703-799	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	800			b ₀	ALGNL/ALGNN, ALGSL/ALGSN command tenant UGN (User Group Number) table development 0/1 = Separate/Common	
				b ₁	ASPAL/ASPAN command tenant data table development 0/1 = Separate/Common Note: This data cannot be changed when any data is assigned in ASPAL or ASPAN command.	
				b ₂	ANPDL/ANPDN command tenant data table development 0/1 = Separate/Common	
				b ₃	APCNL/APCNN command tenant data table development 0/1 = Separate/Common	
				b ₄	AFRSL/AFRSN, AUNEL/AUNEN command tenant data table development 0/1 = Separate/Common	
				b ₅	ASTPL/ASTPN command tenant data table development 0/1 = Separate/Common	
				b ₆	ARSCN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	
				b ₇	AAEDL/AAEDN command tenant data table development 0/1 = Separate/Common	
	801		0	b ₀	Not used	
				b ₁	AMNDL/AMNDN command tenant data table development 0/1 = Separate/Common	
				b ₂	AUGNN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	
				b ₃	ASPDN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	
				b ₄	ACFRN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	
				b ₅	APCRN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	
				b ₆	AEFRN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	
				b ₇	AATCN command tenant data table development of Network Data Memory (NDM) 0/1 = Separate/Common	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	802			b ₀	AHSPL/AHSPN command tenant table development 0/1= Separate/Common	
				b ₁	ATDPEL/ATDPEN command tenant data table development 0/1= Separate/Common	
				b ₂	AINDL/AINDN command tenant data table development 0/1= Separate/Common	
				b ₃	APBKN command tenant data table development of Net- work Data Memory (NDM) 0/1= Separate/Common	
			0	b ₄ -b ₇	Not used	
	803		0	b ₀	Not used	
				b ₁	Consultation Hold Release 0/1 = Out of service/In service	
			0	b ₂ -b ₇	Not used	
	804		0	b ₀ -b ₁	Not used	
				b ₂	DM and NDM data for the FCCS route restriction class (AR- SC/ARSCN and ARRC/ARRCN) can coexist in the net- work. 0/1 = Invalid/Valid	
				b ₃	The number of digit for Internal Zone Paging Group ID 0/1 = Two digits/Three digits	
			0	b ₄ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	805		0	b ₀ -b ₂	Not used	
				b ₃	Notification by Audible Alert when receiving a new message (for North America only) 0 = Audible Alert for the first message 1 = Audible Alert for all the messages	
				b ₄	Audible Alert setting (for North America only) 0 = Audible Alert by SFC and FKY 1 = Audible Alert for all stations in the system	
				b ₅	The expansion of Account Code length (for North America only) 0 = 10 digits account code 1 = 24 digits account code	
			0	b ₆ -b ₇	Not used	
	806-817	00			Not used	
	818		0	b ₀ - b ₂	Not used	
				b ₃	16-digit Dial Plan Support for IP Centrex Functionality 0/1=In Service/Out of Service (This data is valid when SYS1, Index 818, b5=1)	
			0	b ₄	Not used	
				b ₅	Dial Plan to support IP Centrex Functionality 0/1=Out of service/In service	
			0	b ₆ -b ₇	Not used	
	819-830	00			Not used	
	831		0	b ₀ -b ₄	Not used	
				b ₅	RTP packet communication error warning tone 0 = Playback the warning tone 1 = Do not playback the warning tone	
				b ₆	CCIS over IP Health Check Enhancement 0/1 = Disabled/Enabled	
			0	b ₇	Not used	
	832	00			Not used	
	833		0	b ₀ -b ₄	Not used	
				b ₅	Calling Party Number Information to be output to MCI 0/1 = Pre-translated Number/Translated Number	
			0	b ₆ -b ₇	Not used	
	834-862	00			Not used	
	863		0	b ₀ -b ₁	Not used	
				b ₂	Soft Phone - Other Party Information Readout 0/1 = Out of service/In service	
			0	b ₃ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	864		0	b ₀ -b ₂	Not used	
				b ₃	Multiple ACDP/IP 0/1 = Out of service/In service Note: If this command is modified, the system must be initialized.	
				b ₄	Assign the maximum number of ports of Status Monitoring for terminal (SMFN). 0/1 = Two ports/Eight ports (normal setting) Note: When Status Monitor Facility Request (SMFR) FN=126 is used, always assign 0 (two ports). Note: The identical data value must be assigned to all nodes in the FCCS Network. Note: Refer to "OAI System Restart Processing" in Data programming Manual - OAI for detailed information.	
			0	b ₅ -b ₇	Not used	
	865-866	00			Not used	
	867		0	b ₀ -b ₂	Not used	
				b ₃	Improvement of SCF6 Request for Monitor Connection in ACD feature 0/1 = Out of service/In service	
			0	b ₄ -b ₆	Not used	
				b ₇	16-digit OAI Station Number Information in Terminal Identifier 0/1 = Invalid/Valid	
	868		0	b ₀ -b ₄	Not used	
				b ₅	Fix Direct Inward Dialing number to 12 digits (SMFR) 0/1=Invalid/Valid	
			0	b ₆ -b ₇	Not used	
	869		0	b ₀ -b ₅	Not used	
				b ₆	Monitor Function for IP terminals 0/1 = Out of service/In service	
				b ₇	Monitor Function for IP terminal-LAN 0/1 = Multi-path Connection/Single-path Connection	
	870			b ₀	FLF FCCS Service 0/1 = Invalid/Valid	
			0	b ₁ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	871		0	b ₀ -b ₄	Not used	
				b ₅	IP Centrex for OAI 0/1 = Out of service/In service	
			0	b ₆ -b ₇	Not used	
	872-873	00			Not used	
	874			b ₀	Multi-Path Monitor Connection 0/1 = Disabled/Enabled	
			0	b ₁ -b ₂	Not used	
				b ₃	ACDP Automatic Logoff 0/1 = Out of service (Default)/In service Note: Not available in North America.	
			0	b ₄ -b ₇	Not used	
	875			b ₀	SMFN FN9 STS=01: Dial Number Notification (Call Forwarding) 0/1 = Out of service/In service	
				b ₁	SMFN FN9 STS=02: Dial Number Notification (Busy) and 03: Dial Number Notification (ROT) 0/1 = Out of service/In service	
			0	b ₂ -b ₇	Not used	
	876	00			Not used	
	877		0	b ₀ -b ₃	Not used	
				b ₄	Notification of Registration of the IP Stations 0/1 = Out of service/In service Note: Available since FP95-113 V3.	
			0	b ₅ -b ₇	Not used	
	878			b ₀	VNDM broadcasting when FCCS link is reestablished 0/1 = Enabled/Disabled	
			0	b ₁ -b ₅	Not used	
				b ₆	Notification of the current participant disconnection from the original call with the other two on hold 0 = SMFN FN=3 STS=0 (Normal release) 1 = SMFN FN=3 STS=4 (Disconnect from a Three-Way Call)	
				b ₇	Call Hold/Retrieve During Three-Way Call by SCF 0/1 = Out of service/In service	
	879-894	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	895		0	b_0-b_2	Not used	
				b_3	Allows the user to overwrite the existing forwarding destination number with new one when setting CALL FORWARDING - I'M HERE. 0/1 = Out of service/In service	
				b_4	Determines whether to use "#" or "*" as a character which indicates the completion of Station ID Codes. 0/1 = "#" is used as a character which indicates the completion of Station ID Codes./"*" is used as a character which indicates the completion of Station ID Codes.	
				b_5	To activate CALL BACK-CCIS [C-44] in the same operation with CALL BACK [C-1]. 0/1 = Out of service/In service	
			0	b_6-b_7	Not used	
	896-956	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA																		
			DATA 0/1	BIT																				
1	957			b ₀ -b ₇	Network Data Memory (NDM) expanded memory block usage. Assign “1 (the memory block is used)” to the corresponding bit. <table><tr><th>bit</th><th>Memory Block</th></tr><tr><td>b₀</td><td>NDM Memory Block #8</td></tr><tr><td>b₁</td><td>NDM Memory Block #9</td></tr><tr><td>b₂</td><td>NDM Memory Block #10</td></tr><tr><td>b₃</td><td>NDM Memory Block #11</td></tr><tr><td>b₄</td><td>NDM Memory Block #12</td></tr><tr><td>b₅</td><td>NDM Memory Block #13</td></tr><tr><td>b₆</td><td>NDM Memory Block #14</td></tr><tr><td>b₇</td><td>NDM Memory Block #15</td></tr></table> Note: The data size is 2MB per memory block. Note: This Index is fixed to 00H except when Index 514 = FFH. Note: When the Network Data Memory is not enough, change the value from 01H → 03H → 07H → 0FH → 1FH → 3FH → 7FH → FFH. Note: System Initialization is not required for changing this data. Note: To delete a memory block, execute the DDMO command and press the "Detail" button; a memory block can be deleted only when the Used-size of the relevant memory block (2MB) is 4,096 bytes.	bit	Memory Block	b ₀	NDM Memory Block #8	b ₁	NDM Memory Block #9	b ₂	NDM Memory Block #10	b ₃	NDM Memory Block #11	b ₄	NDM Memory Block #12	b ₅	NDM Memory Block #13	b ₆	NDM Memory Block #14	b ₇	NDM Memory Block #15	
	bit	Memory Block																						
	b ₀	NDM Memory Block #8																						
	b ₁	NDM Memory Block #9																						
	b ₂	NDM Memory Block #10																						
b ₃	NDM Memory Block #11																							
b ₄	NDM Memory Block #12																							
b ₅	NDM Memory Block #13																							
b ₆	NDM Memory Block #14																							
b ₇	NDM Memory Block #15																							
	958-959	00			Not used																			
	960		0	b ₀	Not used																			
			b ₁	UG50 Multi-mode information registration with AUPDN command 0/1 = Out of service/In service Note: Available from FP95-114 V4 Issue 2.0.																				
0			b ₂ -b ₇	Not used																				
	961-962																							

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	963		0	b ₀	Not used	
				b ₁	Location Diversity Feature 0/1 = Out of service/In service	
			0	b ₂	Not used	
				b ₃	Whether to distribute a call to controlling stations when UCD pilot station moves to the Backup Node. (In FCCS Cluster) 0/1 = Distributed/Not distributed	
			0	b ₄ -b ₇	Not used	
	964- 1003	00			Not used	
	1004			b ₀	Program Version Information Data assigned by ASYDN, SYS 1, Indexes 1005-1008. 0/1 = Invalid/Valid Note 1, Note 2	
			0	b ₁ -b ₇	Not used (Fixed to 0).	
	1005				Program Version Information Data Note 1, Note 2	
	1006				Program Version Information Data Note 1, Note 2	
	1007				Program Version Information Data Note 1, Note 2	
	1008				Program Version Information Data Note 1, Note 2	
	1009- 1057	00			Not used	
	1058				Fusion Point Code (FPC) of Control Node in hexadecimal. FPC 0-253 (00 HEX-FD HEX)	
	1059				CM data periodic Refresh Time (Hour): 01-24 (using a dec- imal number)	

Note 1: When assigning the program version data, be sure to assign ASYDN, SYS1, Indexes 1005-1008 first, and then ASYDN, SYS1, Index 1004, Bit 0. If these data are not assigned in the correct order (ASYDN, SYS1, Indexes 1005-1008 → ASYDN, SYS1, Index 1004, Bit 0), proper operation of the software is not guaranteed.

Note 2: When deleting the program version data, be sure to assign ASYDN, SYS1, Index 1004, Bit 0 first, and then ASYDN, SYS1, Indexes 1005-1008. If these data are not assigned in the correct order (ASYDN, SYS1, Index 1004, Bit 0 → ASYDN, SYS1, Indexes 1005-1008), proper operation of the software is not guaranteed.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1060				CM data periodic Refresh Time (Minute): 00-59 (using a decimal number)	
	1061-1087	00			Not used	
	1088			b ₀	Advice of Charge (AOC) Terminal Indication Format for EMEA 0/1 = -/EMEA format	
			0	b ₁ -b ₃	Not used	
				b ₄	Multi-Boss/Multi-Secretary Away per Boss Feature 0/1=Disable/Enable	
				b ₅	Extended Addressing/COLP Feature 1 0/1=Disable/Enable	
				b ₆	Extended Addressing/COLP Feature 2 0/1=Disable/Enable	
					Note: Available when ASYDL SYS1 Index1088 Bit 5 = 1.	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA																																		
			DATA 0/1	BIT																																				
1	1089			b ₀ -b ₂	The number of Stand-In Secretary’s Stations to be used with MULTI-BOSS/MULTI-SECRETARY Overriding from a Stand-In Secretary <table border="1"><thead><tr><th>BIT2</th><th>BIT1</th><th>BIT0</th><th>Stand-In Secretaries</th></tr></thead><tbody><tr><td>0</td><td>0</td><td>0</td><td rowspan="3">Secretaries 1 - 2 (Default Setting)</td></tr><tr><td>0</td><td>0</td><td>1</td></tr><tr><td>0</td><td>1</td><td>0</td></tr><tr><td>0</td><td>1</td><td>1</td><td>Secretaries 1 - 3</td></tr><tr><td>1</td><td>0</td><td>0</td><td>Secretaries 1 - 4</td></tr><tr><td>1</td><td>0</td><td>1</td><td>Secretaries 1 - 5</td></tr><tr><td>1</td><td>1</td><td>0</td><td>Secretaries 1 - 6</td></tr><tr><td>1</td><td>1</td><td>1</td><td>Secretaries 1 - 7</td></tr></tbody></table> Note: This data is valid when ASYDN, System Data 1, Index 1089 bit 3=1 is set.	BIT2	BIT1	BIT0	Stand-In Secretaries	0	0	0	Secretaries 1 - 2 (Default Setting)	0	0	1	0	1	0	0	1	1	Secretaries 1 - 3	1	0	0	Secretaries 1 - 4	1	0	1	Secretaries 1 - 5	1	1	0	Secretaries 1 - 6	1	1	1	Secretaries 1 - 7	
			BIT2		BIT1	BIT0	Stand-In Secretaries																																	
			0		0	0	Secretaries 1 - 2 (Default Setting)																																	
			0		0	1																																		
			0		1	0																																		
			0		1	1	Secretaries 1 - 3																																	
			1		0	0	Secretaries 1 - 4																																	
1	0	1	Secretaries 1 - 5																																					
1	1	0	Secretaries 1 - 6																																					
1	1	1	Secretaries 1 - 7																																					
	b ₃	MULTI-BOSS/MULTI-SECRETARY Overriding from a Stand-In Secretary 0/1=Out of Service/In Service																																						
	b ₄	MULTI-BOSS/MULTI-SECRETARY Overriding from a Secretary’s Call Forwarding Destination 0/1=Out of Service/In Service																																						
	b ₅	MULTI-BOSS/MULTI-SECRETARY Boss’ Call Forwarding Activate 0/1=Out of Service/In Service																																						
	b ₆	MULTI-BOSS/MULTI-SECRETARY Multi Line Operation 0/1=In Service/Out of Service																																						
	0	b ₇	Not used																																					

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1090 -1124	00			Not used	
	1125		0	b ₀	Not used	
				b ₁	Re-routing for legacy terminal/IP Station in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for legacy terminal/IP Station, Virtual Line.	
				b ₂	Re-routing for PS/SP Controlled Standard SIP terminal, WLAN Handset (MH Series) in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for PS/SP Controlled Standard SIP terminal, WLAN Handset (MH Series).	
				b ₃	Provides a beep when call is automatically rerouted in the event of a network failure. 0/1 = Out of service/In service Note: Set this bit to enable this feature for legacy terminal/IP Station, PS.	
				b ₄	Re-routing when receiving a call on Virtual Line in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for Virtual Line.	
			0	b ₅	Note used.	
				b ₆	Re-routing of TIE Line incoming call in the event of a network failure 0/1 = Out of service/In service Note: Set this bit to enable this feature for TIE Line incoming call.	
				b ₇	Re-routing of C.O. incoming call in the event of a network failure 0/1 = Out of service/In service. Note: Set this bit to enable this feature for C.O. incoming call.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1126		0	b ₀ -b ₃	Not used	
				b ₄	AFRSN table referred to for call handling (routing) Note 1 0/1=Former AFRSN table/New AFRSN table	
				b ₅	Table operated (for reading, writing, deleting, and listing) with the AFRSN command Note 1 0/1=Former AFRSN table/New AFRSN table	
			0	b ₆ -b ₇	Not used	

Note 1: Assign “1” to both bit 4 and 5 of ASYDN Index 1126 to reduce the office data consumption of the AFRSN command. For details, see 2.3 Reduction of Data Consumption of the AFRSN command, CHAPTER 5 DATA PROGRAMMING of Data Programming Manual - FCCS.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1127- 1130	00			Not used	
	1131		0	b ₀ -b ₃	Not used	
				b ₄	16-Digit Dial Plan Support for CCIS over IP (PHC) 0/1=In service/Out of service	
				b ₅	Display of Telephone Number when seven or more digits is specified for Telephone Number 0/1=Display/Non-Display	
			0	b ₆ -b ₇	Not used	
	1132	00			Not used	
	1133			b ₀	Flexible Network Re-routing 0/1=Out of service/In service	
				b ₁	Flexible Network Re-routing - Attendant 0/1=Out of service/In service Note: Set this bit to enable this feature for attendant incoming calls.	
				b ₂	Flexible Network Re-routing - FCCS link all busy 0/1=Out of service/In service	
			0	b ₃ -b ₇	Not used	
	1134			b ₀ -b ₇	MA-ID for Attendant Console (Least Significant Byte) Example: For MA-ID=16, set Index 1134=10 (Hex) and for set Index 1135=00 (Hex).	
	1135			b ₀ -b ₇	MA-ID for Attendant Console (Most Significant Byte) Example: For MA-ID=16, set Index 1134=10 (Hex) and for set Index 1135=00 (Hex).	
	1136			b ₀	Setting of UGN data separation for NDM of APBKN com- mand. 0/1=Individual/Common Note: Available for FP95-112 V2 or later.	
			0	b ₁ -b ₇	Not used	
	1137- 1139	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1140		0	b ₀	Not used	
				b ₁	Assignment of Boss Line to Secretary Terminal's Sub Line enabled. 0/1 = Out of service/In service	
				b ₂	Group Number Expansion for Multi Boss Secretary Group 0/1 = Out of service/In service	
			0	b ₃ -b ₇	Not used	
	1141-1143	00			Not used	
	1144			b ₀	Physical Station Number Calling Restriction 0/1 = Out of service/In service	
			0	b ₁ -b ₂	Not used	
				b ₃	Look Ahead Routing - CCIS 0/1 = In service/Out of service	
				b ₄	DM cache feature 0/1 = In service/Out of service	
				b ₅	Voice Call to a Desktop terminal in the headset mode 0/1 = Out of service/In service	
			0	b ₆	Not used	
				b ₇	Look Ahead Routing - CCIS in the event of tandem connection restriction, destination trunk busy, or incoming trunk busy when alternate routing on the originating node is enabled 0/1 = In service/Out of service	
	1145		0	b ₀ -b ₃	Not used	
				b ₄	C.O. call Information during using MG-SIP TIE Line 0/1 = Not stored/Stored	
				b ₅	MG (SIP) Guard Timer for Consecutive Incoming Calls 0/1 = Invalid/Valid Note: Value of Guard Timer for Incoming Call is always same as value of Guard Timer for Outgoing Call, so set the value of Guard Timer for Outgoing Call (ASYD SYS1 Index 474, b4-6) when setting the value of the value of Guard Timer for Incoming Call.	
			0	b ₆ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1146		0	b ₀ -b ₆	Not used	
				b ₇	Assign trigger numbers and sequence numbers when EVLOG is output 0/1 = Invalid/Valid	
	1147-1184	00			Not used	
	1185		0	b ₀ - b ₃	Not used	
				b ₄	SSF Monitoring Information Clear when the application is disconnected 0/1 = Valid/Invalid	
				b ₅	SMFN of Call Hold/Retrieve During Three-Way Call 0/1 = Out of service/In service	
			0	b ₆ - b ₇	Not used	
	1186		0	b ₀ - b ₅	Not used	
				b ₆	Automatic VNDM Reestablishment 0/1 = In service /Out of service	
				b ₇	SMFR/SSFm Restriction During Subscribe Transfer 0/1 = Out of Service/ In Service Note: Available since FP95-113 V3.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1187			b ₀ - b ₃	Number of Monitor Numbers to Use (Up to 48000) b ₃ b ₂ b ₁ b ₀ : NMI 0 0 0 0 : 4095 0 0 0 1 : 8191 0 0 1 0 : 12287 0 0 1 1 : 16383 0 1 0 0 : 20479 0 1 0 1 : 24575 0 1 1 0 : 28671 0 1 1 1 : 32767 1 0 0 0 : 36863 1 0 0 1 : 40959 1 0 1 0 : 45055 1 0 1 1 : 48000 1 1 0 0 : 48000 1 1 0 1 : 48000 1 1 1 0 : 48000 1 1 1 1 : 48000 Note: Not available in North America.	
			0		Not used	
					ETSI Addressing for OAI 0/1 = Out of service/In service	
					SCF20 monitor support 0/1 = In service/Out of service	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1188			b ₀	Calling party number selection function with SCF and extended function of SCF (FN=128) <u>b₁ b₀</u> 0 0 : Out of service 1 0 : Out of service 0 1 : Out of service 1 1 : In service Note: If 0 (disable) is specified in either Bit0 or Bit1, this feature doesn't work. If you want to enable this feature, set 1 (enable) to Bit0 and Bit1 both.	
			0	b ₂ -b ₄		
				b ₅		
				b ₆		
				b ₇		
	1189			b ₀	Quick automatic restart of monitoring when a monitored Agent retrieves the held call. 0/1 = Out of service/In service Note: Available only when Monitoring is used.(Not available when Monitor Me or Emergency/Recorder is used.) Note: Until resumption of monitoring, the supervisor's position continues ringing.	
			0	b ₁ -b ₇		

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1190		0	b ₀ -b ₅	Not used	
				b ₆	Improvement of Processing Performance (OAI) 0/1 = In service/Out of service	
				b ₇	Improvement of ACDP Processing Performance 0/1 = In service/Out of service Note: Not available in North America.	
	1191		0	b ₀	Not used	
				b ₁	Logical Port Assignment 0/1 = Out of service/In service Note: Not available in North America.	
			0	b ₂ -b ₇	Not used	
	1192		0	b ₀ - b ₃	Not used	
				b ₄	Maximum Number of ACD Multiple Queuing 0 = 4 times 1 = 10 times Maximum Number of ACD Overflows 0 = 3 times 1 = 9 times Note: If this command is modified, the system must be initialized.	
			0	b ₅ - b ₇	Not used	
	1193			b ₀	ACDP Quick Initialization 0/1 = Out of service/In service Note: Not available in North America.	
				b ₁ -b ₃	Copying Cycle of VNDM to STBY side <u>b₃ b₂ b₁</u> 0 0 0 : 5 minutes (default) 0 0 1 : 30 seconds 0 1 0 : 1 minute 0 1 1 : 3 minutes 1 0 0 : 5 minutes 1 0 1 : 10 minutes 1 1 0 : 30 minutes 1 1 1 : 60 minutes Note: Not available in North America.	
			0	b ₄ -b ₅	Not used	
				b ₆	Infolink Routing Control before RBT Connection 0/1 = With control/Without control	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1194			b_0	Extension of Programmable Announcement Messages 0 = Disabled 1 = Enabled Note: When ACD Trunk for FCCS is used, this feature is only available via FCCS over IP network. (Not available via DTI-FCCS.) Note: This feature must be disabled in the system using Attendant services.	
				b_1	Break Type Expansion 0 = 9 break types (default) 1 = 99 break types Note: System initialization is not required when you change this data.	
				b_2	SR-MGC for OAI Assign this system data to Telephony Server that is the subject of the rescue by SR-MGC using the OAI facilities or Infolink messages. 0 = Out of service 1 = In service	
			0	b_3	Not used	
				b_4	VS32 Announcement Multiple Connection 0 = Out of service 1 = In service	
				b_5-b_7	VS32 Release Guard Timer <u>b_7 b_6 b_5</u> 0 0 0 : 1 second (default) 0 0 1 : 2 seconds 0 1 0 : 4 seconds 0 1 1 : 6 seconds 1 0 0 : 8 seconds 1 0 1 : 8 seconds 1 1 0 : 8 seconds 1 1 1 : 8 seconds	
	1195		0	b_0-b_2	Not used	
				b_3	Sending SMFN answer notification (FN = 2) when the consulted party releases the consultation call 0 = Enabled 1 = Disabled	
			0	b_4-b_7	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1196-1198	00			Not used	
	1199		0	b ₀	Not used	
				b ₁	Sound to be sent at the end of ACD announcement 0 = Music On Hold (MOH) 1 = Ringback Tone (RBT) Note: Available since FP95-112 V2.	
			0	b ₂ -b ₄	Not used	
				b ₅	Restriction on SCF (FN=17) during Consultation Hold 0/1 = Disabled/Enabled Note: Be sure to assign "1" to use SCF (FN=17).	
			0	b ₆	Not used	
				b ₇	UAP/MIS connection for system in standby mode: 0/1 = Not restricted/Restricted	
	1200		0	b ₀	Not used	
				b ₁	Auto Break of Hot position with Standard SIP-IVR 0/1 = Disabled/Enabled Note: Available since FP95-113 V3. Note: Not supported in North America.	
			0	b ₂ -b ₄	Not used	
				b ₅	Output of SMFN Messages for Call Park Group -D [C-176D] 0/1 = Disabled/Enabled Note: Available since FP95-113 V3.	
				b ₆	Notification of IP Station Type (SMFR/SMFN) 0/1 = Enabled/Disabled Note: Available since FP95-114 V4.	
			0	b ₇	Not used	
	1201		0	b ₀ -b ₃	Not used	
				b ₄	Insertion of ISDN Disconnect Cause Information in SMFN Release Notification (FN = 3) 0/1 = Disabled/Enabled Note: Available since FP95-114 V4.	
			0	b ₅ -b ₇	Not used	
	1202-1239	00			Not used	
	1240		0	b ₀	Not used	
				b ₁	Consultation Hold Release - ACD 0/1 = Out of service/In service	
			0	b ₂ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1241- 1243	00			Not used	
	1244		0	b ₀ -b ₃	Not used	
				b ₄ b ₅	Speeding up the processing (Assign/Change/Delete) by the ASDT command. b ₅ b ₄ 0 0=Normal speed 0 1=Reduction in process time by 80% 1 0=Reduction in process time by 70% (recommended) 1 1=Reduction in process time by 40%	
			0	b ₆ -b ₇	Not used	
	1245- 1247	00			Not used	
	1248			b ₀	Caller ID Display - Sub Line 0/1 = Out of service/In service Note: When this system data is changed, restart the terminal.	
			0	b ₁ -b ₂	Not used	
				b ₃	Retention of Customized Terminal Settings 0/1 = Out of service (Default)/In service	
				b ₄	Mixed Display of Caller ID Display - Sub Line 0/1=Out of service/In service	
				b ₅	Setting of soft key frame display on the LCD of DT830 Series. 0: Displays a soft key with a frame 1: Displays the soft key indication area with a frame Note: Available for FP95-112 V2 or later.	
				b ₆	Deletion of the terminal call history data for DT800/DT700 Series though PH Control Data Clear or Soft Reset by DISD command. 0/1=Out of service/In service Note: Available for FP95-112 V2 or later.	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 - 1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	MDATA
			DATA 0/1	BIT		
1	1249			b ₀ - b ₃	Setting of Time Display Pattern for Desktop terminal. Note 2 Note: Available for DT800/DT700/DT400/DT300 Series. Note: The terminals accommodated to IPG (Digital) or UG50 cannot change the Time Display Pattern. Note: When this system data is changed, restart the terminal.	
				b ₄	CF Setting button 0/1 = Out of service/In service Note: Available for FP95-114 V4 Issue 2.0 or later.	
			0	b ₅ - b ₇	Not Used.	

Note 2: The following table shows the Time Display Pattern (SYS1, Index 1249, Bit0-3). When you assign the other parameters than the parameters shown below, the Display Pattern of the terminal will be 0 (12 hour (Default)).

Bit				Display Pattern	Indication Example
b3	b2	b1	b0		
0	0	0	0	0 (12 hour (Default))	10:30 AM WED 6 NOV 2013
0	0	0	1	1 (12 hour)	6 NOV WED 10:30 AM
0	0	1	0	2 (12 hour)	10:30 AM NOV 6 WED
0	0	1	1	3 (12 hour)	11-6 WED 10:30 AM
0	1	0	0	4 (12 hour)	10:30 AM WED 6 NOV
0	1	0	1	5 (24 hour)	6 NOV WED 10:30
0	1	1	0	6 (24 hour)	10:30 NOV 6 WED
0	1	1	1	7 (24 hour)	11-6 WED 10:30
1	0	0	0	8 (24 hour)	10:30 WED 6 NOV

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
1	1250-1255	00			Not used	
	1256		0	b ₀ -b ₁	Not used	
				b ₂	Behaviors of Line/Feature key lamp and Soft key display. b2=0 (Mode: Default) Line/Feature Key Lamp: OFF Soft Key: Remains the same b2=0 (Mode: Display Reversing) Line/Feature Key Lamp: OFF Soft Key: Remains the same b2=1 (Mode: Default) Line/Feature Key Lamp: OFF Soft Key: Remains the same b2=1 (Mode: Display Reversing) Line/Feature Key Lamp: ON Soft Key: RVERS	
				b ₃	Security Mode (DT800/DT700 Series) 0: Security button validation in accordance with the setting of ASYDN SYS1 Index 1257 Bit 1 1: Security button invalidation on a system basis Note: Changes are applied after rebooting the terminal.	
			0	b ₄ -b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(M DATA)
1	1257		0	b_0	Not used	
				b_1	Security Control Setup (DT800/DT700 Series) 0: Security button control on an individual terminal basis 1: Security button validation on a system basis Note: When this system data is changed, restart the terminal.	
				b_2	Type of outgoing call history used by DT800/DT700 Series 0: Last Number Called -D [L-6D] 1: Redial [R-60] Note: When this system data is changed, restart the terminal.	
				b_3	Call Forward Line Lamp Indication for Soft Phone 0: Call Forward Line Lamp Indication is not activated on Soft Phone 1: Call Forward Line Lamp Indication is activated on Soft Phone Note: When this data is changed, system initialization is required.	
				$b_4 - b_6$	Call Forward Line Lamp Indication Pattern 0-7: Note 1 Note 2 Note: When this data is changed, system initialization is required.	
				b_7	Call Forward Line Lamp Indication for DT800/DT700 Series (Large LCD Type) 0: Call Forward Line Lamp Indication is not enabled on DT800/DT700 Series (Large LCD Type) 1: Call Forward Line Lamp Indication is enabled on DT800/DT700 Series (Large LCD Type) Note: When this data is changed, system initialization is required.	

Note 1: The following table shows the settings of Call Forward Line Lamp Indication Pattern (SYS1, Index 1257, Bit4-6).

 : Green light is on
  : Red light is on
  : Light is off
 The number (ms) displays how long the lights turn on/off.

Setting	Status	Pattern							
0	Green light flashes	640ms				128ms	128ms	128ms	
1	Red light turns on								
2	Red light flashes	128ms	128ms	128ms	128ms	128ms	128ms	128ms	128ms
3	Red light flashes	512ms				512ms			
4	Green light flashes	128ms	128ms	128ms	128ms	128ms	128ms	128ms	128ms
5	Green light flashes	512ms				512ms			
6	Green light flashes	640ms				128ms	128ms	128ms	
7	Green light turns on								

Note 2: When using this feature on Softphone (SYS1, Index 1257, Bit3=1), set the Bit4-6 to 0 or 2~6.

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1258			b ₀	Call recording with USB memory. 0/1 = Enabled/Disabled Note: Available for FP95-112 V2 or later.	
				b ₁	Terminal cooperation with mobile phone. 0/1 = Enabled/Disabled Note: The changes made to the system data above will take effect after about 30 seconds.	
				b ₂	Soft key eight digits display with a frame. 0/1 = Enabled/Disabled Note: The changes made to the system data above will take effect after about 30 seconds.	
			0	b ₃ -b ₆	Not used	
				b ₇	LED brightness for the digit keys of terminal. 0/1 = Normal/Half Note: When this System Data is changed, restart the terminal. Note: Available for DT830 Series firmware version 4.0.0.0 or later.	
	1259-1261	00			Not used	
	1262		0	b ₀ - b ₂	Not used	
				b ₃	Retrieving a Call in Call Park Group -D Hold from a Fixed Line 0/1 = Disabled/Enabled	
				b ₄	Fixed Line Used for Retrieving a Call in Call Park Group - D Hold 0/1 = Prime Line/My Line Note: When setting this parameter, you must enable "Retrieving a Call in Call Park Group -D Hold from a Fixed Line" (ASYDN, System Data 1, Index 1262, Bit 3 = 1). This setting is not required if My Line is assigned as Prime Line.	
				b ₅	Terminal power save mode change based on a time schedule 0/1= Enabled/Disabled	
			0	b ₆ - b ₇	Not used	
	1263	00			Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)																																																																																																					
			DATA 0/1	BIT																																																																																																							
1	1264			b ₀ - b ₃	Receiver Volume Setting for Pattern 1																																																																																																						
					b3		b2	b1	b0	Volume Level [dB]	Scale on LCD	0	0	0	0	Note 1	6	0	0	0	1	-10 (Minimum) (Bias value ±0dB)	1	0	0	1	0	-8 (Minimum) (Bias value ±2dB)	2	0	0	1	1	-6 (Minimum) (Bias value ±4dB)	3	0	1	0	0	-4 (Minimum) (Bias value ±6dB)	4	0	1	0	1	-2	5	0	1	1	0	0 (Default)	6	0	1	1	1	2	7	1	0	0	0	4	8	1	0	0	1	6	9	1	0	1	0	8	10	1	0	1	1	10	11	1	1	0	0	12	12	1	1	0	1	14 (Maximum)	13	1	1	1	0	Note 1	6	1	1	1	1	Note 1	6
					b3		b2	b1	b0	Volume Level [dB]	Scale on LCD																																																																																																
					0		0	0	0	Note 1	6																																																																																																
					0		0	0	1	-10 (Minimum) (Bias value ±0dB)	1																																																																																																
					0		0	1	0	-8 (Minimum) (Bias value ±2dB)	2																																																																																																
					0		0	1	1	-6 (Minimum) (Bias value ±4dB)	3																																																																																																
					0		1	0	0	-4 (Minimum) (Bias value ±6dB)	4																																																																																																
					0		1	0	1	-2	5																																																																																																
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					1		0	0	0	4	8																																																																																																
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					1		1	1	1	Note 1	6																																																																																																
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SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(M DATA)																																																																																																						
			DATA 0/1	BIT																																																																																																								
1	1264			b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 1																																																																																																							
					<table><tr><th>b7</th><th>b6</th><th>b5</th><th>b4</th><th>Volume Level [dB]</th><th>Scale on LCD</th></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>Note 1</td><td>8</td></tr><tr><td>0</td><td>0</td><td>0</td><td>1</td><td>-48 (Minimum)</td><td>1</td></tr><tr><td>0</td><td>0</td><td>1</td><td>0</td><td>-44</td><td>2</td></tr><tr><td>0</td><td>0</td><td>1</td><td>1</td><td>-40</td><td>3</td></tr><tr><td>0</td><td>1</td><td>0</td><td>0</td><td>-36</td><td>4</td></tr><tr><td>0</td><td>1</td><td>0</td><td>1</td><td>-32</td><td>5</td></tr><tr><td>0</td><td>1</td><td>1</td><td>0</td><td>-28</td><td>6</td></tr><tr><td>0</td><td>1</td><td>1</td><td>1</td><td>-24</td><td>7</td></tr><tr><td>1</td><td>0</td><td>0</td><td>0</td><td>-20 (Default)</td><td>8</td></tr><tr><td>1</td><td>0</td><td>0</td><td>1</td><td>-16</td><td>9</td></tr><tr><td>1</td><td>0</td><td>1</td><td>0</td><td>-12</td><td>10</td></tr><tr><td>1</td><td>0</td><td>1</td><td>1</td><td>-8</td><td>11</td></tr><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>-4</td><td>12</td></tr><tr><td>1</td><td>1</td><td>0</td><td>1</td><td>0 (Maximum)</td><td>13</td></tr><tr><td>1</td><td>1</td><td>1</td><td>0</td><td>Note 1</td><td>8</td></tr><tr><td>1</td><td>1</td><td>1</td><td>1</td><td>Note 1</td><td>8</td></tr></table>		b7	b6	b5	b4	Volume Level [dB]	Scale on LCD	0	0	0	0	Note 1	8	0	0	0	1	-48 (Minimum)	1	0	0	1	0	-44	2	0	0	1	1	-40	3	0	1	0	0	-36	4	0	1	0	1	-32	5	0	1	1	0	-28	6	0	1	1	1	-24	7	1	0	0	0	-20 (Default)	8	1	0	0	1	-16	9	1	0	1	0	-12	10	1	0	1	1	-8	11	1	1	0	0	-4	12	1	1	0	1	0 (Maximum)	13	1	1	1	0	Note 1	8	1	1	1	1	Note 1	8
					b7		b6	b5	b4	Volume Level [dB]	Scale on LCD																																																																																																	
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					0		1	1	0	-28	6																																																																																																	
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1	1265			b ₀ - b ₃	LCD Contrast Setting for Pattern 1																																																																																																																								
					<table><tr><th>b3</th><th>b2</th><th>b1</th><th>b0</th><th>LCD Con- trast</th><th>Scale on LCD</th><th>Remarks</th></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>0</td><td>0</td><td>0</td><td>1</td><td>Low</td><td>1</td><td>Minimum</td></tr><tr><td>0</td><td>0</td><td>1</td><td>0</td><td>.</td><td>2</td><td></td></tr><tr><td>0</td><td>0</td><td>1</td><td>1</td><td>.</td><td>3</td><td></td></tr><tr><td>0</td><td>1</td><td>0</td><td>0</td><td>.</td><td>4</td><td></td></tr><tr><td>0</td><td>1</td><td>0</td><td>1</td><td>.</td><td>5</td><td></td></tr><tr><td>0</td><td>1</td><td>1</td><td>0</td><td>.</td><td>6</td><td>Default</td></tr><tr><td>0</td><td>1</td><td>1</td><td>1</td><td>.</td><td>7</td><td></td></tr><tr><td>1</td><td>0</td><td>0</td><td>0</td><td>High</td><td>8</td><td>Maximum</td></tr><tr><td>1</td><td>0</td><td>0</td><td>1</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>1</td><td>0</td><td>1</td><td>0</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>1</td><td>0</td><td>1</td><td>1</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>1</td><td>1</td><td>0</td><td>0</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>1</td><td>1</td><td>0</td><td>1</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>1</td><td>1</td><td>1</td><td>0</td><td></td><td>5</td><td>Note 2</td></tr><tr><td>1</td><td>1</td><td>1</td><td>1</td><td></td><td>5</td><td>Note 2</td></tr></table>		b3	b2	b1	b0	LCD Con- trast	Scale on LCD	Remarks	0	0	0	0		5	Note 2	0	0	0	1	Low	1	Minimum	0	0	1	0	.	2		0	0	1	1	.	3		0	1	0	0	.	4		0	1	0	1	.	5		0	1	1	0	.	6	Default	0	1	1	1	.	7		1	0	0	0	High	8	Maximum	1	0	0	1		5	Note 2	1	0	1	0		5	Note 2	1	0	1	1		5	Note 2	1	1	0	0		5	Note 2	1	1	0	1		5	Note 2	1	1	1	0		5	Note 2	1	1	1	1		5	Note 2
					b3		b2	b1	b0	LCD Con- trast	Scale on LCD	Remarks																																																																																																																	
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					0		0	1	1	.	3																																																																																																																		
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	b ₄	Handset/Headset Switching for Pattern 1 0/1=Handset/Headset																																																																																																																											
0	b ₅ - b ₇	Not used																																																																																																																											

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1266			b ₀ - b ₃	Receiver Volume Setting for Pattern 2 (For details on setting of each bit, see Index 1264.)	
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 2 (For details on setting of each bit, see Index 1264.)	
	1267			b ₀ - b ₃	LCD Contrast Setting for Pattern 2 (For details on setting of each bit, see Index 1265.)	
				b ₄	Handset/Headset Switching for Pattern 2 0/1=Handset/Headset	
			0	b ₅ - b ₇	Not used	
	1268			b ₀ - b ₃	Receiver Volume Setting for Pattern 3 (For details on setting of each bit, see Index 1264.)	
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 3 (For details on setting of each bit, see Index 1264.)	
	1269			b ₀ - b ₃	LCD Contrast Setting for Pattern 3 (For details on setting of each bit, see Index 1265.)	
				b ₄	Handset/Headset Switching for Pattern 3 0/1=Handset/Headset	
			0	b ₅ - b ₇	Not used	
	1270			b ₀ - b ₃	Receiver Volume Setting for Pattern 4 (For details on setting of each bit, see Index 1264.)	
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 4 (For details on setting of each bit, see Index 1264.)	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1271			$b_0 - b_3$	LCD Contrast Setting for Pattern 4 (For details on setting of each bit, see Index 1265.)	
				b_4	Handset/Headset Switching for Pattern 4 0/1=Handset/Headset	
			0	$b_5 - b_7$	Not used	
	1272			$b_0 - b_3$	Receiver Volume Setting for Pattern 5 (For details on setting of each bit, see Index 1264.)	
				$b_4 - b_7$	Ringer Tone Volume Setting for Pattern 5 (For details on setting of each bit, see Index 1264.)	
	1273			$b_0 - b_3$	LCD Contrast Setting for Pattern 5 (For details on setting of each bit, see Index 1265.)	
				b_4	Handset/Headset Switching for Pattern 5 0/1=Handset/Headset	
			0	$b_5 - b_7$	Not used	
	1274			$b_0 - b_3$	Receiver Volume Setting for Pattern 6 (For details on setting of each bit, see Index 1264.)	
				$b_4 - b_7$	Ringer Tone Volume Setting for Pattern 6 (For details on setting of each bit, see Index 1264.)	
	1275			$b_0 - b_3$	LCD Contrast Setting for Pattern 6 (For details on setting of each bit, see Index 1265.)	
				b_4	Handset/Headset Switching for Pattern 6 0/1=Handset/Headset	
			0	$b_5 - b_7$	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1276			b ₀ - b ₃	Receiver Volume Setting for Pattern 7 (For details on setting of each bit, see Index 1264.)	
				b ₄ - b ₇	Ringer Tone Volume Setting for Pattern 7 (For details on setting of each bit, see Index 1264.)	
	1277			b ₀ - b ₃	LCD Contrast Setting for Pattern 7 (For details on setting of each bit, see Index 1265.)	
				b ₄	Handset/Headset Switching for Pattern 7 0/1=Handset/Headset	
			0	b ₅ - b ₇	Not used	
	1278			b ₀ - b ₃	Receiver Volume Setting for Default Pattern (For details on setting of each bit, see Index 1264.)	
				b ₄ - b ₇	Ringer Tone Volume Setting for Default Pattern (For details on setting of each bit, see Index 1264.)	
	1279			b ₀ - b ₃	LCD Contrast Setting for Default Pattern (For details on setting of each bit, see Index 1265.)	
				b ₄	Handset/Headset Switching for Default Pattern 0/1=Handset/Headset	
			0	b ₅ - b ₇	Not used	
	1280-1346	00			Not used	
	1347			b ₀	PBUS over IP Module 0/1 = Out of service/In service Note: ACDP Quick Initialization is not available for North America Note: When modifying this data from Out of service to In service, you must execute "Module Initialize" for PBUS over IP Module with the ADPM command.	
				b ₁	Memory Copy from ACT to STBY 0/1 = Stop/Start	
			0	b ₂ - b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1348			$b_0 - b_3$	Cycle of Executing a Health Check between ACT side and STBY side <u>b3 b2 b1 b0</u> : Timer Value 0 0 0 0 : 2 seconds (default) 0 0 0 1 : 2 seconds 0 0 1 0 : 4 seconds 0 0 1 1 : 6 seconds 0 1 0 0 : 8 seconds 0 1 0 1 : 10 seconds 0 1 1 0 : 12 seconds 0 1 1 1 : 14 seconds 1 0 0 0 : 16 seconds 1 0 0 1 : 18 seconds 1 0 1 0 : 20 seconds 1 0 1 1 : 22 seconds 1 1 0 0 : 24 seconds 1 1 0 1 : 26 seconds 1 1 1 0 : 28 seconds 1 1 1 1 : 30 seconds Note: Not available in North America.	
				$b_4 - b_7$	Cycle of Abnormal Detection for Health Check between ACT side and STBY side <u>b7 b6 b5 b4</u> : Timer Value 0 0 0 0 : 30 seconds (default) 0 0 0 1 : 30 seconds 0 0 1 0 : 60 seconds 0 0 1 1 : 90 seconds 0 1 0 0 : 120 seconds 0 1 0 1 : 150 seconds 0 1 1 0 : 180 seconds 0 1 1 1 : 210 seconds 1 0 0 0 : 240 seconds 1 0 0 1 : 270 seconds 1 0 1 0 : 300 seconds 1 0 1 1 : 330 seconds 1 1 0 0 : 360 seconds 1 1 0 1 : 390 seconds 1 1 1 0 : 420 seconds 1 1 1 1 : 450 seconds Note: Not available in North America.	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1349-1392	00			Not used	
	1393		0	b ₀ - b ₄	Not used	
				b ₅	Tandem connection control for manual trunk-to-trunk call transfer via station 0 = Control based on ARI A-RES, RRI = 3 and ARI D-RES - For manual call transfer to another trunk: Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command and Route Restriction Index 3 (RRI = 3) of the ARSC/ARSCN command - For drop of the transferring party from the call: Restriction Data for Alternative Route Index (ARI D-RES) of the ARRC/ARRCN command 1 = Control based on ARI A-RES - For manual call transfer to another trunk: Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command - For drop of the transferring party from the call: Restriction Data for Alternative Route Index (ARI A-RES) of the ARRC/ARRCN command Note: Available since FP95-113 V3. Note: This parameter affects the following features: • Call Forwarding - All Calls - Outside [C-28] • Call Forwarding - Don't Answer - Outside [C-74] • Call Forwarding - Busy Line - Outside [C-60] • Three-Way Calling [T-2] • Call Transfer - All Calls - CCIS [C-50]	
				b ₆	Tandem connection for manual trunk-to-trunk call transfer when the ARI A-RES parameter of the ARRCN command is set to 2 (Toll Restriction is required) in the following cases: • ASYDL/ASYDN, SYS1, Index 1393, Bit 5 = 0 • Manual trunk-to-trunk call transfer via an attendant 0 = Allowed 1 = Restricted Note: Available since FP95-113 V3.	
			0	b ₇	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)
			DATA 0/1	BIT		
1	1394			$b_0 - b_1$	Select transport protocol for session information exchange of SIP devices. $b_0 \quad b_1$ 0 0 = AUTO 1 0 = TCP 0 1 = UDP Note: If FCCS system is used, set these bits in the ASYDN to ensure that all nodes have the same settings. Note: In principle, AUTO uses UDP for session information, but if data size is bigger than 1400 bytes, uses TCP. Note: If there is the risk of packet fragmentation when using UDP, set to TCP.	
			0	$b_2 - b_7$	Not used	
	1395			b_0	Transfer of unanswered calls in a Terminal Hunt Group 0/1 = Out of service/In service	
				b_1	Transfer of unanswered calls in a Circular Hunt Group 0/1 = Out of service/In service	
				b_2	Transfer of unanswered calls in a Priority Hunt Group 0/1 = Out of service/In service	
			0	$b_3 - b_7$	Not used	

SYSTEM DATA TYPE (SYS)	SYSTEM DATA INDEX (INDEX) 0 -1535	DATA (DATA) 00 - FF (HEX)	BIT CORRESPONDING DATA		SYSTEM DATA CONTENTS	(MDATA)																																																
			DATA 0/1	BIT																																																		
1	1396			b ₀ - b ₃	Miscellaneous Timer Counter (MTC) of no answer timer for the transfer of unanswered calls in a Hunt Group Note: If time is not set with this system data, the time of SYS1, Indexes 139, 140, 141, 247 will be used. Note: MTC is to be assigned a value from 1 HEX to F HEX (1~15). Note: Timer Value Setting is MTC × TC seconds. Note: Do not assign 0 when TC is assigned 3 or 4.																																																	
				b ₄ - b ₆	Timer Class (TC) is to be assigned one of the following values: <table><tr><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td><td><u>b₆</u></td><td><u>b₅</u></td><td><u>b₄</u></td><td></td></tr><tr><td>0</td><td>0</td><td>0</td><td>=</td><td>–</td><td>1</td><td>0</td><td>0</td><td>=</td><td>30 Seconds</td></tr><tr><td>0</td><td>0</td><td>1</td><td>=</td><td>–</td><td>1</td><td>0</td><td>1</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>0</td><td>=</td><td>–</td><td>1</td><td>1</td><td>0</td><td>=</td><td>–</td></tr><tr><td>0</td><td>1</td><td>1</td><td>=</td><td>2 Sec.</td><td>1</td><td>1</td><td>1</td><td>=</td><td>–</td></tr></table> Note: Assigned time will be used for all the Hunt Groups (Circular, Terminal, Priority, Switchback), it cannot be set separately according to the type of Hunt Group.	<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		0	0	0	=	–	1	0	0	=	30 Seconds	0	0	1	=	–	1	0	1	=	–	0	1	0	=	–	1	1	0	=	–	0	1	1	=	2 Sec.	1	1	1	=	–	
		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>		<u>b₆</u>	<u>b₅</u>	<u>b₄</u>																																														
		0	0	0	=	–	1	0	0	=	30 Seconds																																											
	0	0	1	=	–	1	0	1	=	–																																												
0	1	0	=	–	1	1	0	=	–																																													
0	1	1	=	2 Sec.	1	1	1	=	–																																													
0	b ₇	Not used																																																				
1397-1535	00			Not used																																																		

ATAS: Assignment TAS Service Data

1. General

This command assigns the data related to the Trunk Answer From Any Station (TAS) service feature.

2. Precautions

1. One tenant can be provided one TAS indicator.
2. The TAS answer access code is assigned by the ASPA command, SRV="SSC: Service Code", SID=16.
3. The TAS answering capability is assigned by the ASFC command, SFI=13 and the ACFR command, TSFI=5.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data for this command is common for all tenants (ASYD command, SYS1, Index 93, b2=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

TN: Tenant Number

Enter the tenant number applied to the TAS service.

MG: Module Group Number

Enter the module group number the TAS indicator is mounted.

UNIT: Unit Number [0-3]

Enter the Unit number the TAS indicator.

CN: Circuit Number [0/1]

Enter the circuit number of the TAS indicator.

4. Data Sheet

TENANT NUMBER (TN)	MODULE GROUP NUMBER (MG)	MOUNTED UNIT NUMBER (UNIT) 0 - 3	CIRCUIT NUMBER (CN) 0/1	REMARKS

ATCP: Assignment of Time/Pattern Change Information Data

1. General

This command assigns the time period corresponding to each Time of Day Change Pattern Number (TDPTN). These Time of Day Change Patterns are used to change the routes used during a specific time period so that trunks can be used effectively and call charges can be kept to a minimum.

2. Precautions

1. The data assigned by this command is required for the ACBC/AOPR/ASDC commands. When the Clocked Manual Override data is assigned by the ACMO command (used for changing routes during a specific time period), the ACMO data has priority over data assigned by the ATPC command to the ACBC/AOPR/ASDC commands.
2. Assignment intervals must be at least 30 minutes.
3. If the time data is assigned in duplicate, the latter assignment shall take effect. For example, 9:00 ~ 12:00 = TDPTN 1 is set then 11:00 ~ 15:00 = TDPTN 2 is specified, the time setting 9:00 ~ 11:00 = TDPTN 1 / 11:00 ~ 15:00 = TDPTN 2 is to be executed.

3. Data Entry Instructions

FROM: Start Time Data for TDPTN (Hour: Minute)

TO: End Time Data for TDPTN (Hour: Minute)

The time period TDPTN is effective.

Set Minute to 00 or 30.

TDPTN: Time of Day Change Pattern Number [0-7]

Enter the pattern number corresponding to the TDPTN assigned at AOPR/AOPRL/ASDC commands.

Note: TDPTN=0 is also used in default setting (in unspecified time period). The assignment TDPTN=0 means nothing in this command.

4. Data Sheet

TIME DATA FOR TDPTN				TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	REMARKS
(FROM)		(TO)			
HOUR	MINUTE	HOUR	MINUTE		
:	:	:	:	0	
:	:	:	:	1	
:	:	:	:	2	
:	:	:	:	3	
:	:	:	:	4	
:	:	:	:	5	
:	:	:	:	6	
:	:	:	:	7	

Note: Assignment intervals must be at least 30 minutes.

Note: The system fills in any unassigned time patterns for a 24-hour period.

ATCPL: Assignment of Time/Pattern Change Information Data for LDM

1. General

This command assigns the time period corresponding to each Time of Day Change Pattern Number (TDPTN). These Time of Day Change Pattern are used to change the routes used during a specific time period so that trunks can be used effectively and call charges can be kept to a minimum. This data is written in Local Data Memory (LDM).

2. Precautions

1. The data assigned by this command is required for the ACBC/AOPRL/ASDCL commands. When the Clocked Manual Override data is assigned by the ACMO command (used for changing routes during a specific time period), ATCPL/ATPCN data has priority over data assigned by the ACMO.
2. Assignment intervals must be at least 30 minutes.
3. If the time data is assigned in duplicate, the latter assignment shall take effect. For example, 9:00 ~ 12:00 = TDPTN 1 is set then 11:00 ~ 15:00 = TDPTN 2 is specified, the time setting 9:00 ~ 11:00 = TDPTN 1/ 11:00 ~ 15:00 = TDPTN 2 is to be executed.

3. Data Entry Instructions

MA-ID: Message Area ID (4 digits) within the range from 0001 to 9999.

Enter desired MA-ID, the existing data can be read out by pressing the GET button.

FROM: Start Time Data for TDPTN (Hour: Minute)

TO: End Time Data for TDPTN (Hour: Minute)

The time period TDPTN is effective.

Set Minute to 00 or 30.

TDPTN: Time of Day Change Pattern Number [0-7]

Enter the pattern number corresponding to the TDPTN assigned at AOPR/AOPRL/ASDCL commands.

Note: TDPTN=0 is also used in default setting (in unspecified time period). The assignment TDPTN=0 means nothing in this command.

4. Data Sheet

MA-ID (0001-9999)	TIME DATA FOR TDPTN				TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	REMARKS
	(FROM)		(TO)			
	HOUR	MINUTE	HOUR	MINUTE		
	:		:		0	
	:		:		1	
	:		:		2	
	:		:		3	
	:		:		4	
	:		:		5	
	:		:		6	
	:		:		7	

Note: Assignment intervals must be at least 30 minutes.

Note: The system fills in any unassigned time patterns for a 24-hour period.

ATCPN: Assignment of Time/Pattern Change Information Data for NDM

1. General

This command assigns the time period corresponding to each Time of Day Change Pattern Number (TDPTN). These Time of Day Change Pattern are used to change the routes used during a specific time period so that trunks can be used effectively and call charges can be kept to a minimum. This data is written in Network Data Memory (NDM).

2. Precautions

1. The data assigned by this command is required for the ACBC/AOPRN/ASDCN commands. When the Clocked Manual Override data is assigned by the ACMO command (used for changing routes during a specific time period), ATCPL/ATPCN data has priority over data assigned by the ACMO.
2. Assignment intervals must be at least 30 minutes.
3. If the time data is assigned in duplicate, the latter assignment shall take effect. For example, 9:00 ~ 12:00 = TDPTN 1 is set then 11:00 ~ 15:00 = TDPTN 2 is specified, the time setting 9:00 ~ 11:00 = TDPTN 1/ 11:00 ~ 15:00 = TDPTN 2 is to be executed.

3. Data Entry Instructions

MA-ID: Message Area ID (4 digits) within the range from 0001 to 9999.

Enter desired MA-ID, the existing data can be read out by pressing the GET button.

FROM: Start Time Data for TDPTN (Hour: Minute)

TO: End Time Data for TDPTN (Hour: Minute)

The time period TDPTN is effective.

Set Minute to 00 or 30.

TDPTN: Time of Day Change Pattern Number [0-7]

Enter the pattern number corresponding to the TDPTN assigned at AOPR/AOPRN/ASDCN commands.

Note: TDPTN=0 is also used in default setting (in unspecified time period). The assignment TDPTN=0 means nothing in this command.

4. Data Sheet

MA-ID (0001-9999)	TIME DATA FOR TDPTN				TIME OF DAY CHANGE PATTERN NUMBER (TDPTN) 0 – 7	REMARKS
	(FROM)		(TO)			
	HOUR	MINUTE	HOUR	MINUTE		
	:		:		0	
	:		:		1	
	:		:		2	
	:		:		3	
	:		:		4	
	:		:		5	
	:		:		6	
	:		:		7	

Note: Assignment intervals must be at least 30 minutes.

Note: The system fills in any unassigned time patterns for a 24-hour period.

ATDF: Assignment of Time Difference Data

1. General

This command is required when there is a time difference within the FCCS link. The difference of time between nodes and the Universal Coordinated Time (UCT) are written in Network Data Memory (NDM) of the Network Control Node (NCN) by using this command.

2. Precautions

1. Once the time difference has been set/changed/deleted, update the time by using the ATIMN command.
2. For detailed information, see the Data Programming Manual - FCCS.

3. Data Entry Instructions

FPC: Fusion Point Code [1-253]

Enter FPC which has Time difference.

SIGN: Sign of Difference Time [0-2]

1=Plus (+)

2=Minus (-)

HOURL: Hour of Difference Time Data [00-12]

Enter the digits ranging from 0-12.

MINUTE: Minute of Difference Time Data [00-59]

Enter the digits ranging from 0-59.

4. Data Sheet

[illegible]

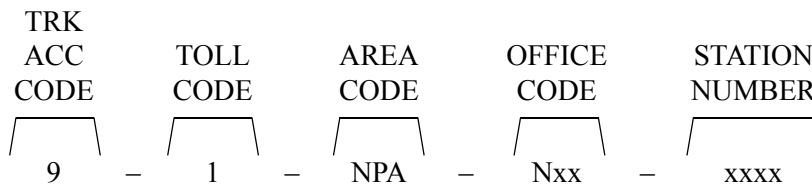
ATDP: Assignment of Toll Code Restriction Data

1. General

This command assigns the Area Code of Toll Restriction-3/6 digits for both an outgoing connection and a tandem connection.

2. Precautions

1. This command is used when restriction data is assigned to RES=2 (Toll Restriction is required) in the ARSC command or when ARI D-RES=2 in the ARRC command.
2. The Office Code following the Area Code assigned on this command can also be specified by the AARP command.
3. Setting Method of Area and Office Code Restriction



If the number dialed is as shown above.

(a) 3-Digit Toll Restriction

9 - 1 - NPA - Nxx - xxxx

A 3-digit Toll Restriction is a restriction that is executed by developing the contents (NPA in this case) of the digits that follow the Toll Code.

If the data is set as follows, a toll call can be restricted by developing NPA.

- Toll Code Restriction Data (ATDP)
DC=9-1, TDI=2, NND=3 (NPA)
- Area and Office Code Data (AARP)
DC=NPA (Only three digits)

(b) 6-Digit Toll Restriction

9 - 1 - NPA - Nxx - xxxx

A 6-digit Toll Restriction is a restriction that is executed by developing the contents (NPA - Nxx in this case) of the six digits that follow the Toll Code.

If data is set as follows, a toll call can be restricted by developing NPA - Nxx.

- Toll Code Restriction Data (ATDP)

DC=9-1, TDI=2, NND=6 (NPA - Nxx)

- Area and Office Code Data (AARP)

DC=NPA - Nxx (six digits)

4. Data can be entered on a Day/Night basis, if specified in ASYD command, SYS1, Index 75, b3=1.
5. The rest of the parameter appearance depends on the data entered in TDM/OG parameter.
6. If assigning TDM/OG=T (Tandem Connection), data cannot be assigned for the Day and Night modes separately. In this case, the assigned data is used for both Day and Night modes regardless of the setting of DAY/NIGHT parameter.

3. Data Entry Instructions

- ◆ TDM/OG=T (Tandem Connection) is selected:

TDM/OG: Tandem/Outgoing Connection [T/O]

1=T (Tandem Connection)

D/N: Day/Night Mode

1=Day Mode

2=Night Mode

IC RT: Incoming Route Number [1-255]

OG RT: Outgoing Route Number [1-255]

DC: Destination (Area) Code [Maximum 11 digits]

When assigning the DC, the digits including the access code must be assigned.

TDI: Restriction Data [0-3]

0=Connection is Restricted

1=Connection is Allowed

2=3/6 Digit Toll Restriction

3=C.O. Operator Call (9+0) **Note 1**

Note 1: Valid for North America only.

NND: Necessary Digit [1-12]

This parameter is available only when TDI=2.

- ◆ TDM/OG=O (Outgoing Connection) is selected:

TDM/OG: Tandem/Outgoing Connection [T/O]

2=O (Outgoing Connection)

D/N: Day/Night Mode

1=Day Mode

2=Night Mode

RSC: Restriction Class [0-15]

Refer to the ARSC command.

OG RT: Outgoing Route Number [1-255]**DC: Destination (Area) Code [Maximum 11 Digits]**

When assigning the DC, the digits including the access code must be assigned.

TDI: Restriction Data [0-3]

0=Connection is Restricted

1=Connection is Allowed

2=3/6 Digit Toll Restriction

3=C.O. Operator Call (9+0) **Note:** Valid for North America only.

NND: Necessary Digit [1-12]

This parameter is available only when TDI=2.

4. Data Sheet

(a) Tandem Connection (TDM/OG=T)

TANDEM/ OUTGOING (TDM/OG)	DAY/NIGHT MODE (D/N)	INCOMING ROUTE NUMBER (IC RT)	OUTGOING ROUTE NUMBER (OG RT)	DESTINATION (AREA) CODE (DC) MAXIMUM 11 DIGITS	RESTRICTION DATA (TDI) 0 – 3
T					

(b) Outgoing Connection (TDM/OG=O)

TANDEM/ OUTGOING (TDM/OG)	DAY/NIGHT MODE (D/N)	ROUTE RESTRICTION NUMBER (RSC) 0 – 15	OUTGOING ROUTE NUMBER (OG RT)	DESTINATION (AREA) CODE (DC) MAXIMUM 11 DIGITS	RESTRICTION DATA (TDI) 0 – 3
O					

ATDPEL: Assignment of Extended Toll Code Restriction Data for LDM

1. General

This command restricts/allows toll call by developing Tenant Number (TN) and Destination Code (DC) for PSTN connection (including tandem connection via intermediate node). This data is written in Local Data Memory (LDM).

2. Precautions

1. Destination Code (DC) includes Access Code.
2. Toll call restriction data for tandem connection (TDM) turns available only after assigning ARI D-RES=2 (Toll Connection is restricted) by ARRC command. Toll call cannot be restricted when ARRC command is not assigned.
3. Toll call restriction data for Outgoing Connection (OG) turns available only after assigning RES=2 (Toll Connection is restricted) by ARSC command. Toll call cannot be restricted when ARSC command is not assigned.
4. This command is not available in the nodes with FPC setting.
5. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 802, b1=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

(a) Tandem Connection

TN: Tenant Number [1-63]

TDM/OG: Tandem Connection/Outgoing Connection

TDM = Tandem connection

D/N: Day/Night Mode

Day = Day Mode

Night = Night Mode

IC RT: External Route Number of Incoming Route [1-255]

OG RT: External Route Number of Outgoing Route [1-255]

DC: Destination Code [Maximum 24 digits]

Enter the Destination Code including Access Code.

TDI: Restriction Data

Select either radio button, connection is restricted/allowed.

(b) Outgoing Connection

TN: Tenant Number [1-63]

TDM/OG: Tandem Connection/Outgoing Connection

OG = Outgoing connection

D/N: Day/Night Mode

Day = Day Mode

Night = Night Mode

RSC: Restriction Class [1-15]

Specify RSC adjusting to the ARSC command setting.

OG RT: External Route Number of Outgoing Route [1-255]

DC: Destination Code [Maximum 24 digits]

Enter the Destination Code including Access Code.

TDI: Restriction Data [0-3]

Select either radio button, connection is restricted/allowed

4. Data Sheet

(a) Tandem Connection

[illegible]

(b) Outgoing Connection

[illegible]

ATDPEN: Assignment of Extended Toll Code Restriction Data for NDM

1. General

This command restricts/allows toll call by developing Tenant Number (TN) and Destination Code (DC) for PSTN connection (including tandem connection via intermediate node). This data is written in Network Data Memory (NDM) of the Network Control Node (NCN). The data assigned by this command is used in common within the FCCS network.

2. Precautions

1. Destination Code (DC) includes Access Code.
2. Toll call restriction data for tandem connection (TDM) turns available only after assigning ARI D-RES=2 (Toll Connection is restricted) by ARRC/ARRCN command. Toll call cannot be restricted when ARRC/ARRCN command is not assigned.
3. Toll call restriction data for Outgoing Connection (OG) turns available only after assigning RES=2 (Toll Connection is restricted) by ARSC/ARSCN command. Toll call cannot be restricted when ARSC/ARSCN command is not assigned.
4. If data in this command is common for all tenants (ASYDN command, SYS1, Index 802, b1=1), assign TN parameter as data "1" for all tenants.

3. Data Entry Instructions

- (a) Tandem Connection

TN: Tenant Number [1-63]

TDM/OG: Tandem Connection/Outgoing Connection

TDM = Tandem connection

D/N: Day/Night Mode

Day = Day Mode

Night = Night Mode

IC LGRT: External Logical Route Number of Incoming Route [1-899]

OG LGRT: External Logical Route Number of Outgoing Route [1-899]

DC: Destination Code [Maximum 24 digits]

Enter the Destination Code including Access Code.

TDI: Restriction Data [0-3]

Select either radio button, connection is restricted/allowed.

(b) Outgoing Connection

TN: Tenant Number [1-63]

TDM/OG: Tandem Connection/Outgoing Connection

OG = Outgoing connection

D/N: Day/Night Mode

Day = Day Mode

Night = Night Mode

RSC: Restriction Class [1-15]

Specify RSC adjusting to the ARSC command setting.

OG LGRT: External Logical Route Number of Outgoing Route [1-899]

DC: Destination Code [Maximum 24 digits]

Enter the Destination Code including Access Code.

TDI: Restriction Data

Select either radio button, connection is restricted/allowed

4. Data Sheet

(a) Tandem Connection

[illegible]

(b) Outgoing Connection

[illegible]

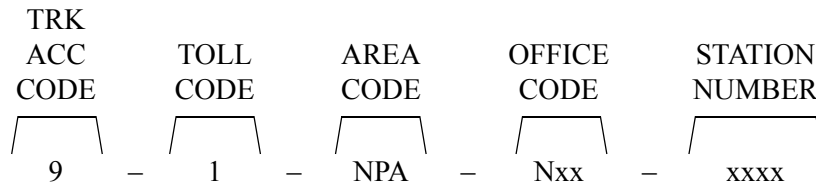
ATDPL: Assignment of Toll Code Restriction Data for LDM

1. General

This command assigns the Area Code of Toll Restriction-3/6 digits for an outgoing connection. This data is written in Local Data Memory (LDM). When using common Toll Code Restriction data in the FCCS Network, assign data via the ATDPN command.

2. Precautions

1. This command is used when restriction data is assigned to RES=2 (Toll Restriction is required) in the ARSCN command or when ARI D-RES=2 in the ARRCN command.
2. The Office Code following the area code assigned on this command can also be specified by the AARPL (LDM)/AARPN (NDM) command.
3. Setting Method of Area and Office Code Restriction



If the number dialed is as shown above.

(a) 3-Digit Toll Restriction

9 - 1 - NPA - Nxx - xxxx

A 3-digit Toll Restriction is a restriction that is executed by developing the contents (NPA in this case) of the digits that follow the Toll Code.

If the data is set as follows, a toll call can be restricted by developing NPA.

- Toll Code Restriction Data for LDM (ATDPL)

DC = 9-1, TDI = 2, NND = 3 (NPA)

- Area and Office Code Data (AARPL)

DC = NPA (Only three digits)

(b) 6-Digit Toll Restriction

9 - 1 - NPA - Nxx - xxxx

A 6-digit Toll Restriction is a restriction that is executed by developing the contents (NPA - Nxx in this case) of the six digits that follow the Toll Code.

If data is set as follows, a toll call can be restricted by developing NPA - Nxx.

- Toll Code Restriction Data for LDM (ATDPL)

DC = 9-1, TDI = 2, NND = 6 (NPA - Nxx)

- Area and Office Code Data (AARPL)

DC = NPA - Nxx (six digits)

4. Data can be entered on a Day/Night basis, if specified in ASYD command, SYS1, Index 75, b3=1.

3. Data Entry Instructions**D/N: Day/Night Mode**

1=Day Mode

2=Night Mode

RSC: Restriction Class [0-15]

Refer to the ARSCN command.

OG LGRT: Outgoing Logical Route Number [1-899]**DC: Destination (Area) Code [Maximum 11 digits]**

When assigning DC, the digits including the access code must be assigned.

TDI: Restriction Data [0-3]

0=Connection is Restricted

1=Connection is Allowed

2=3/6 Digit Toll Restriction

3=C.O. Operator Call (9+0) **Note:** Valid for North America only.

NND: Necessary digit [1-12]

This parameter is available only when TDI=2.

4. Data Sheet

[illegible]

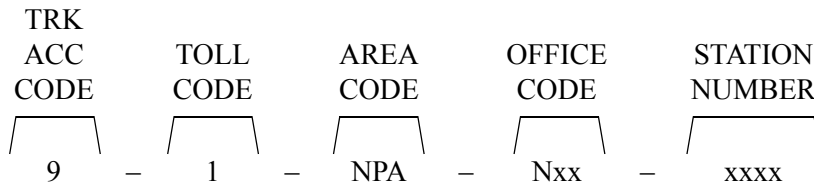
ATDPN: Assignment of Toll Code Restriction Data for NDM

1. General

This command assigns the Area Code of Toll Restriction-3/6 digits for both an outgoing connection and a tandem connection. This data is written in the Network Data Memory (NDM) of the Network Control Node (NCN). The data assigned by this command is used in common within the FCCS Network.

2. Precautions

1. This command is used when restriction data is assigned to RES=2 (Toll Restriction is required) in the ARSCN command or when ARI D-RES=2 in the ARRCN command.
2. The Office Code following the area code assigned on this command can also be specified by the AARPN command.
3. Setting Method of Area and Office Code Restriction



If the number to be dialed is as shown above.

(a) 3-digit Toll Restriction

9 - 1 - NPA - Nxx - xxxx

A 3-Digit Toll Restriction is a restriction that is executed by developing the contents (NPA in this case) of the digits that follow the Toll Code.

If the data is set as follows, a toll call can be restricted by developing NPA.

- Toll Code Restriction Data (ATDPN)
DC = 9-1, TDI = 2, NND = 3 (NPA)
- Area and Office Code Data (AARPN)
DC = NPA (Only three digits)

(b) 6-Digit Toll Restriction

9 - 1 - NPA - Nxx - xxxx

A 6-digit Toll Restriction is a restriction that is executed by developing the contents (NPA - Nxx in this case) of the six digits that follow the Toll Code.

If data is set as follows, a toll call can be restricted by developing NPA - Nxx.

- Toll Code Restriction Data (ATDPN)

DC = 9-1, TDI = 2, NND = 6 (NPA - Nxx)

- Area and Office Code Data (AARPN)

DC = NPA - Nxx (six digits)

4. Data can be entered on a Day/Night basis, if specified by the ASYDN command, SYS1, Index 75, b3=1.
5. The rest of the parameter appearance depends on the data entered in TDM/OG parameter.
6. If assigning TDM/OG=T (Tandem Connection), data cannot be assigned for the Day and Night modes separately. In this case, the assigned data is used for both Day and Night modes regardless of the setting of DAY/NIGHT parameter.

3. Data Entry Instructions

- ◆ TDM/OG=T (Tandem Connection) is selected:

TDM/OG: Tandem/Outgoing Connection [T/O]

1=T (Tandem Connection)

D/N: Day/Night Mode

1=Day Mode

2=Night Mode

IC LGRT: Incoming Logical Route Number [1-899]

OG LGRT: Outgoing Logical Route Number [1-899]

DC: Destination (Area) Code [Maximum 11 digits]

When assigning the DC, the digits including the access code must be assigned.

TDI: Restriction Data [0-3]

0=Connection is Restricted

1=Connection is Allowed

2=3/6 Digit Toll Restriction

3=C.O. Operator Call (9+0) **Note:** Valid for North America only.

NND: Necessary Digit [1-12]

This parameter is available only when TDI=2.

- ◆ TDM/OG=O (Outgoing Connection) is selected:

TDM/OG: Tandem/Outgoing Connection [T/O]

2=O (Outgoing Connection)

D/N: Day/Night Mode

1=Day Mode

2=Night Mode

RSC: Restriction Class [0-15]

Refer to the ARSCN command.

OG LGRT: Outgoing Logical Route Number [1-899]**DC: Destination (Area) Code [Maximum 11 digits]**

When assigning the DC, the digits including the access code must be assigned.

TDI: Restriction Data [0-3]

0=Connection is Restricted

1=Connection is Allowed

2=3/6 Digit Toll Restriction

3=C.O. Operator Call (9+0) **Note:** Valid for North America only.

NND: Necessary Digit [1-12]

This parameter is available only when TDI=2.

4. Data Sheet

(a) Tandem Connection (TDM/OG = T)

TANDEM/ OUTGOING (TDM/OG)	DAY/NIGHT MODE (D/N)	INCOMING LOGICAL ROUTE NUMBER (IC LGRT) 1-899	OUTGOING LOGICAL ROUTE NUMBER (OG LGRT) 1-899	DESTINATION (AREA) CODE (DC) MAXIMUM 11 DIGITS	RESTRICTION DATA (TDI) 0-3	NECESSARY DIGIT (NND) 1-12
T				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
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				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		
				_ _ _ _ _ _ _ _ _ _ _ _ _ _ _		

(b) Outgoing Connection (TDM/OG = O)

TANDEM/ OUTGOING (TDM/OG)	DAY/NIGHT MODE (D/N)	ROUTE RESTRICTION NUMBER (RSC) 0-15	OUTGOING LOGICAL ROUTE NUMBER (OG LGRT) 1-899	DESTINATION (AREA) CODE (DC) MAXIMUM 11 DIGITS	RESTRICTION DATA (TDI) 0-3	NECESSARY DIGIT (NND) 1-12
O						

ATDR: Assignment of Time of Day Restriction Data

1. General

This command is used to assign, display, and delete the Time of Day Restriction data for each node.

2. Precautions

1. This command is available only for Australia.
2. The mode is divided into every 30-minute interval.

3. Data Entry Instructions

TN: Tenant Number

WEEK: Day of the Week

SUN=Sunday

MON=Monday

TUE=Tuesday

WED=Wednesday

THU=Thursday

FRI=Friday

SAT=Saturday

TIME: Restriction Time

START TIME

END TIME

MODE:Restriction Mode Per 30 [0-2]

0= -

1=Day

2=Night

4. Data Sheet

TENANT NUMBER (TN)	DAY OF THE WEEK (WEEK)	RESTRICTION TIME (TIME)		MODE	RESTRICTION MODE 0-2	REMARKS
		START TIME	END TIME			
				00:00		
				00:30		
				01:00		
				01:30		
				02:00		
				02:30		
				03:00		
				03:30		
				04:00		
				04:30		
				05:00		
				05:30		
				06:00		
				06:30		
				07:00		
				07:30		
				08:00		
				08:30		
				09:00		
				09:30		
				10:00		
				10:30		
				11:00		
				11:30		
		:	:	12:00		
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				19:30		
				20:00		
				20:30		
				21:00		
				21:30		
				22:00		
				22:30		
				23:00		
				23:30		

ATGL: Assignment of Trunk Group Busy Lamp Data

1. General

This command assigns the data related to the Trunk Group Busy Lamp that is accommodated on the Attendant Console.

2. Precautions

1. The maximum number of Attendant Consoles should be assigned by the ASYD command, SYS1, Index 9.
2. The Trunk Group Busy Lamp is lit when the trunk routes specified by the RT parameter of this command are engaged.
3. The number of Trunk Group Busy Lamps applied (available TGN data range) is designated by the ASYD command, SYS1, Index 15, b0-b3.

3. Data Entry Instructions

ATN: Attendant Number

Attendant Console number assigned by the ATRK command.

TGN: Trunk Group Busy Lamp Number [1-10]

RT: Route Number [1-255]

Enter the route number composed of the TGN.

4. Data Sheet

[illegible]

ATGLL: Assignment of Trunk Group Busy Lamp Data for LDM

1. General

This command is used to read out/assign/delete the controlling data of Trunk Group Busy Lamp that is accommodated on the Attendant Console. This data is written in Local Data Memory (LDM).

2. Precautions

1. The number of Attendant Consoles should be assigned by the ASYD command, SYS1, Index 9.
2. The Trunk Group Busy Lamp lights when the trunk routes specified by the LGRT parameter of this command are engaged.
3. The number of Trunk Group Busy Lamps applied (capable TGN data range) is assigned by the ASYD command, SYS1, Index 15, b0-b3.

3. Data Entry Instructions

ATN: Attendant Number [1-30]

Enter the Attendant Console number assigned by the ATRK command.

TGN: Trunk Group Busy Lamp Number [1-10]

Enter the Trunk Group Busy Lamp Number on the Attendant Console.

LGRT: Logical Route Number [1-899]

Enter the logical route number composed the Trunk Group (TGN).

DATA: LGRT Data [0/1]

0=No registration

1=Registration

4. Data Sheet

[illegible]

ATIFD: Assignment of Individual Function Data for Terminal

1. General

This command is used to set preferences on a Desktop terminal through the PCPro/QuickPro instead of using the Feature key and some other keys such as the digit keys, the Answer key, and the Originate key on an individual terminal.

Note: This command is available since FP95-114 V4 Issue 2.0.

2. Precautions

1. This command is used for PREFERENCE SETTING - MULTI-LINE TELEPHONE WITH PCPRO [P-90]. For details, see PREFERENCE SETTING - MULTI-LINE TELEPHONE WITH PCPRO [P-90] of Data Programming Manual - Business.
2. At an UMGi system, ensure to operate from a PCPro that logged in to CCN. This feature is not available from a PCPro that logged in to an RN.

3. Data Entry Instructions

Station Number Type

STN

TELN (LDM)

TELN (NDM)

TN: Tenant Number [1-63]

STN: Station Number [6 digits maximum]

UGN: User Group Number

TELN: Telephone Number [16 digits maximum]

FPC: Fusion Point Code

Display only. **Note 1**

TN: Tenant Number

Display Only. **Note 2**

STN: Station Number

Display Only. **Note 2**

[Function List]

Sidetone

0: ON (Default)

1: OFF

Microphone

0: OFF (Default)

1: ON

Handset Receiving Volume

0: Small (Default)

1: Large

Handset Sending Volume

0: Small (Default)

1: Large

Ringing Tone

1: Ringing Tone 1 (Default)

2: Ringing Tone 2

3: Ringing Tone 3

4: Ringing Tone 4

5: Ringing Tone 5

6: Ringing Tone 6

7: Ringing Tone 7

8: Ringing Tone 8

9: Ringing Tone 9

10: Ringing Tone 10

Hands-Free

0: OFF (Default)

1: ON **Note 3**

Call Indicator Lamp

0: ON (Default)

1: OFF

Dynamic Dial Pad

0: OFF (Default)

1: ON **Note 4**

Preset Dial

0: OFF (Default)

1: ON **Note 5**

Answer Preset

0: OFF (Default)

1: ON

Originate Preset

0: OFF (Default)

1: ON

Note 1: This parameter is only available in the case of [Station Number Type] = TELN (NDM).

Note 2: This parameter is only available in the case of [Station Number Type] = TELN (LDM)/TELN (NDM).

Note 3: To use Hands-Free, set Microphone to 1 (ON).

Note 4: To enable Dynamic Dial Pad, assign System Data (ASYD, SYS1, Index 384, Bit 6=1), and set Preset Dial to 0 (OFF).

Note 5: To enable Preset Dial, assign System Data (ASYDL, SYS1, Index 1256, Bit 1=1), and set Dynamic Dial Pad to 0 (OFF).

4. Data Sheet

Individual Function Data Setting Sheet for Terminals

- When Station Number Type is STN:

[illegible]

Individual Function Data Setting Sheet for Terminals

- When Station Number Type is TELN (LDM) or TELN (NDM):

[illegible]

ATIM: Assignment of Date and Time

1. General

This command sets the clock information for the system. Clock information is executed when the SET button is clicked.

2. Precautions

1. The clock is assigned in military time.
2. Clock information assigned in this command is necessary for the following purposes:
 - (a) To indicate time for a Desktop terminal and an ATT (Desk Console/Hotel Console)
 - (b) To specify the time for changing the route pattern for LCR
 - (c) To specify the time and date for changing the number development for LCR
 - (d) To specify the time for outgoing calls or for refusing incoming calls
 - (e) To specify the start time for the routing diagnosis
 - (f) To specify a length of time for Traffic Measurement
 - (g) SMDR
3. The system automatically takes the leap year into account.
4. For FCCS Network, the assignment of ATIMN command will not be reflected when the link between the nodes are disconnected.
5. This command is available for SIP Multiple Line terminals.
6. Time zone must be assigned by this command for FCCS Network as well.
7. The same settings must be assigned for the Time Zone of ATIM command and the MGC Time Zone of AMAIL/N command.
8. As for SV9500 Prepackaged Server Model, only a time zone and a summer time setting can be performed with this command.

3. Data Entry Instructions

Date & Time

DATE

Year [four digits]

Enter the four digits of the year. (For example: 2013)

Month [1-12]

Enter the digits with a range of 1 to 12.

Day [1-31]

Enter the digits with a range of 1 to 31.

DAY: Day of Week

The day of the week will be displayed. (This parameter is nonenterable.)

TIME

Hour [0-23]

Enter the digits with a range of 0 to 23.

Minute [0-59]

Enter the digits with a range of 0 to 59.

Second [0-59]

Enter the digits with a range of 0 to 59.

Time Zone: Time Zone Selection [GMT-13:00 - GMT+14:00]

Select the time zone from the list box.

Daylight Savings Time

START/END

KIND: Date

Every Year

Click this check box to set the clock information every year.

Month [1-12]

Enter the digits with a range of 1 to 12.

Day [1-31]

Enter the digits with a range of 1 to 31.

Year [four digits]

Enter the four digits of the year. (For example: 2013) When 'Every Year' is checked, year information is not required.

Hour [0-23]

Enter the digits with a range of 0 to 23.

Minute [0-59]

Enter the digits with a range of 0 to 59.

KIND: Day**Every Year**

Click this check box to set the clock information every year.

Month [1-12]

Enter the digits with a range of 1 to 12.

Day

- 1st/2nd/3rd/4th/Last
- Sunday - Saturday

Year [four digits]

Enter the four digits of the year. (For example: 2013) When 'Every Year' is checked, year information is not required.

Hour [0-23]

Enter the digits with a range of 0 to 23.

Minute [0-59]

Enter the digits with a range of 0 to 59.

Note: When reassigning the data with "Every Year" parameter unchecked after deleting the data which were read out with "Every Year" parameter checked, the year data will be indicated as "9999" since the year information is uncertain.

ATIMN: Assignment of Date and Time for NDM

1. General

This command sets the clock information for all systems within the FCCS Network. The time data assigned by this command is adjusted according to each LN's time difference data assigned by the ATDF command, before updating the NDM at each LN. The completion of time data assignment for each LN is displayed on the MAT.

2. Precautions

1. Prior to this command, the time difference data for all nodes must be assigned to the NCN using the ATDF command.
2. The clock is assigned in military time.
3. Clock information assigned in this command is necessary for the following purposes:
 - (a) To indicate time for a Desktop terminal and an ATT (Desk Console/Hotel Console)
 - (b) To specify the time for changing the route pattern for LCR
 - (c) To specify the time and date for changing the number development for LCR
 - (d) To specify the time for outgoing calls or for refusing incoming calls
 - (e) To specify the start time for the routing diagnosis
 - (f) To specify a length of time for Traffic Measurement
 - (g) SMDR
4. The system automatically takes the leap year into account.
5. Clock information is executed when the SET button is clicked.
6. This command is available for SIP Multiple Line terminals.

3. Data Entry Instructions

DATE

Year [four digits]

Enter the four digits of the year. (For example: 2013)

Month [1-12]

Enter the digits with a range of 1 to 12.

Day [1-31]

Enter the digits with a range of 1 to 31.

TIME

Hour [0-23]

Enter the digits with a range of 0 to 23.

Minute [0-59]

Enter the digits with a range of 0 to 59.

Second [0-59]

Enter the digits with a range of 0 to 59.

ATNR: Assignment of Tenant Restriction Class Data

1. General

This command assigns the tenant restriction data for each objective situation.

2. Precautions

1. Data can be entered on a Day/Night basis, if specified in ASYD command, SYS1, Index 75, b2=1.
2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

If data for this command is common for all tenants (ASYD command, SYS1, Index 94, b0=1), assign TN parameter as data "1" for all tenants.

3. Table "TRI" provides the Tenant Restriction Index (TRI) data. Since the OBJECTIVE SITUATION indicated as "-" may not always be the "Not used" index, do not enter RES=1 for "-" to prevent unexpected effects.

TRI

TRI	OBJECTIVE SITUATION
0	Station within OGTN calls to a station within TMTN
1	Station within OGTN sets Call Forwarding-All Calls / Busy Line / Don't Answer/Logout to a station within TMTN Note 1
2	—
3	Attendant Console within OGTN sets Call Forwarding-All Calls for a station within TMTN (Call Forwarding - All Calls set/Cancel by ATT)
4	Station within OGTN call to an Attendant Console within TMTN by dialing individual ATT number assigned by the ASAT command
5	External key within OGTN changes the Day/Night Mode of TMTN
6	—
7	Incoming call of the trunk within OGTN terminates to a station within TMTN (In the case of MFC signaling only)
8 - 15	—

Note 1: Call Forwarding-Logout is available.

3. Data Entry Instructions

D/N: Day/Night Mode

- Day Mode
- Night Mode

OGTN: Originating Tenant Number

Enter the Originating Tenant Number.

TMTN: Terminating Tenant Number

Enter the Terminating Tenant Number.

TRI: Tenant Restriction Index [0-15]

See Table "TRI" on the previous page.

RES: Restriction Data [0/1]

0=Restricted

1=Allowed

4. Data Sheet

DAY/NIGHT MODE (D/N)	ORIGINATING TENANT NUMBER (OGTN) 1-63												
TERMINATING TENANT NUMBER (TMTN)	TENANT RESTRICTION INDEX (TRI) 0 - 15						TERMINATING TENANT NUMBER (TMTN)	TENANT RESTRICTION INDEX (TRI) 0 - 15					
	0	1	3	4	5	7		0	1	3	4	5	7
1							33						
2							34						
3							35						
4							36						
5							37						
6							38						
7							39						
8							40						
9							41						
10							42						
11							43						
12							44						
13							45						
14							46						
15							47						
16							48						
17							49						
18							50						
19							51						
20							52						
21							53						
22							54						
23							55						
24							56						
25							57						
26							58						
27							59						
28							60						
29							61						
30							62						
31							63						
32													

ATRK: Assignment of Trunk Data

1. General

This command assigns the trunk data as the LENS, Trunk Route (RT) number and Trunk (TK) number.

2. Precautions

1. The Trunk Route (RT) is composed of the Trunks (TK). The trunk is categorized into two kinds; the external trunk and the internal trunk.
 - (a) The External trunk is an interface to a different node.
 - (b) The Internal trunk is a common device that is accessed by a station or an external trunk.
2. The attribute data configuring the external trunk route should be assigned by the ARTD command in advance.
3. The applicable number of external trunk routes (quantity) is designated by the ASYD command, SYS1, Index 65.
4. When trunk data has been assigned by this command, the trunk is in Make Busy state. The MBTK/MBLE commands are used for the Make Busy control.
5. The maximum number of Attendant Console is designated by the ASYD command, SYS1, Index 9.
6. When an Attendant Console is assigned, the following must also be entered:
 - (a) RSC: enter "0" normally
 - (b) SFC: enter "0" normally
 - (c) TN: tenant number that is handled by the ATT.

Note: The first Tenant Number entered in TN parameter becomes the tenant number of the Attendant Console.

7. When entering the LENS, consider the port appearance of the trunk circuit card, that is shown in Figure "ATRK for DTI (T1)" through Figure "ATRK for RST". The Group (G) number of LENS and the PCM highway running are illustrated in Figure "Group Number of LENS (7U-PIR)" and Figure "Group Number of LENS (8U-PIR)".

Group Number of LENS (7U-PIR)

Slot Number:	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Group Numbers:	01	03	05	07	09	11	15	19	23	MUX#0	MUX#1	01	03	05	07	09	11	15	19	23
Group Number:	00	02	04	06	08	10	14	18	22			00	02	04	06	08	10	14	18	22
							13	17	21			00	02	04	06	08	10	13	17	21
							12	16	20									12	16	20
Group Number:	27		29		31							27		29		31				
	26											26								
	25											25								
	24		28		30							24		28		30				

Highway Number: _____

HW0

HW1

Group Number of LENS (8U-PIR)

					27			29			31			15	19	23	TSW/MUX	TSW/MUX	27			29			31			15	19
		24		25	26			28			30			14	18	22			26		28			30			14	18	
					01	03	05	07	09	11	13	17	21	13	17	21			01	03	05	07	09	11	13	17			
					00	02	04	06	08	10	12	16	20	12	16	20	00	02	04	06	08	10	12	16					
Slot Number	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22						
PWR #0	PWR #1				●	●		●						HW0	HW6	●	●												
							●	●		●	●			HW1	HW7			●	●										
									●					HW2	HW8					●	●								
											●			HW3	HW9							●							
												●		HW4	HW10							●							
													●	HW5	HW11														
						●									HW12	HW14	●												
							●		●						HW13	HW15		●		●									

Highway Number

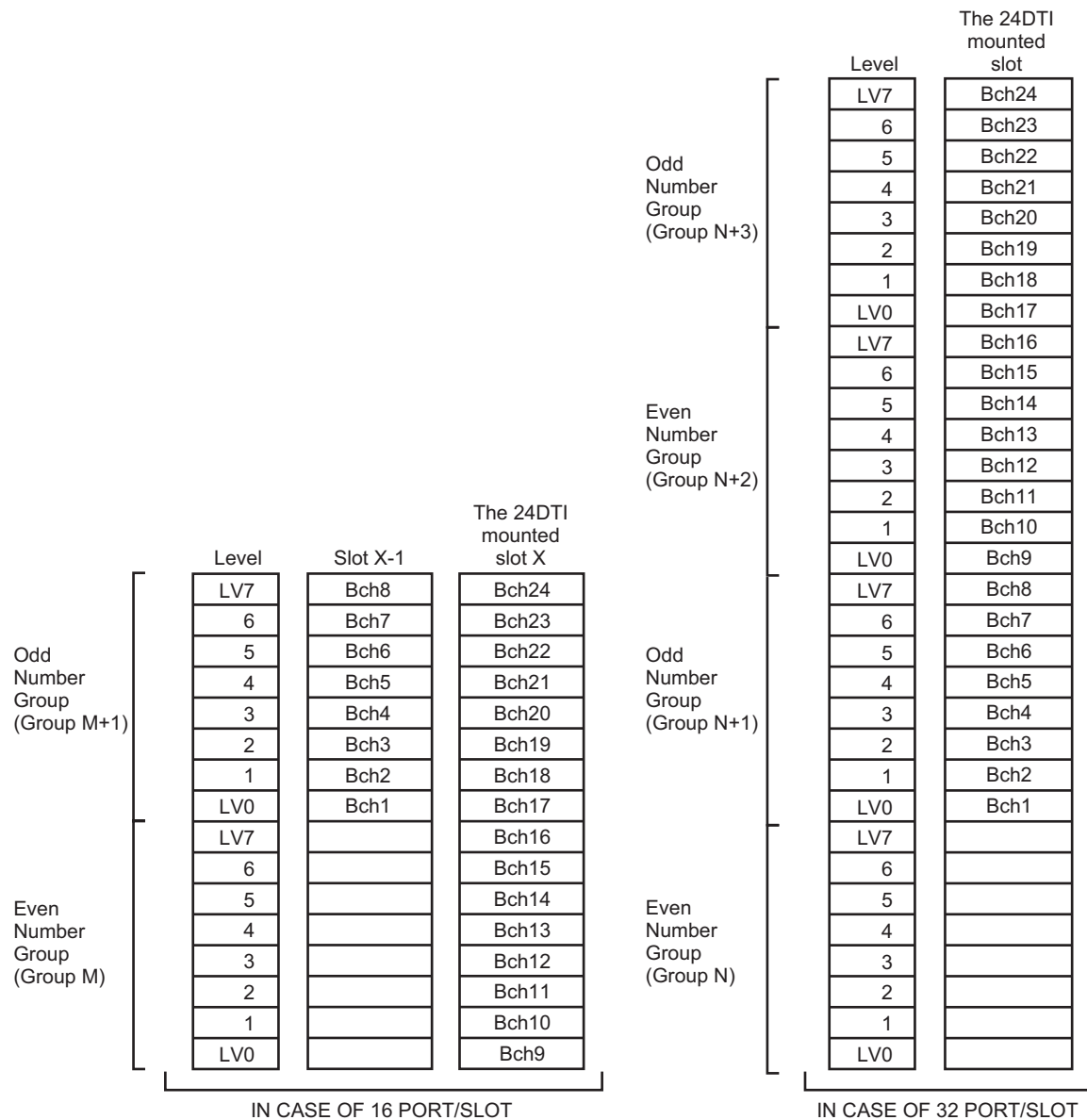
Highway Number

8. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
9. When deleting Attendant Console data, flip the SW00 of the ATI card into the Make Busy state before executing this command.
10. When deleting the CIC trunk of CCIS, a warning message may be displayed. This message means that the CIC trunk is busy or the line concerned is not connected. Before deleting the CIC trunk, confirm the line status by means of the DCON command.
11. When the trunk data assigned by this command has been deleted, the data assigned by the ACSI/AMAT command is also cleared.
12. When Announcement Trunk data is assigned by the AADT command, delete the trunk data by using AADT first, and then delete the data by using the ATRK command.
If you delete the trunk data using the ATRK command first, the data currently assigned by the AADT command will be automatically deleted, however, the AADT command will show incorrect data (RT=900, TK=0), regardless of any data assigned.
13. If there are less lines in the card accommodated in the PIR than ports (16/32) of the slot, when performing the trunk data assignment of the card, assign the group number stated below:

Number of Ports of One Slot	Number of Lines in Each Card	Assigned Group Number
16 ports	4 lines	Group number M+1
	8 lines	Group number M+1
	12 lines	Group number M
		Group number M+1
32 ports	4 lines	Group number N+3
	8 lines	Group number N+3
	12 lines	Group number N+2
		Group number N+3
	16 lines	Group number N+2
		Group number N+3

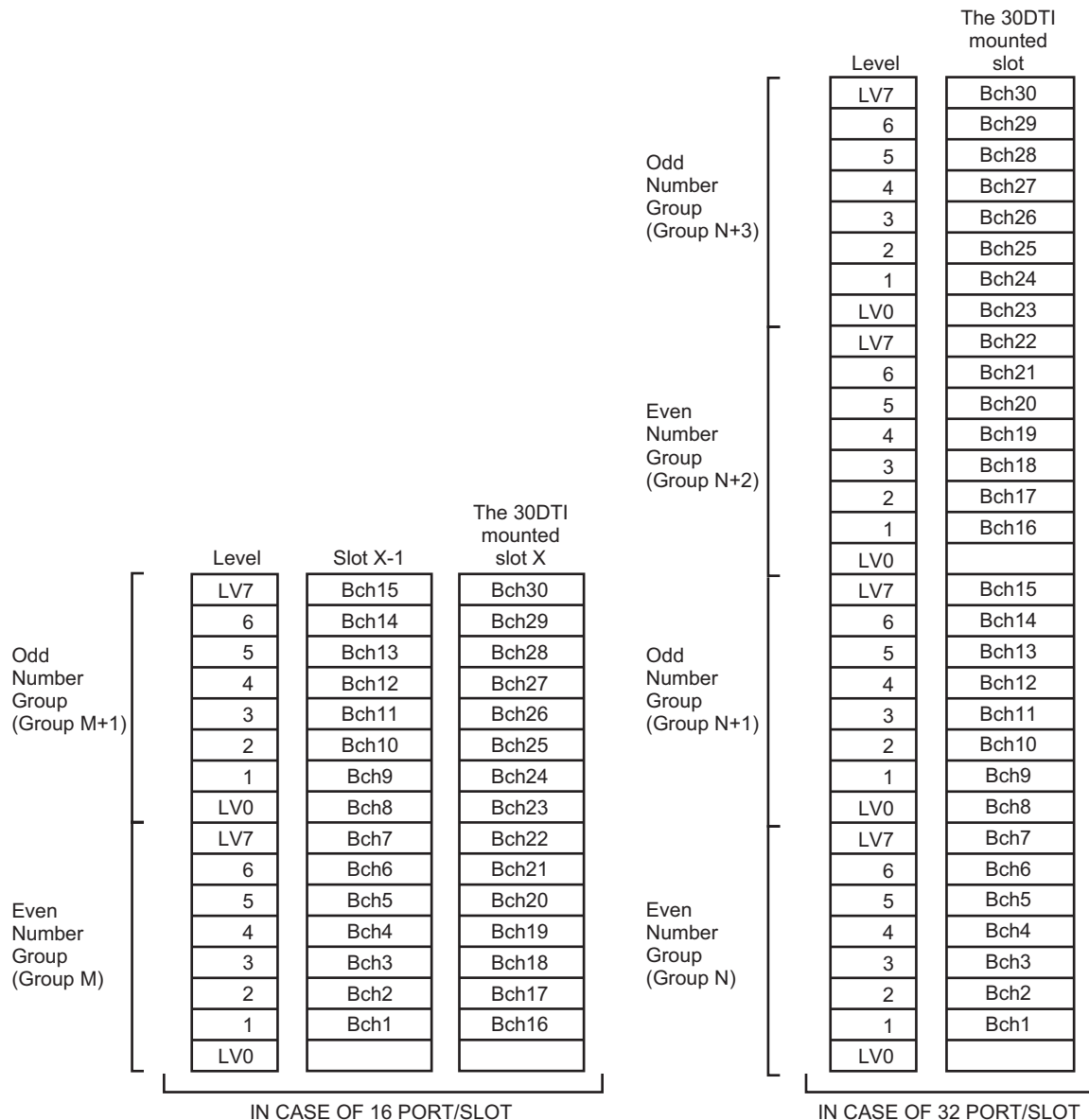
Note: M = Group number 00, 02, 04, 06, 08, 10
 N = Group number 12, 16, 20

ATRK for DTI (T1)



Note: Slot X and X-1 must be in the same highway for the 8U-PIR.

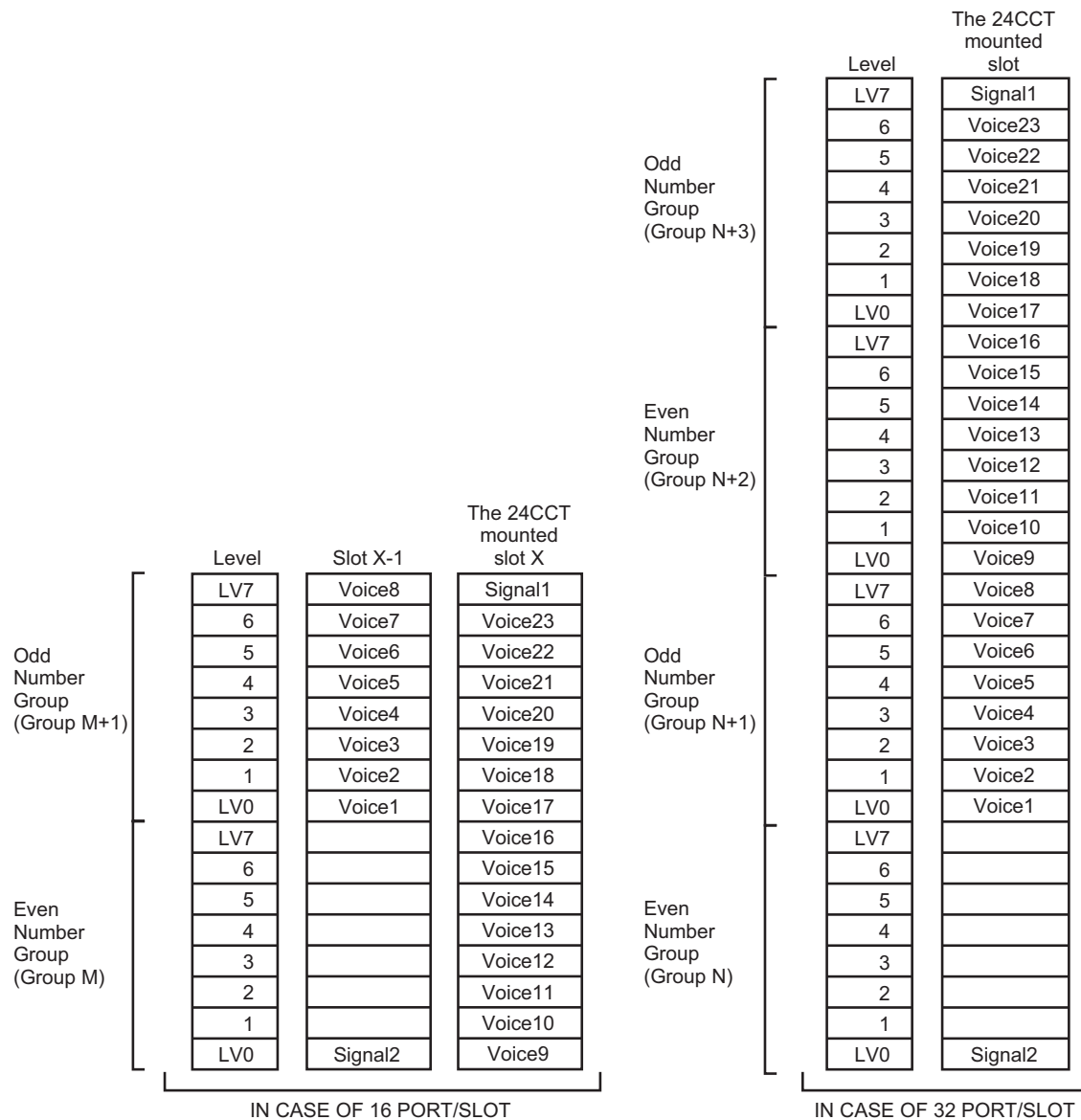
ATRK for DTI (E1)



Note: Slot X and X-1 must be in the same highway for the 8U-PIR.

ATRK for CCT (T1)

When a signal trunk uses TS 31.

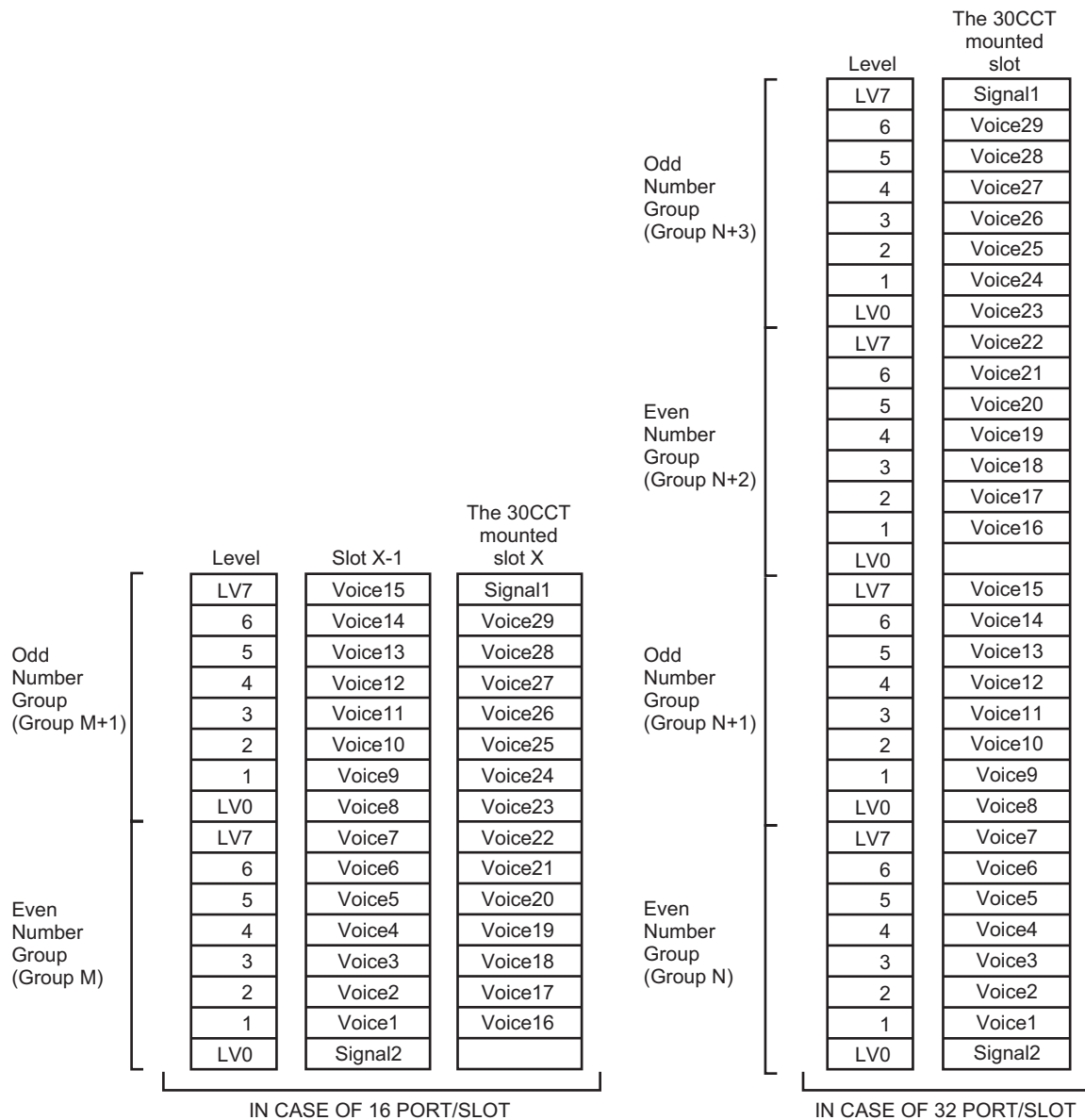


Note: Both Signal1 and Signal2 should be assigned as a Signal route.

Note: Slot X and X-1 must be in the same highway for the 8U-PIR.

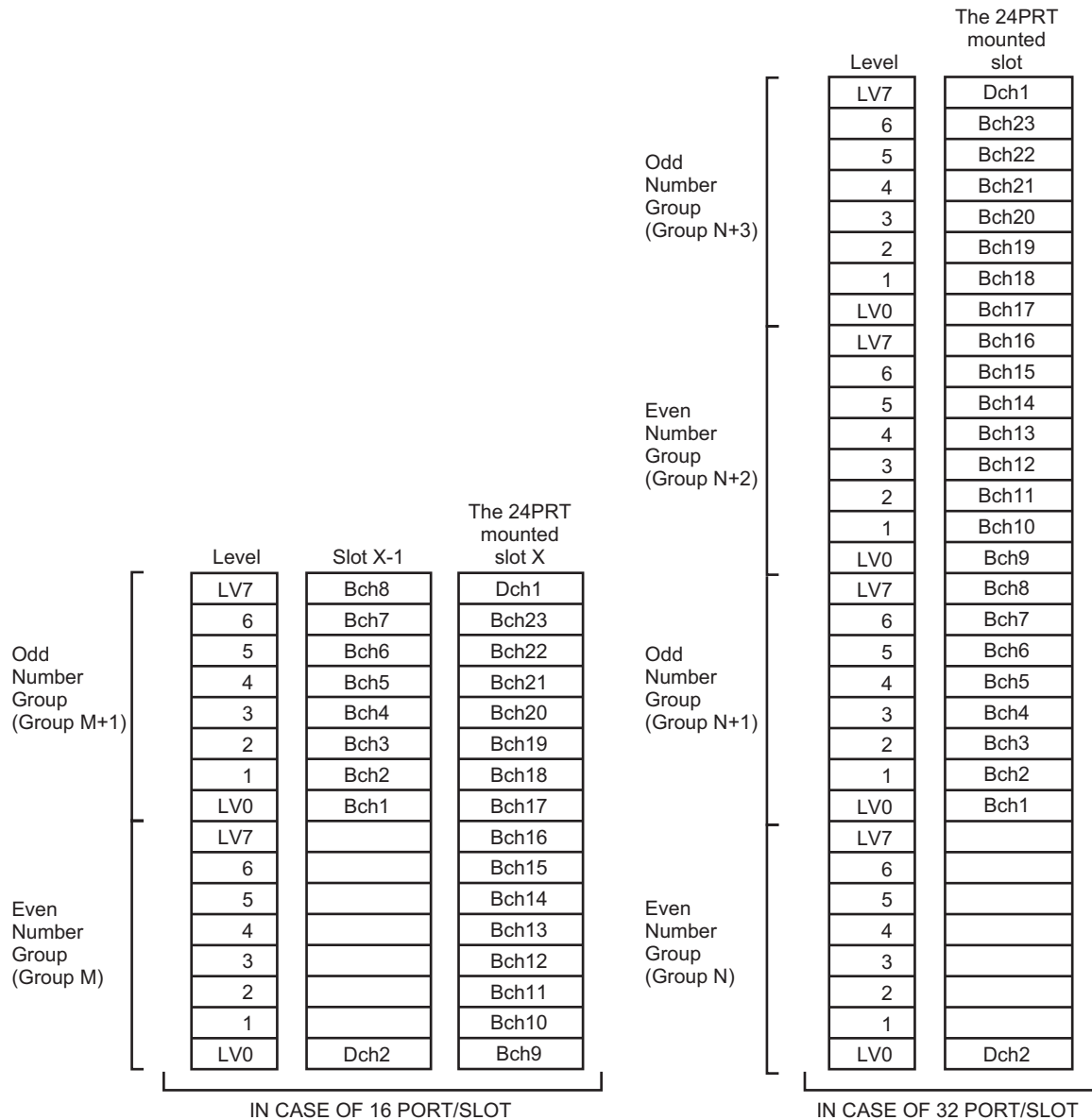
ATRK for CCT (E1)

When a signal trunk uses TS 31.



Note: Slot X and X-1 must be in the same highway for the 8U-PIR.

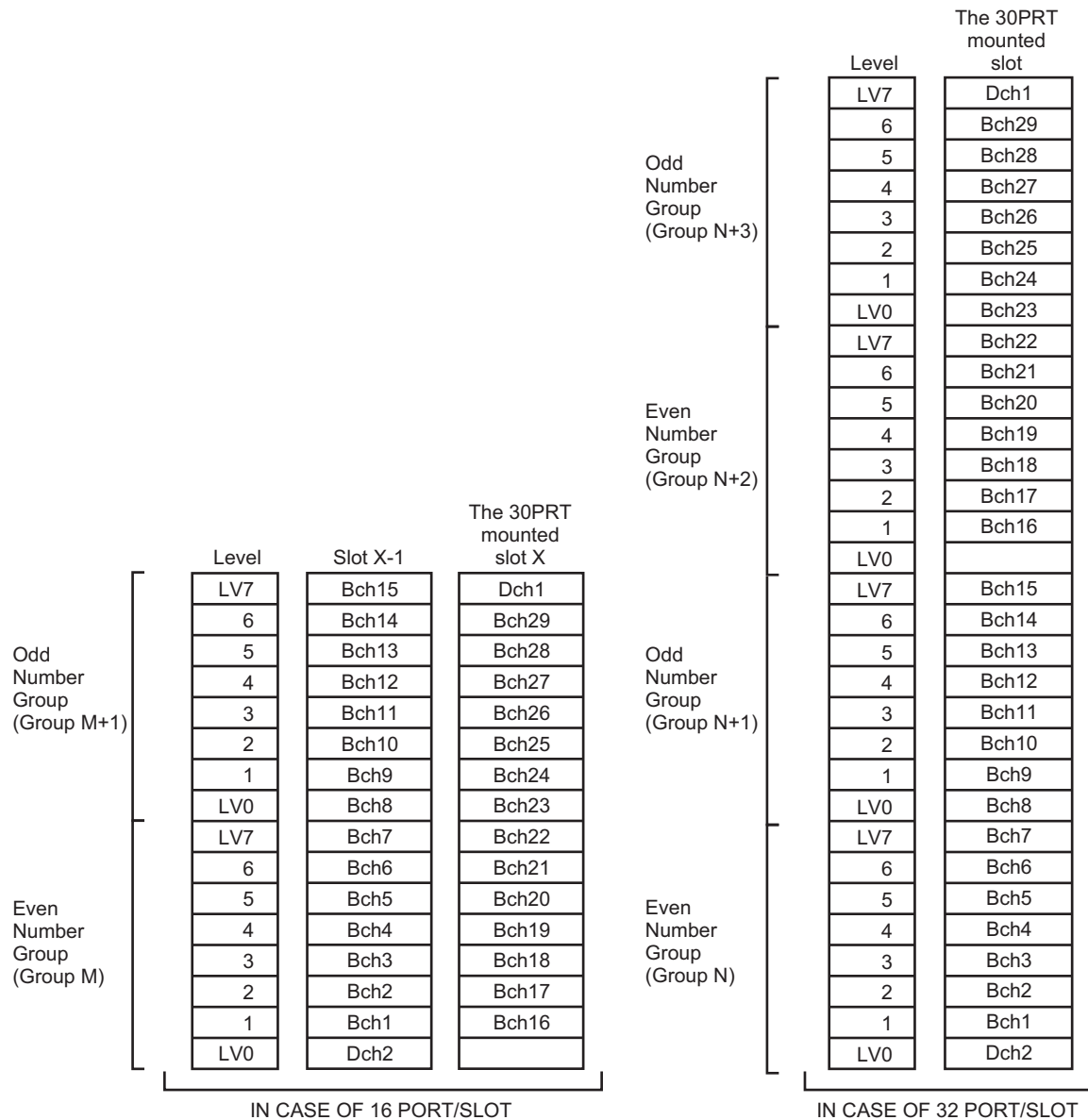
ATRK for PRT (23B+D)



Note: Both Dch1 and Dch2 should be assigned as a Dch route.

Note: Slot X and X-1 must be in the same highway for the 8U-PIR.

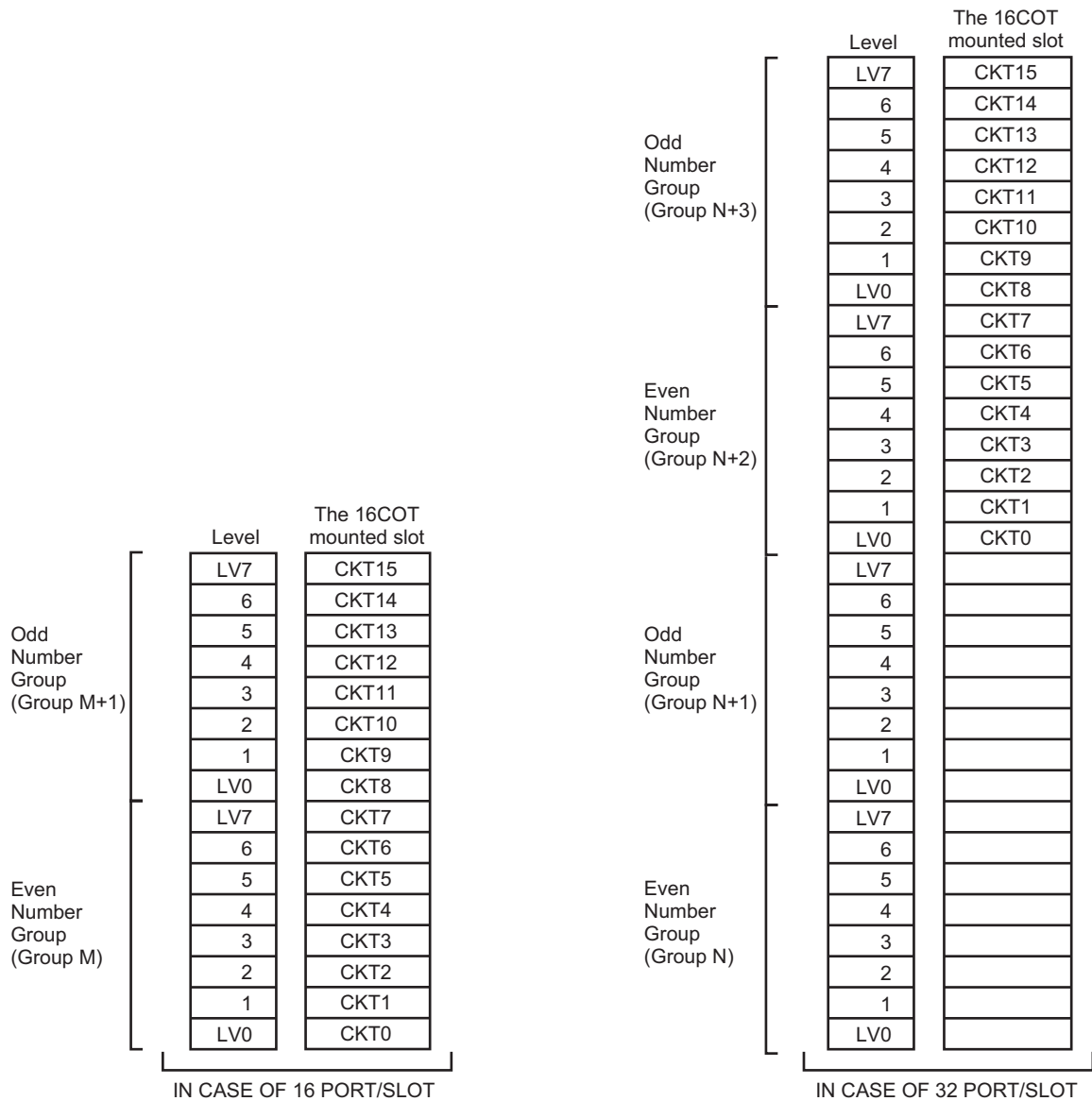
ATRK for PRT (30B+D)



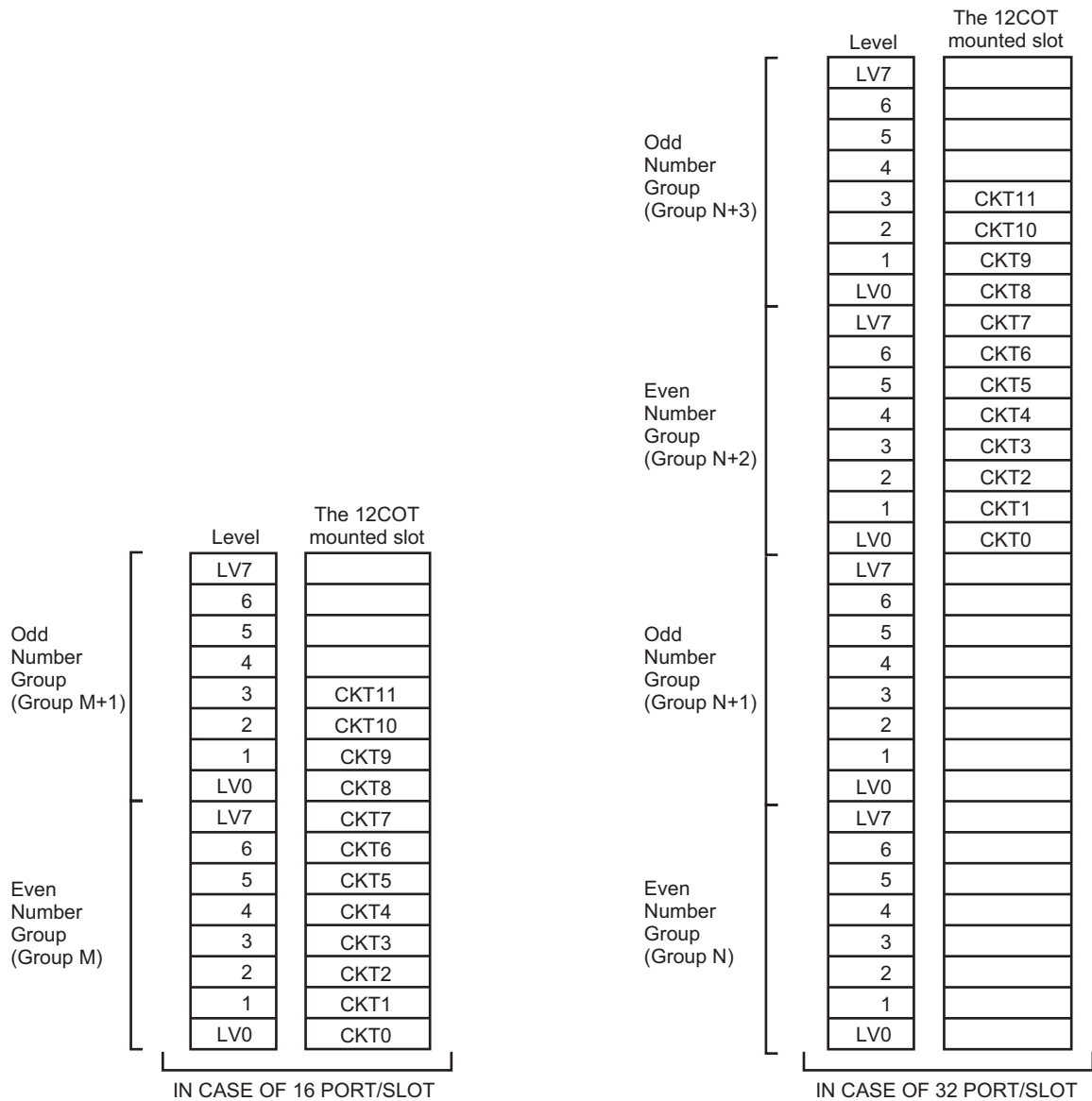
Note: Both Dch1 and Dch2 should be assigned as a Dch route.

Note: Slot X and X-1 must be in the same highway for the 8U-PIR.

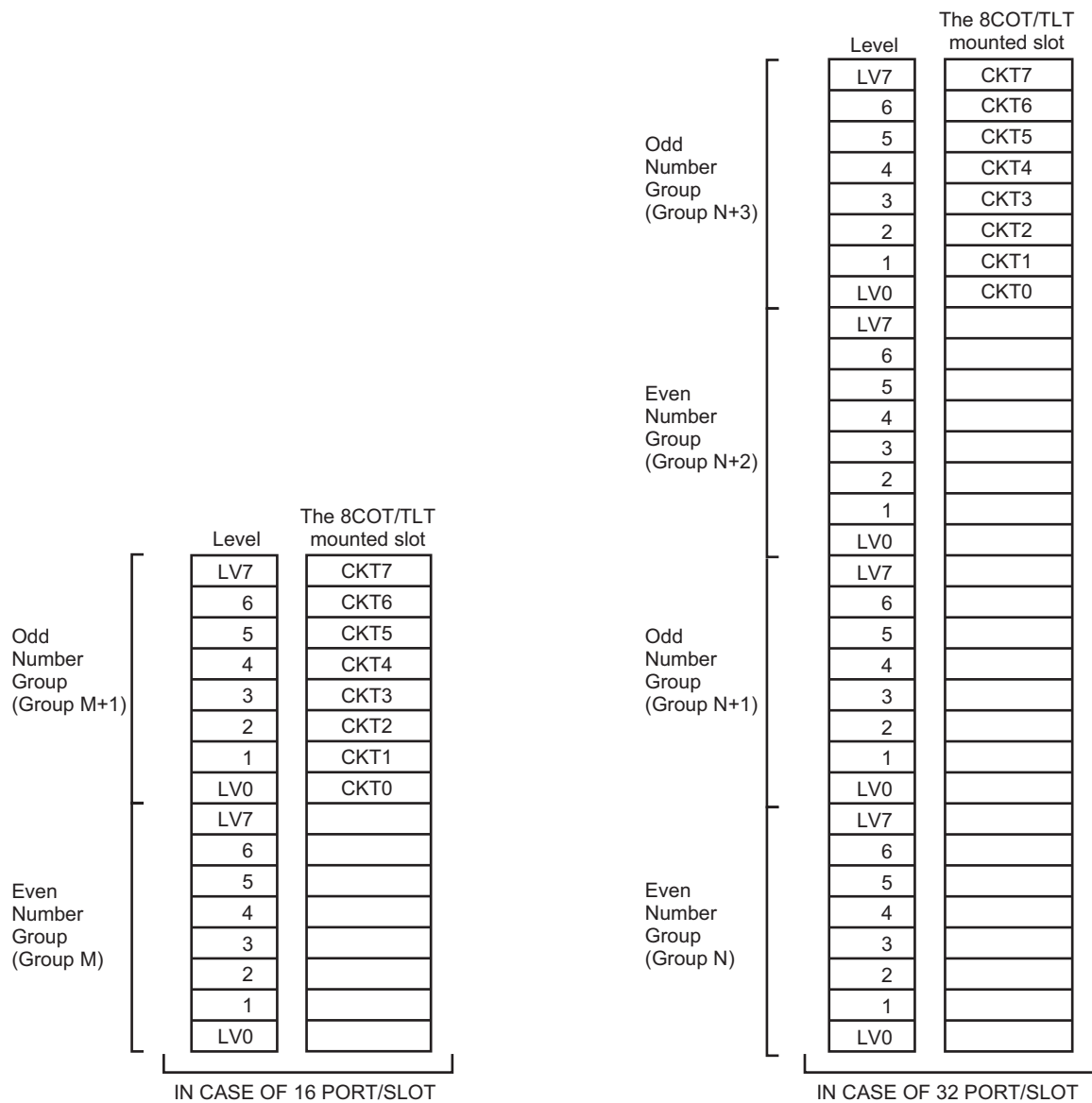
ATRK for 16COT



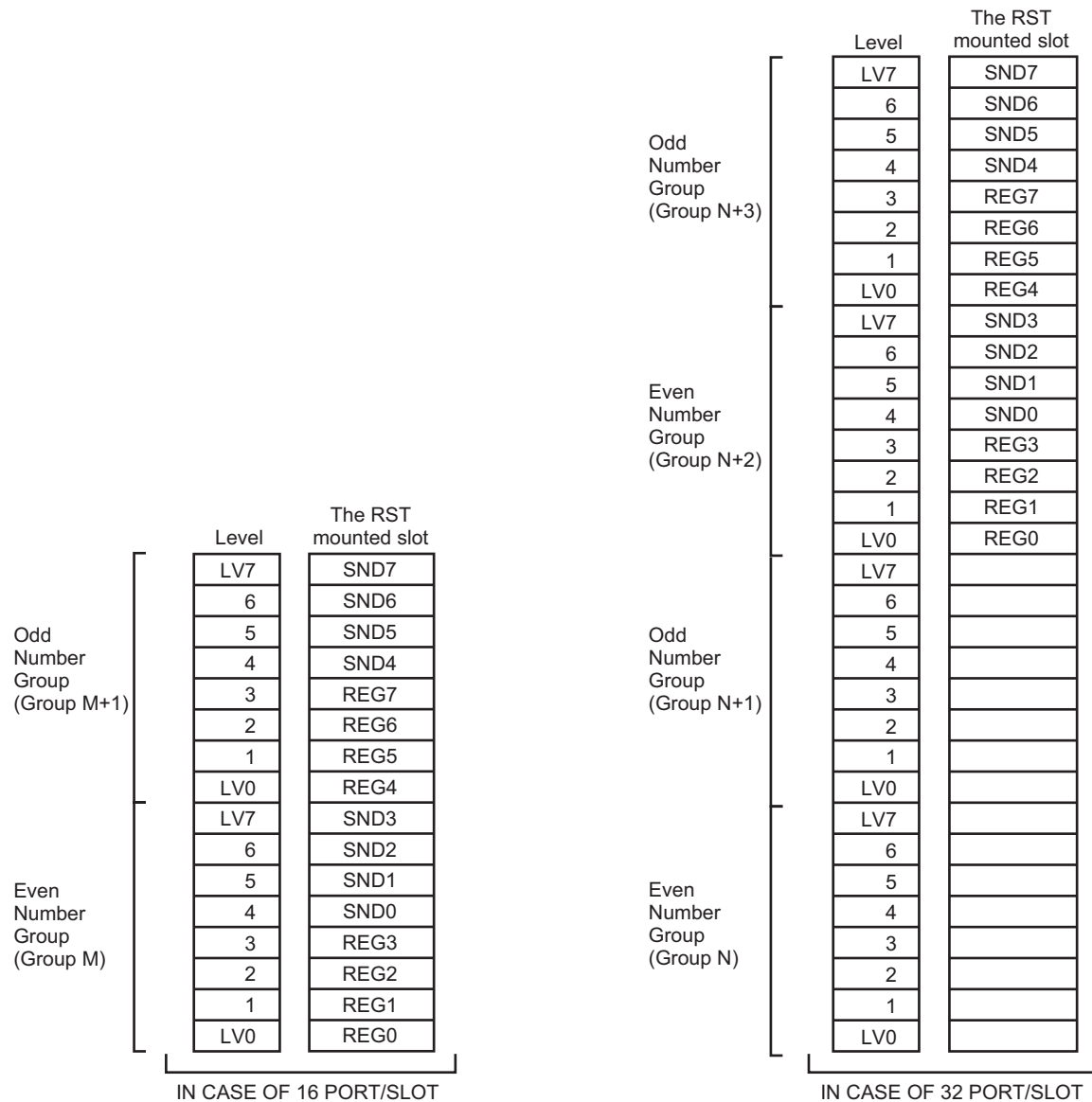
ATRK for 12COT



ATRK for 8COT/TLT

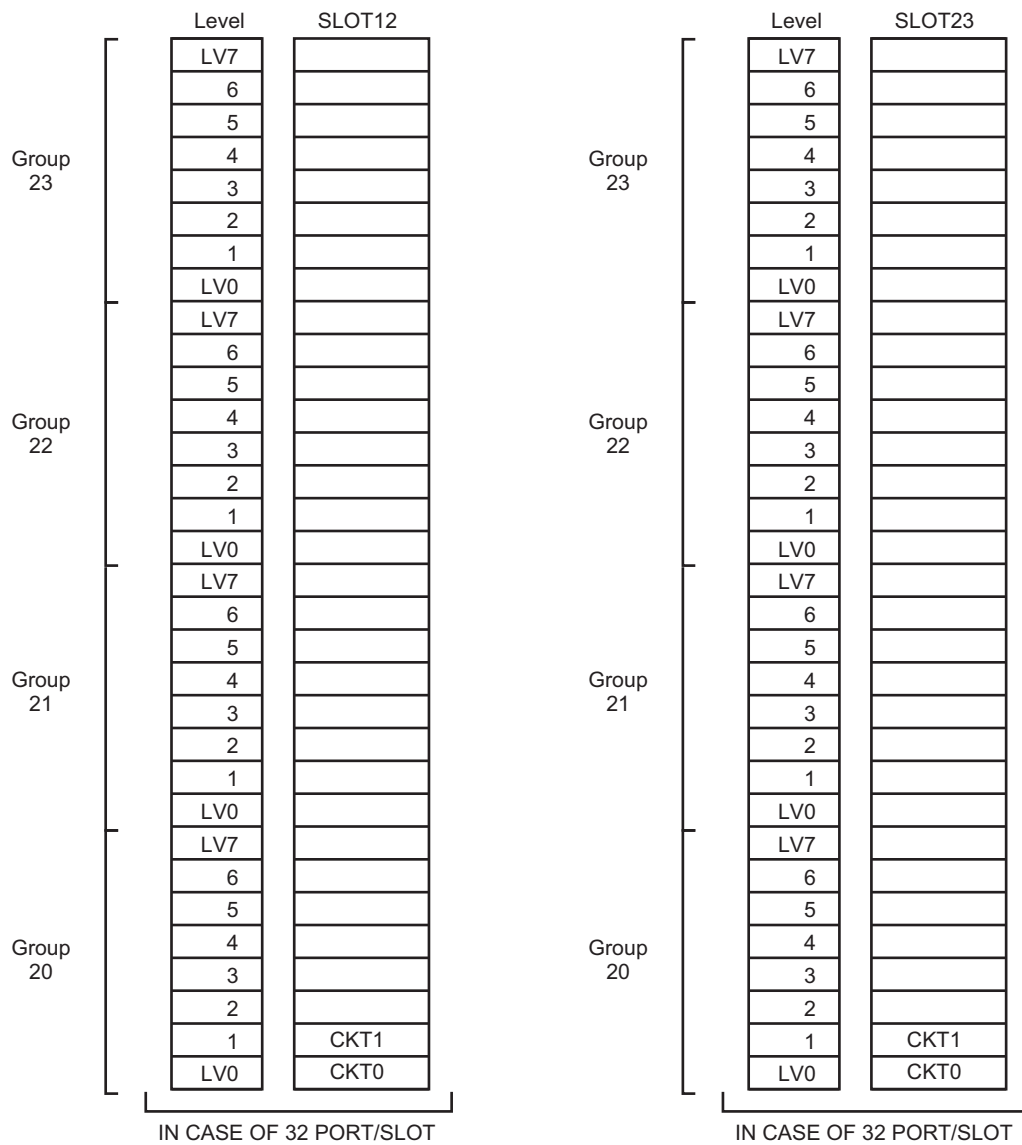


ATRK for RST

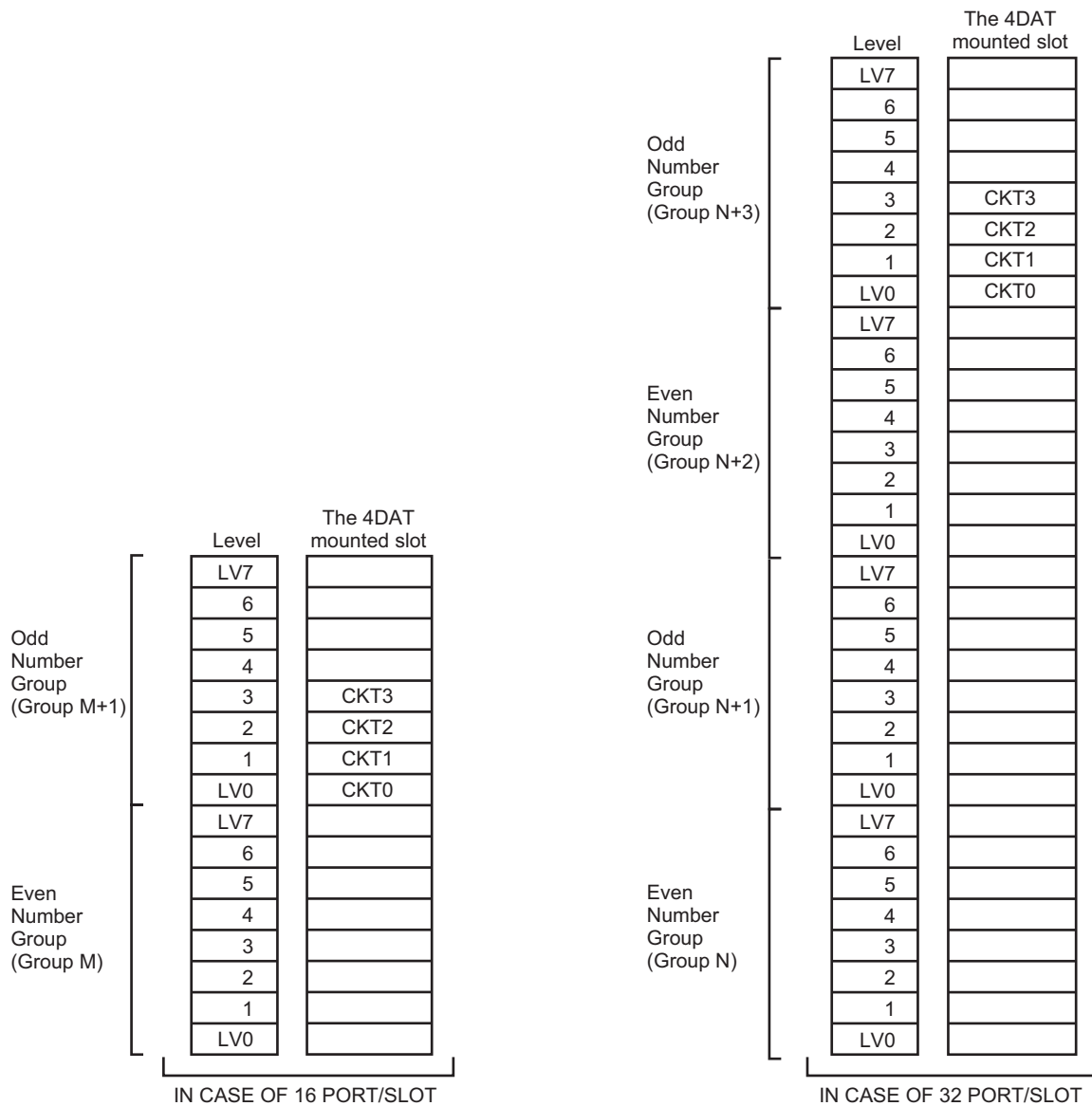


Note: REG0-REG7 can be assigned as ORT (RT902), IRT (RT903) or PBR for Automated Attendant service (RT906).
SND0 - SND7 is assigned for SND (RT905).

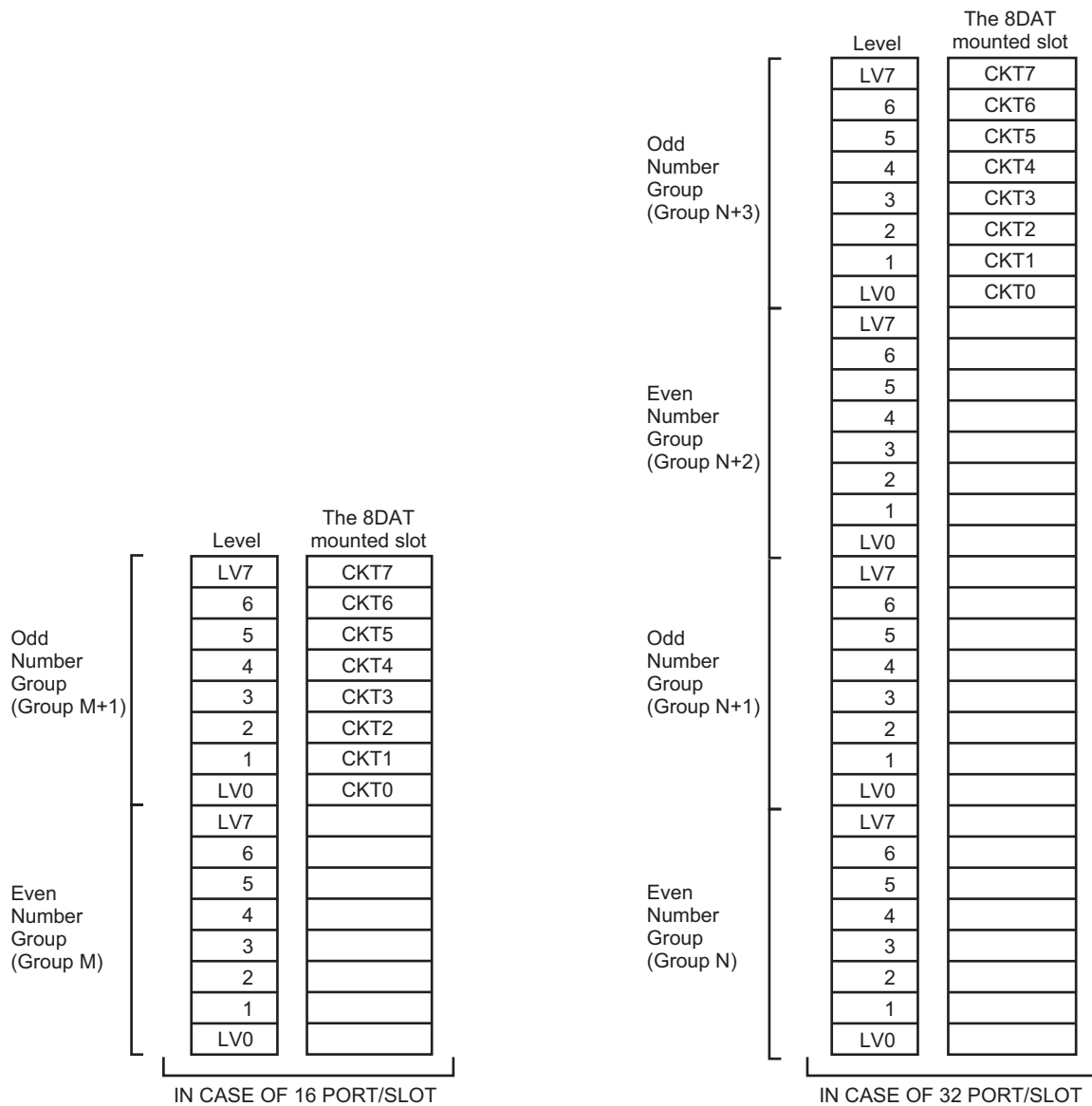
ATRK for ATI



ATRK for 4DAT



ATRK for 8DAT



ATRK for CFT (3 party conference)

		Level	
Group 23		LV7	
		6	
		5	CFT7
		4	
		3	
		2	CFT6
		1	
		LV0	
Group 22		LV7	CFT5
		6	
		5	
		4	CFT4
		3	
		2	
		1	CFT3
		LV0	
Group 21		LV7	
		6	CFT2
		5	
		4	
		3	CFT1
		2	
		1	
		LV0	CFT0
Group 20		LV7	
		6	
		5	
		4	
		3	
		2	
		1	
		LV0	

Group Number 21-23 of HW11

Note: If using the CFT of TSW/MUX circuit card, a slot or more in group 22 must have 3-party conference trunk assigned, even when you use only CFT0-CFT2.

3. Data Entry Instructions

◆ Internal Trunk Route/External Trunk Route (RT number except 901)

RT: Route Number [1-255, 9XX]

Enter the external trunk route number assigned by the ARTD command, or the internal trunk route number as listed below:

901=ATT

902=ORT

903=IRT

904=MFR

905=SND

906=PBR for Automated Attendant Service

907=AMP

909=DCFT

913=DCFT for ATT

915=Night ATT

916=MFCR

917=MFCS

919=DLINT (for Hotel): MODEM (for Business)

920-926=MODEM Pooling Trunk

930=Not used

929=DST

933=CRT

934-936=Not used

937=Caller ID Modem Sender Trunk

938=DLMX

939=Continuity Check Sender Trunk

940=Call Waiting Caller ID Register Trunk

941-947=Not used

TK: Trunk Number [1-255]

Enter unique trunk number with a range of 1 to 255.

LENS: Line Equipment Numbers [six digits]**TN: Tenant Number**

The TN Parameter is appended when the external trunk route number is entered in RT parameter.

◆ Attendant Console (RT=901)

RT: Route Number [901]

RT=901 for ATT.

TK: Trunk Number

Enter a unique number as the Attendant Console number.

LENS: Line Equipment Numbers [six digits]

MG: 00-31

Unit: 0-3

Group: 20

Level: 0 and/or 1 for ATT

RSC: Route Restriction Class [0-15]

RSC=0 should be assigned for ATT.

SFC: Service Feature Restriction Class [0-15]

SFC=0 should be assigned for ATT.

TN: Tenant Number

◆ DLMX (RT=938)

RT: Route Number [938]

Enter RT=938 for DLMX.

TK: Trunk Number [1-255]

Enter a unique trunk number to the assigned Route Number with a range of 1 to 255.

LENS: Line Equipment Numbers [six digits]

Enter the mounting location of each trunk.

MG:00-07

Unit:0-3

Group: 1, 5, 9 (system 0)

3, 7, 11 (system 1) **Note 1**

Level: 7

Note 1: A pair of DLMX card 0/1 system must be mounted in the same Highway Block (HW).

4. Data Sheet

(a) External Trunk Data

[illegible]

(b) Attendant Console Data (RT=901)

ROUTE NUMBER (RT)	TRUNK NUMBER (TK) Note 1	LINE EQUIPMENT NUMBERS (LENS) 6 DIGITS				ROUTE RESTRICTION CLASS (RSC) 0 - 15	SERVICE FEATURE CLASS (SFC) 0 - 15	TENANT	
		MG	U	G	LV			(CNT) 1 - 10	TENANT NUMBER (TN)
901				2	0			1	
				2	0			2	
				2	0			3	
				2	0			4	
				2	0			5	
				2	0			6	
				2	0			7	
				2	0			8	
				2	0			9	
				2	0			10	

Note 1 Trunk number refers to ATT number.

(c) Internal Trunk Data

[illegible]

ATSRL: Assignment of Telephone Number Service Restriction Data for LDM

1. General

This command is used to read out, assign, and delete the restriction data of services for Telephone Number. Use ATSRL for stand-alone system or ATSRN in the FCCS network.

2. Precautions

1. This command is available since FP95-115 V5.
2. The result of assignment is displayed on the RESULT and DETAIL parameters. When there is any failure during the assignment, an error message is displayed.
3. To initialize the all STATUS parameters (0=Not Used), click the [DEL] button.
4. The existing data assigned through this command can be overwritten.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits] (0-9, *, #)

<Service Usage Status>

Service Usage Status is displayed in this field.

SVN: Service Number [1-63]

STATUS:Status

0=Not Used

1=Used

RESULT:Processed Result

Success

Error

DETAIL: Detail Information of Error

4. Data Sheet

[illegible]

ATSRN: Assignment of Telephone Number Service Restriction Data for NDM

1. General

This command is used to read out, assign, and delete the restriction data of services for telephone number. Use ATSRL for stand-alone system or ATSRN in the FCCS network.

2. Precautions

1. This command is available since FP95-115 V5.
2. The result of assignment is displayed on the RESULT and DETAIL parameters. When there is any failure during the assignment, an error message is displayed.
3. To initialize the all STATUS parameters (0=Not Used), click the [DEL] button.
4. The existing data assigned through this command can be overwritten.
5. When the data is changed, restarting of the target terminal is required.

3. Data Entry Instructions

UGN: User Group Number [1-255]

TELN: Telephone Number [Maximum 16 digits] (0-9, *, #)

<Service Usage Status>

Service Usage Status is displayed in this field.

SVN: Service Number [1-63]

STATUS:Status

0=Not Used

1=Used

RESULT:Processed Result

Success

Error

DETAIL: Detail Information of Error

4. Data Sheet

[illegible]

ATSTN: Assignment of Telephone Number and Station Number for NDM

1. General

This command assigns both Telephone Number (TELN) and physical station number. As the function of ALGSN and ASDT commands are combined to this command, physical station number can be assigned at the same time when assigning the Telephone Number. If the Telephone Number is deleted, the allocated station number can also be deleted. The data assigned by this command is written in Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command can be used only when logging in to NCN.
2. If the Telephone Number is deleted by this command, also delete the station data assigned with the ASDT command. To delete the allocated Telephone Number only, use the ALGSN command.
3. If deletion of the ASDT data fails, only the deletion of the allocated Telephone Number is activated.
4. To delete IP station, delete the IP station data with the AISTL command before deleting it with this command.
5. This command is not available for Hotel system.

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number [Maximum 16 digits]

Enter the Telephone Number to be assigned.

FPC: Fusion Point Code [1-253]

Fusion Point Code of designated Telephone Number.

TN: Tenant Number

Tenant number of the physical station.

STN: Station number

Station number of the physical Station.

LENS: Line Equipment Numbers

LENS of the physical station.

TEC: Telephone Equipment Class [1-31]

- 1=DP (10pps)
- 2=PB
- 3=DP/PB
- 4=DP (20pps)
- 5-11=Not used
- 12=Dterm
- 13=Data Terminal via Dterm
- 14=Hot Line
- 15=CAS Line
- 16=Data Terminal via Data Module
- 17=Not used
- 18=Virtual Line Appearance (for Dterm Multi-Line)
- 19-22=Not used
- 23=ISDN Terminal
- 24-26=Not used
- 27=Eight Conference Equipment
- 28-31=Not used

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC command.

Since RSC=0 is preserved for ATTCON, a station can be used for the RSC with a range of 1 to 15.

SFC: Service Restriction Class [0-15]

Enter the SFC defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can be used the SFC with a range of 1 to 15.

4. Data Sheet

[illegible]

[illegible]

ATTD: Assignment of Trunk Test Data

1. General

This command assigns, deletes, and displays trunk connection test data.

2. Precautions

It cannot be executed to overwrite the existing data in this command.

3. Data Entry Instructions

- ◆ When TYPE=1(Trunk Test Parameters) is assigned:

TYPE: Information Type [1/2]

1=Trunk Test Parameters

RT TYPE: Route Type [1/2]

1=Route Number

2=Logical Route Number

RT: Route Number [1-255]

Enter the Route Number when RT TYPE=1 is assigned.

LGRT: Logical Route Number [1-899]

Enter the Logical Route Number when RT TYPE=2 is assigned.

RESP: Response Pattern [1-3]

1=Test Tone (Continuous 1kHz Tone)

2=Ringback Tone

3=Time Over (No Tone) **Note 1**

DC: Dial Code [Maximum 24 digits]

Note 1: Each trunk is automatically tested eight seconds after the previous digits have been sent out. If Test Tone (TT) or Ringback Tone (RBT) has been acknowledged, an error is indicated.

- ◆ When TYPE=2 (LENS of the LTST) is assigned:

TYPE: Information Type [1/2]

2=LENS of the LTST

LENS: Line Equipment Numbers

Enter the Line Equipment Numbers of the station connected to LTST.

ACC: Individual trunk Access Code [Maximum three digits]

Enter the Access Code for designating the individual trunk.

TN: Tenant Number

This parameter is displayed only.

STN: Station number [Maximum six digits]

This parameter is displayed only.

4. Data Sheet

(a) When TYPE=1

[illegible]

ATUD: Assignment of TELNET User ID and Password Data

1. General

This command creates Login Account such as User ID, Password, and User Level when using Telnet in system. The result of set/cancel process displays in the Result field.

2. Precautions

None.

3. Data Entry Instructions

Process Kind:

First select the following option and then specify the parameters. Click the Set button after specifying all of them.

Login Account Set = Mode for assigning Login Account

Login Account Cancel = Mode for deleting the existing Login Account

LENS: Line Equipment Numbers [six digits]

USER ID: User ID for using telnet [Up to 20 Characters]

PASSWORD: Password for using telnet [8-20 Characters]

USER LEVEL: User Level for Telnet [0-255]

VALID TIME: Duration of Time when connecting system by telnet. [0-24]

0 = 30 minutes

1-24= 1-24 hours

4. Data Sheet

[illegible]

AUACL: Assignment of User Agent Class Data for LDM

1. General

This command assigns User Agent Class and its class data corresponding to each User Agent for SIP Handler Controlled SIP terminals.

2. Precautions

1. To reflect the User Agent Class data assignment, either of the following operations is required.
 - Add the assigned User Agent Class to the User Agent Search Sequence list.
 - Assign the User Agent Class to Telephone Number used by SIP Handler Controlled SIP terminals to log in to the system with the ADSDL/ADSDN command.
2. To confirm what User Agent Information is given by SIP Handler, use either of the following methods.
 - Output the Trigger No. 48 (REGISTER message information which Internal SIP Handler received) with the EVLOG command.
 - After SIP Handler Controlled SIP terminals' registration to Telephony Server is completed, execute the IPAN command and confirm the User Agent information with the IPAN command.
 - Collect SIP packets sent from SIP Handler Controlled SIP terminals with LAN packet capture software, then confirm User Agent Information in REGISTER message.

3. Data Entry Instructions

FUNC:

User Agent Class Setting

User Agent Search Sequence Setting

<When FUNC=User Agent Class Setting is selected>

TYPE: Type of User Agent

System Default

User Agent Class

UAN: User Agent Class Number [1-63]

KIND

- System Default Setting: This parameter sets the information to be applied to SIP Handler Controlled SIP terminals which are not applicable to the information assigned to User Agent Class. When no data is set for this parameter, the default data for each parameter is applied to SIP Handler Controlled SIP terminals.
- Initialize the System Default: This parameter initializes the User Agent Class data.

UA: User Agent [Maximum 32 Characters]

Apply the existing User Agent Class data to a SIP Handler Controlled SIP terminal which gives notice of the User Agent information containing a string (alphanumerics, symbol and space) assigned for the UA parameter.

Note: The User Agent information given by the SIP Handler Controlled SIP terminal is able to be up to 64 digits in length. The string assigned for the UA parameter needs to contain the User Agent information given by SIP Handler Controlled Standard SIP Terminal within 32 digits.

Note: The command data can be assigned even if this box is left blank. In that case, the User Agent will not be added to the User Agent Search Sequence list.

INFORMATION: Information of SIP Phone [Maximum 32 Characters]

Make comments with a string (alphanumerics, symbol and space).

To make clear which the SIP Handler Controlled SIP terminal has the User Agent Class setting, we recommend to make comments on the SIP Phone such as vender name, product name, and characteristics of function.

Note: The command data can be assigned even if this box is left blank.

User Agent Class Data**Register Expires**

Enter the time until the registration expires. [0, 300-4294967295 seconds (default value: 0)]
When the default value "0" is entered, the timer will be 3600 seconds.

Note: When this parameter is changed while the SIP Handler Controlled SIP terminal is operating, the change is reflected after the SIP Handler Controlled SIP terminal performs registration.

Multiline Mode: Operation Mode [0/1 (default value: 0)]

- 0: Single line Mode
1: Multi line Mode

Note: Multi Line Mode is available for North America only.

Send INVITE with SDP [0/1 (default value: 0)]

- 0: Without SDP
- 1: With SDP

Note: Do not change this data in normal operation. If the data for With SDP is selected, note the following conditions:

- When the SIP Handler Controlled SIP terminal puts a call on hold and then answer the call, the SIP terminal changes the RTP port before putting the call on hold, the call is disabled.
- Early part of the speech might be missed because it takes long to establish the speech path.
- Assign G.711 for the payload size in Telephony Server side with the AIVCL command. Also assign the same payload size in the SIP Handler Controlled SIP terminal side.

Hold Method [0/1 (default value: 0)]

- 0: sendonly (RFC3264)
- 1: c=0 (RFC2543)

SIP-INFO: DTMF by SIP-INFO [0/1 (default value: 0)]

- 0: Enable
- 1: Disable

Send signal (*, #) of SIP-INFO [0/1 (default value: 0)]

- 0: * = “10”, # = “11”
- 1: * = “*”, # = “#”

MWI: Message Waiting Indication [0/1 (default value: 0)]

- 0: Enable
- 1: Disable

Note: If 1: Disable is selected when MWI is enabled by the SIP Handler Controlled SIP terminal side, the lamp state off is always notified.

Name Display: Name Display Notification of Incoming Information [0/1 (default value: 0)]

- 0: Disable
- 1: Enable

Reject Unacceptable reINVITE: Reject Unacceptable reINVITE [0/1 (default value: 0)]

This parameter assigns the system behavior how to handle the reINVITE message received from the SIP Handler Controlled SIP terminal due to the state that the system cannot accept setting/cancelling call hold. For example, the SIP Handler Controlled SIP terminal receives Special Dial Tone (SPDT).

- 0: Not Reject (200OK)
- 1: Reject (488)

Hold 2nd Call: Hold 2nd Call Operation [0/1 (default value: 0)]

- 0: Intermediate Party is not Released
- 1: Intermediate Party is Released (Call Transfer- All Calls)

Note: This setting is valid when Multiline Mode=0 (Single line Mode).

Call Record Memory Clear [0/1 (default value: 0)]

- 0: Disable
- 1: Enable

Note: This setting is used for Guest Station Call Record Automatic Clear [G-27].

TONE[0]: IP-DTG Tone Send Control Bit [00-FF Hex. (default value: FE Hex.)]

Enable/Disable is set by each bit. **Note 1**

- Bit 0: DT (Not used) **Note 2**
- Bit 1: SPDT
- Bit 2: RBT
- Bit 3: CWT
- Bit 4: BT
- Bit 5: ROT
- Bit 6: SST
- Bit 7: SDT **Note 3**

- 0: Disable
- 1: Enable

Note 1: Data change is applied to the office data immediately.

Note 2: Do not change the default data 0 (Disable) for this bit.

Note 3: To avoid hearing the dial tone (DT) when calling to an external line where parameter 2nd DT=1 with the ASPA/ASPAL/ASPAN command, set this bit to 0 (Disable).

TONE[1]: IP-DTG Tone Send Control Bit [00-FF Hex. (default value: 3F Hex.)]

Enable/Disable is set by each bit. **Note 4**

- Bit 0: TRG
- Bit 1: SDTT
- Bit 2: CWRBT
- Bit 3: ICPT
- Bit 4: CSDT
- Bit 5: TEST
- Bit 6: MUSIC **Note 5**

Bit 7: Not used

0: Disable

1: Enable

Note 4: Data change is applied to the office data immediately.

Note 5: Enable Bit 6: MUSIC only when a Music on Hold is sent from IP-DTG. When a Music on Hold is sent from Standard SIP terminals or an external Music on Hold is used, disable this bit.

Nurse Call Display: (Not used. Always set to 0.)

Distinctive Ringing: (Not used. Always set to 0.)

Notice of URL: (Not used. Always set to 0.)

Notice of Connected Number: [0/1 (default value: 0)]

0: Disable

1: Enable

Note: This setting is valid only for the standard SIP terminal which is conformable to RFC3325 and RFC5876. Do not choose 1 (Enable) for other terminals.

DNIS Notification of INVITE: [0/1 (default value: 0)] **Note 6**

Providing only dialed number information in the FROM field of INVITE message for an incoming call.

0: Disable

1: Enable

DNIS and ANI Notification of INVITE: [0/1 (default value: 0)] **Note 6**

Providing both dialed number and caller's number information in the FROM field of INVITE message for an incoming call.

0: Disable

1: Enable

Note 6: Please note the following points:

- Available since FP95-112 V2.
- Parameters **DNIS Notification of INVITE** and **DNIS and ANI Notification of INVITE** are mutually exclusive and cannot be enabled simultaneously.

Multimedia: Multimedia Communication [0/1 (default value: 0)]

0: Disable

1: Enable

Note: Available since FP95-114 V4.

Note: When CDN20 (Multimedia Communication) of the AUACL/AUACN command is enabled, CDN3 (send INVITE with SDP) is disabled.

Note: A change in this parameter is immediately applied.

Hold Detection at Multimedia: [0/1/2 (default value: 0)]

0: Audio
1: Audio and Video
2: Non-Detection

Note: Available since FP95-114 V4.

Note: This parameter is used only when multimedia communication is set to enable.

Note: A change in the parameter is applied when there is call sending/receiving.

Note: For a terminal without video capacity, even if 1 is set, operations will be the same as if 0 is set.

Transport Layer: Transport Layer of SIP Signaling [0/1/2 (default value: 0)]

0: AUTO
1: UDP
2: TCP

Note: Please note the following points:

- Available since FP95-114 V4.
- This setting requires the TCP setting to be enabled. If TCP is not enabled (because system data settings or other reason), TCP for the sending and receiving of SIP messages is not possible.
- This setting does not decide the transport layer for the terminals. What is set is the protocols used by the SIP Handler of the Telephony Server when assisting the communication between the terminals.
- This setting is used only if the transport protocol is not set in the transport parameter of the Contact header in the REGISTER request. If the transport protocol is set in the REGISTER, that protocol is used regardless of the setting of CDN22.
- The default setting uses TCP for sending SIP messages of more than 1300 bytes or answering to TCP request messages (regardless of the size of the answering message).
- If UDP is selected, the SIP Handler sends the request messages using UDP (be aware that long messages may become fragmented). However, the SIP Handler is also able to process messages received with TCP and any message received with TCP is also answered with TCP regardless of this parameter setting.
- If TCP is selected, the SIP Handler uses TCP for sending messages but is able to process received messages with UDP.
- A change in the parameter is applied when there is call sending/receiving.

<When FUNC=User Agent Search Sequence Setting is selected>

Set the sequence which enables the system to search for an appropriate Agent User Class according to the User Agent Information given by the SIP Handler Controlled SIP terminal.

The system confirms whether the User Agent Information contains a character string of User Agent or not in the order corresponding to User Agent Class assigned with this parameter.

Then the first batch of User Agent Class in the search is applied to the SIP Handler Controlled SIP terminal.

Note: A blank space is included in the character strings to be searched.

User Agent Search Sequence

Priority [1-63]

S_UAN: User Agent Class Number [1-63]

UA: User Agent (Display only)
Displays User Agent Information set to each User Agent Class Number.

INFORMATION: Information of SIP Phone (Display only)
Displays information commented on the SIP Handler Controlled SIP terminal set to each Agent Class Number.

4. Data Sheet

- FUNC=User Agent Class Setting

No.	Type Of User Agent (TYPE)	User Agent Class No. [1-63] (UAN)	User Agent (UA)	Information of SIP Phone (INFORMATION)

No.					
User Agent Class No. [1-63] (UAN)					
User Agent (UA)					
1	Register Expires				
2	Multiline Mode				
3	Send INVITE with SDP				
4	Hold Method				
5	DTMF by SIP-INFO				
6	Send signal (*, #) of SIP-INFO				
7	MWI				
8	Name Display				
9	Reject Unacceptable reINVITE				
10	Hold 2nd Call				
11	Call Record Memory Clear				
12	TONE[0]				
13	TONE[1]				
14	Nurse Call Display				
15	Distinctive Ringing				
16	Notice of URL				
17	Notice of Connected Number				

No.						
User Agent Class No. [1-63] (UAN)						
18	DNIS Notification of INVITE					
19	DNIS and ANI Notifica- tion of INVITE					
20	Multimedia					
21	Hold Detection at Multi- media					
22	Transport Layer					

AUACN: Assignment of User Agent Class Data for NDM

1. General

This command assigns User Agent Class and its class data corresponding to each User Agent for SIP Handler Controlled SIP terminals.

2. Precautions

1. To reflect the User Agent Class data assignment, either of the following operations is required.
 - Add the assigned User Agent Class to the User Agent Search Sequence list.
 - Assign the User Agent Class to Telephone Number used by SIP Handler Controlled SIP terminals to log in to the system with the ADSDL/ADSDN command.
2. To confirm what User Agent Information is given by SIP Handler, use either of the following methods.
 - Output the Trigger No. 48 (REGISTER message information which Internal SIP Handler received) with the EVLOG command.
 - After SIP Handler Controlled SIP terminals' registration to Telephony Server is completed, execute the IPAN command and confirm the User Agent information with the IPAN command.
 - Collect SIP packets sent from SIP Handler Controlled SIP terminals with LAN packet capture software, then confirm User Agent Information in REGISTER message.

3. Data Entry Instructions

FUNC:

User Agent Class Setting

User Agent Search Sequence Setting

<When FUNC=User Agent Class Setting is selected>

TYPE: Type of User Agent

System Default

User Agent Class

UAN: User Agent Class Number [1-63]

KIND

System Default Setting: This parameter sets the information to be applied to SIP Handler Controlled SIP terminals which are not applicable to the information assigned to User Agent Class. When no data is set for this parameter, the default data for each parameter is applied to SIP Handler Controlled SIP terminals.

Initialize the System Default: This parameter initializes the User Agent Class data.

UA: User Agent [Maximum 32 Characters]

Apply the existing User Agent Class data to a SIP Handler Controlled SIP terminal which gives notice of the User Agent information containing a string (alphanumerics, symbol and space) assigned for the UA parameter.

Note: The User Agent information given by the SIP Handler Controlled SIP terminal is to be up to 64 digits in length. The string assigned for the UA parameter needs to contain the User Agent information given by SIP Handler Controlled Standard SIP terminal within 32 digits.

Note: The command data can be assigned even if this box is left blank. In that case, the User Agent will not be added to the User Agent Search Sequence list.

INFORMATION: Information of SIP Phone [Maximum 32 Characters]

Make comments with a string (alphanumerics, symbol and space).

To make clear which the SIP Handler Controlled SIP terminal has the User Agent Class setting, we recommend to make comments on the SIP Phone such as vender name, product name, and characteristics of function.

Note: The command data can be assigned even if this box is left blank.

User Agent Class Data**Register Expires**

Enter the time until the registration expires. [0, 300-4294967295 seconds (default value: 0)]
When the default value "0" is entered, the timer will be 3600 seconds.

Note: When this parameter is changed while the SIP Handler Controlled SIP terminal is operating, the change is reflected after the SIP Handler Controlled SIP terminal performs registration.

Multiline Mode: Operation Mode [0/1 (default value: 0)]

0: Single line Mode
1: Multi line Mode

Note: Multi Line Mode is available for North America only.

Send INVITE with SDP [0/1 (default value: 0)]

- 0: Without SDP
- 1: With SDP

Note: Do not change this data in normal operation. If the data for With SDP is selected, note the following conditions:

- When the SIP Handler Controlled SIP terminal puts a call on hold and then answer the call, the SIP terminal changes the RTP port before putting the call on hold, the call is disabled.
- Early part of the speech might be missed because it takes long to establish the speech path.
- Assign G.711 for the payload size in Telephony Server side with the AIVCL command. Also assign the same payload size in the SIP Handler Controlled SIP terminal side.

Hold Method [0/1 (default value: 0)]

- 0: sendonly (RFC3264)
- 1: c=0 (RFC2543)

SIP-INFO: DTMF by SIP-INFO [0/1 (default value: 0)]

- 0: Enable
- 1: Disable

Send signal (*, #) of SIP-INFO [0/1 (default value: 0)]

- 0: * = “10”, # = “11”
- 1: * = “*”, # = “#”

MWI: Message Waiting Indication [0/1 (default value: 0)]

- 0: Enable
- 1: Disable

Note: If 1: Disable is selected when MWI is enabled by the SIP Handler Controlled SIP terminal side, the lamp state off is always notified.

Name Display: Name Display Notification of Incoming Information [0/1 (default value: 0)]

- 0: Disable
- 1: Enable

Reject Unacceptable reINVITE: Reject Unacceptable reINVITE [0/1 (default value: 0)]

This parameter assigns the system behavior how to handle the reINVITE message received from the SIP Handler Controlled SIP terminal due to the state that the system cannot accept setting/cancelling call hold. For example, the SIP Handler Controlled SIP terminal receives Special Dial Tone (SPDT).

- 0: Not Reject (200OK)
- 1: Reject (488)

Hold 2nd Call: Hold 2nd Call Operation [0/1 (default value: 0)]

- 0: Intermediate Party is not Released
- 1: Intermediate Party is Released (Call Transfer- All Calls)

Note: This setting is valid when Multiline Mode=0 (Single line Mode).

Call Record Memory Clear [0/1 (default value: 0)]

- 0: Disable
- 1: Enable

Note: This setting is used for Guest Station Call Record Automatic Clear [G-27].

TONE[0]: IP-DTG Tone Send Control Bit [00-FF Hex. (default value: FE Hex.)]

Enable/Disable is set by each bit. **Note 1**

Bit 0: DT (Not used) **Note 2**

Bit 1: SPDT

Bit 2: RBT

Bit 3: CWT

Bit 4: BT

Bit 5: ROT

Bit 6: SST

Bit 7: SDT **Note 3**

- 0: Disable
- 1: Enable

Note 1: Data change is applied to the office data immediately.

Note 2: Do not change the default data 0 (Disable) for this bit.

Note 3: To avoid hearing the dial tone (DT) when calling to an external line where parameter 2nd DT=1 with the ASPA/ASPAL/ASPAN command, set this bit to 0 (Disable).

TONE[1]: IP-DTG Tone Send Control Bit [00-FF Hex. (default value: 3F Hex.)]

Enable/Disable is set by each bit. **Note 4**

Bit 0: TRG

Bit 1: SDTT

Bit 2: CWRBT

Bit 3: ICPT

Bit 4: CSDT

Bit 5: TEST

Bit 6: MUSIC **Note 5**

Bit 7: Not used

0: Disable

1: Enable

Note 4: Data change is applied to the office data immediately.

Note 5: Enable Bit 6: MUSIC only when a Music on Hold is sent from IP-DTG. When a Music on Hold is sent from Standard SIP terminals or an external Music on Hold is used, disable this bit.

Nurse Call Display: (Not used. Always set to 0.)

Distinctive Ringing: (Not used. Always set to 0.)

Notice of URL: (Not used. Always set to 0.)

Notice of Connected Number: [0/1 (default value: 0)]

0: Disable

1: Enable

Note: This setting is valid only for the standard SIP terminal which is conformable to RFC3325 and RFC5876. Do not choose 1 (Enable) for other terminals.

DNIS Notification of INVITE: [0/1 (default value: 0)] **Note 6**

Providing only dialed number information in the FROM field of INVITE message for an incoming call.

0: Disable

1: Enable

DNIS and ANI Notification of INVITE: [0/1 (default value: 0)] **Note 6**

Providing both dialed number and caller's number information in the FROM field of INVITE message for an incoming call.

0: Disable

1: Enable

Note 6: Please note the following points:

- Available since FP95-112 V2.
- Parameters **DNIS Notification of INVITE** and **DNIS and ANI Notification of INVITE** are mutually exclusive and cannot be enabled simultaneously.

Multimedia: Multimedia Communication [0/1 (default value: 0)]

0: Disable

1: Enable

Note: Available since FP95-114 V4.

Note: When CDN20 (Multimedia Communication) of the AUACL/AUACN command is enabled, CDN3 (send INVITE with SDP) is disabled.

Note: A change in this parameter is immediately applied.

Hold Detection at Multimedia: [0/1/2 (default value: 0)]

0: Audio
1: Audio and Video
2: Non-Detection

Note: Available since FP95-114 V4.

Note: This parameter is used only when multimedia communication is set to enable.

Note: A change in the parameter is applied when there is call sending/receiving.

Note: For a terminal without video capacity, even if 1 is set, operations will be the same as if 0 is set.

Transport Layer: Transport Layer of SIP Signaling [0/1/2 (default value: 0)]

0: AUTO
1: UDP
2: TCP

Note: Please note the following points:

- Available since FP95-114 V4.
- This setting requires the TCP setting to be enabled. If TCP is not enabled (because system data settings or other reason), TCP for the sending and receiving of SIP messages is not possible.
- This setting does not decide the transport layer for the terminals. What is set is the protocols used by the SIP Handler of the Telephony Server when assisting the communication between the terminals.
- This setting is used only if the transport protocol is not set in the transport parameter of the Contact header in the REGISTER request. If the transport protocol is set in the REGISTER, that protocol is used regardless of the setting of CDN22.
- The default setting uses TCP for sending SIP messages of more than 1300 bytes or answering to TCP request messages (regardless of the size of the answering message).
- If UDP is selected, the SIP Handler sends the request messages using UDP (be aware that long messages may become fragmented). However, the SIP Handler is also able to process messages received with TCP and any message received with TCP is also answered with TCP regardless of this parameter setting.
- If TCP is selected, the SIP Handler uses TCP for sending messages but is able to process received messages with UDP.

- A change in the parameter is applied when there is call sending/receiving.

<When FUNC=User Agent Search Sequence Setting is selected>

Set the sequence which enables the system to search for an appropriate Agent User Class according to the User Agent Information given by the SIP Handler Controlled SIP terminal.

The system confirms whether the User Agent Information contains a character string of User Agent or not in the order corresponding to User Agent Class assigned with this parameter.

Then the first batch of User Agent Class in the search is applied to the SIP Handler Controlled SIP terminal.

Note: A blank space is included in the character strings to be searched.

User Agent Search Sequence

Priority [1-63]

S_UAN: User Agent Class Number [1-63]

UA: User Agent (Display only)
Displays User Agent Information set to each User Agent Class Number.

INFORMATION: Information of SIP Phone (Display only)
Displays information commented on the SIP Handler Controlled SIP terminal set to each Agent Class Number.

4. Data Sheet

- FUNC=User Agent Class Setting

No.	Type Of User Agent (TYPE)	User Agent Class No. [1-63] (UAN)	User Agent (UA)	Information of SIP Phone (INFORMATION)

No.					
User Agent Class No. [1-63] (UAN)					
User Agent (UA)					
1	Register Expires				
2	Multiline Mode				
3	Send INVITE with SDP				
4	Hold Method				
5	DTMF by SIP-INFO				
6	Send signal (*, #) of SIP-INFO				
7	MWI				
8	Name Display				
9	Reject Unacceptable reINVITE				
10	Hold 2nd Call				
11	Call Record Memory Clear				
12	TONE[0]				
13	TONE[1]				
14	Nurse Call Display				
15	Distinctive Ringing				
16	Notice of URL				
17	Notice of Connected Number				

No.						
User Agent Class No. [1-63] (UAN)						
18	DNIS Notification of INVITE					
19	DNIS and ANI Notifica- tion of INVITE					
20	Multimedia					
21	Hold Detection at Multi- media					
22	Transport Layer					

AUAD: Assignment of UCD Delayed Announcement Data

1. General

This command assigns the data related to the Delay Announcement - UCD service feature.

2. Precautions

1. The UCD member station and UCD pilot (controlling station) station should be assigned by the ASHU command.
2. A maximum of eight external announcement machines can be assigned per UCD group.
3. For the designation of sharing the UCD Announcement Information (ASYD, SYS1, Index 70, b6: 0/1 = Common/per UCD group), perform the following:
 - If the system data (ASYD, SYS1, Index 70, b6) is modified after the UCD Announcement Information has already been assigned, first clear all the data assigned by this command (AUAD), then the new data is reassigned.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

TN: Tenant Number

TN parameter should be assigned with respect to the data assigned by the ASHU command.

STN: Station number

STN (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHU command.

DLYT: Delay Timer [0-120]

Enter the delay timer value in seconds with a range of 0-120 seconds.

0-30: two-second increments

32-120: eight-second increments

MSGT: Message Timer [0-30]

Enter the message timer value in seconds within 0-30 seconds.

0-30: two-second increments

However, this value is not effective if the Route data of Announcement Trunk is assigned as follows:
ARTD ANS=1 (CDN 28)

RP: Announcement Output Replay [0/1]

Announcement replay

0=Once

1=Repeat within the time specified by the INT parameter

INT: Replay Interval [0-120]

The INT parameter appears when RP=1.

Enter the replay interval time value in seconds with a range of 0-120 seconds.

0-30: two seconds increments

32-120: eight seconds increments

CNT: Number of Announcement Trunk [1-8]

The number of external trunks to be connected an external announcement machine.

RT: Route Number

Route number of announcement trunk.

TK: Trunk Number

Announcement trunk number.

4. Data Sheet

CONTROLLING STATION		DELAY TIMER (DLYT) 0-120	MESSAGE TIMER (MSGT) 0-120	ANNOUNCEMENT OUTPUT REPLAY (RP) 0/1	REPLAY INTERVAL (INT) 0-120	NUMBER OF ANNOUNCEMENT TRUNK (CNT) 1-8	ANNOUNCEMENT TRUNK	
TENANT NUMBER (TN)	STATION NUMBER (STN)						ROUTE NUMBER (RT)	TRUNK NUMBER (TK)
						1		
						2		
						3		
						4		
						5		
						6		
						7		
						8		

AUADL: Assignment of UCD Delayed Announcement Data for LDM

1. General

This command assigns the data related to the Delay Announcement - UCD service feature for each Node by using Telephone Number. The data is written in the Local Data Memory (LDM).

2. Precautions

1. Assign the Telephone Number (LDM) of the UCD member station by using the ASHUL command.
2. A maximum of eight (8) external announcement machines can be assigned per a UCD group.
3. For the designation of sharing the UCD Announcement Information (ASYDL, SYS1, Index 804, b4: 0/1 = per UCD Group/Common), perform the following:
 - If the system data (ASYDL, SYS1, Index 804, b4) is modified after the UCD Announcement Information has already been assigned, first clear all the data assigned by this command (AUADL), then the new data is reassigned.

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number [Maximum 16 digits]

Enter the TELN (LDM) of the UCD pilot station with respect to the data assigned by the ASHUL command.

Equipment Kind:

Select either DAT/Announcement Machine or VS.

DLYT: Delay Timer [0-120]

Enter the delay timer value in seconds with a range of 0-120 seconds.

0-30: two-second increments

32-120: eight-second increments

MSGT: Message Timer [0-30]

Enter the message timer value in seconds within 0-30 seconds.

0-30: two-second increments

However, this value is not effective if the Route data of Announcement Trunk is assigned as follows:

ARTD ANS=1 (CDN 28)

RP: Announcement Output Replay [0/1]

Announcement replay:

Only Once=Announcement is replayed only once

Replay=Repeat within the time specified by the INT parameter

INT: Replay Interval [0-120]

The INT parameter appears when RP=1.

Enter the replay interval time value in seconds with a range of 0-120 seconds.

0-30: two seconds increments

32-120: eight seconds increments

CNT: Number of Announcement Trunk [1-8]

The number of external trunks connected to an external announcement machine.

RT: Route Number

Enter the Route Number of the Announcement Trunk.

TK: Trunk Number [1-768]

Enter the Announcement trunk Number.

ANP: Announcement Pattern [0-255]

The ANP parameter appears when Equipment Kind = VS.

Specify the source of announcement to be played.

0-254: Wave file 0 to 254

255: External Input Interface

REP: Repeat Pattern [0-255]

The REP parameter appears when Equipment Kind = VS.

Assign repeat pattern of the announcement (0-3).

0: Play it once only

1: Play the wave file specified by the ANP parameter.

2: Play four wave files specified by the ANP parameter.

(Example: 00(wave file specified by ANP)-01-02-03-End)

3: Play four wave files to the last, and then repeat the third and the fourth by rotations.

(Example: 00-01-[02-03] Repeat)

4-255: Not used

4. Data Sheet

CONTROLLING STATION		DELAY TIMER (DLYT) 0-120	Equipment Kind DAT/Announcement Machine/VS	MESSAGE TIMER (MSGT) 0-30	ANNOUNCEMENT OUTPUT REPLAY (RP) Only One/Replay	REPLAY INTERVAL (INT) 0-120	NUMBER OF ANNOUNCEMENT TRUNK (CNT) 1-8
USER GROUP NUMBER (UGN)	TELEPHONE NUMBER (TELN) MAXIMUM 16 DIGITS						
							1
							2
							3
							4
							5
							6
							7
							8

ANNOUNCEMENT TRUNK		ANNOUNCEMENT PATTERN (ANP) 0-255	REPEAT PATTERN (REP) 0-255
ROUTE NUMBER (RT)	TRUNK NUMBER (TK) 1-768		

AUADN: Assignment of UCD Delayed Announcement Data for NDM

1. General

This command assigns the data related to the Delay Announcement - UCD for the FCCS service. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. Assign the Telephone Number (NDM) of the UCD member station by using the ASHUN command.
2. A maximum of eight (8) external announcement machines can be assigned per a UCD group.
3. For the designation of sharing the UCD Announcement Information (ASYDL, SYS1, Index 804, b4: 0/1 = per UCD Group/Common), perform the following:
 - Common in all the UCD groups (b4=1 is assigned) means the UCD Announcement Information is common in each Node.
 - If the system data (ASYDL, SYS1, Index 804, b4) is modified after the UCD Announcement Information has already been assigned, first clear all the data assigned by this command (AUADN), then the new data is reassigned.

3. Data Entry Instructions

UGN: User Group Number**TELN: Telephone Number [Maximum 16 digits]**

Enter the TELN (NDM) of the UCD pilot station with respect to the data assigned by the ASHUN command.

Equipment Kind:

Select either DAT/Announcement Machine or VS.

DLYT: Delay Timer [0-120]

Enter the delay timer value in seconds with a range of 0-120 seconds.

0-30: two-second increments

32-120: eight-second increments

MSGT: Message Timer [0-30]

Enter the message timer value in seconds within 0-30 seconds.

0-30: two-second increments

However, this value is not effective if the Route data of Announcement Trunk is assigned as follows:
ARTDN ANS=1 (CDN 28)

RP: Announcement Output Replay [0/1]

Announcement replay:

Only Once=Announcement is replayed only once

Replay=Repeat within the time specified by the INT parameter

INT: Replay Interval [0-120]

The INT parameter appears when RP=1.

Enter the replay interval time value in seconds with a range of 0-120 seconds.

0-30: two-second increments

32-120: eight-second increments

CNT: Number of Announcement Trunk [1-8]

The number of external trunks connected to an external announcement machine.

LGRT: Logical Route Number

Enter the Logical Route Number of the Announcement Trunk. (The Announcement Trunk should be mounted on the same node where the UCD pilot station is accommodated.)

TK: Trunk Number

Enter the Announcement Trunk Number.

ANP: Announcement Pattern [0-255]

The ANP parameter appears when Equipment Kind = VS.

Specify the source of announcement to be played.

0-254: Wave file 0 to 254

255: External Input Interface

REP: Repeat Pattern [0-255]

The REP parameter appears when Equipment Kind = VS.

Assign repeat pattern of the announcement (0-3).

0: Play it once only

1: Play the wave file specified by the ANP parameter.

2: Play four wave files specified by the ANP parameter.

(Example: 00(wave file specified by ANP)-01-02-03-End)

3: Play four wave files to the last, and then repeat the third and the fourth by rotations.

(Example: 00-01-[02-03] Repeat)

4-255: Not used

4. Data Sheet

CONTROLLING STATION		DELAY TIMER (DLYT) 0-120	Equipment Kind DAT/Announcement Machine/VS	MESSAGE TIMER (MSGT) 0-30	ANNOUNCEMENT OUTPUT REPLAY (RP) Only One/Replay	REPLAY INTERVAL (INT) 0-120	NUMBER OF ANNOUNCEMENT TRUNK (CNT) 1-8
USER GROUP NUMBER (UGN)	TELEPHONE NUMBER (TELN)						
							1
							2
							3
							4
							5
							6
							7
							8

ANNOUNCEMENT TRUNK		ANNOUNCEMENT PATTERN (ANP) 0-255	REPEAT PATTERN (REP) 0-255
LOGICAL ROUTE NUMBER (LGRT)	TRUNK NUMBER (TK)		

AUCD: Assignment of UCD Control Data

1. General

This command assigns the miscellaneous data related to the Uniform Call Distribution (UCD) service feature.

2. Precautions

1. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.
2. The UCD member station and UCD pilot (controlling station) station should be assigned by the ASHU command.
3. This command can be specified using the following UCD related options:
 - (a) The number of calls in UCD queuing.
 - (b) The threshold of the UCD Call Waiting Lamp (that is accommodated on a Desktop terminal) starts to flash.
 - (c) Denial of the MCI call result text of the call terminated to the UCD group.
4. The following data should also be assigned for UCD - Call Waiting lamp flashing:
ASYD command, SYS1, Index 61, b5=1 (Call Waiting Display-UCD in Service)
AKYD command, FKY=47 (UCD Call Waiting Lamp)
5. After the data assignment, the line circuit card that contains the UCD group stations must be initialized (turn the MB key ON/OFF).

3. Data Entry Instructions

TN: Tenant Number

TN parameter should be assigned with respect to the data assigned by the ASHU command.

STN: Station Number

STN parameter should be assigned with respect to the data assigned by the ASHU command.

QTH ACT: UCD Queuing PEG Count Value Setting [0/1]

UCD queuing value is:

0=Invalid (QTH parameter is not assigned)

1=Valid (QTH parameter is assigned)

QTH: UCD Queuing PEG Count Value [0-255]

Enter the maximum number of calls in the UCD queuing. (When the number of incoming call exceeds this value, the caller hears Busy Tone.)

CWT: Threshold Value of Call Waiting [1-255]

Enter the number of calls in the UCD queue. (This value is used for UCD Call Waiting Lamp on Desktop terminal)

MCI: MCI Data Transfer [0/1]

The call record to the UCD group is transferred to MCI.

0=Valid

1=Invalid

4. Data Sheet

[illegible]

AUCDL: Assignment of UCD Control Data for LDM

1. General

This command assigns the miscellaneous data related to the Uniform Call Distribution (UCD) service feature for each Node by using Telephone Number. The data is written in Local Data Memory (LDM).

2. Precautions

1. The UCD member station and UCD pilot (controlling station) station should be assigned by the ASHUL command.
2. This command is used to specify the following UCD related options:
 - (a) The maximum number of calls in UCD queuing.
 - (b) The threshold of the UCD Call Waiting Lamp (that is accommodated on a Desktop Terminal) starts to flash.
 - (c) Denial of the MCI call result text of the call terminated to the UCD group.
3. The following data should also be assigned for UCD - Call Waiting lamp flashing:
ASYD command, SYS1, Index 61, b5=1 (Call Waiting Display-UCD in Service)
AKYD command, FKY=47 (UCD Call Waiting Lamp)
4. After the data assignment, the line circuit card that contains the UCD group stations must be initialized (turn the MB key ON/OFF).

3. Data Entry Instructions

UGN: User Group Number

TELN: Telephone Number [Maximum 16 digits]

TELN (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHUL command.

QTH ACT: UCD Queuing PEG Count Value Setting [0/1]

UCD queuing value is:

0=Invalid (QTH parameter is not assigned)

1=Valid (QTH parameter is assigned)

QTH: UCD Queuing PEG Count Value [0-255]

Enter the maximum number of calls in the UCD queuing. (When the number of incoming call exceeds this value, the caller hears Busy Tone.)

CWT: Threshold Value of Call Waiting [1-255]

Enter the number of calls in the UCD queue. (This value is used for UCD Call Waiting Lamp on Desktop Terminal)

MCI: MCI Data Transfer [0/1]

The call record to the UCD group is transferred to MCI.

0=Valid

1=Invalid

4. Data Sheet

[illegible]

AUCDN: Assignment of UCD Control Data for NDM

1. General

This command assigns the miscellaneous data related to the Uniform Call Distribution (UCD) for the FCCS service. The data assigned on this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The UCD member station and UCD pilot (controlling station) station should be assigned by the ASHUN command.
2. This command can be specified using the following UCD related options:
 - (a) The maximum number of calls in UCD queuing.
 - (b) The threshold of the UCD Call Waiting Lamp (that is accommodated on a Desktop terminal) starts to flash.
 - (c) Denial of the MCI call result text of the call terminated to the UCD group.
3. The following data should also be assigned for UCD - Call Waiting lamp flashing:
ASYD command, SYS1, Index 61, b5=1 (Call Waiting Display-UCD in Service)
AKYD command, FKY=47 (UCD Call Waiting Lamp)
4. After the data assignment, the line circuit card that contains the UCD group stations must be initialized (turn the MB key ON/OFF).

3. Data Entry Instructions

UGN: User Group Number [1-255]

Enter the User Group Number.

TELN: Telephone Number [Maximum 16 digits]

TELN (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHUN command.

QTH ACT: UCD Queuing PEG Count Value Setting [0/1]

UCD queuing value is:

0=Invalid (QTH parameter is not assigned)

1=Valid (QTH parameter is assigned)

QTH: U CD Queuing PEG Count Value [0-255]

Enter the maximum number of calls in the UCD queuing. (When the number of incoming call exceeds this value, the caller hears Busy Tone.)

CWT: Threshold Value of Call Waiting [1-255]

Enter the number of calls in the UCD queue. (This value is used for UCD Call Waiting Lamp on Desktop terminal)

MCI: MCI Data Transfer [0/1]

The call record to the UCD group is transferred to MCI.

0=Valid

1=Invalid

4. Data Sheet

[illegible]

AUGNN: Assignment of UGN Information for NDM

1. General

This command is used to assign/delete UGN (User Group Number) for NPC (Number Pattern Code).

2. Precautions

If data in this command is common for all tenants (ASYDN command, SYS1, Index 801, b2=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number

LGRT: Logical Route Number for The Trunk [1-899]

NPC: Number Pattern Code [Maximum 16 digits]

NPC is the Toll Distinctive Code (TDC), NPA and or NXX. This data may include the Access Code for LCR/LCRS.

UGN: User Group Number [1-255]

Enter the User Group Number

PVNND: Private Number Necessary Digits [2-8] [Note 1](#), [Note 2](#)

Note 1: For Dial Plan to support IP Centrex Functionality [D-166], assign the number of digits for Private Number Code (Access Code + Office Code) to be assigned by the AUPVN command.

Note 2: When 16-digit Dial Plan Support for IP Centrex Functionality is disabled (ASYDN SYS1 Index 818 bit3=1), PVNND can be assigned up to 6 digits.

4. Data Sheet

[illegible]

AUNE: Assignment of Uniform Numbering

1. General

This command assigns the data for an inter-network call termination.

2. Precautions

1. This command is available for both ACIS and CCIS. The call termination from CCIS requiring the office code skip needs this data.

Example: When the network numbering data are as follows, example office data is listed in the table.

Node A 8 - 26 - xxxxx

Node B 8 - 10 - xxxxx

Node A		Node B	
ARTD	RT = dummy, AC = 1	ARTD	RT = dummy, AC = 1
ASPA	ACC = 8, SRV = "LCR: Least Cost Routing", RT = dummy	ASPA	ACC = 8, SRV = "LCR: Least Cost Routing", RT = dummy
AUNE	RT = dummy, NPC = 826, SKIP = 3	AUNE	RT = dummy, NPC = 810, SKIP = 3
AMND	DC = 826, MND = 8	AMND	DC = 810, MND = 8
ARRC	Allow the connection between ICRT (Voice route in the case of CCIS) and OGRT (Dummy route).	ARRC	Allow the connection between ICRT (Voice route in the case of CCIS) and OGRT (Dummy route).

2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYD command, SYS1, Index 93, b4=1), assign TN parameter as data "1" for all tenants.
3. Assign the dummy route number in the RT parameter.
4. The data assigned in the NPC should include its Access Code, and should be different from the NPC assigned by the AFRS command.
5. The PNL parameter (that is assigned in the AADC command) appears when ASYD command is SYS1, Index 42, b4=1.
6. Assign the PNL data if additional digit (DC) is required. A maximum of four digits of DC is set by the AADC command. Enter the PNL with a range of 1 to 127.

3. Data Entry Instructions

TN: Tenant Number

RT: External Route Number [1-255]

Enter the dummy route number assigned in the ASPA command.

NPC: Number Pattern Code [Maximum 12 digits]

Enter the office code of self node including LCR access code.

SKIP: Skip Data Digits [0-12]

Enter the appropriate number of digits omitted.

PNL: Pattern Number Location [0-127]

Assign the PNL data if an additional digit (DC) is required. A maximum of four digits of the DC is set by the AADC command. Enter the PNL with a range of 1 to 127.

4. Data Sheet

[illegible]

AUNEL: Assignment of Uniform Numbering for LDM

1. General

This command assigns the data for an inter-network call termination.

2. Precautions

1. This command is available for both ACIS and CCIS. The call termination from CCIS requiring the Office Code skip needs this data.

Example: When the network numbering data are as follows, example office data is listed in the table.

Node A 8 - 26 - xxxxx

Node B 8 - 10 - xxxxx

NODE A		NODE B	
ARTD	RT = dummy, AC = 1	ARTD	RT = dummy, AC = 1
ASPAL/ASPAN	ACC = 8, SRV = "LCR: Least Cost Routing", RT = dummy	ASPAL/ASPAN	ACC = 8, SRV = "LCR: Least Cost Routing", RT = dummy
AUNEL	RT = dummy, NPC = 826, SKIP = 3	AUNEL	RT = dummy, NPC = 810, SKIP = 3
AMND	DC = 826, MND = 8	AMND	DC = 810, MND = 8
ARRCN	Allow the connection between ICRT (Voice route in the case of CCIS) and OGRT (Dummy route).	ARRCN	Allow the connection between ICRT (Voice route in the case of CCIS) and OGRT (Dummy route).

2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 800, b4=1), assign TN parameter as data "1" for all tenants.
3. Assign the dummy route number in the LGRT parameter.
4. The data assigned in the NPC should include its access code, and should be different from the NPC assigned by the AFRSL command.
5. The PNL parameter (that is assigned in the AADCL command) appears when ASYD command SYS1, Index 42, b4=1.
6. Enter the PNL data if additional digit (DC) is required. A maximum of four digits of the DC is set by the AADCL command. Enter the PNL with a range of 1 to 127.

3. Data Entry Instructions

TN: Tenant Number

LGRT: Logical Route Number [1-899]

Enter the dummy route number assigned in the ASPAL command.

NPC: Number Pattern Code [Maximum 16 digits]

Enter the office code of self node including the LCR access code.

SKIP: Skip Data Digits [0-12]

Enter the appropriate number of digits omitted.

PNL: Pattern Number Location [0-127]

Assign the PNL data if additional digit (DC) is required. A maximum of four digits of DC is set by the AADCL command. Enter the PNL with a range of 1 to 127.

4. Data Sheet

TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT)	NUMBER PATTERN CODE (NPC) MAXIMUM 16 DIGITS	SKIP DATA DIGITS (SKIP) 0 – 12	PATTERN NUMBER LOCATION (PNL) 0 - 127

AUNEN: Assignment of Uniform Numbering for NDM

1. General

This command assigns the data for an inter-network call termination.

2. Precautions

1. This command is available for both ACIS and CCIS. The call termination from CCIS requiring the Office Code skip needs this data.

Example: When the network numbering data are as follows, example office data is listed in the table.

Node A 8 - 26 - xxxxx

Node B 8 - 10 - xxxxx

NODE A		NODE B	
ARTD/ARTDN	RT = dummy, AC = 1	ARTD/ARTDN	RT = dummy, AC = 1
ASPAL/ASPAN	ACC = 8, SRV = "LCR: Least Cost Routing", RT = dummy	ASPAL/ASPAN	ACC = 8, SRV = "LCR: Least Cost Routing", RT = dummy
AUNEN	RT = dummy, NPC = 826, SKIP = 3	AUNEN	RT = dummy, NPC = 810, SKIP = 3
AMND/AMNDN	DC = 826, MND = 8	AMND/AMNDN	DC = 810, MND = 8
ARRCN	Allow the connection between ICRT (Voice route in the case of CCIS) and OGRT (Dummy route).	ARRCN	Allow the connection between ICRT (Voice route in the case of CCIS) and OGRT (Dummy route).

2. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. If data in this command is common for all tenants (ASYDN command, SYS1, Index 800, b4=1), assign TN parameter as data "1" for all tenants.
3. Assign the dummy route number in the LGRT parameter.
4. The data assigned in the NPC should include its access code, and should be different from the NPC assigned by the AFRSN command.
5. The PNL parameter (that is assigned in the AADCN command) appears when ASYD command SYS1, Index 42, b4=1.
6. Enter the PNL data if additional digit (DC) is required. A maximum of four digits of the DC is set by the AADCN command. Enter the PNL with a range of 1 to 999.

3. Data Entry Instructions

TN: Tenant Number

LGRT: Logical Route Number [1-899]

Enter the dummy route number assigned in the ASPAL/ASPAN command.

NPC: Number Pattern Code [Maximum 16 digits]

Enter the office code of self node including the LCR access code.

SKIP: Skip Data Digits [0-12]

Enter the appropriate number of digits omitted.

PNL: Pattern Number Location [0-127]

Assign the PNL data if additional digit (DC) is required. A maximum of four digits of DC is set by the AADCN command. Enter the PNL with a range of 1 to 999.

4. Data Sheet

TENANT NUMBER (TN)	LOGICAL ROUTE NUMBER (LGRT)	NUMBER PATTERN CODE (NPC) MAXIMUM 16 DIGITS	SKIP DATA DIGITS (SKIP) 0 – 12	PATTERN NUMBER LOCATION (PNL) 0 - 127

AUNT: Assignment of Unit Data

1. General

This command assigns the Unit data. It also assigns miscellaneous circuit cards mounted in LPM.

2. Precautions

1. Prior to assigning the number of unit data using this command, the ASYD command should be properly assigned.
2. The applicable data range in the Module Group Number (MG) parameter is designated by the ASYD command, SYS1, Index 0.
3. Since the PFT is a mechanical action circuit, the PFT operates properly without any data assignment. However, if the PFT control by external key is required, the following data assignments are needed:
 - (a) AUNT command, TYPE=2 (PFT)
 - (b) AEKD command
 - (c) ANCD command
4. If any Unit data needs to be deleted, clear all the station/trunk data within the unit using the ASDT/ATRK commands.
5. Be sure to execute system initialization if any data is changed by this command.
6. Using the FLCVTR command assigns the following:
 - MG: 00-07
 - TYPE: 1 (Line/Trunk Unit)
 - Unit: 1 (Installed)

3. Data Entry Instructions

MG: Module Group Number

Enter the MG number of the PIR (or the circuit card) to be accommodated.

TYPE: Unit Type Indication [1-4]

1=Port Interface Rack (PIR)

2=Power Failure Transfer (PFT) Circuit Card

3=Not used

4=Line Test Circuit Card

◆ When TYPE=1 [Port Interface Rack (PIR)] is selected:

UNIT: Data of Unit [1/2]

1=Mounted

2=Not mounted

◆ When TYPE=2 (Power Failure Transfer (PFT) circuit card) is selected:

PKG: Data of Circuit Card [1/2]

1=Mounted

2=Not mounted

◆ When TYPE=4 (Line Test circuit card) is selected:

ON/OFF: Data of Line Test [1/2]

1=ON

2=OFF

4. Data Sheet

(a) Port Interface Rack (PIR) (TYPE=1)

MODULE GROUP NUMBER (MG)	UNIT TYPE INDICATION (TYPE) 1 – 4	DATA OF UNIT 1/2	
		NO.	DATA
	1	0	
		1	
		2	
		3	

(b) Power Failure Transfer circuit card (PFT) (TYPE=2)

MODULE GROUP NUMBER (MG)	UNIT TYPE INDICATION (TYPE) 1 – 4	DATA OF CIRCUIT CARD (PKG) 1/2	
		NO.	DATA
	2	0	
		1	
		2	
		3	

(c) Line Test circuit card (TYPE=4)

MODULE GROUP NUMBER (MG)	UNIT TYPE INDICATION (TYPE) 1 – 4	DATA OF LINE TEST (ON/OFF) 1/2
	4	

AUOG: Assignment of UCD Overflow Group

1. General

This command assigns the data related to the Overflow - UCD service feature.

2. Precautions

1. The UCD member station and the UCD pilot (controlling station) station should be assigned by the ASHU command.
2. Calls terminating to the designated group can overflow (forward) to another UCD group. They overflow from TN-A, STN-A to TN-B, STN-B.
3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8.

3. Data Entry Instructions

Original UCD Group

TN-A: Tenant Number

TN-A parameter should be assigned with respect to the data assigned by the ASHU command.

STN-A: Station number

STN-A (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHU command.

Overflow UCD Group

TN-B: Tenant Number

TN-B parameter should be assigned with respect to the data assigned by the ASHU command.

STN-B: Station number

STN-B (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHU command.

4. Data Sheet

[illegible]

AUOGL: Assignment of UCD Overflow Group for LDM

1. General

This command assigns the data related to the Overflow - UCD service feature for each Node by using Telephone Number. The data is written in Local Data Memory (LDM).

2. Precautions

1. The UCD member station and the UCD pilot (controlling station) station should be assigned by the ASHUL command.
2. Calls terminating to the designated group can overflow (forward) to another UCD group. They overflow from UGN-A, TELN-A to UGN-B, TELN-B.

3. Data Entry Instructions

Original UCD Group

UGN-A: User Group Number

TELN-A: Telephone Number

TELN-A (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHUL command.

Overflow UCD Group

UGN-B: User Group Number

TELN-B: Telephone Number

TELN-B (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHUL command.

4. Data Sheet

[illegible]

AUOGN: Assignment of UCD Overflow Group for NDM

1. General

This command assigns the data related to the Overflow - UCD for the FCCS service. The data assigned by this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. The UCD member station and the UCD pilot (controlling station) station should be assigned by the ASHUN command.
2. Calls terminating to the designated group can overflow (forward) to another UCD group. They overflow from UGN-A, TELN-A to UGN-B, TELN-B.

3. Data Entry Instructions

ORIGINAL UCD GROUP

UGN-A: User Group Number

TELN-A: Telephone Number

TELN-A (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHUN command.

Overflow UCD Group

UGN-B: User Group Number

TELN-B: Telephone Number

TELN-B (UCD pilot station number) parameter should be assigned with respect to the data assigned by the ASHUN command.

4. Data Sheet

[illegible]

AUPDN: Assignment of User Profile Data for NDM

1. General

This command is used to assign the Telephone Number (TELN), Registration Number and Name Display Information toward each user.

2. Precautions

1. This command cannot be used to assign key data. For the details of key data assignment, see AUPKDN command.
2. This command cannot be used while stations are operated by Backup Node because of Primary Node side failure.
3. In this command, List up command (LUPDN) is executed by clicking “List Up” button. **Note 1**

Note 1:

- When “Fusion Point Code of Primary Node” is selected to specify the range, this command lists the information of the terminals having set the entered FPC as the primary node.
- If any communication failure occurs between the MAT connected node and other nodes on requesting to list profile data, the following conditions are applied:
 1. Terminal information cannot be listed for the terminals in the specified range having set the failure node as the primary node.
 2. When the terminals in the specified range set the failure node as the secondary or later node, only the FPC and the LENS/PHIN data of each terminal are listed.

3. Data Entry Instructions

UGN: User Group Number [1-255]

Assign the User Group Number to allocate the User Profile Data

TELN: Telephone Number [maximum 16 digits]

Assign the TELN to allocate the User Profile Data

Setting of Primary Station Data**P FPC: Fusion Point Code of Primary Station Data**

Enter Primary Fusion Point Code. [1-253]

TEC: Telephone Equipment Class

Enter Telephone Equipment Class

- 3: DP/PB **Note 1**
- 7: DP/PB (for Hotel System) **Note 1**
- 12: Dterm
- 18: Virtual Line Appearance (for Dterm Multi-Line)
- 26: VPS
- 28: PS

Note 1: For Administration station (ADM), enter TEC=3. For Guest station (GST) of Hotel System, enter TEC= 7.

KIND: IP KIND/PS KIND **Note 2**

<IP KIND>

- 1: Dterm IP **Note 3**
- 2: Soft Dterm **Note 3**
- 3: INASET **Note 3**
- 4: Analog MC **Note 4**
- 5: Digital MC **Note 3**
- 7: IP-VPS **Note 5**
- 16: MC-MG (COT) **Note 4**
- 23: SIP MultiLine TEL **Note 3**
- 24: SIP Softphone **Note 3**
- 25: SIP-VPS **Note 5**
- 28: MC-MG (7COT) **Note 4**
- 34: 8MC (SIP) **Note 4**

<PS KIND>

- 1: V1 (Not used)
- 2: V2 (Not used)
- 3: Standard PS **Note 6**
- 8: PHS Subline **Note 6**

Note 2: This item appears only when “18” is assigned to TEC.

Note 3: This item appears only when “12” is assigned to TEC.

Note 4: This item appears only when “3” is assigned to TEC.

Note 5: This item appears only when “26” is assigned to TEC.

Note 6: This item appears only when “28” is assigned to TEC.

UG50 Multi-Slot Mode

Place a mark in the checkbox when using UG50 in Multi-slot mode.

- Note:** Please note the following:
- Only displayed if UG50 Multi-mode information registration with AUPDN command is put in service with ASYDN, SYS1, Index 960 Bit 1 = 1.
 - Valid only when IP KIND is set to Dterm IP, Analog MC or 8MC (SIP).
 - Available from FP95-114 V4 Issue 2.0.

3.1. Setting of Primary Station Data

Depending on the setting of TEC (Telephone Equipment Class) and KIND (IP KIND/PS KIND), the parameters for Primary Station Data assignment are different. Refer to the following cases for the data assignment.

- When TEC (Telephone Equipment Class) = 3, 7, or 12
- When TEC (Telephone Equipment Class) = 18
- When TEC (Telephone Equipment Class) = 26
- When TEC (Telephone Equipment Class) = 28, KIND (IP KIND/PS KIND) = 3
- When TEC (Telephone Equipment Class) = 28, KIND (IP KIND/PS KIND) = 8

3.1.1. When TEC (Telephone Equipment Class) = 3, 7, or 12

[Station Data of Primary Station Data]

Get Station Data

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button. For Hotel System, when TEC=3 or 7 is assigned, the system automatically obtains station number from the physical station pool data assigned by TEC=3 in AP-PDN command.

P TN: Tenant Number of Primary Station Data [1-63]

P STN/P PS STN: Station Number/PS Station Number of Primary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))

P LENS/P PHIN: Line Equipment Numbers/Phantom Index of Primary Station Data

P RSC: Route Restriction Class of Primary Station Data [0-15]

Assign the RSC between range of 0-15.

P SFC: Service Feature Restriction Class of Primary Station Data [0-15]

Assign the SFC between range of 0-15.

P ADM/GST: Administration/Guest Station of Primary Station Data [0-1] **Note 1**

0: Administration Station

1: Guest Station

P ROOM CLASS: Room Class of Primary Station Data [0-15] **Note 1**

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to “15 (Guest station).”
Example: 0: Single Room
1: Suite Room

P ANNEX: Room Class of Primary Station Data **Note 1**

- 0: Main Building
- 1: Annex 1
- 2: Annex 2
- 3: Annex 3

P GROUND: Ground/Underground of Primary Station Data [0-1] **Note 1**

- 0: Ground
- 1: Under Ground

P FLOOR: Floor of Primary Station Data [1-127] **Note 1**

Enter from 1st to 127th floor.

MAC Data **Note 2**

LENS->GET MAC Address:

By pressing “LENS->GET MAC Address” button, the corresponding MAC Address will be read out.

MC-ID: ID of MC

MC-CH: Channel Number of MC

FAX Setting Data **Note 3**

Note: Add a check in the checkbox to set FAX Setting Data to ON.

JITSIZ: Jitter-Buffer Size for FAX [10ms-300ms]

PAYTYP1: Payload Type1 for FAX

- 0: No Data
- 1: G711
- 2: G726
- 3: T30

PAYSIZ1: Payload Size1 for FAX [10ms-40ms]

- 0: 10ms
- 1: 20ms
- 2: 30ms
- 3: 40ms

Note: This parameter is displayed when “1:G711/2:G726” is assigned to PAYTYP1.

PAYTYP2: Payload Type2 for FAX

- 0: No Data
- 1: G711
- 2: G726
- 3: T30

PAYSIZ2: Payload Size2 for FAX [10ms-40ms]

- 0: 10ms
- 1: 20ms
- 2: 30ms
- 3: 40ms

Note: This parameter is displayed when “1:G711/2:G726” is assigned to PAYTYP2.

PAYTYP3: Payload Type3 for FAX

- 0: No Data
- 1: G711
- 2: G726
- 3: T30

PAYSIZ3: Payload Size3 for FAX [10ms-40ms]

- 0: 10ms
- 1: 20ms
- 2: 30ms
- 3: 40ms

Note: This parameter is displayed when “1:G711/2:G726” is assigned to PAYTYP3.

PAYTYP4: Payload Type4 for FAX

- 0: No Data
- 1: G711
- 2: G726
- 3: T30

PAYSIZ4: Payload Size4 for FAX [10ms-40ms]

- 0: 10ms
- 1: 20ms
- 2: 30ms
- 3: 40ms

Note: This parameter is displayed when “1:G711/2:G726” is assigned to PAYTYP4.

Note 1: This parameter is displayed when Hotel System is active.

Note 2: This parameter is displayed when KIND=4: Analog MC/5: Digital MC/34: 8MC(SIP) is assigned.

Note 3: This parameter is displayed when KIND=4: Analog MC/34: 8MC(SIP) is assigned.

3.1.2. When TEC (Telephone Equipment Class) = 18

[Station Data of Primary Station Data]

Get Station Data

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button.

P TN: Tenant Number of Primary Station Data [1-63]

P STN/P PS STN: Station Number/PS Station Number of Primary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))

P LENS/P PHIN: Line Equipment Numbers/Phantom Index of Primary Station Data

P RSC: Route Restriction Class of Primary Station Data [0-15]

Assign the RSC between range of 0-15.

P SFC: Service Feature Restriction Class of Primary Station Data [0-15]

Assign the SFC between range of 0-15.

P ADM/GST: Administration/Guest Station of Primary Station Data [0-1] **Note 4**

- 0: Administration Station
- 1: Guest Station

P ROOM CLASS: Room Class of Primary Station Data [0-15] **Note 4**

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to “15 (Guest station).”
Example: 0: Single Room
1: Suite Room

P ANNEX: Room Class of Primary Station Data **Note 4**

- 0: Main Building
- 1: Annex 1
- 2: Annex 2
- 3: Annex 3

P GROUND: Ground/Underground of Primary Station Data [0-1] **Note 4**

- 0: Ground
- 1: Under Ground

P FLOOR: Floor of Primary Station Data [1-127] **Note 4**

Enter from 1st to 127th floor.

Note 4: This parameter is displayed when Hotel System is active.

3.1.3. When TEC (Telephone Equipment Class) = 26**Station Data of Primary Station Data****Get Station Data**

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button. For this data, the system automatically obtains station number from the physical station pool data assigned by TEC=12 in APPDN command.

P TN: Tenant Number of Primary Station Data [1-63]**P STN/P PS STN: Station Number/PS Station Number of Primary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))****P LENS/P PHIN: Line Equipment Numbers/Phantom Index of Primary Station Data****P RSC: Route Restriction Class of Primary Station Data [0-15]**

Assign the RSC between range of 0-15.

P SFC: Service Feature Restriction Class of Primary Station Data [0-15]

Assign the SFC between range of 0-15.

P ADM/GST: Administration/Guest Station of Primary Station Data [0-1] **Note 5**

- 0: Administration Station
- 1: Guest Station

P ROOM CLASS: Room Class of Primary Station Data [0-15] **Note 5**

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to “15 (Guest station).”
Example: 0:Single Room
1:Suite Room

P ANNEX: Room Class of Primary Station Data **Note 5**

- 0: Main Building
- 1: Annex 1
- 2: Annex 2
- 3: Annex 3

P GROUND: Ground/Underground of Primary Station Data [0-1] **Note 5**

- 0: Ground
- 1: Under Ground

P FLOOR: Floor of Primary Station Data [1-127] **Note 5**

Enter from 1st to 127th floor.

VPS NO: Number of VPS [0-255]

VPS CH: Channel Number of VPS [0-255]

Note 5: This parameter is displayed when Hotel System is active.

3.1.4. When TEC (Telephone Equipment Class) = 28, KIND (IP KIND/PS KIND) = 3

[Station Data of Primary Station Data]

Get Station Data:

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button.

P TN: Tenant Number of Primary Station Data [1-63]

P STN/P PS STN: Station Number/PS Station Number of Primary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))

P LENS/P PHIN: Line Equipment Numbers/Phantom Index of Primary Station Data

P RSC: Route Restriction Class of Primary Station Data [0-15]

Assign the RSC between range of 0-15.

P SFC: Service Feature Restriction Class of Primary Station Data [0-15]

Assign the SFC between range of 0-15.

Get APSD Data

By pressing “Get APSD Data” button, the data assigned by APSD command will be read out.

P ADM/GST: Administration/Guest Station of Primary Station Data [0-1] Note 6

0: Administration Station

1: Guest Station

P ROOM CLASS: Room Class of Primary Station Data [0-15] Note 6

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to “15 (Guest station).”
Example: 0=Single Room
1=Suite Room

P ANNEX: Room Class of Primary Station Data Note 6

0: Main Building

1: Annex 1

2: Annex 2

3: Annex 3

P GROUND: Ground/Underground of Primary Station Data [0-1] Note 6

- 0: Ground
- 1: Under Ground

P FLOOR: Floor of Primary Station Data [1-127] Note 6

Enter from 1st to 127th floor.

ICON: ICON Control

- 0: Out of Service
- 1: In Service

ND: Name Display

- 0: Out of Service
- 1: In Service

NRS: Nurse Call Display [0-3]

Not used.

DL: Dual Line

- 0: Out of Service
- 1: In Service

PS-ID: PS-Identify [1-268435455]

Enter the PS-ID for the PS.

IND-PS: Individual PS Number (maximum 5 digits)

Not used.

TYPE: PS Number Type [1-3]

- 1:12 Digits or Less (BCD) (fixed)
- 2:13 Digits or Less (BCD)
- 3:13 Digits or Less (HEX)

PS NO: PS Number

Enter the PS Number (maximum 12 digits, 0-9, *, #).

Confirm Type

- 1: Comparison of CS
- 2: Comparison of PBX
- 3: V2
- 4: Data Set Adapter Used (fixed)

NWN: Network Number

Not used.

ADERA: Additional Area Number

Not used.

CTRN: Country Number

Unique number for each country. **Note 7**

SUB SYS-ID Setting

Note: Add a check in the checkbox to set SUB SYS-ID Setting to ON.

SUB SYS-ID LIST

NO: Number of Sub System-Identify

ID: Sub System-Identify

Note 6: This parameter is displayed when Hotel System is active.

Note 7: When this parameter is left blank, Country Number is not assigned.

3.1.5. When TEC (Telephone Equipment Class) = 28, KIND (IP KIND/PS KIND) = 8**[Station Data of Primary Station Data]****Get Station Data**

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button.

P TN: Tenant Number of Primary Station Data [1-63]**P STN/P PS STN: Station Number/PS Station Number of Primary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))****P LENS/P PHIN: Line Equipment Numbers/Phantom Index of Primary Station Data****Get APSD Data**

By pressing “Get APSD Data” button, the data assigned by APSD command will be read out.

P RSC: Route Restriction Class of Primary Station Data [0-15]

Assign the RSC between range of 0-15.

P SFC: Service Feature Restriction Class of Primary Station Data [0-15]

Assign the SFC between range of 0-15.

P ADM/GST: Administration/Guest Station of Primary Station Data [0-1] Note 8

- 0: Administration Station
- 1: Guest Station

P ROOM CLASS: Room Class of Primary Station Data [0-15] Note 8

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to “15 (Guest station).”
Example: 0:Single Room
1:Suite Room

P ANNEX: Room Class of Primary Station Data Note 8

- 0: Main Building
- 1: Annex 1
- 2: Annex 2
- 3: Annex 3

P GROUND: Ground/Underground of Primary Station Data [0-1] Note 8

- 0: Ground
- 1: Under Ground

P FLOOR: Floor of Primary Station Data [1-127] Note 8

Enter from 1st to 127th floor.

ICON: ICON Control

- 0: Out of Service
- 1: In Service

ND: Name Display

- 0: Out of Service
- 1: In Service

NRS: Nurse Call Display [0-3]

Not used.

IND-PS: Individual PS Number [maximum 5 digits]

Not used.

TYPE: PS Number Type [1-3]

- 1:12 Digits or Less (BCD) (fixed)
- 2:13 Digits or Less (BCD)
- 3:13 Digits or Less (HEX)

PS NO: PS Number

Enter the PS Number (maximum 12 digits, 0-9, *, #).

Confirm Type

- 1: Comparison of CS
- 2: Comparison of PBX
- 3: V2
- 4: Data Set Adapter Used (fixed)

Note 8: This parameter is displayed when Hotel System is active.

3.2. Setting of Secondary Station Data

Note: Add a check in the checkbox to set Setting of Secondary Station Data to ON.

S FPC: Fusion Point Code of Secondary Station Data [1-253]

[Station Data of Secondary Station Data]

Get Station Data

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button.

S TN: Tenant Number of Secondary Station Data [1-63]

S STN/S PS STN: Station Number/PS Station Number of Secondary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))

S LENS/S PHIN: Line Equipment Numbers/Phantom Index of Secondary Station Data

S RSC: Route Restriction Class of Secondary Station Data [0-15]

Assign the RSC between range of 0-15.

S SFC: Service Feature Restriction Class of Secondary Station Data [0-15]

Assign the SFC between range of 0-15.

S ADM/GST: Administration/Guest Station of Secondary Station Data [0-1] Note 1

0: Administration Station

1: Guest Station

S ROOM CLASS: Room Class of Secondary Station Data [0-15] Note 1

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to "15 (Guest station)."
Example: 0=Single Room
1=Suite Room

S ANNEX: Room Class of Secondary Station Data Note 1

0: Main Building

1: Annex 1

2: Annex 2

3: Annex 3

S GROUND: Ground/Underground of Secondary Station Data [0-1] Note 1

0: Ground

1: Under Ground

S FLOOR: Floor of Secondary Station Data [1-127] Note 1

Enter from 1st to 127th floor.

Note 1: This parameter is displayed when Hotel System is active.

3.3. Setting of Tertiary Station Data

Note: Add a check in the checkbox to set Setting of Tertiary Station Data to ON.

T FPC: Fusion Point Code of Tertiary Station Data [1-253]

[Station Data of Tertiary Station Data]

Get Station Data

If physical station pool data has been set up with the APPDN command, you can automatically obtain a station number by clicking “Get Station Data” button.

T TN: Tenant Number of Tertiary Station Data [1-63]

T STN/T PS STN: Station Number/PS Station Number of Tertiary Station Data (maximum 5 digits (for Business System)/6 digits (for Hotel System))

T LENS/T PHIN: Line Equipment Numbers/Phantom Index of Tertiary Station Data

T RSC: Route Restriction Class of Tertiary Station Data [0-15]

Assign the RSC between range of 0-15.

T SFC: Service Feature Restriction Class of Tertiary Station Data [0-15]

Assign the SFC between range of 0-15.

T ADM/GST: Administration/Guest Station of Tertiary Station Data [0-1] **Note 1**

0: Administration Station

1: Guest Station

T ROOM CLASS: Room Class of Tertiary Station Data [0-15] **Note 1**

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)
 - 0-14: Not used
 - 15: Guest station

Note: When using a Digital terminal DP/PB (TEC=7) for guest station, ROOM CLASS is not fixed to “15 (Guest station).”
Example: 0:Single Room
1:Suite Room

T ANNEX: Room Class of Tertiary Station Data **Note 1**

0: Main Building
1: Annex 1
2: Annex 2
3: Annex 3

T GROUND: Ground/Underground of Tertiary Station Data [0-1] **Note 1**

0: Ground
1: Under Ground

T FLOOR: Floor of Tertiary Station Data [1-127] **Note 1**

Enter from 1st to 127th floor.

Note 1: This parameter is displayed when Hotel System is active.

Setting of Name Display

Note: Add a check in the checkbox to set Setting of Name Display to ON.

NAME: Name Display Information

Enter the corresponding user name to the station number (maximum 16 characters).

Key Data Information **Note 2**

Note: Add a check in the checkbox to set Setting of Key Data to ON.

[Setting of Key Data] **Note 3**

Key Template Name List [1-254]

Select the Key Template Name assigned by AKTDN command in this list.

Customized Data

Not Exist

Exist

Customizing of Key Data

AUPKDN command is executed.

Note 2: This parameter is displayed only when TEC=12 is assigned. The template setting can be changed when Key Template Name List corresponds to the data read out.

Note 3: If any system data is not assigned by AKTDN command, this parameter is fixed to OFF.

Setting of Master Extension Note 4

Note: Add a check in the checkbox to set Setting of Master Extension to ON.

MST UGN: Master User Group Number [1-255]

Enter the UGN of the Master Extension for the Virtual Line.

MST TELN: Master Telephone Number

Enter the Telephone Number of Master Extension for the Virtual Line (maximum 16 digits).

Note 4: This parameter is displayed only when TEC=18 is assigned.

Virtual Extension List

VUGN: Virtual User Group Number (1-255)

VTELN: Virtual Telephone Number (maximum 16 digits)

4. Data Sheet

- When Telephone Equipment Class (TEC) = 3/7/12/26

[illegible]

- When Telephone Equipment Class (TEC) = 18

[illegible]

- When Telephone Equipment Class (TEC) = 28

[illegible]

[illegible]

AUPKDN: Assignment of User Profile Key Data for NDM

1. General

This command is used to read out, assign, or list up the key data for user profile data.

Note: This command is available since FP95-112 V2.

2. Precautions

1. User profile key data can be changed only when TEC=12 (Desktop terminal) is assigned to the physical station number allocated to UGN and TELN read out by this command.
2. When the default value of UGN is assigned by ADVF command, The default value is displayed to all UGNs in this command. When the default value is not assigned, displayed as blank.

3. Data Entry Instructions

User Group Number (UGN)

Assign the User Group Number to allocate the User Profile Data (1-255). **Note 1**

Telephone Number (TELN)

Assign the TELN to allocate the User Profile Data (maximum 16 digits). **Note 1**

Note 1: When UGN and TELN are assigned by AUPDN, if you start this command from AUPDN command, this parameter is invalid. However, if this command is started from PCPro, you can edit its parameter.

Use Key Template

Note: Add a check in the checkbox to set Use Key Template to ON. If any Key Template Names are not assigned in AKTDN command, Use Key Template check box is fixed to OFF.

Key Template Name List

The Key Template Name assigned by AKTDN command is read out. To reflect the selected data on the Key Template Name List to Base Information/Function Key Data/Dedicated Function Key, press “APPLY”.

3.1. Base Information

Customizing of Base Information

Note: Add a check in the checkbox to set Customizing of Base Information to ON.

LKP: Line Key Pattern [1-3]

Assign the Line Key Pattern of Multi-Function Terminal.

- 1= 16 Lines/Function Keys + DSS Keys
- 2= 24 Lines/Function Keys + DSS Keys
- 3= ALL Lines/Function Keys

SKP: Soft Key Pattern [0-15]

Assign the Soft Key Pattern.

PG: Page Scroll

Scroll key (>>>) on the LCD is not displayed when a check is added in checkbox.

PRI: Priority of Answering Call

- 0= Line Selection
- 1= Dial Intercom Line (Ringing Station) > Line Selection
- 2= Automatic Intercom Line (Ringing Station) > Line Selection
- 3= Manual Intercom Line (Signaling Station) > Line Selection
- 4= Automatic Intercom Line (Ringing Station) > Manual Intercom Line (Signaling Station) > Line Selection

MWD: Message Waiting Data Display Selection

- 0= MW data display on the top line
- 1= MW data display on the bottom line

Line Preference

Assign information for items shown below.

- Speaker button (SPK): Line preference of the speaker button.
 - 0= Prime Line Preference (fixed)
- Answer button (ANS): Assign the line preference of the answer button.
 - 0= Incoming Line Preference (Button Location Ascending Order)
 - 1= Incoming Line Preference (Button Location Ascending Order)
 - 2= Ringing Line Preference (CO Incoming Call has precedence)
- Originating button (ORG): Assign the line preference of the originating button.
 - 0= Idle Line Preference (Button Location Ascending Order)
 - 1= Idle Line Preference (Button Location Ascending Order)
 - 2= Prime Line, Idle Line Preference (Button Location Ascending Order)

3.2. Function Key Data

Customizing of Function Key Data

Note: Add a check in the checkbox to set Customizing of Function Key Data to ON.

[Function Key Data]

KYN: Key Number [1-40]

Key number to be modified.

C: Customize **Note 1**

-: (Not Customized)

x: (Not Customized)

KYI: Service Index [0-4] **Note 2**

0= -

1= Function Key

2= Multi-line

3= Intercom

4= Multiple My Line

FKY: Function Key [1-320] **Note 3**

This parameter appears when “Function Key” is chosen for the Service Index parameter.

Service Name

The feature name assigned to FKY.

LKD: Line Kind [0-1] **Note 4**

0= Sub Line

1= My Line

UGN: User Group Number [1-255] **Note 5**

TELN: Telephone Number [maximum 16 digits] **Note 5**

TN: Tenant Number (Only displayed)

STN: Station Number (Only displayed)

FPC: Fusion Point Code (Only displayed)

POP1: Designate as Prime Line [0-1] **Note 4**

0= Out of Service

1= In Service

POP2: Restrict OG (OFF-HOOK suppression) [0-1] **Note 6**

0= Allowed
1= Restricted

RG: Ringing Information [0-7] Note 4

0= INVALID
1= DAY Only
2= NIGHT Only
4= VALID (DELAY TIME is 30 sec)
5= VALID (DELAY TIME is 20 sec)
6= VALID (DELAY TIME is 10 sec)
7= VALID

ICM: Kind of Intercom [0-2] Note 7

0= Automatic
1= Manual
2= Dial

G-ID: Group ID Number [1-50] Note 8

P FPC: Fusion Point Code of Primary Station Data (Only displayed)

P LENS/P PHIN: Line Equipment Numbers/Phantom Index of Primary Station Data (Only displayed)

S FPC: Fusion Point Code of Secondary Station Data (Only displayed)

S LENS/P PHIN: Line Equipment Numbers/Phantom Index of Secondary Station Data (Only displayed)

T FPC: Fusion Point Code of Tertiary Station Data (Only displayed)

T LENS/P PHIN: Line Equipment Numbers/Phantom Index of Tertiary Station Data (Only displayed)

Note 1: Specify “-” to set the previous state of customizing.

Note 2:

- When Telephone Number (TELN) of Virtual Line is assigned to the Multi-Line, be sure to assign the parameter “MST TELN” of “Setting of Master Extension” with the AUPDN command.
- When you press “SET”, the LENS of multiple My Line is automatically selected from the virtual station pool data of TEC=18 assigned by APPDN command.

Note 3: This parameter is available when KYI=1 (Function Key) is assigned.

Note 4: This parameter is available when KYI=2 (Multi-line) is assigned.

Note 5: This parameter is available when KYI=2 (Multi-line) and LKD=0 (Sub Line) are assigned.

Note 6: This parameter is available when KYI=2 (Multi-line) and POP1=1 (In Service) are assigned.

Note 7: This parameter is available when KYI=3 (Intercom) is assigned.

Note 8: This parameter is available when KYI=3 (Intercom) and ICM=2 (Dial) is assigned.

Customizing of Dedicated Function Key

Note: Add a check in the checkbox to set Customizing of Dedicated Function Key to ON.

[Dedicated Function Key]

KYN2: Key Number 2 [1-16]

Key number to be modified.

C: Customize **Note 9**

-: (Not Customized)

x: (Customized)

KYI2: Service Index 2 [0-1]

0= -

1= Function Key

FKY: Function Key [1-320]

This parameter appears by choosing “Function Key” for the Service Index parameter.

Service Name

The feature name assigned to FKY.

Note 9: Specify “-” to set the previous state of customizing.

4. Data Sheet

- For Key Data Setting (Base Information)

[illegible]

- For Key Data Setting (Function Key Data)

[illegible]

- For Key Data Setting (Dedicated Function Key)

[illegible]

AUPVN: Assignment of UGN Private Number code data for NDM

1. General

This command is used to assign/delete the Private Number Code for UGN (User Group Number).

2. Precautions

None

3. Data Entry Instructions

UGN: User Group Number [1-255]

Enter the User Group Number.

PRVDC: Private Number Code [Maximum 8 digits] **Note 1, **Note 2****

Enter the Private Number Code.

Note 1: For Dial Plan to support IP Centrex Functionality [D-166], assign Private Number Code (Access Code + Office Code).

Note 2: When 16-digit Dial Plan Support for IP Centrex Functionality is disabled (ASYDN SYS1 Index 818 bit3=1), PRVDC can be assigned up to 6 digits.

4. Data Sheet

[illegible]

AVIPS: Assignment of VoIP-PKG detailed Data with Software

1. General

This command is used to assign/delete the detailed data to the IPTRK card such as Jitter Buffer, Payload Type/Size, FAX mode by the software. The data can be assigned on a circuit basis by specifying the LENS. The detailed data is categorized in the following two types:

Voice Data (for FCCS/CCIS)
Signal Data (for H.323 only) (Not used)

2. Precautions

1. AVIPS and AGIP commands cannot be used simultaneously.
2. IPTRK related data specified by the LENS must be assigned by the AGIP command in advance.
3. The assignment on this command has priority over the switch setting on the IPTRK card.
4. FCCS Networking via IP (by IPTRK) is available only for a migrated system from IPX and SV7000.

3. Data Entry Instructions

LENS: Line Equipment Numbers

Enter the LENS of IPTRK (PA-16IPTC) card.

When the GET button is clicked after specifying the LENS, registered information by the AGIP command is indicated. If there is no applying data, perform the assignment by the AGIP command first.

KIND: Kind of Selection

The kind, IPTRK (FCCS) or IPTRK (CCIS), assigned by the AGIP command is displayed. (Display only. It cannot be modified here.)

◆ Voice Data (for FCCS/CCIS):

JIT_ACT: Type of Jitter Buffer Action

0=Conforms to switch setting on the IPTRK

1=Static Jitter Buffer Action

2=Dynamic Jitter Buffer Action

PAY_TYP: Payload Type Selection Pattern [0-4]

Select the priority order of Payload Pattern (high → low).

0=Conforms to switch setting on the IPTRK

1=Standard Setting (G.729a → G.723.1 (6.3K) → G.723.1 (5.3K) → G.711)

2=Voice Quality Precedence Mode (G.711 → G.729a → G.723.1 (6.3K) → G.723.1 (5.3K))

3=Band Precedence Mode 1 (G.723.1 (5.3K) → G.723.1 (6.3K) → G.729a → G.711)

4=Band Precedence Mode 2 (G.723.1 (6.3K) → G.723.1 (5.3K) → G.729a → G.711)

Note: When data “15 (Not used)” is assigned in parameters PAY_SIZ_711, PAY_SIZ_729a, or PAY_SIZ_723.1, the payload size is excluded from the selected priority order in this parameter.

PAY_SIZ_711: Payload Size for G.711 [0-15]

Assign the transmitting cycle of a voice packet for G.711.

0=Conforms to switch setting on the IPTRK

1=10 milliseconds

2=20 milliseconds

3=30 milliseconds

4=40 milliseconds

5-15=Not used

PAY_SIZ_729a: Payload Size for G.729a [0-15]

Assign the transmitting cycle of a voice packet for G.729a.

0=Conforms to switch setting on the IPTRK

1=10 milliseconds

2=20 milliseconds

3=30 milliseconds

4=40 milliseconds

5-15=Not used

PAY_SIZ_723.1: Payload Size for G.723.1 (5.3k/6.3k) [0-15]

Assign the transmitting cycle of a voice packet for G.723.1 (5.3 k/6.3 k).

0=Conforms to switch setting on the IPTRK

1=10 milliseconds

2=20 milliseconds

3=30 milliseconds

4=40 milliseconds

5-15=Not used

FAX_DET: Fax Error Detection Timer [0-7]

0=Conforms to switch setting on the IPTRK (fixed)

1=Voice/FAX Automatic Distinction

2=Fixed to Voice Mode

3=FAX Detection Available Timer after Starting Speech → one minute

4=FAX Detection Available Timer after Starting Speech → two minutes

5=FAX Detection Available Timer after Starting Speech → three minutes

6=FAX Detection Available Timer after Starting Speech → four minutes

7=FAX Detection Available Timer after Starting Speech → five minutes

Note: 1-7 is not used.

FAX_ECM: Fax ECM Mode [0-2]

0=Conforms to switch setting on the IPTRK

1=ECM ON (Not used)

2=ECM OFF

FAX_TYPE: Fax Mode Control Precedence [0-2]

0=T.30 (for CCIS over IP/FCCS over IP only)

1=T.38 (UDP) (for H.323 only) (Not used)

2=T.38 (TCP) (for H.323 only) (Not used)

FAX_RATE: Fax Transmission Rate [0-5]

0=14400 bps (standard setting)

1=2400 bps

2=4800 bps

3=7200 bps

4=9600 bps

5=12000 bps

RTCP_PTN: RTCP Pattern [0/1]

0=Fixed rate (fixed)

1=random

RTCP_CYC: RTCP Cycle [0-120]

0=five seconds (fixed)

1-120=Not used

4. Data Sheet

a.) Voice Data (for FCCS/CCIS)

LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC
LENS			KIND	JIT_ACT	PAY_TYP	PAY_SIZ		
MG	U	G						
PAY_SIZ_711	PAY_SIZ_729a	PAY_SIZ_723.1	FAX_DET	FAX_ECM	FAX_TYP	FAX_RATE	RTCP_PTN	RTCP_CYC

AVPS : Assignment of VPS Station Connection Data

1. General

This command has the function to assign/delete the station numbers connected to Voice Prompt System (VPS) station.

2. Precautions

Prior to the data setting by this command, be sure to assign the Service Feature Restriction Class of SFI=118 (Voice Prompt System) for “1 (restriction cancel)” by using ASFC command.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six digits]

Enter the station number of each telephone equipment connected to the VPS station.

VPS STN:VPS station number [Maximum six digits]

Enter the station number of the VPS Station (TEC=26) assigned by the ASDT command.

4. Data Sheet

[illegible]

AVTC: Assignment of Virtual TIE Line Call Data

1. General

This command assigns Virtual TIE Line Numbers used in Virtual TIE Line Service.

2. Precautions

1. This data is assigned at the terminating office.
2. A Virtual TIE Line Number is a station number converted, as a number for Virtual TIE Line Service, from one of the subscriber numbers assigned on the ISDN line.

3. Data Entry Instructions

TN: Tenant Number

STN: Idle station number [Maximum six digits (0-9, *, #)]

Assign the idle station number used for Virtual Tie Line Call.

AVTL: Assignment of Virtual TIE Line Data

1. General

This command assigns a schedule for Virtual TIE Line implementation period in Virtual TIE Line Service.

2. Precautions

1. At the time of data setting, assign incoming/outgoing call data synchronously.
2. The maximum input value for Route Number should be the value assigned by ASYD.

After entering the Route Number, check to see if the corresponding Route Data is assigned. If not assigned, ERROR Number (ERR=0019) is displayed.

Of the Route Class Data, the B-Channel Route is valid only when LSG=12, and the D-Channel Route is valid only when LSG=13.

3. The Time Range cannot be designated when the end time is earlier than the start time.

Example:

00:10 - 20:00	From 0:10 to 19:59
05:20 - 05:30	From 5:20 to 5:29
10:10 - 09:10	Cannot be designated
10:50 - 10:10	Cannot be designated

3. Data Entry Instructions

TL/SPC: Kind of TIE Line [T/S]

T = Time Link

S = Semi Permanent Connection

MONTH [01-12]

DAY [01-31]

PTN: Pattern Number [0-15]

IC/OG: Incoming/Outgoing [I/O]

I = Incoming

O = Outgoing

RT: Outside Route Number

TK: Trunk Number

D-LENS: LENS of Dch

CH: Bch Number [6/12/18/24]

CALLING: Calling Number [Maximum 24 digits]

KEYPAD: Key Pad Information [0/1]

1=Out of service

2=In service

CALLED: Called Number [Maximum 24 digits]

SUB: Kind of Sub Address [0/1]

1=Not assigned

2=Assigned

SUB NO: Sub Address [Maximum 12 digits]

START TIME

SH (START HOUR): SM (START MINUTE)

END TIME

EH (END HOUR): EM (END MINUTE)

4. Data Sheet

[illegible]

[illegible]

[illegible]

AVTM: Assignment of Virtual TIE Line Manual

1. General

This command immediately activates Virtual TIE Line.

2. Precautions

This command is used in the following conditions.

- When a failure occurs in a Virtual TIE Line, causing a link release.
- When Virtual TIE Line is needed immediately.

3. Data Entry Instructions

Enter a “Y” for Yes, or a “N” for No.

Y = Activate

N = Not activate

RKTSN: Reset of Key Template Using Station for NDM

1. General

This command is used to read out or list up the key template data information. Also, the key data can be reflected to the terminal by executing terminal reset request.

Note: This command is available since FP95-113 V3.

2. Precautions

1. This command can be executed by AKTDN command.
2. In the List of Used TELN, up to 5000 stations information can be listed up at a time. To display the next station information, press NEXT GET button.
3. When any key template names are not assigned by AKTDN command, this command is not available.

3. Precautions

Key Template Name

Select the Key Template Name assigned by AKTDN command in this list.

Note: When this command is executed by AKTDN command, the Key Template Name selected by the Key Template Name List of AKTDN command is displayed. Therefore, this parameter cannot be changed.

List of Used TELN

UGN: User Group Number

The User Group Number using the selected key template can be read out by pressing GET button. To reflect the key template data information by requesting the terminal reset, add a check in the checkbox.

TELN: Telephone Number [maximum 16 digits]

The Telephone Number using the selected key template can be read out by pressing GET button.

RESULT

The result is displayed by pressing RESET button.



CHAPTER 3

HOTEL SYSTEM COMMAND DESCRIPTIONS AND DATA SHEETS

This chapter explains the specific commands for the Hotel System of Telephony Server. A data sheet is provided for each command. The commands are listed in alphanumeric order.

If you know a command name, and you want quick access to the command's description, you can refer to the Hotel Command List in Alphanumeric Order at the beginning of this manual to find the page on which the command is described.

The data sheet for each command follows the command description.

AACL: Assignment of Administration Station Class

1. General

This command changes the data assigned to an administration station: Telephone Equipment Class (TEC), Service Feature Class (SFC), Route Restriction Class (RSC), ROOM CLASS and Floor Service Data.

2. Precautions

1. This command is used for the Hotel Application only.
2. Only Telephone Equipment Classes (TECs) 1-4, 9, 12-15, 18, and 23 may be assigned via this command.
3. Floor Service Data is displayed only in the case of the ASYD command, SYS1 Index 165, b7 = 1 (Floor Service is provided).
4. When you have changed the station class, update the data sheet for the AAST command.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six Digits]

Enter the station number. The number of STN digits is designated by the ASYD command, SYS1, Index 16.

LENS: Line Equipment Numbers

This parameter is displayed only.

TEC: Telephone Equipment Class [1-31]

1=DP (10 pps)

2=PB

3=DP/PB

4=DP (20 pps)

5-8=Not used

9=House Phone

10-11=Not used

12=Dterm

13=Data Terminal via Dterm

14=Hot Line

15=CAS Line

16=Data Terminal via Data Module

17=Not used

18=Virtual Line Appearance (for Dterm Multi-Line)

19-22=Not used

23=ISDN Terminal

24-26=Not Used

27=Eight Conference Equipment

28-31=Not Used

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC/ASCR/ADNR command. Since RSC=0 is preserved for ATTCON, a station can use range from 1 to 15.

SFC: Service Feature Restriction Class [0-15]

Enter the SFC defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC range from 1 to 15.

ROOM CLASS: Room Class [0-15]

0=General Administration (Ordinary Telephone, Dterm)

1-5=Not used

6=Guest Service Telephone (Dterm and External Equipment)

7-15=Not used

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]

Note: When you have changed the station class, update the data sheet for the AAST command.

AANP: Assignment of Administration Numbering Plan Data

1. General

This command assigns the minimum number of digits needed to determine the service that is required for the first digit received (pre-translation).

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6=0), use this command for the Administration Numbering plan. For the Guest numbering plan, use the AGNP command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated.
Administration station required of the guest room call must be allocated in TN1.

3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the Tenant Number this command affects.
4. If data of this command is common for all tenants (ASYD command, SYS1, Index 92, b2=1), assign TN parameter as data “1” for all tenants.
5. When changing any of the numbering plan data, the old data must be deleted before new data is assigned.
6. When the system has stations of mixed-digit numbering (two-digit STN, three-digit STN, etc.) with the same first digit, the Busy Lamp Field (BLF) display on Desk Consoles can only show the status of stations where the Number of Necessary Digits (NND) value is specified with the AANP command.

3. Data Entry Instructions

TN: Tenant Number

1st DC:1st Digit Code [0-9, *, #]

The first digit of station number, service Access Code and/or trunk Access Code, etc.

CI: Connection Status Index

The status of the “1st DC” dialed.

N: Normal (Idle)

H: Hooking

B: Busy

NND: Number of Necessary Digits [Maximum six Digits]

The primarily analyzed digits, prior to the AASP command. To assign different number of digits for this, assign minimum number of digits in this parameter.

BLF: Busy Lamp Field [0/1]

Whether the station busy status is monitored by the system or not. In Hotel system, assign “0” for this parameter.

0/1=Out of service/In service

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT (1ST DC)	CONNECTION STATUS INDEX (CI)	NUMBER OF NECESSARY DIGITS (NND) MAXIMUM 6 DIGITS	BUSY LAMP FIELD (BLF) 0/1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0

AASN: Assignment of Alternated Administration Station Number

1. General

This command changes a currently assigned administration station number.

2. Precautions

1. This command is used for the Hotel Application only.
2. Input a number which is not currently assigned. If a station number currently being used is to be assigned as a new number, delete the station first.
3. When the “PKG CHECK” message is displayed during assignment, confirm the LENS location of the circuit card (PA-16LC, etc.) accommodating the station, then press the ENTRY key.
4. When you have changed the station number, update the data sheet for the AAST command.

3. Data Entry Instructions

TN: Tenant Number

OLD STN: Old station number

Enter the current station number to be changed.

NEW STN: New station number

Enter the new station number according to the numbering plan. Update the data sheet for the AAST command.

AASP: Assignment of Administration Special Access Code

1. General

This command determines the kind of service to be executed or the route to be used when a Special Access code or trunk Access code has been dialed for the administration station.

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), use this command for the Administration Special Access code. For the Guest Special Access code, use the AGSP command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated.

Note: The administration station required by the guest room call must be allocated in TN1.

3. If the numbering plan for Administration and Guest is common (the ASYD command, SYS1, Index 160, b6=1), this command may be used to assign the Guest Special Access code as well.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the Tenant Number this command affects.

If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b1 = 1), assign TN parameter as data "1" for all tenants.

5. The Access Code for CF-Busy Line and CF-Don't answer service should be assigned by the ASYD command, SYS1, Index 5, b0 = 0 (Same) or 1 (Separate).
6. The Access Code for Call Back and OG Trunk Queuing service should be assigned by the ASYD command, SYS2, Index 4, b0 = 0 (Separate) or 1 (Same).
7. To dial a different number of station number digits, the following programming is required.

Note: For the station number (ex. 200, 20000),
AANP 1st.: 2 CI: N & H NND: 3
AASP ACC: 200* CI: N & H SRV: SSC SID: 36 STATE: 63 (Dummy STA)

8. The following shows the rules of NND/NND1 data for Speed Calling-System and Call Park Remote Retrieval.

Service Feature	SRV	SID	NND	NND1
Speed Calling - System	SSC	15	NND is the number of digits of the Access Code (ACC)	NND1 is the number of digits abbreviated digits code (ADC)
Call Park Remote Retrieval Code	SSC	63	NND is the number of digits of the Access Code (ACC)	—

9. For the following service features, the maximum number of digits is to be assigned in the parameter NND.

SERVICE FEATURE	SRV	SID	MAXIMUM NND
Account Code Dial	SSC	41	15
Authorization Code/Forced Account Code	SSC	42	15
Attendant Manual Override	SSC	60	5

10. The variable parameter appears on the MAT depending on the data in the parameter SRV.

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six Digits (0-9, *, #)]

CI: Connection Status Index

N: Normal

H: Hooking

B: Busy

SRV: Kind of Service

SSC=Service code

SSCA=Service code appendix

OGC=Outgoing call

OGCA=Outgoing call with route advance

LCR=Least cost routing

LCRS=Register sender LCR

UNIF=Office termination

ANNC=Announcement service

ANNCM=Announcement service-multiple announcement

PAGA=Paging answer

PAGC=Paging cancel

◆ When SRV=SSC (Service code), except SID36, 56, and 57 is assigned:

SID: Service Index [1-63]

SID	SERVICE NAME	SID	SERVICE NAME
1	Call Hold	29	Call Forwarding I'm here; Cancel
2	Dial Access to Attendant (Operator Call)	30-34	-
3	Call Back; Entry/ Camp on By Station	35	Call Pickup - Direct
4	Executive Right of Way	36	Hotel Service (See page 2077)
5	Call Waiting - Originating	37	Priority Call 1
6	Call Back; Cancel	38	Priority Call 2
7	Call Pickup - Group	39	Priority Call 3
8	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Entry Note 1	40	Priority Paging
9	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Cancel Note 1	41	Account Code Dial
10	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Entry Note 1	42	Authorization Code/Forced Account Code/Pad Lock; Set
11	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Cancel Note 1	43	Flash Signal Sending to Main office across CAS line
12	Call Forwarding - Don't Answer/Split Call Forward- ing - Don't Answer (for trunk); Entry Note 1	44	Last Number Call
13	Call Forwarding - Don't Answer/Split Call Forward- ing - Don't Answer (for trunk); Cancel Note 1	45	Station Telephone Test
14	Speed Calling - Station; Entry	46	Faulty Trunk Report
15	Speed Calling - System; Access	47	-
16	Trunk Answer from Any Station (TAS)	48	Timed Reminder/Automatic Wake-up; Entry
17	Individual trunk access	49	Timed Reminder/Automatic Wake-up; Cancel
18	-	50-55	-
19	Out Going Trunk Queuing; Entry	56	Floor Service (See page 2079)
20	Out Going Trunk Queuing; Cancel	57	Split Access (See page 2079)
21	Speed Calling - Station, Group; Access	58-59	-
22-27	-	60	Attendant Manual Override
28	Call Forwarding I'm here; Set	62	Call Park; Local Retrieve
		63	Call Park; Remote Retrieve

Note 1: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this Access Code is used for Call Forwarding service for Trunk calls. The access codes for Call Forwarding service for Station calls are specified by SRV=3 (SSCA), SIDA 86-89.

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	Number of digits for NND
15 (Speed Calling-System; Access)	Access Code (1-24)
41 (Account Code Dial)	Access Code + Account Code (1-15)
42 (Authorization Code/Forced Account Code/Pad Lock)	Access Code + Auth. Code (1-15)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit For Speed Calling [1-24]

NND1 appears when SID=15. The number of ADC (Abbreviation Digit Code) digits should be assigned in NND1.

- ◆ When SRV=SSC (Service code), SID36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

1=To be cleaned without ID code
 2=Cleaning Completed without ID code
 3=Ready for Occupancy without ID code
 4=Use Not Allowed without ID code
 5-8=-
 9=Maid Dial Answer Back without ID code-1
 10=Maid Dial Answer Back without ID code-2
 11=Maid Dial Answer Back without ID code-3
 12=Maid Dial Answer Back without ID code-4
 13=Maid Dial Answer Back without ID code-5
 14=Maid Dial Answer Back without ID code-6
 15=Maid Dial Answer Back without ID code-7
 16=-
 17=To be cleaned with ID code
 18=Cleaning Completed with ID code
 19=Ready for Occupancy with ID code
 20=Use Not Allowed with ID code
 21-24=-
 25=Maid Dial Answer Back with ID code-1
 26=Maid Dial Answer Back with ID code-2
 27=Maid Dial Answer Back with ID code-3
 28=Maid Dial Answer Back with ID code-4
 29=Maid Dial Answer Back with ID code-5
 30=Maid Dial Answer Back with ID code-6
 31=Maid Dial Answer Back with ID code-7

32=-
33=Automatic Wake Up Setting, Cancel; Same Special code
34-37=-
38=Automatic Wake-Up-Hotel Attendant Assistance Stop
39=Automatic Wake-Up-Hotel Attendant Assistance Stop Cancel
40=Alert Service Start (Hotel ATT)
41=Alert Service Stop (Hotel ATT)
42=Guest Service Telephone Screen Initialized
43=Guest Service Telephone Guest Room Information Retrieval
44=Direct Data Entry-Station (via guest station)
45=Alert Service Start (Special Administration station)
46=Alert Service Stop (Special Administration station)
47=-
48=2nd Wake-Up Call (Automatic) Set
49=2nd Wake-Up Call (Semi-Automatic) Set
50=2nd Wake-Up Call Cancel
51=Same Special Code Time Zone Connection Change
52=Same Special Code Time Zone Connection Change
53=Same Special Code Time Zone Connection Change
54=Same Special Code Time Zone Connection Change
55=Same Special Code Time Zone Connection Change
56-62=-
63=Dummy Number
64-69=-
70=Search the Guest Room Information Code

Note: STATE=1-15 are used at the time of Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.
STATE=17-31 are used at the time of Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

- ◆ When SRV=SSC (Service code), SID56 (Floor Service) is assigned:

SID: Service Index [1-63]

SID=56

NO1: Kind Of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSC (Service code), SID57 (Split Access) is assigned:

SID: Service Index [1-63]

SID=57

NO2: Kind Of Assignment Number [0-63]

This parameter specifies the number (0-63) of the Access Code being assigned for mutual access. This parameter serves as a counter for the access codes being assigned.

Note: This parameter is used when assigning the details of the service by the ASPS command.

KIND: Kind Of Function [0-3]

This parameter specifies the Split Access Parameter Classification. The data to be assigned here depends on how the guest and administration stations are differentiated.

The guest and administration stations may be assigned to separate TNs, RSCs, and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

0=Administration/Guest (Assign this if the Access Code is to be shared between Guest and Administration with no correspondence to TN, RSC or SFC.)

1=TN (Assign this if the Access Code is to be shared among specified TNs)

2=RSC (Assign this if the Access Code is to be shared among specified RSCs)

3=SFC (Assign this if the Access Code is to be shared among specified SFCs)

- ◆ When SRV=SSCA (Service code appendix), except SIDA=56 is assigned:

SIDA: Service Index A [1-255]

See Table "SIDA (AASP)".

NND: Necessary Digit [1-6]

NND appears when SIDA=97 (Call Hold Conference).

The number of digits for an Access Code should be assigned in NND.

- ◆ When SRV=SSCA (Service code appendix), SIDA=56 (Guest/Administration Service) is assigned:

SIDA: Service Index A [1-255]

SIDA=56

PNO: Pattern Number For AOSP Command [1-15]

This parameter specifies the Administration/Guest Numbering Parameter Classification.

After assigning the PNO, go to the AOSP command to skip this ACC.

After skipping the Access Code, the system refers to the numbering data designated in the next parameter A/G.

ADM/GST: Administration/Guest station

Numbering table designation for redevelopment.

SIDA (AASP)

SIDA	SERVICE NAME	SIDA	SERVICE NAME
1-40	-	87	Call Forwarding - Busy Line; Entry Note 2
41	Voice Call	88	Call Forwarding - Don't Answer; Entry Note 2
42	Message Reminder (Desktop terminal)	89	Call Forwarding - All Calls; Cancel Note 2
43-45	-	90	Call Forwarding - Busy Line; Cancel Note 2
46	Line Load Control from ATTCN; Entry	91	Call Forwarding - Don't Answer; Cancel Note 2
47	Line Load Control from ATTCN; Cancel	92-95	-
48	Data Privacy on Demand; Entry Note 3	96	Follow Phone
49	Data Privacy on Demand; Cancel	97	Call Hold Conference
50	UCD Busy out; Entry	98	Internal Zone Page Acc.
51	UCD Busy out; Cancel	99-105	-
52	-	106	Call Return
53	Boss Secretary Override	107	-
54	Message Waiting Lamp Setting from ATTCN; Set	108	Number Sharing; Entry
55	Message Waiting Lamp Setting from ATTCN; Cancel	109	Number Sharing; Cancel
56-62	-	110	-
63	Call Pickup Expand	111	Call Block (Restricts the last calling party's number; Entry)
64-65	-	112	Call Block (Restricts dialed number; Entry)
66	Digital Announcement Card Multi-channel Recording; Record	113	Call Block; Cancel
67	-	114-115	-
68	Digital Announcement Card Multi-channel Recording; Retrieve	116	Call Trace
69-84	-	117-119	-
85	Pad Lock; Cancel	120	Selectable Station Call Pickup
86	Call Forwarding - All Calls; Entry Note 2	121	Selectable Station Call Pickup Group
		122-133	-
		134	Expanded Speed Calling; Entry
		135	Expanded Speed Calling; Access
		136-225	-

Note 2: This data is valid for Call Forwarding service for Station calls when Split Call Forwarding is in service. (The command ASYD, SYS1, Index 79, b2 = 1.)

Note 3: This data can be set when the connection Status Index (SI) = Normal (N).

- ◆ When SRV= OGC (Outgoing call) is assigned:

RT: Route Number [1-255]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

RT: Route Number [1-255]

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

RT: Route Number [1-255]

Assign a dummy route number.

2nd DT:Second Dial Tone [0/1]

Second Dial Tone sending (which is sent when a station has dialed the digits specified in NND of the AANP command)

0=Second DT is not sent

1=Second DT is sent

AH: Authorization Code [0/1]

Authorization code after dialing ACC (LCR) + Destination number

0=Out of service

1=In service

SUB: Sub Address Dialing [0/1]

ISDN-Sub Address Dialing

0=Out of service

1=In service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digits [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE command.

- ◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. EQP 3 and 5-14 can be used for SRV=AANC (Single announcement).

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN ANNC: Tenant Number

Assign the Tenant Number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range from 122 to 125 (Multi announcement).

- ◆ When SRV= PAGA (Paging answer)/PAGC (Paging cancel) is assigned:

RT: Route Number [1-255]

4. Data Sheet

(a) Service Code (SRV = SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	NUMBER OF NECESSARY DIGIT FOR SPEED CALLING (NND1) 1 – 24	SERVICE CONTENTS
		H Hooking	SSC	1			Call Hold
		N Normal	SSC	2			Dial Access to Attendant (In-formation Service Call)
		H Hooking					
		B Busy	SSC	3			Call Back; Entry
		B Busy	SSC	4			Executive Right of Way
		N Normal	SSC	5			Call Waiting – Originating
		B Busy					
		N Normal	SSC	6			Call Back; Cancel
		N Normal	SSC	7			Call Pickup – Group
		N Normal	SSC	8			CF – All Calls/Split CF – All Calls (for C.O./Tie); Entry Note 1
		N Normal	SSC	9			CF – All Calls/Split CF – All Calls (for C.O./Tie); Cancel Note 1
		N Normal	SSC	10			CF – Busy Line/Split CF – Busy Line (for C.O./Tie); Entry Note 1
		N Normal	SSC	11			CF – Busy Line/Split CF – Busy Line (for C.O./Tie); Cancel Note 1
		N Normal	SSC	12			CF – Don't Answer/Split CF – Don't Answer (for C.O./Tie); Entry Note 1
		N Normal	SSC	13			CF – Don't Answer/Split CF – Don't Answer (for C.O./Tie); Cancel Note1
		N Normal	SSC	14			Speed Calling – Station; Entry
		N Normal	SSC	15			Speed Calling – System; Access

Note 1: When Split Call Forwarding is in service (the ASYD command. SYS1 Index 79 Bit 2=1), this Access Code is used for Call Forwarding for Trunk calls.

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	16	TAS Answer
		N	Normal	SSC	17	Individual Trunk Access
				18		Not Used
		B	Busy	SSC	19	OG Trunk Queuing; Entry
		N	Normal	SSC	20	OG Trunk Queuing; Cancel
		N	Normal	SSC	21	Speed Calling – Station, Group – Access
				22 ∟ 27		Not used
		N	Normal	SSC	28	Call Forwarding – I’m Here; Entry
		N	Normal	SSC	29	Call Forwarding – I’m Here; Cancel
				30 ∟ 34		Not used
		N	Normal	SSC	35	Call Pickup – Direct
		N	Normal	SSC	36	Hotel Service

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	1	To be cleaned without ID Code
						2	Cleaned without ID Code
						3	Ready for Occupancy without ID Code
						4	Use Not Allowed without ID Code
						5	Not used
						7	
						8	
						9	Maid Dial Answer Back without ID Code-1
						10	Maid Dial Answer Back without ID Code-2
						11	Maid Dial Answer Back without ID Code-3
						12	Maid Dial Answer Back without ID Code-4
						13	Maid Dial Answer Back without ID Code-5
						14	Maid Dial Answer Back without ID Code-6
						15	Maid Dial Answer Back without ID Code-7
						16	Not used
						17	To be cleaned with ID code
						18	Cleaned with ID Code
						19	Ready for Occupancy with ID Code
						20	Use Not Allowed with ID Code

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	21 22 24	Not used
						25	Maid Dial Answer Back with ID Code-1
						26	Maid Dial Answer Back with ID Code-2
						27	Maid Dial Answer Back with ID Code-3
						28	Maid Dial Answer Back with ID Code-4
						29	Maid Dial Answer Back with ID Code-5
						30	Maid Dial Answer Back with ID Code-6
						31	Maid Dial Answer Back with ID Code-7
						32	Not used
						33	Automatic Wake-Up Setting, Cancel; Same Special Code
						34	Not used
						35	
						36	
						37	
						38	Automatic Wake-Up – Hotel Attendant Assistance Stop; Set
						39	Automatic Wake-Up – Hotel Attendant Assistance Stop; Cancel

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	40	Alert Service Start (Hotel ATT)
						41	Alert Service Stop (Hotel ATT)
						42	Guest Service Telephone Screen Initialization
						43	Guest Service Telephone Guest Room Information Retrieval
						44	Direct Data Entry – STA
						45	Alert Service Start (Special Administration station)
						46	Alert Service Stop (Special Administration station)
						47	Not used
						48	2nd Wake-Up Call (Automatic); Set
						49	2nd Wake-Up Call (Semi-Automatic); Set
						50	2nd Wake-Up Call; Cancel
						51	Same Special Code Time Zone Connection Change
						52	Same Special Code Time Zone Connection Change
						53	Same Special Code Time Zone Connection Change
						54	Same Special Code Time Zone Connection Change
						55	Same Special Code Time Zone Connection Change
						56 7 62	Not used
						63	Dummy Number
						64~69	Not used
						70	Search the Guest Room Information Code

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	37		Priority Call 1
		N	Normal	SSC	38		Priority Call 2
		N	Normal	SSC	39		Priority Call 3
		N	Normal	SSC	40		Priority Paging
		N	Normal	SSC	41		Account Code Dial
		H	Hooking				
		N	Normal	SSC	42		Authorization Code/Forced Account Code Dial/Dial Access
		H	Hooking				
		H	Hooking	SSC	43		Flash Signal Sending (CAS – Main)
		N	Normal	SSC	44		Last Number Call
					45		Not used
		H	Hooking	SSC	46		Faulty Trunk Report
					47		Not used
		N	Normal	SSC	48		Automatic Wake Up; Entry
		N	Normal	SSC	49		Automatic Wake Up; Cancel
		N	Normal	SSC	50		Group Announcement; Entry
		N	Normal	SSC	51		Group Announcement; Cancel
		N	Normal	SSC	52		Do not Disturb; Entry (via guest station)
		N	Normal	SSC	53		Do not Disturb; Cancel (via guest station)
					54		Not used
					55		
		N	Normal	SSC	56		Floor Service

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.1) 0 – 15	SERVICE CONTENTS
		N	Normal	SSC	56	0	
		N	Normal	SSC	56	1	
		N	Normal	SSC	56	2	
		N	Normal	SSC	56	3	
		N	Normal	SSC	56	4	
		N	Normal	SSC	56	5	
		N	Normal	SSC	56	6	
		N	Normal	SSC	56	7	
		N	Normal	SSC	56	8	
		N	Normal	SSC	56	9	
		N	Normal	SSC	56	10	
		N	Normal	SSC	56	11	
		N	Normal	SSC	56	12	
		N	Normal	SSC	56	13	
		N	Normal	SSC	56	14	
		N	Normal	SSC	56	15	

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECES- SARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	57		Split Access (Same Number Access)
					58 λ 59		Not used
		N	Normal	SSC	60		Attendant Manual Override
		H	Hooking	SSC	61		Call Park Access Code
		N	Normal	SSC	62		Call Park Local Retrieval Code
		N	Normal	SSC	63		Call Park Remote Retrieval Code

(a) Service Code (SRV = SSC) (Continued)

Note: Split Access (Same Number Access) (SID = 57)

[illegible]

(b) Service Code Appendix (SRV = SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SIDA) 1 – 255	SERVICE CONTENTS
					1 ⋮ 40	Not used
		H	Hooking	SSCA	41	Voice Call (Desktop terminal)
		B	Busy	SSCA	42	Message Reminder (Desktop terminal)
		H	Hooking			
					43 ⋮ 45	Not used
		N	Normal	SSCA	46	Line Load Control; Entry
		N	Normal	SSCA	47	Line Load Control; Cancel
		H	Hooking	SSCA	48	Data Privacy on Demand; Entry
		H	Hooking	SSCA	49	Data Privacy on Demand; Cancel
		N	Normal	SSCA	50	Busy Out (UCD); Entry
		N	Normal	SSCA	51	Busy Out (UCD); Cancel
					52	Not used
		N	Normal	SSCA	53	Boss-Secretary Override
		N	Normal	SSCA	54	Message Waiting Lamp Setting from ATT; Set
		N	Normal	SSCA	55	Message Waiting Lamp Setting from ATT; Cancel
		N	Normal	SSCA	56	Guest/Administration Service Note 2
		H	Hooking			
		B	Busy			
					57 ⋮ 65	Not used
		N	Normal	SSCA	66	Multi-Channel Recording <RECORD>
					67	Not used
		N	Normal	SSCA	68	Multi-Channel Recording <REPLAY>
					69 ⋮ 84	Not used
		N	Normal	SSCA	85	Dial Access to Unlock

Note 2: Guest/Administration Service (SIDA = 56)

(b) Service Code Appendix (SRV = SSCA) (Continued)

Note: Guest/Administration Service (SIDA = 56)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA)	PATTERN NUMBER FOR AOSP COMMAND (PNO) 1 – 15	ADMIN./ GUEST (A/G) 0/1	SERVICE CONTENTS
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					

(b) Service Code Appendix (SRV = SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	NECESSARY DIGIT (NND) 1 – 6	SERVICE CONTENTS
		N	Normal	SSCA	86	Split CF-All Calls (for Station); Entry Note 3
		N	Normal	SSCA	87	Split CF-Busy Line (for Station); Entry Note 3
		N	Normal	SSCA	88	Split CF-Don't Answer (for Station); Entry Note 3
		N	Normal	SSCA	89	Split CF-All Calls (for Station); Cancel Note 3
		N	Normal	SSCA	90	Split CF-Busy Line (for Station); Cancel Note 3
		N	Normal	SSCA	91	Split CF-Don't Answer (for Station); Cancel Note 3
				92 ∟ 95		Not used
		N	Normal	SSCA	96	Follow Phone (Swap)
		H	Hooking	SSCA	97	Call Hold Conference
				98 ∟ 105		Not used
		N	Normal	SSCA	106	Call Return
				107 ∟ 119		Not used
		N	Normal	SSCA	120	Selectable Station Call Pickup
		N	Normal	SSCA	121	Selectable Station Call Pickup Group
				122 ∟ 133		Not used
		N	Normal	SSCA	134	Expanded Speed Calling; Entry
		N	Normal	SSCA	135	Expanded Speed Calling; Access
				136 ∟ 255		Not used

Note 3: **When Split Call Forwarding is in service (the ASYD command. SYS1 Index 79 Bit 2=1), this Access Code is used for Call Forwarding for Station calls.

(c) Outgoing Call (Without Route Advance) (SRV = OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		
		N	Normal	OGC	
		H	Hooking		

(d) Outgoing Call (With Route Advance) (SRV = OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (COUNT)	ROUTE NUMBER (RT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(e) Least Cost Routing Access Code (SRV = LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	FLEXIBLE ROUTE NUMBER (RT)	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(f) Register Sender Least Cost Routing Access Code (SRV = LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	FLEXIBLE ROUTE NUMBER (RT)	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					

(g) Office Termination Code (SRV = UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 – 5
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		

(h) Announcement Service-Single Announcement (SRV = ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 – 127
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		

(i) Announcement Service-Multiple Announcement (SRV = ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN) 1 – 125	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 – 125
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			

(j) Paging Answer Code (SRV = PAGA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		

(k) Paging Cancel Code (SRV = PAGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		

AAST: Assignment of Administration Station Data

1. General

This command assigns the administration station data.

2. Precautions

1. This command is used for the Hotel Application only.
2. The AASN command is used to change the station number, and the AACL command is used to change the Class data (TEC, RSC, SFC etc.).
3. Assignment of Room Class 15 is not available.
4. The number of digits for a station number are designated by the ASYD command, SYS1, Index 16. The maximum number of digits for a station is 6.
5. The first digit of the station number is designated by the AANP command.
6. The RSC and SFC data work in conjunction with ARSC/ASCR/ADNR and ASFC commands.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six Digits]

Enter the station number. The number of STN digits is designated by the ASYD command, SYS1, Index 16.

LENS: Line Equipment Numbers

TEC: Telephone Equipment Class [1-31]

- 1=DP (10 pps)
- 2=PB
- 3=DP/PB
- 4=DP (20 pps)
- 5-8=Not used
- 9=House Phone
- 10-11=Not used
- 12=Dterm
- 13=Data Terminal via Dterm
- 14=Hot Line
- 15=CAS Line
- 16=Data Terminal via Data Module
- 17=Not used
- 18=Virtual Line Appearance (for Dterm Multi-Line)
- 19-22=Not used

23=ISDN Terminal
24-25=Not Used
26=VPS
27=Eight Conference Equipment
28-31=Not Used

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC command. Since RSC=0 is preserved for ATTCON, a station can use range from 1 to 15.

SFC: Service Feature Restriction Class [0-15]

Enter the SFC defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC range from 1 to 15.

ROOM CLASS: Room Class [0-15]

0=General Administration (Ordinary Telephone, Dterm)
1-5=Not used
6=Guest Service Telephone (Dterm and External Equipment)
7-15=Not used

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]

4. Data Sheet

[illegible]

ADAC: Assignment of Dial-In Area Code

1. General

This command assigns the data related to Guest Room Dial-In service feature.

2. Precautions

1. This command is used for the Hotel Application only.
2. A PMS is required for Guest Room Dial-In service feature.

3. Data Entry Instructions

DC: Digit Code [Maximum 4 digits]

Enter the digit codes used for Guest Room - Dial-In service by using numeric data (0-9).

RT: Route Number

Enter the route number of the DID trunk.

4. Data Sheet

[illegible]

ADNR: Assignment of Day/Night Restriction Data

1. General

This command assigns and displays the specific Start and End times pertaining to Day/Night Restriction or to display the Day/Night Restriction classification of a specific time.

2. Precautions

1. This command is used for the Hotel Application only.
2. When Data “1” is assigned for b6 of the ASYD command, SYS1, Index 170, Day/Night Connection Restriction will be executed regardless of ATT night mode changeover.
3. The ARSC command may be affected if the day and night tables are used.
4. For time designation, use military time (24 hour cycle) in units of 10 minutes.
5. End time must be later than Start time. If the same time is specified for both Start and End, the restriction period will be 10 minutes.
6. Night time assignment should be input twice; once for the period before midnight, and once for the period after midnight because midnight is assigned as hour 00:00. Refer to the example below for clarification:

Example: If the time period from 9:00 p.m. to 7:00 a.m. is to be assigned as Night,

00:00 - 07:00 = Night

07:10 - 20:50 = Day

21:00 - 23:50 = Night

7. When the specific time of the Day/Night Restriction classification is not assigned by using this command, all of the data work with Day time.
8. CHECK HOUR and CHECK MINUTE read the Day/Night data of the specific time for check. When you do not require the reading data, set the both CHECK HOUR and CHECK MINUTE to 00.
9. The following commands are related to the Day/Night data:
ATNR / ARSC / ATDP / ASFC / ASCR / ATCR
10. RSC 11 through 15 may be used in the Same Special Code Time Zone Connection Change service (The AASP/AGSP command, SRV = SSC, SID 36, STATE 51- 55).

3. Data Entry Instructions

TN: Tenant Number

D/N: Day/Night Mode [D/N]

D = Day Mode

N = Night Mode

RSC: Route Restriction Class [0-15]

0=ATT

1-15=Station

START HOUR/START MINUTE: Restriction Start Time [00:00-23:50]

Assign in military time (24 hour cycle) in units of 10 minutes.

END HOUR/END MINUTE: Restriction End Time [00:00-23:50]

Assign in military time (24 hour cycle) in units of 10 minutes.

CHECK HOUR/CHECK MINUTE: Check Data Time [00:00-23:50] (Option)

Assign in military time (24 hour cycle) in units of 10 minutes to read out the Day/Night data.

4. Data Sheet

[illegible]

ADSS: Assignment of Direct Station Select

1. General

This command assigns the called number data corresponding to the Hotel Attendant Console's Direct Station Select (DSS) key.

2. Precautions

1. This command is used for the Hotel Application only.
2. The DSS function is only valid for the Hotel Attendant Console and may not be assigned for Business System Console.
3. DSS Function Key Numbers are 1 to 10. These ten numbers correspond to values 1 to 10 for the DSS parameter of this command.
4. This feature must be enabled in ASYD, SYS1, Index 161, b5 in order to operate.

3. Data Entry Instructions

ATT: Attendant Number

DSS: Direct Station Select Key [1-10]

Enter DSS Key number.

DC: Digit Code [Maximum 14 Digits]

Destination number to be called frequently station number, the specific outside party number (including the originating ACC).

4. Data Sheet

ATTCON No. (ATN)	DSS KEY No. (DSS) 1 – 10	DIGIT CODE (DC) MAXIMUM 14 DIGITS
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	

AGCL: Assignment of Guest Station Class

1. General

This command changes the data assigned to a guest station: Telephone Equipment Class (TEC), Service Feature Class (SFC), Route Restriction Class (RSC), ROOM CLASS and Floor Service Data [Annex (ANX), Ground/Underground (G), Floor (FLR)].

2. Precautions

1. This command is used for the Hotel Application only.
2. Only Telephone Equipment Classes (TECs) 5-8, 10, 12, 13, and 18 may be assigned via this command.
3. Floor Service Data is displayed only in the case of the ASYD command, SYS1, Index 165, b7 = 1 (Floor Service is provided).
4. When you have changed the station class, update the data sheet for the AGST command.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six Digits]

Enter the station number. The number of STN digits is designated by the ASYD command, SYS1, Index 16.

LENS: Line Equipment Numbers

This parameter is displayed only.

TEC: Telephone Equipment Class [1-31]

- 1-4=Not used
- 5=DP (10 pps)
- 6=PB
- 7=DP/PB
- 8=DP (20 pps)
- 9=Not used
- 10=House Phone
- 11=Not used
- 12=Dterm
- 13=Data Terminal via Dterm
- 14-17=Not Used
- 18=Virtual Line Appearance (for Dterm Multi-Line)
- 19-31=Not Used

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC/ASCR/ADNR command. Since RSC=0 is preserved for ATTCON, a station can use range from 1 to 15.

SFC: Service Feature Restriction Class [0-15]

Enter the SFC defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC range from 1 to 15.

ROOM CLASS: Room Class [0-15]

When a Desktop terminal is used for guest station, ROOM CLASS is 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]

AGNP: Assignment of Guest Numbering Plan Data

1. General

This command assigns the minimum number of digits needed to determine the service which is required for the first digit received (pre-translation).

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration. Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), use this command for the Guest Numbering plan. For the Administration numbering plan, use the AANP command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated. Administration station required of the guest room call must be allocated in TN1.

3. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the Tenant Number this command affects.

If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b2 = 1), assign TN parameter as data “1” for all tenants.

4. When changing any of the numbering plan data, the old data must be deleted before new data is assigned.
5. When the system has stations of mixed-digit numbering (two-digit STN, three-digit STN, etc.) with the same first digit, the Busy Lamp Field (BLF) display on Desk Consoles can only show the status of stations where the Number of Necessary Digits (NND) value is specified with the AGNP command.

3. Data Entry Instructions

TN: Tenant Number

1st DC:1st Digit Code [0-9, *, #]

The first digit of station number, service Access Code and/or trunk Access Code, etc.

CI: Connection Status Index

The status of the “1st DC” dialed.

N: Normal (Idle)

H: Hooking

B: Busy

NND: Number Of Necessary Digits [Maximum six Digits]

The primarily analyzed digits, prior to the AGSP command. To assign different number of digits for this, assign minimum number of digits in this parameter.

BLF: Busy Lamp Field [0/1]

Whether the station busy status is monitored by the system or not. In Hotel system, assign “0” for this parameter.

0=Out of service

1=In service

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT (1ST DC)	CONNECTION STATUS INDEX (CI) N/H/B		NUMBER OF NECESSARY DIGITS (NND) MAXIMUM 6 DIGITS	BUSY LAMP FIELD (BLF) 0/1
	1	N	Normal		0
		H	Hooking		0
		B	Busy		0
	2	N	Normal		0
		H	Hooking		0
		B	Busy		0
	3	N	Normal		0
		H	Hooking		0
		B	Busy		0
	4	N	Normal		0
		H	Hooking		0
		B	Busy		0
	5	N	Normal		0
		H	Hooking		0
		B	Busy		0
	6	N	Normal		0
		H	Hooking		0
		B	Busy		0
	7	N	Normal		0
		H	Hooking		0
		B	Busy		0
	8	N	Normal		0
		H	Hooking		0
		B	Busy		0
	9	N	Normal		0
		H	Hooking		0
		B	Busy		0
	0	N	Normal		0
		H	Hooking		0
		B	Busy		0
	*	N	Normal		0
		H	Hooking		0
		B	Busy		0
	#	N	Normal		0
		H	Hooking		0
		B	Busy		0

AGNPL: Assignment of Guest Numbering Plan for LDM

1. General

This command assigns the minimum number of digits needed to determine the service required for the first digit received (pre-translation).

2. Precautions

1. This command is used for the Hotel Application.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), use this command for the Guest Numbering plan. For the Administration. numbering plan, use the ANPDL command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated. Administration station required of the guest room call must be allocated in TN1.

3. Use this command to assign the numbering data for the operator call and the priority call (terminating to ATT) in the FCCS Network.
4. The numbering data for Telephone numbers may be programmed by this command. However, those Telephone numbers are available in the Self Node only.

Telephone numbers available within the FCCS Network are to be programmed at Network Control Node (NCN) using the AGNPN and AGSPN commands.

5. The system data assignment (ASYDL, SYS1, Index 513, b0 = 1) is needed to use the AGNPL command.

3. Data Entry Instructions

TN: Tenant Number

1st DC:1st Digit Code [0-9, *, #]

The first digit of service Access Code, etc.

CI: Connection Status Index

The status of the “1st DC” dialed.

N: Normal (Idle)

H: Hooking

B: Busy

NND: Number of Necessary Digits [Maximum 16 Digits]

The primarily analyzed digits, prior to the AGSPL command. Assign the minimum number of digits for each Access Code. To assign different number of digits, such as Timing Start for Telephone number, assign maximum number of digits in this parameter.

BLF: Busy Lamp Field [0/1]

Whether the station busy status is monitored by the system or not. In Hotel system, assign “0” for this parameter.

0/1=Out of service/In service

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT (1ST DC)	CONNECTION STATUS INDEX (CI)		NUMBER OF NECESSARY DIGITS (NND)	BUSY LAMP FIELD (BLF)	REMARKS
	1	N	Normal			
		H	Hooking			
		B	Busy			
	2	N	Normal			
		H	Hooking			
		B	Busy			
	3	N	Normal			
		H	Hooking			
		B	Busy			
	4	N	Normal			
		H	Hooking			
		B	Busy			
	5	N	Normal			
		H	Hooking			
		B	Busy			
	6	N	Normal			
		H	Hooking			
		B	Busy			
	7	N	Normal			
		H	Hooking			
		B	Busy			
	8	N	Normal			
		H	Hooking			
		B	Busy			
	9	N	Normal			
		H	Hooking			
		B	Busy			
	0	N	Normal			
		H	Hooking			
		B	Busy			
	*	N	Normal			
		H	Hooking			
		B	Busy			
	#	N	Normal			
		H	Hooking			
		B	Busy			

AGNPN: Assignment of Guest Numbering Plan for NDM

1. General

This command assigns the minimum number of digits needed to determine the service required by the first digit received (pre-translation). The data assigned on this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command is used for the Hotel Application.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), use this command for the Guest Numbering plan. For the Administration numbering plan, use the ANPDN command.

Note: Hotel features are available in TN1 only. If the AGNPN command is not common for all tenants, tenants are restricted from calling between each other. Hotel Admin phones must be in tenant 1.

3. The system data assignment (ASYDN, SYS1, Index 514, b0 = 1) provides the Network Data Memory (NDM).

3. Data Entry Instructions

TN: Tenant Number

1st DC:1st Digit Code [0-9, *, #]

The first digit of Access Code for Telephone Number.

CI: Connection Status Index

The status of the “1st DC” dialed.

N: Normal (Idle)

H: Hooking

B: Busy

NND: Number of Necessary Digits [Maximum six Digits]

The first digits analyzed, prior to the AGSPN command. To assign a different number of digits for this, assign minimum number of digits to be used in this parameter.

BLF: Busy Lamp Field [0/1]

Fixed to “0.”

4. Data Sheet

TENANT NUMBER (TN)	1ST DIGIT (1ST DC)	CONNECTION STATUS INDEX (CI)		NUMBER OF NECESSARY DIGITS (NND)	BUSY LAMP FIELD (BLF)	REMARKS
	1	N	Normal			
		H	Hooking			
		B	Busy			
	2	N	Normal			
		H	Hooking			
		B	Busy			
	3	N	Normal			
		H	Hooking			
		B	Busy			
	4	N	Normal			
		H	Hooking			
		B	Busy			
	5	N	Normal			
		H	Hooking			
		B	Busy			
	6	N	Normal			
		H	Hooking			
		B	Busy			
	7	N	Normal			
		H	Hooking			
		B	Busy			
	8	N	Normal			
		H	Hooking			
		B	Busy			
	9	N	Normal			
		H	Hooking			
		B	Busy			
	0	N	Normal			
		H	Hooking			
		B	Busy			
	*	N	Normal			
		H	Hooking			
		B	Busy			
	#	N	Normal			
		H	Hooking			
		B	Busy			

AGSN: Assignment of Alternated Guest Station Number

1. General

This command changes a currently assigned guest station number.

2. Precautions

1. This command is used for the Hotel Application only.
2. Input a number which is not currently assigned. If a station number currently being used is to be assigned as a new number, delete the station first via the AGST command.
3. When the “PKG CHECK” message is displayed during assignment, confirm the LENS location of the circuit card (PA-16LC, etc.) accommodating the station, then press the ENTER key.
4. When you have changed the station number, update the data sheet for the AGST command.

3. Data Entry Instructions

TN: Tenant Number

OLD STN: Old station number

Enter the current station number to be changed.

NEW STN: New station number

Enter the new station number according to the numbering plan. Update the data sheet for the AGST command.

AGSP: Assignment of Guest Special Access Code

1. General

This command determines the Kind of Service to be executed or the route to be used when a Special Access code or trunk Access code has been dialed for the guest station.

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6=0), use this command for the Guest Special Access code. For the Administration Special Access code, use the AASP command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated. Administration station required of the guest room call must be allocated in TN1.

3. If the numbering plan for Administration and Guest is common (the ASYD command, SYS1, Index 160, b6=1), this command may be used to assign the Administration Special Access code as well.
4. The applicable Tenant Number (TN) range is designated by the ASYD command, SYS1, Index 8. Enter the Tenant Number this command affects.

If data for this command is common for all tenants (ASYD command, SYS1, Index 92, b1=1), assign TN parameter as data "1" for all tenants.

5. To dial a different number of station number digits, the following programming is required.

Note: For the station number (ex. 200, 20000),
AANP 1st.: 2 CI: N & H NND: 3
AASP ACC: 200* CI: N & H SRV: SSC SID: 36 STATE: 63 (Dummy STA)

6. The following shows the rules of NND/NND1 data for Speed Calling-System and Call Park Remote Retrieval.

Service Feature	SRV	SID	NND	NND1
Speed Calling - System	SSC	15	NND is the number of digits of the Access Code (ACC)	NND1 is the number of digits abbreviated digits code (ADC)
Call Park Remote Retrieval Code	SSC	63	NND is the number of digits of the Access Code (ACC)	-

7. The variable parameter appears on the MAT depending on the data in the parameter SRV.

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six Digits (0-9, *, #)]

CI: Connection Status Index

N: Normal

H: Hooking

B: Busy

SRV: Kind of Service

SSC=Service code

SSCA=Service code appendix

OGC=Outgoing call

OGCA=Outgoing call with route advance

LCR=Least cost routing

LCRS=Register sender LCR

UNIF=Office termination

ANNC=Announcement service

ANNM=Announcement service-multiple announcement

PAGA=Paging answer

PAGC=Paging cancel

◆ When SRV=SSC (Service code), except SID36, 56, and 57 is assigned:

SID: Service Index [1-63]

SID	SERVICE NAME	SID	SERVICE NAME
1	-	41-42	-
2	Dial Access to Attendant (Operator Call)	43	Flash Signal Sending to Main office across CAS line
3-4	-		
5	Call Waiting - Originating	44-47	-
6-13	-	48	Automatic Wake-up; Entry
14	Speed Calling - Station; Entry	49	Automatic Wake-up; Cancel
15	Speed Calling - System; Access	50-51	-
16	Trunk Answer from Any Station (TAS)	52	Do Not Disturb; Entry
17	Individual Trunk Access	53	Do Not Disturb; Cancel
18-20	-	54-55	-
21	Speed Calling - Station, Group; Access	56	Floor Service (See page 2127)
22-35	-	57	Split Access (See page 2127)
36	Hotel Service (See page 2126)	58-59	-
37	Priority Call 1	60	Attendant Manual Override
38	Priority Call 2	61	Call Park; Entry
39	Priority Call 3	62	Call Park; Local Retrieve
40	Priority Paging	63	Call Park; Remote Retrieve

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	Number of digits for NND
15 (Speed Calling-System; Access)	Access Code (1-7)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit For Speed Calling [1-4]

NND1 appears when SID=15. The number of ADC (Abbreviation Digit Code) digits should be assigned in NND1.

- ◆ When SRV=SSC (Service code), SID36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

1=To be cleaned without ID code
 2=Cleaning Completed without ID code
 3=Ready for Occupancy without ID code
 4=Use Not Allowed without ID code
 5-8=-
 9=Maid Dial Answer Back without ID code-1
 10=Maid Dial Answer Back without ID code-2
 11=Maid Dial Answer Back without ID code-3
 12=Maid Dial Answer Back without ID code-4
 13=Maid Dial Answer Back without ID code-5
 14=Maid Dial Answer Back without ID code-6
 15=Maid Dial Answer Back without ID code-7
 16=-
 17=To be cleaned with ID code
 18=Cleaning Completed with ID code
 19=Ready for Occupancy with ID code
 20=Use Not Allowed with ID code
 21-24=-
 25=Maid Dial Answer Back with ID code-1
 26=Maid Dial Answer Back with ID code-2
 27=Maid Dial Answer Back with ID code-3
 28=Maid Dial Answer Back with ID code-4
 29=Maid Dial Answer Back with ID code-5
 30=Maid Dial Answer Back with ID code-6
 31=Maid Dial Answer Back with ID code-7
 32=Access code for administration station call
 33=Automatic Wake Up Setting, Cancel; Same Special code
 34=For guest station Secretary Telephone; Boss/Secretary Calling
 35=Boss/Secretary Busy out; Set
 36=Boss/Secretary Busy out; Cancel
 37-43=-
 44=Direct Data Entry-Station (via guest station)
 45-50=-
 51=Same Special Code Time Zone Connection Change
 52=Same Special Code Time Zone Connection Change
 53=Same Special Code Time Zone Connection Change
 54=Same Special Code Time Zone Connection Change
 55=Same Special Code Time Zone Connection Change
 56-62=-
 63=Dummy Number

Note: STATE=1-15 are used at the time of Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.

STATE=17-31 are used at the time of Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

- ◆ When SRV=SSC (Service code), SID56 (Floor Service) is assigned:

SID: Service Index [1-63]

SID=56

NO1: Kind Of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSC (Service code), SID57 (Split Access) is assigned:

SID: Service Index [1-63]

SID=57

NO2: Kind Of Assignment Number [0-63]

This parameter specifies the number (0-63) of the Access Code being assigned for mutual access. This parameter serves as a counter for the Access Codes being assigned.

Note: This parameter is used when assigning the details of the service by the ASPS command.

KIND: Kind Of Function [0-3]

This parameter specifies the Split Access Parameter Classification. The data to be assigned here depends on how the guest and administration stations are differentiated.

The guest and administration stations may be assigned to separate TNs, RSCs, and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

0=Administration/Guest (Assign this if the Access Code is to be shared between Guest and Administration with no correspondence to TN, RSC or SFC.)

1=TN (Assign this as the Access Code to be shared among specified TNs)

2=RSC (Assign this as the Access Code to be shared among specified RSCs)

3=SFC (Assign this as the Access Code to be shared among specified SFCs)

- ◆ When SRV=SSCA (Service code appendix), SIDA=56 (Guest/Administration Service) is assigned:

SIDA: Service Index A [1-255]

SIDA=56

PNO: Pattern Number For AOSP Command [1-15]

This parameter specifies the Administration/Guest Numbering Parameter Classification.

After assigning the PNO, go to the AOSP command to skip this ACC.

After skipping the Access Code, the system refers to the numbering data designated in the next parameter ADM/GST.

ADM/GST: Administration/Guest station

Numbering table designation for redevelopment.

- ◆ When SRV= OGC (Outgoing call) is assigned:

RT: Route Number [1-255]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

RT: Route Number [1-255]

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

RT: Route Number [1-255]

Assign a dummy route number.

2nd DT: Second Dial Tone [0/1]

Second Dial Tone sending (which is sent when a station has dialed the digits specified in NND of the AGNP command)

0=Second DT is not sent

1=Second DT is sent

AH: Authorization Code [0/1]

Authorization code after dialing ACC (LCR) + Destination number

0=Out of service

1=In service

SUB: Sub Address Dialing [0/1]

ISDN-Sub Address Dialing

0=Out of service

1=In service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digits [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE command.

- ◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. EQP 3 and 5-14 can be used for SRV=AANC (Single announcement).

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN ANNC: Tenant Number

Assign the Tenant Number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range from 122 to 125 (Multi announcement).

- ◆ When SRV= PAGA (Paging answer)/PAGC (Paging cancel) is assigned:

RT: Route Number [1-255]

4. Data Sheet

(a) Service Code (SRV = SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	NUMBER OF NECESSARY DIGIT FOR SPEED CALLING (NND1) 1 – 24	SERVICE CONTENTS
		H	Hooking	SSC	1			Not used
		N	Normal	SSC	2			Dial Access to Attendant (In- formation Service Call)
		H	Hooking					
					3			Not used
					4			
		N	Normal	SSC	5			Call Waiting-Originating
		B	Busy					
					6			Not used
					7			
					13			
		N	Normal	SSC	14			Speed Calling-Station; Entry
		N	Normal	SSC	15			Speed Calling-System; Ac- cess
		N	Normal	SSC	16			TAS Answer
		N	Normal	SSC	17			Individual Trunk Access
					18			Not used
					19			
					20			
		N	Normal	SSC	21			Speed Calling-Station, Group; Access
					22			Not used
					35			
		N	Normal	SSC	36			Hotel Service

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	1	To be cleaned without ID Code
						2	Cleaned without ID Code
						3	Ready for Occupancy without ID Code
						4	Use Not Allowed without ID Code
						5	Not used
						7	
						8	
						9	Maid Dial Answer Back without ID Code 1
						10	Maid Dial Answer Back without ID Code 2
						11	Maid Dial Answer Back without ID Code 3
						12	Maid Dial Answer Back without ID Code 4
						13	Maid Dial Answer Back without ID Code 5
						14	Maid Dial Answer Back without ID Code 6
						15	Maid Dial Answer Back without ID Code 7
						16	Not used
						17	To be cleaned with ID code
						18	Cleaned with ID Code
						19	Ready for Occupancy with ID Code
						20	Use Not Allowed with ID Code

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	21 └ 24	Not used
						25	Maid Dial Answer Back with ID Code 1
						26	Maid Dial Answer Back with ID Code 2
						27	Maid Dial Answer Back with ID Code 3
						28	Maid Dial Answer Back with ID Code 4
						29	Maid Dial Answer Back with ID Code 5
						30	Maid Dial Answer Back with ID Code 6
						31	Maid Dial Answer Back with ID Code 7
						32	Not used
						33	Automatic Wake-Up Setting, Cancel; Same Special Code
						34	For guest station Secretary Telephone; Boss/Secretary
						35	Boss/Secretary Busy out; Set
						36	Boss/Secretary Busy out; Cancel
						37 └ 43	Not used
						44	Direct Data Entry – STA
						45 └ 50	Not used
						51	Same Special Code Time Zone Connection Change

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	52	Same Special Code Time Zone Connection Change
						53	Same Special Code Time Zone Connection Change
						54	Same Special Code Time Zone Connection Change
						55	Same Special Code Time Zone Connection Change
						56 7 62	Not used
						63	Dummy Number

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	37		Priority Call 1
		N	Normal	SSC	38		Priority Call 2
		N	Normal	SSC	39		Priority Call 3
		N	Normal	SSC	40		Priority Paging
					41		Not used
					42		Not used
		H	Hooking	SSC	43		Flash Signal Sending (CAS – Main)
					44 45 46 47		Not used
		N	Normal	SSC	48		Automatic Wake Up; Entry
		N	Normal	SSC	49		Automatic Wake Up; Cancel
					50		Not used
					51		Not used
		N	Normal	SSC	52		Do not Disturb; Entry
		N	Normal	SSC	53		Do not Disturb; Cancel
					54		Not used
					55		Not used
		N	Normal	SSC	56		Floor Service Note: When programming Floor Service data, ASYD SYS1 Index 165, b1=1 must have been assigned.

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.1) 0 – 15	SERVICE CONTENTS
		N	Normal	SSC	56	0	
		N	Normal	SSC	56	1	
		N	Normal	SSC	56	2	
		N	Normal	SSC	56	3	
		N	Normal	SSC	56	4	
		N	Normal	SSC	56	5	
		N	Normal	SSC	56	6	
		N	Normal	SSC	56	7	
		N	Normal	SSC	56	8	
		N	Normal	SSC	56	9	
		N	Normal	SSC	56	10	
		N	Normal	SSC	56	11	
		N	Normal	SSC	56	12	
		N	Normal	SSC	56	13	
		N	Normal	SSC	56	14	
		N	Normal	SSC	56	15	

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	57		Split Access (Same Number Access)
					58 λ 59		Not used
		N	Normal	SSC	60		Attendant Manual Override
		H	Hooking	SSC	61		Call Park Access Code
		N	Normal	SSC	62		Call Park Local Retrieval Code
		N	Normal	SSC	63		Call Park Remote Retrieval Code

(a) Service Code (SRV = SSC) (Continued)

[illegible]

(b) Service Code Appendix (SRV = SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	SERVICE CONTENTS
					1 2 55	Not used
		N	Normal	SSCA	56	Guest/Administration Service
		H	Hooking			
		B	Busy			
					57 2 133	Not used
		N	Normal	SSCA	134	Expanded Speed Calling; Entry
		N	Normal	SSCA	135	Expanded Speed Calling; Access
					136-255	Not used

(b) Service Code Appendix (SRV = SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA)	PATTERN NUMBER FOR AOSP COMMAND (PNO) 1 – 15	ADMIN./ GUEST (A/G) 0/1	SERVICE CONTENTS
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					

(c) Outgoing Call (Without Route Advance) (SRV = OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)	REMARKS
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			

(d) Outgoing Call (With Route Advance) (SRV = OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (COUNT)	ROUTE NUMBER (RT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(e) Least Cost Routing Access Code (SRV = LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	FLEXIBLE ROUTE NUMBER (RT) 1 – 255	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(e) Register Sender Least Cost Routing Access Code (SRV = LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	FLEXIBLE ROUTE NUMBER (RT) 1 – 255	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					

(f) Office Termination Code (SRV = UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 – 5
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		

(g) Announcement Service-Single Announcement (SRV = ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 – 127
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		

(h) Announcement Service-Multiple Announcement (SRV = ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN) 1 – 125	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 – 125
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			

(i) Paging Answer Code (SRV = PAGA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTIO STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		
		N	Normal	PAGA	
		H	Hooking		

(j) Paging Cancel Code (SRV = PAGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		
		N	Normal	PAGC	
		H	Hooking		

AGSPL: Assignment of Guest Special Access Code for LDM

1. General

1. This command determines the Kind of Service and the service Access Code to be executed in the Local Node (LN) on the FCCS Network.

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), use this command for the Guest Special Access code. For the Administration Special Access code, use the ASPAL command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated. Administration station required of the guest room call must be allocated in TN1.

3. If the numbering plan for Administration and Guest is common (the ASYD command, SYS1, Index 160, b6=1), this command may be used to assign the Administration Special Access code as well.
4. Access Code for Telephone numbers may be programmed by this command, however, those Telephone numbers are available in the Self Node only.
Telephone numbers available on the FCCS Network are to be programmed at Network Control Node (NCN) using the AGNPN and AGSPN commands.

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six Digits (0-9, *, #)]

CI: Connection Status Index

N: Normal
H: Hooking
B: Busy

SRV: Kind of Service

SSC=Service code
SSCA=Service code appendix
OGC=Outgoing call
OGCA=Outgoing call with route advance
LCR=Least cost routing
LCRS=Register sender LCR
UNIF=Office termination
ANNC=Announcement service
ANNCM=Announcement service-multiple announcement
TELN=Telephone Number **Note 1**

Note 1: Telephone Number is available in the Self Node only.

- ◆ When SRV=SSC (Service code), except SID2, 19, 20, 36, 37, 38, 39, 56, 57, and 63 is assigned:

SID: Service Index [1-63]

SID	SERVICE NAME	SID	SERVICE NAME
5	Call Waiting - Originating	49	Automatic Wake-up; Cancel
14	Speed Calling - Station; Entry	52	Do Not Disturb; Entry
15	Speed Calling - System; Access	53	Do Not Disturb; Cancel
17	Individual Trunk Access	60	Attendant Manual Override
21	Speed Calling - Station, Group; Access	61	Call Park; Entry
43	Flash Signal Sending to Main office across CAS line	62	Call Park; Local Retrieve
48	Automatic Wake-up; Entry		

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	Number of digits for NND
15 (Speed Calling-System; Access)	Access Code (1-7)
60 (Attendant Manual Override)	Access Code (1-5)

NND1: Necessary Digit For Speed Calling [1-4]

NND1 appears when SID=15. The number of ADC (Abbreviation Digit Code) digits should be assigned in NND1.

- ◆ When SRV=SSC (Service code), SID2, 19, 20, 37, 38, or 39 is assigned:

SID: Service Index [1-63]

FPC: Fusion Point Code

FPC appears when the following SID is entered.

SID	SERVICE NAME	Number of FPC
2	Dial Access to Attendant (Operator Call)	1-253
19	OG Trunk Queuing; Entry	1-253
20	OG Trunk Queuing; Cancel	1-253
37	Priority Call 1	1-253
38	Priority Call 2	1-253
39	Priority Call 3	1-253

- ◆ When SRV=SSC (Service code), SID36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

1=To be cleaned without ID code
 2=Cleaning Completed without ID code
 3=Ready for Occupancy without ID code
 4=Use Not Allowed without ID code
 5-8=-
 9=Maid Dial Answer Back without ID code-1
 10=Maid Dial Answer Back without ID code-2
 11=Maid Dial Answer Back without ID code-3
 12=Maid Dial Answer Back without ID code-4
 13=Maid Dial Answer Back without ID code-5
 14=Maid Dial Answer Back without ID code-6
 15=Maid Dial Answer Back without ID code-7
 16=-
 17=To be cleaned with ID code
 18=Cleaning Completed with ID code
 19=Ready for Occupancy with ID code
 20=Use Not Allowed with ID code
 21-24=-
 25=Maid Dial Answer Back with ID code-1
 26=Maid Dial Answer Back with ID code-2
 27=Maid Dial Answer Back with ID code-3
 28=Maid Dial Answer Back with ID code-4
 29=Maid Dial Answer Back with ID code-5
 30=Maid Dial Answer Back with ID code-6
 31=Maid Dial Answer Back with ID code-7
 32=Access code for administration station call
 33=Automatic Wake Up Setting, Cancel; Same Special code
 34=For guest station Secretary Telephone; Boss/Secretary Calling
 35-43=-
 44=Direct Data Entry-Station (via guest station)
 45-50=-
 51=Same Special Code Time Zone Connection Change
 52=Same Special Code Time Zone Connection Change
 53=Same Special Code Time Zone Connection Change
 54=Same Special Code Time Zone Connection Change
 55=Same Special Code Time Zone Connection Change
 56-62=-
 63=Dummy Number

Note: STATE=1-15 are used at the time of Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.
 STATE=17-31 are used at the time of Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

- ◆ When SRV=SSC (Service code), SID56 (Floor Service) is assigned:

SID: Service Index [1-63]

SID=56

NO1: Kind Of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSC (Service code), SID57 (Split Access) is assigned:

SID: Service Index [1-63]

SID=57

NO2: Kind Of Assignment Number [0-63]

This parameter specifies the number (0-63) of the Access Code being assigned for mutual access. This parameter serves as a counter for the access codes being assigned.

Note: This parameter is used when assigning the details of the service by the ASPS command.

KIND: Kind Of Function [0-3]

This parameter specifies the Split Access Parameter Classification. The data to be assigned here depends on how the guest and administration stations are differentiated.

The guest and administration stations may be assigned to separate TNs, RSCs, and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

0=Administration/Guest (Assign this if the Access Code is to be shared between Guest and Administration with no correspondence to TN, RSC or SFC.)

1=TN (Assign this as the Access Code to be shared among specified TNs)

2=RSC (Assign this as the Access Code to be shared among specified RSCs)

3=SFC (Assign this as the Access Code to be shared among specified SFCs)

- ◆ When SRV=SSCA (Service code appendix), SIDA=56 (Guest/Administration Service) is assigned:

SIDA: Service Index A [1-255]

SIDA=56

PNO: Pattern Number For AOSP Command [1-15]

This parameter specifies the Administration/Guest Numbering Parameter Classification.

After assigning the PNO, go to the AOSP command to skip this ACC.

After skipping the Access Code, the system refers to the numbering data designated in the next parameter ADM/GST.

ADM/GST: Administration/Guest station

Numbering table designation for redevelopment.

- ◆ When SRV= OGC (Outgoing call) is assigned:

LGRT: Logical Route Number [1-899]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

LGRT: Logical Route Number [1-899]

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

LGRT: Logical Route Number [1-899]

Assign a dummy route number.

2nd DT: Second Dial Tone [0/1]

Second Dial Tone sending (which is sent when a station has dialed the digits specified in NND of the AGNPL command)

0=Second DT is not sent

1=Second DT is sent

AH: Authorization Code [0/1]

Authorization code after dialing ACC (LCR) + Destination number

0=Out of service

1=In service

SUB: Sub Address Dialing [0/1]

ISDN-Sub Address Dialing

0=Out of service

1=In service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digits [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE command.

- ◆ When SRV=AANC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. EQP 3 and 5-14 can be used for SRV=AANC (Single announcement).

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN ANNC: Tenant Number

Assign the Tenant Number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range from 122 to 125 (Multi announcement).

- ◆ When SRV= PAGA (Paging answer)/PAGC (Paging cancel) is assigned:

LGRT: Logical Route Number [1-899]

- ◆ When SRV=TELN (Telephone Number) is assigned:

NND: Necessary Digits [1-16]

Note: This Telephone Number is available to make a call and receive a call within the Self Node only. If the Telephone Number is to be used within the FCCS Network, assign it at Network Control Node (NCN) using the ASPAN command.

4. Data Sheet

(a) Service Code (SRV = SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	NUMBER OF NECESSARY DIGIT FOR SPEED CALLING (NND1) 1 – 24	FUSION POINT CODE (FPC) 1-253	SERVICE CONTENTS
		H	Hooking	SSC	1				Not used
		N	Normal	SSC	2				Dial Access to Attendant (Operator Call)
		H	Hooking						
					3				Not used
					4				
		N	Normal	SSC	5				Call Waiting-Originating
		B	Busy						
					6 7 13				Not used
		N	Normal	SSC	14				Speed Calling-Station; Entry
		N	Normal	SSC	15				Speed Calling-System; Access
					16				Not used
		N	Normal	SSC	17				Individual Trunk Access
					18				Not used
		B	Busy	SSC	19				OG Trunk Queueing; Entry
		N	Normal	SSC	20				OG Trunk Queueing; Cancel
		N	Normal	SSC	21				Speed Calling-Station, Group; Access
					22 23 35				Not used
		N	Normal	SSC	36				Hotel Service Note: Use the sheets on the next page for the ac- tual data entry.

(a) Service Code (SRV = SSC) (Continued)

- SID = 36 (Hotel Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	1	To be cleaned without ID Code
						2	Cleaned without ID Code
						3	Ready for Occupancy without ID Code
						4	Use Not Allowed without ID Code
						5	Not used
						6	
						7	
						8	
						9	Maid Dial Answer Back without ID Code 1
						10	Maid Dial Answer Back without ID Code 2
						11	Maid Dial Answer Back without ID Code 3
						12	Maid Dial Answer Back without ID Code 4
						13	Maid Dial Answer Back without ID Code 5
						14	Maid Dial Answer Back without ID Code 6
						15	Maid Dial Answer Back without ID Code 7
						16	Not used
						17	To be cleaned with ID code
						18	Cleaned with ID Code
						19	Ready for Occupancy with ID Code
						20	Use Not Allowed with ID Code

(a) Service Code (SRV = SSC) (Continued)

- SID = 36 (Hotel Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	21 22 24	Not used
						25	Maid Dial Answer Back with ID Code 1
						26	Maid Dial Answer Back with ID Code 2
						27	Maid Dial Answer Back with ID Code 3
						28	Maid Dial Answer Back with ID Code 4
						29	Maid Dial Answer Back with ID Code 5
						30	Maid Dial Answer Back with ID Code 6
						31	Maid Dial Answer Back with ID Code 7
						32	Not used
						33	Automatic Wake-Up Setting, Cancel; Same Special Code
						34	For guest station Secretary Telephone; Boss/Secretary
						35 36 43	Not used
						44	Direct Data Entry – STA
						45 46 50	Not used
						51	Same Special Code Time Zone Connection Change

(a) Service Code (SRV = SSC) (Continued)

- SID = 36 (Hotel Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	52	Same Special Code Time Zone Connection Change
						53	Same Special Code Time Zone Connection Change
						54	Same Special Code Time Zone Connection Change
						55	Same Special Code Time Zone Connection Change
						56 62	Not used
						63	Dummy Number

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STA- TUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	FUSION POINT CODE (FPC) 1-253	SERVICE CONTENTS
		N	Normal	SSC	37			Priority Call 1
		N	Normal	SSC	38			Priority Call 2
		N	Normal	SSC	39			Priority Call 3
					40			Not used
					41			Not used
					42			Not used
		H	Hooking	SSC	43			Flash Signal Sending (CAS – Main)
					44 ~ 47			Not used
		N	Normal	SSC	48			Automatic Wake Up; Entry
		N	Normal	SSC	49			Automatic Wake Up; Cancel
					50			Not used
					51			Not used
		N	Normal	SSC	52			Do not Disturb; Entry
		N	Normal	SSC	53			Do not Disturb; Cancel
					54			Not used
					55			Not used
		N	Normal	SSC	56			Floor Service Note: Use the sheet on the next page for the actual data entry.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7 = 1 must have been assigned.

(a) Service Code (SRV = SSC) (Continued)

- SID = 56 (Floor Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.1) 0 – 15	SERVICE CONTENTS
		N Normal	SSC	56	0	
		N Normal	SSC	56	1	
		N Normal	SSC	56	2	
		N Normal	SSC	56	3	
		N Normal	SSC	56	4	
		N Normal	SSC	56	5	
		N Normal	SSC	56	6	
		N Normal	SSC	56	7	
		N Normal	SSC	56	8	
		N Normal	SSC	56	9	
		N Normal	SSC	56	10	
		N Normal	SSC	56	11	
		N Normal	SSC	56	12	
		N Normal	SSC	56	13	
		N Normal	SSC	56	14	
		N Normal	SSC	56	15	

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	57		Split Access (Same Number Access) Note: Use the sheet on the next page for the actual data entry.
					58 ~ 59		Not used
		N	Normal	SSC	60		Attendant Manual Override
		H	Hooking	SSC	61		Call Park Access Code
		N	Normal	SSC	62		Call Park Local Retrieval Code
		N	Normal	SSC	63		Call Park Remote Retrieval Code

(a) Service Code (SRV = SSC) (Continued)

- SID = 57 (Split Access)

[illegible]

(b) Service Code Appendix (SRV = SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	SERVICE CONTENTS
					1 ∩ 55	Not used
		N	Normal	SSCA	56	Guest/Administration Service
		H	Hooking			
		B	Busy			
					57 ∩ 133	Not used
		N	Normal	SSCA	134	Expanded Speed Calling; Entry
		N	Normal	SSCA	135	Expanded Speed Calling; Access
					136-255	Not used

(b) Service Code Appendix (SRV = SSCA) (Continued)

- SIDA = 56 (Guest/Administration Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA)	PATTERN NUMBER FOR AOSP COMMAND (PNO) 1 – 15	ADMIN./ GUEST (A/G) 0/1	SERVICE CONTENTS
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					

(c) Outgoing Call (Without Route Advance) (SRV = OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			

(d) Outgoing Call (With Route Advance) (SRV = OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (COUNT)	LOGICAL ROUTE NUMBER (LGRT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(e) Least Cost Routing Access Code (SRV = LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	LOGICAL ROUTE NUMBER (LGRT) 1 – 255	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(f) Register Sender Least Cost Routing Access Code (SRV = LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	LOGICAL ROUTE NUMBER (LGRT) 1 – 255	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					

(g) Office Termination Code (SRV = UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 – 5
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		

(h) Announcement Service-Single Announcement (SRV = ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 – 127
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		

(i) Announcement Service-Multiple Announcement (SRV = ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN) 1 – 125	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 – 125
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			

(j) Telephone Number (SRV = TELN)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	NUMBER OF NECESSARY DIGITS (NND) 1-24	REMARKS
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			

AGSPN: Assignment of Guest Special Access Code for NDM

1. General

This command assigns the numbering plan data for the Network Control Node (NCN). The data assigned in this command is written in the Network Data Memory (NDM) of the Network Control Node (NCN), updating the NDM at each Local Node (LN).

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), use this command for the Guest Special Access code. For the Administration Special Access code, use the ASPAN command.

Note: Hotel features are available in TN1 only. If the numbering plans are separated by tenants, the purpose for each tenant is completely separated. Administration station required of the guest room call must be allocated in TN1.

3. If the numbering plan for Administration and Guest is common (the ASYD command, SYS1, Index 160, b6 = 1), this command may be used to assign the Administration Special Access code as well.

3. Data Entry Instructions

TN: Tenant Number

ACC: Access Code [Maximum six Digits (0-9, *, #)]

CI: Connection Status Index

N: Normal
H: Hooking
B: Busy

SRV: Kind of Service

SSC=Service code
SSCA=Service code appendix
OGC=Outgoing call
OGCA=Outgoing call with route advance
LCR=Least cost routing
LCRS=Register sender LCR
UNIF=Office termination
ANNC=Announcement service
ANNCM=Announcement service-multiple announcement
TELN=Telephone Number

- ◆ When SRV=SSC (Service code), except SID2, 7, 19, 20, 36, 37, 38, 39, 56, 57, and 63 is assigned:

SID: Service Index [1-63]

SID	SERVICE NAME	SID	SERVICE NAME
5	Call Waiting - Originating	49	Automatic Wake-up; Cancel
14	Speed Calling - Station; Entry	52	Do Not Disturb; Entry
15	Speed Calling - System; Access	53	Do Not Disturb; Cancel
17	Individual Trunk Access	60	Attendant Manual Override
21	Speed Calling - Station, Group; Access	61	Call Park; Entry
43	Flash Signal Sending to Main office across CAS line	62	Call Park; Local Retrieve
48	Automatic Wake-up; Entry	63	Call Park Remote Retrieval Code

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	Number of digits for NND
15 (Speed Calling-System; Access)	Access Code (1-7)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit For Speed Calling [1-4]

NND1 appears when SID=15. The number of ADC (Abbreviation Digit Code) digits should be assigned in NND1.

- ◆ When SRV=SSC (Service code), SID2, 19, 20, 37, 38, or 39 is assigned:

SID: Service Index [1-63]

FPC: Fusion Point Code

FPC appears when the following SID is entered.

SID	SERVICE NAME	Number of FPC
2	Dial Access to Attendant (Operator Call)	1-253
7	Call Pickup-Group	1-253
19	OG Trunk Queuing; Entry	1-253
20	OG Trunk Queuing; Cancel	1-253
37	Priority Call 1	1-253
38	Priority Call 2	1-253
39	Priority Call 3	1-253

- ◆ When SRV=SSC (Service code), SID36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

1=To be cleaned without ID code
 2=Cleaning Completed without ID code
 3=Ready for Occupancy without ID code
 4=Use Not Allowed without ID code
 5-8=-
 9=Maid Dial Answer Back without ID code-1
 10=Maid Dial Answer Back without ID code-2
 11=Maid Dial Answer Back without ID code-3
 12=Maid Dial Answer Back without ID code-4
 13=Maid Dial Answer Back without ID code-5
 14=Maid Dial Answer Back without ID code-6
 15=Maid Dial Answer Back without ID code-7
 16=-
 17=To be cleaned with ID code
 18=Cleaning Completed with ID code
 19=Ready for Occupancy with ID code
 20=Use Not Allowed with ID code
 21-24=-
 25=Maid Dial Answer Back with ID code-1
 26=Maid Dial Answer Back with ID code-2
 27=Maid Dial Answer Back with ID code-3
 28=Maid Dial Answer Back with ID code-4
 29=Maid Dial Answer Back with ID code-5
 30=Maid Dial Answer Back with ID code-6
 31=Maid Dial Answer Back with ID code-7
 32=Access code for administration station call
 33=Automatic Wake Up Setting, Cancel; Same Special code
 34=For guest station Secretary Telephone; Boss/Secretary Calling
 35-43=-
 44=Direct Data Entry-Station (via guest station)
 45-50=-
 51=Same Special Code Time Zone Connection Change
 52=Same Special Code Time Zone Connection Change
 53=Same Special Code Time Zone Connection Change
 54=Same Special Code Time Zone Connection Change
 55=Same Special Code Time Zone Connection Change
 56-62=-
 63=Dummy Number

Note: STATE=1-15 are used at the time of Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.
 STATE=17-31 are used at the time of Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

- ◆ When SRV=SSC (Service code), SID56 (Floor Service) is assigned:

SID: Service Index [1-63]

SID=56

NO1: Kind Of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSC (Service code), SID57 (Split Access) is assigned:

SID: Service Index [1-63]

SID=57

NO2: Kind Of Assignment Number [0-63]

This parameter specifies the number (0-63) of the Access Code being assigned for mutual access. This parameter serves as a counter for the access codes being assigned.

Note: This parameter is used when assigning the details of the service by the ASPS command.

KIND: Kind Of Function [0-3]

This parameter specifies the Split Access Parameter Classification. The data to be assigned here depends on how the guest and administration stations are differentiated.

The guest and administration stations may be assigned to separate TNs, RSCs, and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

0=Administration/Guest (Assign this if the Access Code is to be shared between Guest and Administration with no correspondence to TN, RSC or SFC.)

1=TN (Assign this as the Access Code to be shared among specified TNs)

2=RSC (Assign this as the Access Code to be shared among specified RSCs)

3=SFC (Assign this as the Access Code to be shared among specified SFCs)

- ◆ When SRV=SSCA (Service code appendix), SIDA=56 (Guest/Administration Service) is assigned:

SIDA: Service Index A [1-255]

SIDA=56

PNO: Pattern Number For AOSP Command [1-15]

This parameter specifies the Administration/Guest Numbering Parameter Classification.

After assigning the PNO, go to the AOSP command to skip this ACC.

After skipping the Access Code, the system refers to the numbering data designated in the next parameter ADM/GST.

ADM/GST: Administration/Guest station

Numbering table designation for redevelopment.

- ◆ When SRV=SSCA (Service code appendix), SIDA 50, 51, or 63 is assigned:

SIDA: Service Index A [1-255]

SIDA	SERVICE NAME	SIDA	SERVICE NAME
1-49	-	56	Guest/Administration Service
50	UCD Busy Out; Entry	57-62	-
51	UCD Busy Out; Cancel	63	Call Pickup Expand
52-55		64-255	-

- ◆ When SRV= OGC (Outgoing call) is assigned:

LGRT: Logical Route Number [1-899]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

LGRT: Logical Route Number [1-899]

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

LGRT: Logical Route Number [1-899]

Assign a dummy route number.

2nd DT: Second Dial Tone [0/1]

Second Dial Tone sending (which is sent when a station has dialed the digits specified in NND of the AGNPN command)

0=Second DT is not sent

1=Second DT is sent

AH: Authorization Code [0/1]

Authorization code after dialing ACC (LCR) + Destination number

0=Out of service

1=In service

SUB: Sub Address Dialing [0/1]

ISDN-Sub Address Dialing

0=Out of service

1=In service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digits [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE command.

- ◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. EQP 3 and 5-14 can be used for SRV=AANC (Single announcement).

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN ANNC: Tenant Number

Assign the Tenant Number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range from 122 to 125 (Multi announcement).

- ◆ When SRV= PAGA (Paging answer)/PAGC (Paging cancel) is assigned:

LGRT: Logical Route Number [1-899]

- ◆ When SRV=TELN (Telephone Number) is assigned:

NND: Necessary Digits [1-16]

Note: This Telephone Number is available to make a call and receive a call within the Self Node only. If the Telephone Number is to be used within the FCCS Network, assign it at Network Control Node (NCN) using the ASPAN command.

4. Data Sheet

(a) Service Code (SRV = SSC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	NUMBER OF NECESSARY DIGIT FOR SPEED CALLING (NND1) 1 – 24	FUSION POINT CODE (FPC) 1-253	SERVICE CONTENTS
		H	Hooking	SSC	1				Not used
		N	Normal	SSC	2				Dial Access to Attendant (Operator Call)
		H	Hooking						
					3				Not used
					4				
		N	Normal	SSC	5				Call Waiting-Originating
		B	Busy						
					6				Not used
		N	Normal	SSC	7				Call Pickup-Group
					8				Not used
					13				
		N	Normal	SSC	14				Speed Calling-Station; Entry
		N	Normal	SSC	15				Speed Calling-System; Access
		N	Normal	SSC	16				TAS Answer
		N	Normal	SSC	17				Individual Trunk Access
					18				Not used
		B	Busy	SSC	19				OG Trunk Queueing: Entry
		N	Normal	SSC	20				OG Trunk Queueing: Cancel
		N	Normal	SSC	21				Speed Calling-Station, Group; Access
					22				Not used
					35				
		N	Normal	SSC	36				Hotel Service Note: Use the sheets on the next page for the ac- tual data entry.

(a) Service Code (SRV = SSC) (Continued)

SID = 36 (Hotel Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	1	To be cleaned without ID Code
						2	Cleaned without ID Code
						3	Ready for Occupancy without ID Code
						4	Use Not Allowed without ID Code
						5	Not used
						6	
						7	
						8	
						9	Maid Dial Answer Back without ID Code 1
						10	Maid Dial Answer Back without ID Code 2
						11	Maid Dial Answer Back without ID Code 3
						12	Maid Dial Answer Back without ID Code 4
						13	Maid Dial Answer Back without ID Code 5
						14	Maid Dial Answer Back without ID Code 6
						15	Maid Dial Answer Back without ID Code 7
						16	Not used
						17	To be cleaned with ID code
						18	Cleaned with ID Code
						19	Ready for Occupancy with ID Code
						20	Use Not Allowed with ID Code

(a) Service Code (SRV = SSC) (Continued)

SID = 36 (Hotel Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	21 22 24	Not used
						25	Maid Dial Answer Back with ID Code 1
						26	Maid Dial Answer Back with ID Code 2
						27	Maid Dial Answer Back with ID Code 3
						28	Maid Dial Answer Back with ID Code 4
						29	Maid Dial Answer Back with ID Code 5
						30	Maid Dial Answer Back with ID Code 6
						31	Maid Dial Answer Back with ID Code 7
						32	Not used
						33	Automatic Wake-Up Setting, Cancel; Same Special Code
						34	For guest station Secretary Telephone; Boss/Secretary
						35 36 43	Not used
						44	Direct Data Entry – STA
						45 46 50	Not used
						51	Same Special Code Time Zone Connection Change

(a) Service Code (SRV = SSC) (Continued)

SID = 36 (Hotel Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
		N	Normal	SSC	36	52	Same Special Code Time Zone Connection Change
						53	Same Special Code Time Zone Connection Change
						54	Same Special Code Time Zone Connection Change
						55	Same Special Code Time Zone Connection Change
						56	Not used
						62	
						63	Dummy Number

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	FUSION POINT CODE (FPC) 1-253	SERVICE CONTENTS
		N	Normal	SSC	37		Priority Call 1
		N	Normal	SSC	38		Priority Call 2
		N	Normal	SSC	39		Priority Call 3
					40		Not used
					41		Not used
					42		Not used
		H	Hooking	SSC	43		Flash Signal Sending (CAS – Main)
					44 ~ 47		Not used
		N	Normal	SSC	48		Automatic Wake Up; Entry
		N	Normal	SSC	49		Automatic Wake Up; Cancel
					50		Not used
					51		Not used
		N	Normal	SSC	52		Do not Disturb; Entry
		N	Normal	SSC	53		Do not Disturb; Cancel
					54		Not used
					55		
		N	Normal	SSC	56		Floor Service Note: Use the sheet on the next page for the actual data entry.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7 = 1 must have been assigned.

(a) Service Code (SRV = SSC) (Continued)

SID = 56 (Floor Service)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B	KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.1) 0 – 15	SERVICE CONTENTS
		N Normal	SSC	56	0	
		N Normal	SSC	56	1	
		N Normal	SSC	56	2	
		N Normal	SSC	56	3	
		N Normal	SSC	56	4	
		N Normal	SSC	56	5	
		N Normal	SSC	56	6	
		N Normal	SSC	56	7	
		N Normal	SSC	56	8	
		N Normal	SSC	56	9	
		N Normal	SSC	56	10	
		N Normal	SSC	56	11	
		N Normal	SSC	56	12	
		N Normal	SSC	56	13	
		N Normal	SSC	56	14	
		N Normal	SSC	56	15	

(a) Service Code (SRV = SSC) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
		N	Normal	SSC	57		Split Access (Same Number Access) Note: Use the sheet on the next page for the actual data entry.
					58 ~ 59		Not used
		N	Normal	SSC	60		Attendant Manual Override
		H	Hooking	SSC	61		Call Park Access Code
		N	Normal	SSC	62		Call Park Local Retrieval Code
		N	Normal	SSC	63		Call Park Remote Retrieval Code

(a) Service Code (SRV = SSC) (Continued)

SID = 57 (Split Access)

[illegible]

(b) Service Code Appendix (SRV = SSCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	SERVICE CONTENTS
					1 2 55	Not used
		N	Normal	SSCA	56	Guest/Administration Service
		H	Hooking			
		B	Busy			
					57 2 133	Not used
		N	Normal	SSCA	134	Expanded Speed Calling; Entry
		N	Normal	SSCA	135	Expanded Speed Calling; Access
					136-255	Not used

(b) Service Code Appendix (SRV = SSCA) (Continued)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H/B		KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA)	PATTERN NUMBER FOR AOSP COMMAND (PNO) 1 – 15	ADMIN./ GUEST (A/G) 0/1	SERVICE CONTENTS
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					
		N	Normal	SSCA	56			
		H	Hooking					
		B	Busy					

(c) Outgoing Call (Without Route Advance) (SRV = OGC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	LOGICAL ROUTE NUMBER (LGRT)	REMARKS
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			
		N	Normal	OGC		
		H	Hooking			

(d) Outgoing Call (With Route Advance) (SRV = OGCA)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX(CI) N/H		KIND OF SERVICE (SRV)	INDEX COUNTER (COUNT)	LOGICAL ROUTE NUMBER (LGRT)							
						1st	2nd	3rd	4th	5th	6th	7th	8th
						9th	10th	11th	12th	13th	14th	15th	
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										
		N	Normal	OGCA									
		H	Hooking										

(e) Least Cost Routing Access Code (SRV = LCR)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	LOGICAL ROUTE NUMBER (LGRT) 1 – 255	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					
		N	Normal	LCR				
		H	Hooking					

(f) Register Sender Least Cost Routing Access Code (SRV = LCRS)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	LOGICAL ROUTE NUMBER (LGRT) 1 – 255	SECOND DIAL TONE (2nd DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					
		N	Normal	LCRS				
		H	Hooking					

(g) Office Termination Code (SRV = UNIF)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	SKIP DIGIT (SKIP) 0 – 5
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		
		N	Normal	UNIF	
		H	Hooking		

(h) Announcement Service-Single Announcement (SRV = ANNC)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 – 127
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		
		N	Normal	ANNC	
		H	Hooking		

(i) Announcement Service-Multiple Announcement (SRV = ANNCM)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	ANNOUNCEMENT TENANT NUMBER (TN) 1 – 125	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 122 – 125
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			
		N	Normal	ANNCM		
		H	Hooking			

(j) Telephone Number (SRV = TELN)

TENANT NUMBER (TN)	ACCESS CODE (ACC) MAXIMUM 6 DIGITS	CONNECTION STATUS INDEX (CI) N/H		KIND OF SERVICE (SRV)	NECESSARY DIGITS (NND) 1-16	REMARKS
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			
		N	Normal	TELN		
		H	Hooking			

AGST: Assignment of Guest Station Data

1. General

This command assigns and deletes Guest Room Data.

2. Precautions

1. This command is used for the Hotel Application only.
2. The AGSN command changes the station number, and the AGCL command changes the Class data (TEC, RSC, SFC, etc.).
3. Only Telephone Equipment Classes (TECs) 5-8, 10, 12, 13, and 18 may be assigned guest station.
4. The number of digits for a station number are designated by the ASYD command, SYS1, Index 16.
5. The maximum number of digits for a station is 6.
6. The first digit of a station number is designated by the AGNP command.
7. The RSC and SFC data work in conjunction with ARSC/ASCR/ADNR and ASFC commands.

3. Data Entry Instructions

TN: Tenant Number

STN: Station number [Maximum six Digits]

Enter the station number. The number of STN digits is designated by the ASYD command, SYS1, Index 16.

LENS: Line Equipment Numbers [MG, U, G, LV]

TEC: Telephone Equipment Class [1-31]

1-4=Not used
5=DP (10 pps)
6=PB
7=DP/PB
8=DP (20 pps)
9=Not used
10=House Phone
11=Not used
12=Dterm
13=Data Terminal via Dterm
14-17=Not Used
18=Virtual Line Appearance (for Dterm Multi-Line)
19-31=Not Used

RSC: Route Restriction Class [0-15]

Enter the RSC defined by the ARSC command. Since RSC=0 is preserved for ATTCON, a station can use range from 1 to 15.

SFC: Service Feature Restriction Class [0-15]

Enter the SFC defined by the ASFC command. Since SFC=0 is preserved for ATTCON, a station can use the SFC range from 1 to 15.

ROOM CLASS: Room Class [0-15]

When Dterm is used for guest station, ROOM CLASS is fixed to “15.”

Example: 0=Single Room

1=Suite Room

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]

4. Data Sheet

[illegible]

AHSPL: Assignment of Hotel One-Touch Calling Service Data

1. General

This command assigns a station number that can be called using Hotel One-Touch Calling Service.

2. Precautions

1. This command is used for the Hotel Application only.
2. [DELETE] button can be used only if the registered data exists after read out.
3. [WRITE] button is displayed in disregard to if the registered data exists or not after read out.
4. If data in this command is common for all tenants (ASYDL/ASYDN command, SYS1, Index 802, b0=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number [1-63]

Day/Night: Day/Night

ANNEX: Annex [0-3]

0 = Main Building

1 = Annex 1

2 = Annex 2

3 = Annex 3

GROUND: Ground/Underground [0/1]

FLOOR: Floor Level [1-127]

NO: Hotel One-Touch Calling Service Key Number

DC: Dialing Number **Note 1**

Note 1: Dialing number registered to Hotel One-Touch Calling Service key. The registered dialing number is displayed by clicking [READ] button.

4. Data Sheet

[illegible]

AHSPN: Assignment of Hotel One-Touch Calling Service Data

1. General

This command assigns a station number that can be called using Hotel One-Touch Calling Service.

2. Precautions

1. This command is used for the Hotel Application only.
2. [DELETE] button can be used only if the registered data exists after read out.
3. [WRITE] button is displayed in disregard to if the registered data exists or not after read out.
4. If data in this command is common for all tenants (ASYDN command, SYS1, Index 802, b0=1), assign TN parameter as data “1” for all tenants.

3. Data Entry Instructions

TN: Tenant Number [1-63]

Day/Night: Day/Night

ANNEX: Annex [0-3]

0 = Main Building

1 = Annex 1

2 = Annex 2

3 = Annex 3

GROUND: Ground/Underground [0/1]

FLOOR: Floor Level [1-127]

NO: Hotel One-Touch Calling Service Key Number

DC: Dialing Number **Note 1**

Note 1: Dialing number registered to Hotel One-Touch Calling Service key. The registered dialing number is displayed by clicking [READ] button.

4. Data Sheet

[illegible]

AHSU: Assignment of Suite Room Station Number

1. General

When the system provides Suite Room Service and/or Double Suite Room Service, this command assigns a specific guest station as a suite room station.

2. Precautions

1. This command is used for the Hotel Application only.
2. Before assigning Suite Room Service or Double Suite Room Service, ensure the system data in AHSY command, Index=187, 188, 189 has been properly assigned.
3. The station to be assigned as a suite room station must have already been assigned as a guest room.
4. A phantom number can be assigned to the master guest station of a suite room.
5. Branch stations are not included in the number of suite room stations.
6. The master guest station of a suite room must be assigned without exception.

3. Data Entry Instructions

TN: Tenant Number

TYPE [0/1]

0=Single Suite Room

1=Double Suite Room **Note 1**

Note 1: When assigning Double Suite Room, Single Suite Room data assignment is necessary in advance.

STN: Station number

◆ When Type=0 (Single Suite Room):

PHANTOM: Phantom Number [Maximum six Digits]

When phantom number is not assigned, enter return key.

MASTER STN: Suite Room Master Station

SLAVE STN 1: Suite Room Slave Station 1

SLAVE STN 2: Suite Room Slave Station 2

SLAVE STN 3: Suite Room Slave Station 3

When slave number is not assigned, enter return key.

SPSUITE: Special Suite Room

0=Not Used

1=Special Suite Room **Note 2**

Note 2: Fixed to "0".

◆ When Type=1 (Double Suite Room):

MASTER STN 1:Master station number 1

Master station number of Master Suite Room.

MASTER STN 2:Master station number 2

Master station number of Slave Suite Room.

SPSUITE:Special Suite Room

0=Not Used

1=Special Suite Room **Note 3**

Note 3: Fixed to "0".

4. Data Sheet

- When TYPE = 0 (Single Suite Room)

[illegible]

- When TYPE = 1 (Double Suite Room)

[illegible]

AHSY: Assignment of Hotel System Parameter

1. General

This command assigns and displays the Hotel System parameters.

2. Precautions

1. This command is used for the Hotel Application only.
2. Data for Hotel System parameters should be entered using hexadecimal numbers.

3. QUICK REFERENCE TABLE FOR AHSY (Index 0-2047)

SYS1	INDEX 30s.	INDEX 70s.	INDEX 110s.	INDEX 150s.
INDEX 0-	30	70	110	150
0	31	71	111	151
1	32	72	112	152
2	33	73	113	153
3	34	74	114	154
4	35	75	115	155
5	36	76	116	156
6	37	77	117	157
7	38	78	118	158
8	39	79	119	159
9	INDEX 40s.	INDEX 80s.	INDEX 120s.	INDEX 160s.
INDEX 10s.	40	80	120	160
10	41	81	121	161
11	42	82	122	162
12	43	83	123	163
13	44	84	124	164
14	45	85	125	165
15	46	86	126	166
16	47	87	127	167
17	48	88	128	168
18	49	89	129	169
19	INDEX 50s.	INDEX 90s.	INDEX 130s.	INDEX 170s.
INDEX 20s.	50	90	130	170
20	51	91	131	171
21	52	92	132	172
22	53	93	133	173
23	54	94	134	174
24	55	95	135	175
25	56	96	136	176
26	57	97	137	177
27	58	98	138	178
28	59	99	139	179
29	INDEX 60s.	INDEX 100s.	INDEX 140s.	
	60	100	140	
	61	101	141	
	62	102	142	
	63	103	143	
	64	104	144	
	65	105	145	
	66	106	146	
	67	107	147	
	68	108	148	
	69	109	149	

INDEX 180s.- 190s.	INDEX 270s.	INDEX 310s.	INDEX 350s.	INDEX 390s.
180	270	310	350	390
181	271	311	351	391
182	272	312	352	392
183	273	313	353	393
184	274	314	354	394
185	275	315	355	395
186	276	316	356	396
187	277	317	357	397
188	278	318	358	398
189	279	319	359	399
190-199	INDEX 280s.	INDEX 320s.	INDEX 360s.	INDEX 400s.- 490s.
INDEX 200s.- 250s.	280	320	360	400
200-242	281	321	361	401
243	282	322	362	402
244	283	323	363	403
245	284	324	364	404
246	285	325	365	405
247	286	326	366	406-407
248-250	287	327	367	408
251	288	328	368	409-440
252	289	329	369	441
253-257	INDEX 290s.	INDEX 330s.	INDEX 370s.	442-448
258	290	330	370	449
259	291	331	371	450
INDEX 260s.	292	332	372-375	451-462
260	293	333	376	463
261	294	334	377	464
262	295	335	378	465
263	296	336	379	466-499
264	297	337	INDEX 380s.	INDEX 500s.- 2040s.
265	298	338	380	500-519
266	299	339	381	520
267	INDEX 300s.	INDEX 340s.	382	521-523
268	300	340	383	524
269	301	341	384	525-527
	302	342	385	528
	303	343	386	529
	304	344	387	530
	305	345	388	531
	306	346	389	532
	307	347		533
	308	348		534
	309	349		535
				536
				537-2047

4. Data Entry Instructions

Define each bit's corresponding data by referring to the Hotel SYSTEM DATA CONTENTS

INDEX (INDEX) 0-2047	DATA (DATA) 00-FF (HEX)	BIT CORRESPONDING DATA		HOTEL SYSTEM DATA CONTENTS
		DATA 0/1	BIT	
n	03	1	b ₀	xxx service 0/1=Not to be provided/To be provided
		1	b ₁	yyy service 0/1=Not to be provided/To be provided
		0	b ₂	Not used
		0	b ₃	Not used
		0	b ₄	Not used
		0	b ₅	Not used
		0	b ₆	Not used
		0	b ₇	Not used
n+1	FF			Number of zzz

DATA		DATA							
DATA	BIT	Convert from Binary DATA to Hexadecimal, and enter the HEX value at DATA text box.							
1	b ₀								
1	b ₁								
0	b ₂								
0	b ₃								
0	b ₄								
0	b ₅								
0	b ₆								
0	b ₇								
BIT		b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀
DATA		0	0	0	0	0	0	1	1
Hex		0				3			

5. Data Sheet

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS																																																																																																																																																																																																												
		DATA 0/1	BIT																																																																																																																																																																																																													
0	00			Not used																																																																																																																																																																																																												
1				For displaying the kind of language information, assign the data by 2 or 4 characters of ASCII code (Indexes 1 through 32). Note: Number of characters (4 characters/2 characters) of language information display is determined by the data assigned to Index 100, b2. When data is 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. ASCII Code Table <table><tr><th>HEX</th><th>Char</th><th>HEX</th><th>Char</th><th>HEX</th><th>Char</th><th>HEX</th><th>Char</th><th>HEX</th><th>Char</th><th>HEX</th><th>Char</th></tr><tr><td>20</td><td></td><td>30</td><td>0</td><td>40</td><td>@</td><td>50</td><td>P</td><td>60</td><td>`</td><td>70</td><td>p</td></tr><tr><td>21</td><td>!</td><td>31</td><td>1</td><td>41</td><td>A</td><td>51</td><td>Q</td><td>61</td><td>a</td><td>71</td><td>q</td></tr><tr><td>22</td><td>"</td><td>32</td><td>2</td><td>42</td><td>B</td><td>52</td><td>R</td><td>62</td><td>b</td><td>72</td><td>r</td></tr><tr><td>23</td><td>#</td><td>33</td><td>3</td><td>43</td><td>C</td><td>53</td><td>S</td><td>63</td><td>c</td><td>73</td><td>s</td></tr><tr><td>24</td><td>\$</td><td>34</td><td>4</td><td>44</td><td>D</td><td>54</td><td>T</td><td>64</td><td>d</td><td>74</td><td>t</td></tr><tr><td>25</td><td>%</td><td>35</td><td>5</td><td>45</td><td>E</td><td>55</td><td>U</td><td>65</td><td>e</td><td>75</td><td>u</td></tr><tr><td>26</td><td>&</td><td>36</td><td>6</td><td>46</td><td>F</td><td>56</td><td>V</td><td>66</td><td>f</td><td>76</td><td>v</td></tr><tr><td>27</td><td>‘</td><td>37</td><td>7</td><td>47</td><td>G</td><td>57</td><td>W</td><td>67</td><td>g</td><td>77</td><td>w</td></tr><tr><td>28</td><td>(</td><td>38</td><td>8</td><td>48</td><td>H</td><td>58</td><td>X</td><td>68</td><td>h</td><td>78</td><td>x</td></tr><tr><td>29</td><td>)</td><td>39</td><td>9</td><td>49</td><td>I</td><td>59</td><td>Y</td><td>69</td><td>i</td><td>79</td><td>y</td></tr><tr><td>2A</td><td>*</td><td>3A</td><td>:</td><td>4A</td><td>J</td><td>5A</td><td>Z</td><td>6A</td><td>j</td><td>7A</td><td>z</td></tr><tr><td>2B</td><td>+</td><td>3B</td><td>;</td><td>4B</td><td>K</td><td>5B</td><td>[</td><td>6B</td><td>k</td><td>7B</td><td></td></tr><tr><td>2C</td><td>,</td><td>3C</td><td><</td><td>4C</td><td>L</td><td>5C</td><td></td><td>6C</td><td>l</td><td>7C</td><td></td></tr><tr><td>2D</td><td>-</td><td>3D</td><td>=</td><td>4D</td><td>M</td><td>5D</td><td>]</td><td>6D</td><td>m</td><td>7D</td><td></td></tr><tr><td>2E</td><td>.</td><td>3E</td><td>></td><td>4E</td><td>N</td><td>5E</td><td></td><td>6E</td><td>n</td><td>7E</td><td></td></tr><tr><td>2F</td><td>/</td><td>3F</td><td>?</td><td>4F</td><td>O</td><td>5F</td><td>_</td><td>6F</td><td>o</td><td>7F</td><td></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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When displaying the language information by 4 characters (Index 100, b2 = 0)	When displaying the language information by 2 characters (Index 100, b2 = 1)
Language = 0: Index 1~4 (Assign 00 HEX) Language = 1: Index 5~8 Language = 2: Index 9~12 Language = 3: Index 13~16 Language = 4: Index 17~20 Language = 5: Index 21~24 Language = 6: Index 25~28 Language = 7: Index 29~32	Language = 0: Index 1 and 2 (Assign 00 HEX) Language = 1: Index 3 and 4 Language = 2: Index 5 and 6 Language = 3: Index 7 and 8 Language = 4: Index 9 and 10 Language = 5: Index 11 and 12 Language = 6: Index 13 and 14 Language = 7: Index 15 and 16 Language = 8: Index 17 and 18 Language = 9: Index 19 and 20 Language = 10: Index 21 and 22 Language = 11: Index 23 and 24 Language = 12: Index 25 and 26 Language = 13: Index 27 and 28 Language = 14: Index 29 and 30 Language = 15: Index 31 and 32

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
33				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
34				
35				
36				
37				
38				
39				
40				
41				
42				
43	00			Not used
44	00			Not used
45	00			Not used
46	00			Not used
47	00			Not used
48	00			Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
49				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
50				
51				
52				
53				
54				
55	00			Not used
56	00			Not used
57				For information display at the time of Departure Day, assign the related data by two characters of ASCII code. Departure Day - Index 57-58 Dep. Day-Cleaning - Index 59-60 Dep. Day-Inspection - Index 61-62
58				
59				
60				
61				
62				
63	00			Not used
64	00			Not used
65			b ₀	PMS Interface Dial Digits 0/1 = 16 digits/32 digits
			b ₁ -b ₂	The number of No Answer Retry for Group Announcement 00=No retry 01=Once 10=Twice 11=Three times
			b ₃ -b ₄	The number of Retry when Group Announcement encounters busy status. 00=Three times 01=Twice 10=Once 11=No retry
			b ₅ -b ₇	Retry Time for Group Announcement <u>b7</u> <u>b6</u> <u>b5</u> 0 0 0 = 3 minutes <u>b7</u> <u>b6</u> <u>b5</u> 1 0 0 = 4 minutes 0 0 1 = 1 minute 1 0 1 = 5 minutes 0 1 0 = 2 minutes 1 1 0 = 6 minutes 0 1 1 = 3 minutes 1 1 1 = 7 minutes
66	00			Not used
67	00			Not used
68		0	b ₀ -b ₃	Not used
			b ₄	Accommodation of Multi Line for Desktop terminal in suite room 0/1 = In service/Out of service
		0	b ₅ -b ₇	Not used
69	00			Not used
70	00			Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
71		0	b ₀	Not used
			b ₁	Cancel the Inter Digit Timer when PC Attendant Console originates a trunk call. 0/1 = Out of service/In service
			b ₂	Warning Tone is sent out when PC Attendant Console calls VIP Guest Room. 0/1 = Out of service/In service
			b ₃	PB Tone sending from PC Attendant Console 0/1 = Out of service/In service
			b ₄	Indication of Guest Room Number on PC Attendant Console LCD. 0/1 = Master station number/Individual station number
		0	b ₅ -b ₇	Not used
72	00			Not used
73		0	b ₀ -b ₄	Not used
			b ₅	Reset Call service with PC Attendant Console 0/1 = Out of service/In service
			b ₆	Call Control service with PC Attendant Console 0/1 = Out of service/In service
			b ₇	Two-line indication on LCD for PC Attendant Console 0/1 = Out of service/In service
74	00			Not used
75	00			Not used
76	00			Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
77			b ₀	LCD Indication of Wake Up time on the Desktop terminal 0/1 =-/Remains lit
			b ₁	LCD Indication of “DND” (Do Not Disturb) on the Desktop terminal 0/1 =-/Remains lit
			b ₂	LCD Indication of “RC” (Room Cut Off) on the Desktop terminal 0/1 =-/Remains lit
			b ₃	LCD Indication of Second Wake Up time on the Desktop terminal 0/1 =-/Remains lit
			b ₄ -b ₇	Not used
78	00			Not used
79	00			Not used
80		Note 1	b ₇	Wakeup Set Note 2
81		Note 1	b ₇	Wakeup Reset Note 2
82		Note 1	b ₇	Do Not Disturb Set Note 2
83		Note 1	b ₇	Do Not Disturb Reset Note 2
84		Note 1	b ₇	Room Cut off Set Note 2
85		Note 1	b ₇	Room Cut off Reset Note 2
86		Note 1	b ₇	Message Waiting Set Note 2
87		Note 1	b ₇	Message Waiting Reset Note 2
88		Note 1	b ₇	Check In Note 2
89		Note 1	b ₇	Checkout Note 2
90		Note 1	b ₇	Status Note 2
91		Note 1	b ₇	Audit Note 2
92		Note 1	b ₇	(Reserved)
93		Note 1	b ₇	(Reserved)
94		Note 1	b ₇	(Reserved)
95		Note 1	b ₇	(Reserved)
96		Note 1	b ₇	(Reserved)
97		Note 1	b ₇	ENT Note 2
98		Note 1	b ₇	CE Note 2
99		Note 1	b ₇	END Note 2

Note 1: Use b7 to allow the Function key feature. 0/1 = Not Available/Available. Use b6 through b0 to assign the Key Number. These assignments are valid when AHSY, Index 109, b6 = 1.

Note 2: This Parameter Index is not currently used.

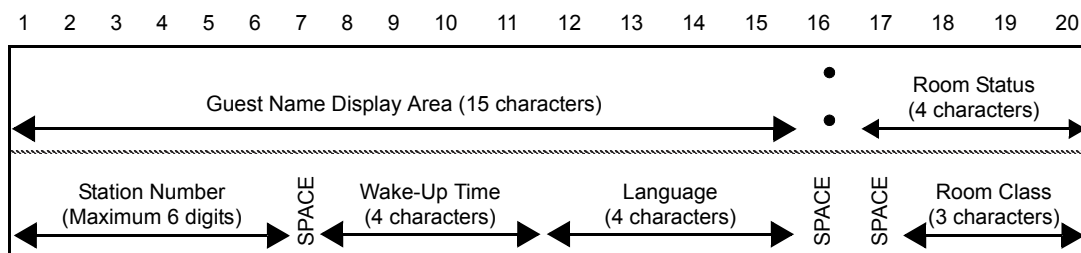
INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
100			b ₀	Number of times of Wake-Up Answer Retry. b ₁ b ₀ 0 0 = No Answer Retry 0 times 0 1 = No Answer Retry 1 time 1 0 = No Answer Retry 2 times 1 1 = No Answer Retry 3 times
			b ₁	
			b ₂	Number of characters in language information display 0/1 = 4 characters/2 characters
			b ₃	Restriction for hooking when a guest station has originated an outgoing C.O. line call. 0/1 = Required/Not Required Note: This data is valid only when a guest station originates a call to C.O. line directly. (This data is not applied to the C.O. call origination via Attendant.)
			b ₄	Type of station for Overtime Call <Overtime Call Indication of console (ASYD, SYS1, Index 163, Bit 3 = 0)>
			b ₅	b ₅ b ₄ 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)>
			b ₆	Overtime Call when a station user places a C.O. trunk call 0 = Administration & Gst. go to Attendant Console 1 = Gst. only goes to Attendant Console
			b 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

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS		
		DATA 0/1	BIT			
101			b ₀	LANG = 0	Incoming calls terminating to the Attendant Console from a guest station of the language category correspond to each bit. The key to which the call terminates: 0: GST1 key 1: GST2 key Language data is assigned to each guest station based on information from the PMS.	
			b ₁	LANG = 1		
			b ₂	LANG = 2		
			b ₃	LANG = 3		
			b ₄	LANG = 4		
			b ₅	LANG = 5		
			b ₆	LANG = 6		
			b ₇	LANG = 7		
102			b ₀	LANG = 8	When an incoming call terminates to the Attendant 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 Language data is assigned on each guest station basis as per the information from the PMS.	
			b ₁	LANG = 9		
			b ₂	LANG = 10		
			b ₃	LANG = 11		
			b ₄	LANG = 12		
			b ₅	LANG = 13		
			b ₆	LANG = 14		
			b ₇	LANG = 15		
103				Tenant Number of Paging Console (2~63/255 = 02~FF HEX)		
104			b ₀	Miscellaneous Timer Counter (MTC) is to be assigned a value from 0 HEX to F HEX (0-15).	Paging Console Automatic Recall Timer: Timer Value Setting is MTC × TC seconds. Note: When this data is 00 HEX, ROM data is automatically set to 3 minutes	
			b ₁			
			b ₂			
			b ₃			
			b ₄	Timer Class (TC) is to be assigned one of the following values: b ₆ b ₅ b ₄ b ₆ b ₅ b ₄ 0 0 0 = - 1 0 0 = 64 sec. 0 0 1 = 8 sec. 1 0 1 = - 0 1 0 = 16 sec. 1 1 0 = - 0 1 1 = 32 sec. 1 1 1 = -		
			b ₅			
			b ₆			
				b ₇		Paging Console Automatic Recall Timer value 0/1 = Ineffective/Effective

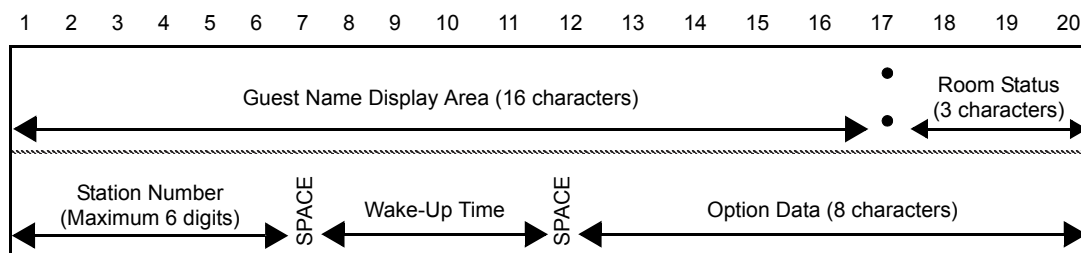
INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
105		0	b ₀	Not used
			b ₁	Masking of Guest Name Display on Desktop terminal 0/1 = Out of service/In service Note: When a letter * is assigned for the 1st character of the Guest Name, the display shows 16 letters of * as *****.
			b ₂	Maid Dial service from Attendant Console 0/1 = Not Required/Required
			b ₃	Office Name Display on Attendant Console assigned at AOFC command or ASYD command SYS1, Index 96 through 115. 0/1 = In service /Out of service
			b ₄	Pattern of Wake-Up Time Indication on the Attendant Console 0/1 = 24-Hour/12-Hour System
		0	b ₅	Not used
			b ₆	Secretarial Service-Suite Room Entry 0/1 = Primary Station/Individual Station
			b ₇	Guest Name Display on Attendant Console 0/1 = Interface Type Model 60, 90, 120/Model 90, 120

— AHSY Index 105 b7 —

Display Pattern A: b7 = 0 (For Interface Type Model 60/90/120)



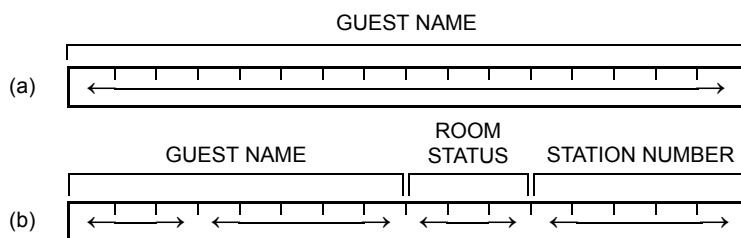
Display Pattern B: b7 = 1 (For Interface Type Model 90/120)



INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
106				Tenant Information of Attendant Console Assign the Tenant Number with a range of 02 - FF HEX.
107			b ₀	Display Pattern for termination
			b ₁	$\begin{array}{cc} b_1 & b_0 \\ 0 & 0 \\ 0 & 1 \end{array} = \text{Pattern 1} \quad \begin{array}{cc} b_1 & b_0 \\ 1 & 0 \\ 1 & 1 \end{array} = \text{Pattern 3}$
			b ₂	Display Pattern for call origination
			b ₃	$\begin{array}{cc} b_3 & b_2 \\ 0 & 0 \\ 1 & 1 \end{array} = \text{Pattern 4} \quad \begin{array}{cc} b_3 & b_2 \\ 0 & 1 \\ 1 & 0 \end{array} = \text{Pattern 5} \quad \begin{array}{cc} b_3 & b_2 \\ 1 & 1 \end{array} = \text{Pattern 6}$
			b ₄	Display Pattern for answering a call, or the caller answers a call originated by Desktop terminal.
			b ₅	$\begin{array}{cc} b_5 & b_4 \\ 0 & 0 \\ 0 & 1 \end{array} = \text{Pattern 7} \quad \begin{array}{cc} b_5 & b_4 \\ 0 & 1 \\ 1 & 1 \end{array} = \text{Pattern 8} \quad \begin{array}{cc} b_5 & b_4 \\ 1 & 1 \end{array} = \text{Pattern 9}$
			b ₆	Tenant of Desktop terminal that displays Guest Name 0/1 = All Tenants/Only Tenant No. 1
			b ₇	Guest Name Display on Desktop terminal 1: Display pattern is determined as per the contents of b ₀ through b ₆ Option A and B 0: VIP and LANG

Note 3

Display Pattern when “0” is assigned in b7



Guest Name is displayed first: (pattern (a)) and after a predetermined timing the pattern is automatically changed to pattern (b).

Note 3: b7 = 0: When PMS model 60/90/120.
b7 = 1: When PMS model 90, 120.

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
108			b ₀	Display Change Timer for the Display Pattern of the Answering station (assigned Index 107 b ₄ and b ₅)
			b ₁	
			b ₂	
			b ₃	0 HEX: Standard Timer Value = 8 to 10 seconds 1 HEX ~ F HEX: Timer Value = (1-15) × 1 seconds
			b ₄	Display Change Timer for the Display Pattern of the Originating station (assigned Index 107 b ₃ and b ₂)
			b ₅	
			b ₆	
			b ₇	0 HEX: Standard Timer Value = 2-4 seconds 1 HEX ~ F HEX: Timer Value = (1-15) × 1 seconds
109		0	b ₀	Not used
			b ₁	Charging Method of Attendant Console (If No. 7 CCIS service is provided, "1" must be assigned) 0 = 9 + Trunk Number 1 = Specific Attendant Number
			b ₂	When Administration or GST STA dials the unused number of the Dead level number 0/1 =-/The call is transferred to the Hotel Console automatically
		0	b ₃	Not used
			b ₄	Emergency Call Monitor 0/1 = Out of service/In service
			b ₅	Busy Status Display- Hotel Attendant Console 0/1 = Out of service/In service
			b ₆	Front Desk Terminal (FDT) Function keys 0/1 = Fixed/Flexible Note: This bit is not currently used.
		0	b ₇	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
110			b ₀	Room key Interface 0: Interface is absent (STAY/OUT is displayed) 1: Interface is present (Key status is displayed)
			b ₁	Attendant Console Guest Information Service 0/1 = Not Required/Required
		0	b ₂	Not used
			b ₃	Called Number Display on the Attendant Console 0/1 = Out of service/In service
		0	b ₄ -b ₆	Not used
			b ₇	Guest Name Display- D, Guest Information Display- D/PMS Terminal Model 120 0/1 = Out of service/In service
111		0	b ₀	Fixed Data
		0	b ₁	
			b ₂	Restriction for hooking when an outgoing C.O. line call has originated from a suite room 0/1 = Restriction/No Restriction Note: When this bit is assigned to 1, hooking operation is available only for Suite Room stations even if AHSY, Index 100, b3=1 (Hooking is restricted when a guest station originates an outgoing C.O. line call) is assigned.
			b ₃	Setting of Message Registration (Billing) Data to be sent out to the PMS (Effective when Index 111, b6 = 1.) b ₄ b ₃
			b ₄	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 out.
		0	b ₅	Fixed Data Note: Fixed to 0.
			b ₆	Connecting Room PMS Interface 0/1 = Master Room and Sub Room/Master Room only
			b ₇	Connecting Room 0/1 = Out of service/In service

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
112	00	0	b ₀ -b ₄	Not used
			b ₅	Wake-Up - Head Start Operation 0/1 = Out of service/In service
		0	b ₆	Not used
		0	b ₇	
113	00			Not used
114		0	b ₀ -b ₄	Not used
			b ₅	Hotel Console key designation 0/1 = Depending on SYS-1, Index 160, b3 and 4 (ASYD)/PI 115-126 (AHSY)
		0	b ₆	Not used
			b ₇	Consecutive Dialing from Attendant Console (for service such as VMM) 0/1 = Not Required/Required If “1” (Required) is assigned, switch settings for the ATI card are necessary.

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
115				Attendant Console Key Data 7 8 9 10 11 12 INDEX 121 122 123 124 125 126 Operation key 1 2 3 4 5 6 INDEX 115 116 117 118 119 120 Operation key ENT CE END 81H --- WU SET 92H --- CHECK OUT 82H --- WU RESET 93H --- --- 83H --- MW SET 94H --- --- 84H --- MW RESET 95H --- C.O. CHANGE 85H --- DD SET 96H --- BOSS/SEC 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 DND RESET 8FH --- --- A0H --- GRP RESTRICTION SET 90H --- --- A1H --- GRP RESTRICTION RESE 91H --- CHECK IN AFH --- GRSC SET
116				
117				
118				
119				
120				
121				
122				
123				
124				
125				
126				
127	00			
128	00			
129	00			
130	00			
131	00			
132	00			
133	00			
134	00			
135	00			
136	00			
137	00			
138	00			

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
139		0	b ₀	Not used
		0	b ₁	
			b ₂	MW Lamp Indication of “Do Not Disturb” 0/1 = Lights Steadily/Flashes
			b ₃	MW Lamp Indication of “Do Not Disturb” 0/1 - Not Required/Required
			b ₄	MW Lamp Indication of “Message Waiting” 0/1 = Lights Steadily/Flashes
			b ₅	MW Lamp Indication of “Message Waiting” 0/1 = Required/Not Required
			b ₆	2-Line Guest Name Display on a Desktop terminal 0/1 = Out of service/In service
		0	b ₇	Not used
140	00			Not used
141	00			Not used
142		0	b ₀ -b ₃	Not used
			b ₄	Wake-Up Call “Busy” Condition: Transfer to Attendant
			b ₅	Wake-Up Call “Don’t Answer” Condition: Transfer to Attendant
			b ₆	Wake-Up Call “Block” Condition: Transfer to Attendant
			b ₇	Wake-Up Call “Busy/Block” Condition: Transfer to Attendant
143		0	b ₀ -b ₂	Not used
			b ₃	ISDN Call Rate Display Service 0/1 = Out of service/In service
			b ₄	Can Maid status be changed on a vacant room 0/1 = No/Yes
		0	b ₅ -b ₇	Not used

INDEX (0-2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
144		0	b ₀ -b ₃	Not used
			b ₄	Automatic cancellation of Message Waiting [M-6] for the previous room after room change 0/1 = Out of service/In service
			b ₅	Automatic cancellation of Do Not Disturb [D-11] for the previous room after room change 0/1 = Out of service/In service
			b ₆	Automatic cancellation of Automatic Wake-Up [A-10/A-27] for the previous room after room change 0/1 = Out of service/In service
			b ₇	Automatic cancellation of 2nd Wake-up Call - Same Guest Station [S-128] for the previous room after room change 0/1 = Out of service/In service
145	00			Not used
146			b ₀	Do Not Disturb [D-11] cancellation on FAX lines in a suite room 0/1 = Invalid/Valid
			b ₁	Room Cutoff [R-9] cancellation on FAX lines in a suite room 0/1 = Invalid/Valid
		0	b ₂ -b ₇	Not used
147		0	b ₀ -b ₃	Not used
			b ₄	Emergency Call through PMS 0/1 = Out of service/In service
		0	b ₅ -b ₇	Not used
148	00			Not used
149			b ₀	Hotel service in CCIS No. 7 0/1 = Out of service/In service
		0	b ₁ -b ₇	Not used
150			b ₀	$\begin{array}{ccc} b_2 & b_1 & b_0 \\ 0 & 0 & 0 = - \\ 0 & 0 & 1 = - \\ 0 & 1 & 0 = \text{Model 60} \\ 0 & 1 & 1 = \text{Model 90} \end{array}$
			b ₁	$\begin{array}{ccc} b_2 & b_1 & b_0 \\ 1 & 0 & 0 = \text{Model 120} \\ 1 & 0 & 1 = - \\ 1 & 1 & 0 = - \\ 1 & 1 & 1 = - \end{array}$
			b ₂	
			b ₃ -b ₇	Not used
		0	b ₃ -b ₇	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
151	00			Not used
152	00			
153	00			
154	00			
155	00			
156	00			
157	00			
158	00			
159	00			
160	00			
161	00			
162	00			
163			b ₀	Second Wake-Up Call Service 0/1 = Out of service/In service
			b ₁	Second Wake-Up Call Timer Indication on Hotel Console 0/1 = Out of service/In service
			b ₂	Second Wake-Up Call Cancel while Hotel Console is connected to the target station 0/1 = Out of service/In service
		0	b ₃	Not used
			b ₄	The number of calls for Automatic Wake-Up at the same time (per LP) $\begin{array}{cc} \overline{b_5} & \overline{b_4} \\ 0 & 0 = 512 \text{ Calls} & \overline{b_5} & \overline{b_4} \\ 0 & 1 = 64 \text{ Calls} & 1 & 0 = 128 \text{ Calls} \\ & & 1 & 1 = 256 \text{ Calls} \end{array}$
			b ₅	
			b ₆	The number or Retry when a Wake-Up Call encounters busy status. $\begin{array}{cc} \overline{b_7} & \overline{b_6} \\ 0 & 0 = 3 \text{ times} & \overline{b_7} & \overline{b_6} \\ 0 & 1 = \text{Twice} & 1 & 0 = \text{Once} \\ & & 1 & 1 = \text{No Retry} \end{array}$
			b ₇	
164	00			Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
165			b ₀	EQP Type for Maid Status (0~15) [0: EQP16 1~F: EQP1~EQP15
			b ₁	
			b ₂	
			b ₃	
			b ₄	Tone Type when Maid Status “To be cleaned” has been set: 0/1 = Tone designated in ASYD (SYS-1 Index 163, b ₅ , b ₆)/SST
			b ₅	Tone Type when Maid Status “Cleaned” has been set: 0/1 = Tone designated in ASYD (SYS-1 Index 163, b ₅ , b ₆)/SST
			b ₆	Tone Type when Maid Status “Ready for Occupancy” has been set: 0/1 = Tone designated in ASYD (SYS-1 Index 163, b ₅ , b ₆)/SST
		0	b ₇	Not used
166			b ₀	TN = 2
			b ₁	TN = 3
			b ₂	TN = 4
			b ₃	TN = 5
			b ₄	TN = 6
			b ₅	TN = 7
		0	b ₆	Whether “C.O. Incoming Call Answer Station Manual Change” service is provided or not is set on the basis of each TN (Tenant) corresponding to each bit. 0/1 = Out of service/In service
		0	b ₇	
167	00			Not used
168	00			Not used
169	00			Not used
170	00			Not used
171	00			Not used
172	00			Not used
173	00			Not used
174	00			Not used
175	00			Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
176			b ₀	The first Digit Code (DC) of station number with different number of digits is 1.	Busy Lamp Field (BLF) Service 0/1 = Out/In service Example: 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
			b ₁	The first Digit Code (DC) of station number with different number of digits is 2.	
			b ₂	The first Digit Code (DC) of station number with different number of digits is 3.	
			b ₃	The first Digit Code (DC) of station number with different number of digits is 4.	
			b ₄	The first Digit Code (DC) of station number with different number of digits is 5.	
			b ₅	The first Digit Code (DC) of station number with different number of digits is 6.	
			b ₆	The first Digit Code (DC) of station number with different number of digits is 7.	
			b ₇	The first Digit Code (DC) of station number with different number of digits is 8.	
177			b ₀	The first Digit Code (DC) of station number with different number of digits is 9.	
			b ₁	The first Digit Code (DC) of station number with different number of digits is 0.	
			b ₂	The first Digit Code (DC) of station number with different number of digits is *.	
			b ₃	The first Digit Code (DC) of station number with different number of digits is #.	
		0	b ₄ -b ₇	Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS																																																																																			
		DATA 0/1	BIT																																																																																				
178			b ₀	The second Digit Code (DC) of station number with different number of digits is 1.	Busy Lamp Field (BLF) Service 0/1 = Out/In service Example: 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																																																																																		
			b ₁	The second Digit Code (DC) of station number with different number of digits is 2.																																																																																			
			b ₂	The second Digit Code (DC) of station number with different number of digits is 3.																																																																																			
			b ₃	The second Digit Code (DC) of station number with different number of digits is 4.																																																																																			
			b ₄	The second Digit Code (DC) of station number with different number of digits is 5.																																																																																			
			b ₅	The second Digit Code (DC) of station number with different number of digits is 6.																																																																																			
			b ₆	The second Digit Code (DC) of station number with different number of digits is 7.																																																																																			
			b ₇	The second Digit Code (DC) of station number with different number of digits is 8.																																																																																			
179			b ₀	The second Digit Code (DC) of station number with different number of digits is 9.																																																																																			
			b ₁	The second Digit Code (DC) of station number with different number of digits is 0.																																																																																			
			b ₂	The second Digit Code (DC) of station number with different number of digits is *.																																																																																			
			b ₃	The second Digit Code (DC) of station number with different number of digits is #.																																																																																			
			b ₄	Designation of Guest Access Code			<table><tr><th>b₇</th><th>b₆</th><th>b₅</th><th>b₄</th><th>ACC - CODE</th><th>b₇</th><th>b₆</th><th>b₅</th><th>b₄</th><th>ACC - CODE</th></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>Out of service</td><td>0</td><td>1</td><td>1</td><td>1</td><td>7</td></tr><tr><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>8</td></tr><tr><td>0</td><td>0</td><td>1</td><td>0</td><td>2</td><td>1</td><td>0</td><td>0</td><td>1</td><td>9</td></tr><tr><td>0</td><td>0</td><td>1</td><td>1</td><td>3</td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td></tr><tr><td>0</td><td>1</td><td>0</td><td>0</td><td>4</td><td>1</td><td>0</td><td>1</td><td>1</td><td>*</td></tr><tr><td>0</td><td>1</td><td>0</td><td>1</td><td>5</td><td>1</td><td>1</td><td>0</td><td>0</td><td>#</td></tr><tr><td>0</td><td>1</td><td>1</td><td>0</td><td>6</td><td></td><td></td><td></td><td></td><td></td></tr></table>	b ₇	b ₆	b ₅	b ₄	ACC - CODE	b ₇	b ₆	b ₅	b ₄	ACC - CODE	0	0	0	0	Out of service	0	1	1	1	7	0	0	0	1	1	1	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					
		b ₇	b ₆	b ₅	b ₄	ACC - CODE		b ₇	b ₆	b ₅	b ₄	ACC - CODE																																																																											
		0	0	0	0	Out of service		0	1	1	1	7																																																																											
		0	0	0	1	1		1	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	#																																																																											
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	b ₇																																																																																						

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
180	00			Not used
181	00			Not used
182		0	b ₀	Not used
			b ₁	Called # printout (Alert Service) 0/1 = No/Yes
			b 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
			b ₃	STA # Answers = Printout 0/1 = No/Yes
			b 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
		0	b ₅ -b ₇	Not used
183			b ₀	Setting of Attendant Console that sets Alert Service 0 HEX: Service can be set from any of the Attendant Consoles 1 - F HEX: Service can be set only from the Attendant Console of the designated Console Number
			b ₁	
			b ₂	
			b ₃	
			b ₄	Classifying the call termination indicating keys based on the Language category of the guest at the time an incoming call from the guest station terminated to the Attendant Console. 0/1 = Not Required/Required
		0	b ₅	Not used
			b ₆	In the case of "All Event No Printout," the Hotel printer prints out only the information pertaining to outgoing calls. 0/1 = Out of service/In Service (The outgoing call data is assigned by Indexes 360 through 367.)
		0	b ₇	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
184		0	b ₀ -b ₅	Not used
			b ₆	Processing for “No Answer” at the Attendant Console in the case where Auto- matic Wake-Up Attendant - Assistance service is provided.
			b ₇	b ₇ b ₆ 0 0 : Changeover to Automatic Wake-Up 0 1 : No processing for “No Answer” 1 0 : Call termination to Attendant Console is canceled. 1 1 : All Wake-Up calls are terminated to the Attendant Console (including Automatic Wake-Up Call).
185		0	b ₀	Not used
			b ₁	Guest Room Calling - Attendant Console Service 0/1 = Out of service/In service
		0	b ₂ -b ₇	Not used
186		0	b ₀ -b ₄	Not used
			b ₅	Guest Name Display after checking out 0/1 = In service/Out of service
		0	b ₆	Not used
			b ₇	Double Suite Room Service 0/1 = Out of service/In service
187		0	b ₀	Not used
		0	b ₁	
			b ₂	Processing for the case where there is any busy station among the Suite Room stations generally called by Suite Room Calling - Attendant Console service 0/1 = Sending Busy Tone/Idle Station Calling
		0	b ₃ -b ₇	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
188			b ₀	Processing for Suite Room Station/Connecting Room Station Busy
			b ₁ b ₀	
				0 0 : Busy Tone
			b ₁	0 1 : An idle station within the room is called
				1 0 : From a station, the call is transferred to the Attendant Console if the caller is not the console operator.
		0	b ₂	Fixed Data
		0	b ₃	Note: Both fixed to 0.
		0	b ₄	Not used
189			b ₅	When a call terminates to the Double Suite Room: 0/1 = All stations ring simultaneously/Alternately between Master Suite and Slave Suite
		1	b ₆	Fixed Data Note: Fixed to 1.
			b ₇	Suite Room Service 0/1 = Out of service/In service
		0	b ₀ -b ₄	Not used
			b 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.
			b 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 1 Note:1 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.
			b 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

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS															
		DATA 0/1	BIT																
190-242	00			Not used															
243			b ₀	SO: Outgoing Station Call Restriction															
			b ₁																
			b ₂																
			b ₃																
			b ₄	SI: Incoming Station Call Restriction															
			b ₅																
			b ₆																
			b ₇																
244			b ₀	SOI: Outgoing/Incoming Station Call Restriction															
			b ₁																
			b ₂																
			b ₃																
			b ₄	OG: Outgoing Call Restriction															
			b ₅																
			b ₆	IC: Incoming Call Restriction <table><tr><td>b₇</td><td>b₆</td><td></td></tr><tr><td>0</td><td>0</td><td>ROT</td></tr><tr><td>0</td><td>1</td><td>ATT</td></tr><tr><td>1</td><td>0</td><td>Announcement</td></tr><tr><td>1</td><td>1</td><td>Specified Station Call</td></tr></table>	b ₇	b ₆		0	0	ROT	0	1	ATT	1	0	Announcement	1	1	Specified Station Call
			b ₇		b ₆														
		0	0	ROT															
		0	1	ATT															
1	0	Announcement																	
1	1	Specified Station Call																	
	b ₇																		
245	00			Not used															
246			b ₀	CO: Outgoing central office Call Restriction															
			b ₁																
			b ₂																
			b ₃																
			b ₄	CI: Incoming central office Call Restriction															
			b ₅																
			b ₆																
			b ₇																
247			b ₀	COI: Outgoing/Incoming central office Call Restriction															
			b ₁																
			b ₂																
			b ₃																
		0	b ₄ -b ₆	Not used															
			b ₇	SV: 0/1 = Service Out/In															
248-250	00			Not used															

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
251			b ₀	Number of Retry for Emergency Call 00 = No Retry 01 = Once 10 = Twice 11 = Three times
			b ₁	
			b ₂	Retry Timer for Emergency Call 00 = Three minutes 01 = One minute 10 = Two minutes 11 = Three minutes
			b ₃	
		0	b ₄	Not used
			b ₅	Disconnect the speech by Emergency Call 0/1 = Out of service/In service
		0	b ₆ -b ₇	Not used
252			b ₀	Room Key Information 0/1 = Key Rack Type/Card Rack Type
		0	b ₁ -b ₃	Not used
			b ₄	Message Waiting can be canceled at any terminal (PMS terminal, ATTCN, Front Desk Terminal, etc.) regardless of which terminal the service is set on. 0/1 = Invalid/Valid
		0	b ₅ -b ₇	Not used
253-257	00			Not used
258		0	b ₀	Not used
			b ₁	Maid Status - Cleaning Start via guest station (Feature Code = 11, Function Code = 1)
			b ₂	Maid Status - Cleaning End via guest station (Feature Code = 11, Function Code = 2)
			b ₃	Maid Status - Inspection End via guest station (Feature Code = 11, Function Code = 3)
		0	b ₄ -b ₇	Not used
259				Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
260		0	b ₀	Not used	
			b ₁	Maid Status - Cleaning Start via Special Administration station (Feature Code = 12, Function Code = 1)	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₂	Maid Status - Cleaning End via Special Administration station (Feature Code = 12, Function Code = 2)	
			b ₃	Maid Status - Inspection End via Special Administration station (Feature Code = 12, Function Code = 3)	
		0	b ₄ -b ₇	Not used	
261	00			Not used	
262		0	b ₀ -b ₂	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₃	Message Waiting Lamp - On (Feature Code = 13, Function Code = 3)	
			b ₄	Message Waiting Lamp - Off (Feature Code = 13, Function Code = 4)	
		0	b ₅ -b ₇	Not used	
263	00			Not used	
264		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS
		0	b ₁		
			b ₂	Call Detail Data (Feature Code = 14, Function Code = 2)	0/1 = In service/Out of service When the text is not to be sent to PMS, “1” assigned to the corresponding bit.
		0	b ₃ -b ₇	Not used	
265	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS		
		DATA 0/1	BIT			
266		0	b ₀	Not used	Sending a Service Feature Text (Information) to PMS. 0/1 = In service/Out ser- vice When the text is not to be sent to PMS, “1” assigned to the corresponding bit.	
		0	b ₁			
			b ₂	Room Cutoff and Do Not Disturb (Feature Code = 15, Function Code = 2)		
		0	b ₃ -b ₇	Not used		
267	00			Not used		
268		0	b ₀ -b ₃	Not used		
			b ₄	Checkout - C.O. line Outgoing Call Report (Feature Code = 16, Function Code = 5)		
			b ₅	Checkout - Message Off Report (Feature Code = 16, Function Code = 6)		
			b ₆	Checkout - Message On Report (Feature Code = 16, Function Code = 6)		
		0	b ₇	Not used		
269		0	b ₀ -b ₃	Not used		
			b ₄	Checkout - C.O. line Outgoing Call Report (Feature Code = 16, Function Code = C)		
			b ₅	Checkout - Message Waiting Report (Feature Code = 16, Function Code = D)		
		0	b ₆	Not used		
		0	b ₇			

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
270		0	b ₀	Not used	Sending a Service Feature Text (Information) to PMS
		0	b ₁		
			b ₂	Room Data Image - Room Data Report (Feature Code = 17, Function Code = 2)	
		0	b ₃	Not used	
			b ₄	Room Data Image - Room Data Exchange (Feature Code = 17, Function Code = 4)	
		0	b ₅	Not used	
			b ₆	Room Data Image - Room Data Report (Feature Code = 17, Function Code = 6)	
		0	b ₇	Not used	
271			b ₀	Room Data Image - Room Data Exchange (Feature Code = 17, Function Code = 8)	0/1 = In service/Out of ser- vice When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
		0	b ₁	Not used	
			b ₂	Room Data Image - Room Data Report (Feature Code = 17, Function Code = A)	
		0	b ₃	Not used	
			b ₄	Room Data Image - Room Data Exchange (Feature Code = 17, Function Code = C)	
		0	b ₅	Not used	
			b ₆	Station Delete Report (Feature Code = 17, Function Code = E)	
			b ₇	Station Delete Report (Feature Code = 17, Function Code = F)	
272	00			Not used	
273	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
274		0	b ₀	Not used	Sending a Service Feature Text (Information) to PMS 0/1 = In service/Out of ser- vice When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₁	Automatic Wake-Up is set (Feature Code = 19, Function Code = 1)	
			b ₂	Automatic Wake-Up is canceled (Feature Code = 19, Function Code = 2)	
			b ₃	Automatic Wake-Up Result (Feature Code = 19, Function Code = 3)	
		0	b ₄	Not used	
		0	b ₅		
			b ₆	Automatic Wake-Up (Group Announcement) is set (Feature Code = 19, Function Code = 6)	
			b ₇	Automatic Wake-up (Group Announcement) is set (Feature Code = 19, Function Code = 7)	
275			b ₀	Automatic Wake-Up (Group Announcement) is set (Feature Code = 19, Function Code = 8)	
		0	b ₁ -b ₇	Not used	
276	00			Not used	
277	00			Not used	
278	00			Not used	
279	00			Not used	
280	00			Not used	
281	00			Not used	
282	00			Not used	
283	00			Not used	
284	00			Not used	
285	00			Not used	
286	00			Not used	
287	00			Not used	
288	00			Not used	
289	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
290	00			Not used	
291	00			Not used	
292		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out ser- vice When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₁	Check-In via a Desktop terminal (Feature Code = 46, Function Code = 1)	
		0	b ₂	Not used	
			b ₃	Bill Inquiry via a Desktop terminal (Feature Code = 46, Function Code = 3)	
		0	b ₄	Not used	
			b ₅	Checkout via a Desktop terminal (Feature Code = 46, Function Code = 5)	
		0	b ₆	Not used	
		0	b ₇		
293	00			Not used	
294	00			Not used	
295	00			Not used	
296	00			Not used	
297	00			Not used	
298	00			Not used	
299	00			Not used	
300	00			Not used	
301	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
302		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out of service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit. Note: These Texts are used for Maid Sta- tus Answer Back System.
			b ₁	Maid Status - Guest Room 1 (Feature Code = 51, Function Code = 1)	
			b ₂	Maid Status - Guest Room 2 (Feature Code = 51, Function Code = 2)	
			b ₃	Maid Status - Guest Room 3 (Feature Code = 51, Function Code = 3)	
			b ₄	Maid Status - Guest Room 4 (Feature Code = 51, Function Code = 4)	
			b ₅	Maid Status - Guest Room 5 (Feature Code = 51, Function Code = 5)	
			b ₆	Maid Status - Guest Room 6 (Feature Code = 51, Function Code = 6)	
		0	b ₇	Not used	
303	00			Not used	
304		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out of service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit. Note: These Texts are used for Maid Dial Answer Back Sys- tem.
			b ₁	Maid Status - Administration 1 (Feature Code = 52, Function Code = 1)	
			b ₂	Maid Status - Administration 2 (Feature Code = 52, Function Code = 2)	
			b ₃	Maid Status - Administration 3 (Feature Code = 52, Function Code = 3)	
			b ₄	Maid Status - Administration 4 (Feature Code = 52, Function Code = 4)	
		0	b ₅ -b ₇	Not used	
305	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
306		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out of service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
		0	b ₁		
			b ₂	Message Waiting Lamp On via a Desktop terminal (Feature Code = 53, Function Code = 2)	
			b ₃	Message Waiting Lamp On via a Desktop terminal (Feature Code = 53, Function Code = 3)	
		0	b ₄ -b ₇	Not used	
307	00			Not used	
308		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out of service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₁	Call Detail Data (Feature Code = 54, Function Code = 1)	
		0	b ₂ -b ₇	Not used	
309	00			Not used	
310	00			Not used	
311	00			Not used	
312		0	b ₀ -b ₆	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out of service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₇	Provisional Check-In (Feature Code = 56, Function Code = 7)	
313			b ₀	Provisional Checkout (Feature Code = 56, Function Code = 8)	0/1 = In service/Out of service When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
			b ₁	Checkout Message Waiting Report (Feature Code = 56, Function Code = 9)	
		0	b ₂ -b ₇	Not used	
314	00			Not used	
315	00			Not used	
316	00			Not used	
317	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
318	00			Not used	
319	00			Not used	
320	00			Not used	
321	00			Not used	
322	00			Not used	
323	00			Not used	
324		0	b ₀	Not used	Sending Service Feature Text (Information) to PMS 0/1 = In service/Out of ser- vice When the text is not to be sent to PMS, “1” is assigned to the corresponding bit.
		0	b ₁		
			b ₂	Guest Room Secretary Telephone Setting/Can- cellation (Feature Code = 62, Function Code = 2)	
		0	b ₃ -b ₇	Not used	
325	00			Not used	
326	00			Not used	
327	00			Not used	
328	00			Not used	
329	00			Not used	
330	00			Not used	
331	00			Not used	
332	00			Not used	
333	00			Not used	
334	00			Not used	
335	00			Not used	
336	00			Not used	
337	00			Not used	
338	00			Not used	
339	00			Not used	
340	00			Not used	
341	00			Not used	
342	00			Not used	
343	00			Not used	
344	00			Not used	
345	00			Not used	
346	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS						
		DATA 0/1	BIT							
347	00			Not used						
348	00			Not used						
349	00			Not used						
350	00			Not used						
351	00			Not used						
352	00			Not used						
353	00			Not used						
354	00			Not used						
355	00			Not used						
356	00			Not used						
357	00			Not used						
358	00			Not used						
359	00			Not used						
360			b ₀	Digits Code 0	Outgoing Call Access Code No. 1	Note: When the dial Access Code contains “0,” enter “A” for “0.” Example: When the dial Access Code is “9-202”. <table><tr><td>2</td><td>9</td></tr><tr><td>2</td><td>A</td></tr></table>	2	9	2	A
		2	9							
		2	A							
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 1						
			b ₅							
	b ₆									
	b ₇									
361			b ₀	Digits Code 2						
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 3						
			b ₅							
			b ₆							
			b ₇							

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS						
		DATA 0/1	BIT							
362			b ₀	Digits Code 0	Outgoing Call Access Code No. 2	Note: When the dial Access Code contains “0,” enter “A” for “0.” Example: When the dial Access Code is “9-202”. <table><tr><td>2</td><td>9</td></tr><tr><td>2</td><td>A</td></tr></table>	2	9	2	A
		2	9							
		2	A							
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 1						
			b ₅							
	b ₆									
	b ₇									
363			b ₀	Digits Code 2						
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 3						
			b ₅							
			b ₆							
			b ₇							
364			b ₀	Digits Code 0	Outgoing Call Access Code No. 3	Note: When the dial Access Code contains “0,” enter “A” for “0.” Example: When the dial Access Code is “9-202”. <table><tr><td>2</td><td>9</td></tr><tr><td>2</td><td>A</td></tr></table>	2	9	2	A
		2	9							
		2	A							
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 1						
			b ₅							
	b ₆									
	b ₇									
365			b ₀	Digits Code 2						
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 3						
			b ₅							
			b ₆							
			b ₇							

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS						
		DATA 0/1	BIT							
366			b ₀	Digits Code 0	Outgoing Call Access Code No. 4	Note: When the dial Access Code contains “0,” enter “A” for “0.” Example: When the dial Access Code is “9-202”. <table><tr><td>2</td><td>9</td></tr><tr><td>2</td><td>A</td></tr></table>	2	9	2	A
		2	9							
		2	A							
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 1						
			b ₅							
	b ₆									
	b ₇									
367			b ₀	Digits Code 2						
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 3						
			b ₅							
			b ₆							
			b ₇							
368	00			Not used						
369	00			Not used						
370	00			Not used						
371	00			Not used						
372	00			Not used						
?	?			?						
375	00			Not used						
376		0	b ₀	Not used	Text sent to PMS printout 0/1 = Not Required/Required If “1” assigned to the corresponding bit, the text is output to the Hotel printer. Note: When a failure occurs in a data link between the system and the PMS, the error information is printed.					
			b ₁	Maid Status - Guest (Feature Code = 11)						
			b ₂	Maid Status - Administration (Feature Code = 12)						
			b ₃	Message Waiting Lamp (Feature Code = 13)						
		0	b ₄	Not used						
			b ₅	Room Cut Off and Do Not Disturb (Feature Code = 15)						
			b ₆	Check In/Checkout (Feature Code = 16)						
			b ₇	Room Data Image (Feature Code = 17)						
377	00			Not used						

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS	
		DATA 0/1	BIT		
378			b ₀	Room Change and Room Swap (Feature Code = 20)	Text sent to PMS printout 0/1 = Not Required/Re- quired If “1” is assigned to the cor- responding bit, the text is output to the Hotel printer. Note: When a failure oc- curs in a data link between the sys- tem and the PMS, the error informa- tion is printed.
			b ₁	Room Data Change (Feature Code = 21)	
		0	b ₂ -b ₇	Not used	
379	00			Not used	
380	00			Not used	
381	00			Not used	
382	00			Not used	
383	00			Not used	
384	00			Not used	
385	00			Not used	
386	00			Not used	
387	00			Not used	
388	00			Not used	
389	00			Not used	
390	00			Not used	
391	00			Not used	
392	00			Not used	
393	00			Not used	
394	00			Not used	
395	00			Not used	
396	00			Not used	
397	00			Not used	
398	00			Not used	

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
399				The number of concurrent calls per unit $b_2 \ b_1 \ b_0$ 0 0 0 : 8 Lines 0 0 1 : 1 Line 0 1 0 : 2 Lines 0 1 1 : 3 Lines 1 0 0 : 4 Lines 1 0 1 : 5 Lines 1 1 0 : 6 Lines 1 1 1 : 7 Lines Note: This data is valid for No.399 bit 3=1.
			b_3	Restrictions of the number of concurrent calls per unit 0/1 = No/Yes
		0	b_4 - b_6	Not used
			b_7	Registering the PS/SP Controlled Standard SIP terminal as the secondary station of suite room 0/1 = No/Yes
400				Hour data is assigned using a decimal number (Military Time) Example: 2:00 a.m. - This data is entered as 02. Example: 2:30 a.m. - This data is entered as 14.
401				Minute data is assigned using a decimal number (Military Time) Example: 2:00 a.m. - This data is entered as 00. Example: 2:30 a.m. - This data is entered as 30.
402		0	b_0	Not used
			b_1	Wake-Up Result (Answer) Printout 0/1 = Out of service/In service
		0	b_2 - b_7	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
403			b 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.
		0	b ₁ -b ₃	Not used
			b ₄	Print out the result of Emergency Call-Answer 0/1 = Out of service/In service
			b ₅	Print out the result of Emergency Call-No Answer 0/1 = Out of service/In service
			b ₆	Print out the result of Emergency Call-Busy 0/1 = Out of service/In service
			b ₇	Print out the start/end of Emergency Call 0/1 = Out of service/In service
404	00			Not used
405			b ₀	Hotel printer prints out the Setting information of the Second Wake-Up Call. 0/1 = Required/Not Required
			b ₁	Hotel printer prints out the Cancel information of the Second Wake-Up Call. 0/1 = Required/Not Required
			b ₂	Hotel printer prints out the result of the Second Wake-Up Call. 0/1 = Required/Not Required
			b ₃	Hotel printer prints out the result of 2nd Wake-Up Call as an extended text. 0/1 = Not Required/Required
		0	b ₄ -b ₆	Not used
			b ₇	Wake-Up Call information (Set, Cancel, Result) are printed out with: 0/1 = Two Lines/One Line
406-407	00			Not used
408		0	b ₀ -b ₅	Not used
			b ₆	Reset Call Key on PC Attendant Console 0/1 = Check-In/HWS
		0	b ₇	Not used
409-440	00			Not used
441			b ₀	Audit output readout by Telephone Number is 0/1 = Out of service/In service
		0	b ₁ -b ₇	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
442 -448	00			Not used
449		0	b ₀ -b ₄	Not used
			b ₅	Guest Name Display on Desktop terminal in guest room. 0/1 = Out of service/In service
			b ₆	Use of PHS guest room searching feature enhancement. 0/1 = No/Yes
		0	b ₇	Not used
450			b ₀ -b ₂	Changeover time to Room Status 0 = 3 seconds (default) 1 = 1 second 2 = 2 seconds 3 = 3 seconds 4 = 4 seconds 5 = 5 seconds 6 = 6 seconds 7 = 7 seconds
			b ₃	Display Pattern of Room Status 0/1 = Pattern 1/Pattern 2
			b ₄	Name Display with CF indication 0/1 = In service/Out of service
		0	b ₅ -b ₇	Not used
451	00			Not used
ℓ	ℓ			ℓ
462	00			Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS						
		DATA 0/1	BIT							
463			b ₀	Digits Code 0	Access Code for Originating Call When Incoming Call from Attendant Console to PS, display the calling number	Note: When the dial Access Code contains "0," enter "A" for "0." Example: When the dial Access Code is "9-202". <table><tr><td>2</td><td>9</td></tr><tr><td>2</td><td>A</td></tr></table>	2	9	2	A
		2	9							
		2	A							
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 1						
			b ₅							
	b ₆									
	b ₇									
464			b ₀	Digits Code 2						
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 3						
			b ₅							
			b ₆							
			b ₇							
465			b ₀	Digits Code 4						
			b ₁							
			b ₂							
			b ₃							
			b ₄	Digits Code 5						
			b ₅							
			b ₆							
			b ₇							
466	00			Not used						
?	?			?						
519	00			Not used						
520		0	b ₀ -b ₅	Not used						
			b ₆	When C/I P C/I, RC bits are cleared/not cleared. 0/1 = Cleared/Not cleared						
		0	b ₇	Not used						
521	00			Not used						
?	?			?						
523	00			Not used						

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
524		0	b ₀ -b ₁	Not used
			b ₂	Attendant Console Answer Time Display 0/1 = Out of service/In service
		0	b ₃ -b ₇	Not used
525	00			Not used
?	?			?
527	00			Not used
528		0	b ₀	Not used
			b ₁	Attendant Console LCD Display Selection For Attendant Console 1 0/1 = Two Line Display/Default one-line display
			b ₂	Attendant Console LCD Display Selection For Attendant Console 2 0/1 = Two Line Display/Default one-line display
			b ₃	Attendant Console LCD Display Selection For Attendant Console 3 0/1 = Two Line Display/Default one-line display
			b ₄	Attendant Console LCD Display Selection For Attendant Console 4 0/1 = Two Line Display/Default one-line display
			b ₅	Attendant Console LCD Display Selection For Attendant Console 5 0/1 = Two Line Display/Default one-line display
			b ₆	Attendant Console LCD Display Selection For Attendant Console 6 0/1 = Two Line Display/Default one-line display
			b ₇	Attendant Console LCD Display Selection For Attendant Console 7 0/1 = Two Line Display/Default one-line display

This selection feature is available only when Two Line Display Service feature is activated on the system level.

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
529			b ₀	Attendant Console LCD Display Selection For Attendant Console 8 0/1 = Two Line Display/Default one-line display
			b ₁	Attendant Console LCD Display Selection For Attendant Console 9 0/1 = Two Line Display/Default one-line display
			b ₂	Attendant Console LCD Display Selection For Attendant Console 10 0/1 = Two Line Display/Default one-line display
			b ₃	Attendant Console LCD Display Selection For Attendant Console 11 0/1 = Two Line Display/Default one-line display
			b ₄	Attendant Console LCD Display Selection For Attendant Console 12 0/1 = Two Line Display/Default one-line display
			b ₅	Attendant Console LCD Display Selection For Attendant Console 13 0/1 = Two Line Display/Default one-line display
			b ₆	Attendant Console LCD Display Selection For Attendant Console 14 0/1 = Two Line Display/Default one-line display
			b ₇	Attendant Console LCD Display Selection For Attendant Console 15 0/1 = Two Line Display/Default one-line display
530			b ₀	Guest Station Call Record Automatic Clear 0/1 = Out/In service
			b ₁	Call Record is automatically cleared when Room Status is changed from <i>Vacant</i> to <i>Occupied</i> : 0/1: No/Yes
			b ₂	Call Record is automatically cleared when Room Status is changed from <i>Occupied</i> to <i>Vacant</i> : 0/1: No/Yes
			b ₃	Call Record is automatically cleared when Maid Status is changed from <i>Other than Ready</i> to <i>Ready</i> : 0/1: No/Yes
		0	b ₄ -b ₆	Not used
			b ₇	Terminal Display Refresh 0/1: Invalid/Valid (recommended)

This selection feature is available only when Two Line Display Service feature is activated on the system level.

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
531			b ₀	Hotel One-Touch Calling Service Data 0/1 = Out of service/In service
		0	b ₁ -b ₇	Not used
532		0	b ₀	Not used
			b ₁	Guest Station - D Help key display 0/1 = In service/Out of service
			b ₂	Always-Enabled Microphone of Guest Station - D 0/1 = Out of service/In service
			b ₃	Always-Enabled Answer Key of Guest Station - D 0/1 = Out of service/In service
			b ₄	AHSPL/AHSPN Command Day/Night Table Development 0/1 = Common/Separate
			b ₅	Calling/Called Party Number Protection 0/1 = Out/In service
		0	b ₆	Not used
			b ₇	Guest Name Display in Expanded Multiple Line Operation 0/1 = Not Available/Available
533		0	b ₀	Not used
			b ₁	Switch of Ringing for Suite Room Stations 0/1 = Send ringing to all stations/Send ringing to two stations only
		0	b ₂ -b ₇	Not used

INDEX (0- 2047)	DATA (DATA) 00- FF (HEX)	BIT CORRESPONDING DATA		CONTENTS
		DATA 0/1	BIT	
534		0	b ₀	Not used
		0	b ₁	
			b 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, b ₀ = 0)
			b ₃	Calling Party Number notification of Indial Number 0/1 = Out of service/In service
			b 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
		0	b ₅	Not used
			b ₆	Phonebook for Hotel 0/1 = Out of service/In service
		0	b ₇	Not used
535		0	b ₀	Not used
		0	b ₁	
			b ₂	Restriction on FAX Line Message Waiting Lamp in Suite Room 0/1 = Invalid/Valid
		0	b ₃	Not used
			b ₄	Notification of Start Billing is sent to PMS 0/1 = Out/In service
			b 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 performed
		0	b ₆	Not used
		0	b ₇	
536			b ₀	Guest Route Restriction Class (GRSC) through PMS 0/1 = Out of service/In service
		0	b ₁ -b ₇	Not used
537	00			Not used
2	2			2
2047	00			Not used

ASCR: Assignment of Station Connection Restriction

1. General

This command assigns and displays the station-to-station connection restriction data based on the Route Restriction Class (RSC) of respective tenants.

2. Precautions

1. This command is used for the Hotel Application only.
2. Station-to-station connections will be allowed for each RSC until they are restricted by this command.

3. Data Entry Instructions

CALLING TN:Calling Tenant Number

Tenant Number the calling party belongs.

CALLED TN:Called Tenant Number

Tenant Number the called party belongs.

CALLING RSC:Calling Restriction Class [0-15]

Respective Route Restriction Class of the calling party.

CALLED RSC:Called Restriction Class [0-15]

Respective Route Restriction Class of the called party.

D/N: Day/Night Mode [D/N]

D = Day mode

N = Night mode

DIAL/ATT:Direct Dial From STA/ATT [0/1]

Designate whether restriction applies to stations or attendant

0/1=Dial/Attendant

RESTRICTION/ALLOW:Restriction Data [0/1]

0=Restricted

1=Connection is allowed

4. Data Sheet

[illegible]

ASPF: Assignment of Special Access Code Floor

1. General

This command assigns Floor Data for the Access Code of the Floor Service.

2. Precautions

1. This command is used for the Hotel Application only.
2. When assigning data using this command, the ASYD command, SYS1, Index 165, b7 = 1 (Floor Service is provided) must have been assigned.
3. When assigning data using this command, the Access Code for Floor Service must have been assigned by the AASP/AGSP command, SRV = SSC, SID 56.
4. When deleting data for this command, the Access Code for Floor Service must be deleted in advance by the AASP/AGSP command.

3. Data Entry Instructions

Called Party Information

D/N: Day/Night Mode [D/N]

D = Day mode

N = Night mode

TN: Tenant Number

Tenant Number the calling party belongs.

Calling Party Information

NO.: Service Index Number [0-15]

Enter Service Index Number (No.) assigned in the AASP/AGSP command.

ANX: Annex [0-3]

0=Main Building

1=Annex 1

2=Annex 2

3=Annex 3

G: Ground Floor And Above/Below Group [0/1]

0=Ground

1=Underground

FLR: Floor Number [1-127]

DC: Called station number [Maximum six Digits]

Enter the called number such as a station number.

4. Data Sheet

[illegible]

ASPS: Assignment of Special Access Code for Split Access

1. General

This command determines the Split Access data when an Access Code is assigned for this feature in either the AASP or AGSP command (SRV=SSC, SID 57). This command is programmed when access codes for trunks and features are to be shared between guest and administration stations.

2. Precautions

1. This command is used for the Hotel Application only.
2. If the Guest and Administration Numbering are separated (the ASYD command, SYS1, Index 160, b6 = 0), this assignment is necessary for guest stations to call to the specific administration stations.

Note: Guest stations should use Split Access Codes to call to administration stations. Guest in the separate numbering plan cannot access administration stations by dialing their station numbers.

3. When data is to be deleted in this command, the data assigned for the Access Code in either the AASP or AGSP command (SRV = SSC, SID 57) must be deleted as well. Be sure to delete this command first.
4. For the parameter NO, enter the data assigned by the AASP or AGSP command.
5. Parameters KIND (in the AASP/AGSP command) and F specify the Split Access Parameter Classification. The data to be assigned here depends on how the guest and administration stations are differentiated.

Guest and administration stations may be assigned to separate TNs, RSCs and/or SFCs, or they may only be differentiated by their respective designations as Administration or Guest.

The relationship between KIND (AASP/AGSP) and F is as shown below:

- (a) For KIND = 0 (Administration/Guest)

F = 0:	Administration
1:	Guest
2 - 15:	Not used

- (b) For KIND = 1 (Tenant)

F = 0:	TN = 0
15:	TN = 15

- (c) For KIND = 2 (RSC)

F = 0:	RSC = 0
15:	RSC = 15

(d) For KIND = 3 (SFC)

F = 0:	SFC = 0
15:	SFC = 15

6. The variable parameter appears on the MAT depending on the data in the parameter SRV.

3. Data Entry Instructions

D/N: Day/Night [D/N]

D = Day

N = Night

NO.: Assign Number [0-63]

Enter No. assigned in the AASP/AGSP command.

F: Develop Number [0-15]

KIND (AASP/AGSP)	F	Calling Party
0: Administration/Guest	0	Administration
	1	Guest
	2-15	Not used
1: Tenant	0-15	TN=0-15
2: RSC	0-15	RSC=0-15
3: SFC	0-15	SFC=0-15

SRV: Kind of Service

STN=Station

SSC=Service code

SSCA=Service code appendix

OGC=Outgoing call

OGCA=Outgoing call with route advance

LCR=Least cost routing

LCRS=Register sender LCR

UNIF=Office termination

ANNC=Announcement service

ANNCM=Announcement service-multiple announcement

PAGA=Paging answer

PAGC=Paging cancel

◆ When SRV=STN (Station) is assigned:

DC: Digit Code [Four Digits Fix]

Enter the digit code.

- ◆ When SRV=SSC (Service code), except SID36 and 56 is assigned:

SID: Service Index [1-63]

See Table "SID (ASPS)".

NND: Necessary Digit

NND appears when the following SID is entered. NND data is variable depending on SID.

SID	Number of digits for NND
15 (Speed Calling-System; Access)	Access Code (1-24)
41 (Account Code Dial)	Access Code + Account Code (1-15)
42 (Authorization Code/Forced Account Code/Pad Lock)	Access Code + Auth. Code (1-15)
60 (Attendant Manual Override)	Access Code (1-5)
63 (Call Park; Retrieve)	Access Code (1-3)

NND1: Necessary Digit For Speed Calling [1-24]

NND1 appears when SID=15. The number of ADC (Abbreviation Digit Code) digits should be assigned in NND1.

SID (ASPS)

SID	SERVICE NAME	SID	SERVICE NAME
1	Call Hold	29	Call Forwarding I'm here; Cancel
2	Dial Access to Attendant (Operator Call)	30-34	-
3	Call Back; Entry/ Camp on By Station	35	Call Pickup - Direct
4	Executive Right of Way	36	Hotel Service (See Page 1357)
5	Call Waiting - Originating	37	Priority Call 1
6	Call Back; Cancel	38	Priority Call 2
7	Call Pickup - Group	39	Priority Call 3
8	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Entry Note 1	40	Priority Paging
9	Call Forwarding - All Calls/Split Call Forwarding - All Calls (for trunk); Cancel Note 1	41	Account Code Dial
10	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Entry Note 1	42	Authorization Code/Forced Account Code/Pad Lock; Set
11	Call Forwarding - Busy Line/Split Call Forwarding - Busy Line (for trunk); Cancel Note 1	43	Flash Signal Sending to Main office across CAS line
12	Call Forwarding - Don't Answer/Split Call Forward- ing - Don't Answer (for trunk); Entry Note 1	44	Last Number Call
13	Call Forwarding - Don't Answer/Split Call Forward- ing - Don't Answer (for trunk); Cancel Note 1	45	Station Telephone Test
14	Speed Calling - Station; Entry	46	Faulty Trunk Report
15	Speed Calling - System; Access	47	-
16	Trunk Answer from Any Station (TAS)	48	Timed Reminder/Automatic Wake-up; Entry
17	Individual trunk access	49	Timed Reminder/Automatic Wake-up; Cancel
18	-	50-55	-
19	Out Going Trunk Queuing; Entry	56	Floor Service (See Page 1358)
20	Out Going Trunk Queuing; Cancel	57-59	-
21	Speed Calling - Station, Group; Access	60	Attendant Manual Override
22-27	-	62	Call Park; Local Retrieve
28	Call Forwarding I'm here; Set	63	Call Park; Remote Retrieve

Note 1: When Split Call Forwarding is in service (the command ASYD, SYS1, Index 79, b2=1), this Access Code is used for Call Forwarding service for Trunk calls. The access codes for Call Forwarding service for Station calls are specified by SRV=3 (SSCA), SIDA 86-89.

- ◆ When SRV=SSC (Service code), SID36 (Hotel Service) is assigned:

SID: Service Index [1-63]

SID=36

STATE: Hotel Service Code [1-63]

- 1=To be cleaned without ID code
- 2=Cleaning Completed without ID code
- 3=Ready for Occupancy without ID code
- 4=Use Not Allowed without ID code
- 5-8=-
- 9=Maid Dial Answer Back without ID code-1
- 10=Maid Dial Answer Back without ID code-2
- 11=Maid Dial Answer Back without ID code-3
- 12=Maid Dial Answer Back without ID code-4
- 13=Maid Dial Answer Back without ID code-5
- 14=Maid Dial Answer Back without ID code-6
- 15=Maid Dial Answer Back without ID code-7
- 16=-
- 17=To be cleaned with ID code
- 18=Cleaning Completed with ID code
- 19=Ready for Occupancy with ID code
- 20=Use Not Allowed with ID code
- 21-24=-
- 25=Maid Dial Answer Back with ID code-1
- 26=Maid Dial Answer Back with ID code-2
- 27=Maid Dial Answer Back with ID code-3
- 28=Maid Dial Answer Back with ID code-4
- 29=Maid Dial Answer Back with ID code-5
- 30=Maid Dial Answer Back with ID code-6
- 31=Maid Dial Answer Back with ID code-7
- 32=-
- 33=Automatic Wake Up Setting, Cancel; Same Special code
- 34=For guest station Secretary Telephone; Boss/Secretary Calling
- 35-37=-
- 38=Automatic Wake-Up-Hotel Attendant Assistance Stop
- 39=Automatic Wake-Up-Hotel Attendant Assistance Stop Cancel
- 40=Alert Service Start (Hotel ATT)
- 41=Alert Service Stop (Hotel ATT)
- 42=Guest Service Telephone Screen Initialized
- 43=Guest Service Telephone Guest Room Information Retrieval
- 44=Direct Data Entry-Station (via guest station)
- 45=Alert Service Start (Special Administration station)
- 46=Alert Service Stop (Special Administration station)
- 47=-
- 48=Second Wake-Up Call (Automatic) Set
- 49=Second Wake-Up Call (Semi-Automatic) Set
- 50=Second Wake-Up Call Cancel
- 51=Same Special Code Time Zone Connection Change
- 52=Same Special Code Time Zone Connection Change
- 53=Same Special Code Time Zone Connection Change
- 54=Same Special Code Time Zone Connection Change
- 55=Same Special Code Time Zone Connection Change

56-62=-
63=Dummy Number

Note: STATE=1-15 are used at the time of Maid ID Code Service is not provided; ASYD SYS1 Index 164, b3=0.
STATE=17-31 are used at the time of Maid ID Code Service is provided; ASYD SYS1 Index 164, b3=1.

- ◆ When SRV=SSC (Service code), SID56 (Floor Service) is assigned:

SID: Service Index [1-63]
SID=56

NO.1: Kind Of Assignment Number [0-15]

This data is used to assign Floor Service data by the ASPF command.

Note: When programming Floor Service data, ASYD SYS1 Index 165, b7=1 must have been assigned.

- ◆ When SRV=SSCA (Service code appendix), except SIDA=56 is assigned:

SIDA: Service Index A [1-255]
See Table "SIDA (ASPS)".

NND: Necessary Digit [1-6]
NND appears when SIDA=97 (Call Hold Conference).
The number of digits for an Access Code should be assigned in NND.

- ◆ When SRV=SSCA (Service code appendix), SIDA=56 (Guest/Administration Service) is assigned:

SIDA: Service Index A [1-255]
SIDA=56

PNO: Pattern Number For AOSP Command [1-15]

This parameter specifies the Administration/Guest Numbering Parameter Classification.
After assigning the PNO, go to the AOSP command to skip this ACC.
After skipping the Access Code, the system refers to the numbering data designated in the next parameter A/G.

A/G: Administration/Guest [A/G]
Numbering table designation for redevelopment.
A/G = Administration/Guest

- ◆ When SRV= OGC (Outgoing call) is assigned:

RT: Route Number [1-255]

- ◆ When SRV=OGCA (Outgoing call with route advance) is assigned:

COUNT: Index Counter

Assign the number of advanced trunk routes.

INDEX

INDEX is the route advance order

RT: Route Number [1-255]

SIDA (ASPS)

SIDA	SERVICE NAME	SIDA	SERVICE NAME
1-40	-	87	Call Forwarding - Busy Line; Entry Note 2
41	Voice Call	88	Call Forwarding - Don't Answer; Entry Note 2
42	Message Reminder (Desktop terminal)	89	Call Forwarding - All Calls; Cancel Note 2
43-45	-	90	Call Forwarding - Busy Line; Cancel Note 2
46	Line Load Control from ATTCN; Entry	91	Call Forwarding - Don't Answer; Cancel Note 2
47	Line Load Control from ATTCN; Cancel	92-95	-
48	Data Privacy on Demand; Entry Note 3	96	Follow Phone
49	Data Privacy on Demand; Cancel	97	Call Hold Conference
50	UCD Busy out; Entry	98	Internal Zone Page Acc.
51	UCD Busy out; Cancel	99-105	-
52	-	106	Call Return
53	Boss Secretary Override	107	-
54	Message Waiting Lamp Setting from ATTCN; Set	108	Number Sharing; Entry
55	Message Waiting Lamp Setting from ATTCN; Cancel	109	Number Sharing; Cancel
56-62	-	110	-
63	Call Pickup Expand	111	Call Block (Restricts the last calling party's number; Entry)
64-65	-	112	Call Block (Restricts dialed number; Entry)
66	Digital Announcement Card Multi-channel Recording; Record	113	Call Block; Cancel
67	-	114-115	-
68	Digital Announcement Card Multi-channel Recording; Retrieve	116	Call Trace
69-84	-	117-119	-
85	Pad Lock; Cancel	120	Selectable Station Call Pickup
86	Call Forwarding - All Calls; Entry Note 2	121	Selectable Station Call Pickup Group
		122-133	-
		134	Expanded Speed Calling; Entry
		135	Expanded Speed Calling; Access
		136-225	-

Note 2: This data is valid for Call Forwarding service for Station calls when Split Call Forwarding is in service. (The command ASYD, SYS1, Index 79, b2 = 1.)

Note 3: This data can be set when the connection Status Index (CI) = Normal (N).

- ◆ When SRV=LCR (Least cost routing)/LCRS (Register sender LCR) is assigned:

RT: Route Number [1-255]

Assign a dummy route number.

2nd DT: Second Dial Tone [0/1]

Second Dial Tone sending (which is sent when a station has dialed the digits specified in NND of the AANP command)

0=Second DT is not sent

1=Second DT is sent

AH: Authorization Code [0/1]

Authorization code after dialing ACC (LCR) + Destination number

0=Out of service

1=In service

SUB: Sub Address Dialing [0/1]

ISDN-Sub Address Dialing

0=Out of service

1=In service

- ◆ When SRV=UNIF (Office termination) is assigned:

SKIP: Skip Digits [0-5]

Assign the skip digits to terminate the call.

Note: UNIF is available for ACIS only. For CCIS, use the AUNE command.

- ◆ When SRV=ANNC (Announcement service) is assigned:

EQP: Announcement Equipment Number [0-127]

Assign the announce equipment number. EQP 3 and 5-14 can be used for SRV=AANC (Single announcement).

- ◆ When SRV=ANNCM (Announcement service-Multiple announcement) is assigned:

TN: Tenant Number

Assign the Tenant Number of the announcement trunk.

EQP: Announcement Equipment Number [122-125]

Assign the announcement equipment number with a range from 122 to 125 (Multi announcement).

- ◆ When SRV= PAGA (Paging answer)/PAGC (Paging cancel) is assigned:

RT: Route Number [1-255]

4. Data Sheet

(a) Station Call (SRV = STN)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	DIGIT CODE (DC) 4 DIGITS FIX
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	
			STN	

(b) Service Code (SRV = SSC)

DAY/ NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	NUMBER OF NECESSARY DIGIT FOR SPEED CALLING (NND1) 1 – 24	SERVICE CONTENTS
			SSC	1			Call Hold
			SSC	2			Dial Access to Attendant (Information Service Call)
			SSC	3			Call Back; Entry
			SSC	4			Executive Right of Way
			SSC	5			Call Waiting – Originating
			SSC	6			Call Back; Cancel
			SSC	7			Call Pickup – Group
			SSC	8			CF – All Calls/Split CF – All Calls (for C.O./Tie); Entry Note 1
			SSC	9			CF – All Calls/Split CF – All Calls (for C.O./Tie); Cancel Note 1
			SSC	10			CF – Busy Line/Split CF – Busy Line (for C.O./Tie); Entry Note 1
			SSC	11			CF – Busy Line/Split CF – Busy Line (for C.O./Tie); Cancel Note 1
			SSC	12			CF – Don't Answer/Split CF – Don't Answer (for C.O./Tie); Entry Note 1
			SSC	13			CF – Don't Answer/Split CF – Don't Answer (for C.O./Tie); Cancel Note 1
			SSC	14			Speed Calling – Station; Entry
			SSC	15			Speed Calling – System; Access
			SSC	16			TAS Answer
			SSC	17			Individual Trunk Access
				18			Not used
			SSC	19			OG Trunk Queuing; Entry

Note 1: When Split Call Forwarding is in service (the ASYD command, SYS1, Index 79, b2 = 1), this Access Code is used for Call Forwarding for Trunk calls.

(b) Service Code (SRV = SSC) (Continued)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1– 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
			SSC	20		OG Trunk Queuing; Cancel
			SSC	21		Speed Calling – Station, Group; Access
				22 23 27		Not used
			SSC	28		Call Forwarding I'm Here; Set
			SSC	29		Call Forwarding I'm Here; Cancel
				30 31 34		Not used
			SSC	35		Call Pickup – Direct
			SSC	36		Hotel Service

(b) Service Code (SRV = SSC) (Continued)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
					1	To be cleaned without ID Code
					2	Cleaned without ID Code
					3	Ready for Occupancy without ID Code
					4	Use Not Allowed without ID Code
					5	
					7	Not used
					8	
					9	Maid Dial Answer Back without ID Code 1
					10	Maid Dial Answer Back without ID Code 2
					11	Maid Dial Answer Back without ID Code 3
					12	Maid Dial Answer Back without ID Code 4
					13	Maid Dial Answer Back without ID Code 5
					14	Maid Dial Answer Back without ID Code 6
					15	Maid Dial Answer Back without ID Code 7
					16	Not used
					17	To be cleaned with ID Code
					18	Cleaned with ID Code
					19	Ready for Occupancy with ID Code
					20	Use Not Allowed with ID Code
					21	
					22	Not used
					24	
					25	Maid Dial Answer Back with ID Code 1
					26	Maid Dial Answer Back with ID Code 2
					27	Maid Dial Answer Back with ID Code 3
					28	Maid Dial Answer Back with ID Code 4
					29	Maid Dial Answer Back with ID Code 5
					30	Maid Dial Answer Back with ID Code 6
					31	Maid Dial Answer Back with ID Code 7
					32	Not used
					33	Automatic Wake-Up Setting, Cancel; Same Special Code

(b) Service Code (SRV = SSC) (Continued)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	MAID STATUS (STATE) 1 – 63	SERVICE CONTENTS
					34	For guest station Secretary Telephone; Boss/Secretary
					35	
					36	Not used
					37	
					38	Automatic Wake-Up – Hotel Attendant Assistance Stop
					39	Automatic Wake Stop – Up – Hotel Attendant Assistance Cancel
					40	Alert Service Start (Hotel ATT)
					41	Alert Service Stop (Hotel ATT)
					42	Guest Service Telephone Screen Initialization
					43	Guest Service Telephone Guest Room Information Retrieval
					44	Direct Data Entry – STA
			SSC	36	45	Alert Service Start (Special Administration station)
					46	Alert Service Stop (Special administration station)
					47	Not used
					48	Second Wake-Up Call (Automatic); Set
					49	Second Wake-Up Call (Semi-Automatic); Set
					50	Second Wake-Up Call; Cancel
					51	Same Special Code Time Zone Connection Change
					52	Same Special Code Time Zone Connection Change
					53	Same Special Code Time Zone Connection Change
					54	Same Special Code Time Zone Connection Change
					55	Same Special Code Time Zone Connection Change
					56 57 62	Not used
					63	Dummy Number

(b) Service Code (SRV = SSC) (Continued)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX (SID) 1 – 63	NUMBER OF NECESSARY DIGITS (NND)	SERVICE CONTENTS
			SSC	37		Priority Call 1
			SSC	38		Priority Call 2
			SSC	39		Priority Call 3
			SSC	40		Priority Paging
			SSC	41		Account Code Dial
			SSC	42		Authorization Code/Forced Account Code Dial/Dial Access to Lock
			SSC	43		Flash Signal Sending (CAS – Main)
			SSC	44		Last Number Call
				45		Not used
			SSC	46		Faulty Trunk Report
				47		Not used
			SSC	48		Automatic Wake Up: Entry
			SSC	49		Automatic Wake Up: Cancel
			SSC	50		Group Announcement; Entry
			SSC	51		Group Announcement; Cancel
			SSC	52		Do not Disturb; Entry (via guest station)
			SSC	53		Do not Disturb; Cancel (via guest station)
				54		Not used
				55		Not used
			SSC	56		Floor Service
				57 58 59		Not used
			SSC	60		Attendant Manual Override
			SSC	61		Call Park Access Code
			SSC	62		Call Park Local Retrieval Code
			SSC	63		Call Park Remote Retrieval Code

(b) Service Code (SRV = SSC) (Continued)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX (SID)	SERVICE INDEX NUMBER (No.1) 0 – 15	SERVICE CONTENTS
			SSC	56	0	
			SSC	56	1	
			SSC	56	2	
			SSC	56	3	
			SSC	56	4	
			SSC	56	5	
			SSC	56	6	
			SSC	56	7	
			SSC	56	8	
			SSC	56	9	
			SSC	56	10	
			SSC	56	11	
			SSC	56	12	
			SSC	56	13	
			SSC	56	14	
			SSC	56	15	

(c) Service Code Auxiliary (SRV = SSCA)

DAY/ NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	SUB ADDRESS DIALING (SUB) 0/1	SERVICE CONTENTS
				1 2 40		Not used
			SSCA	41		Voice Call
			SSCA	42		Message Reminder (Desktop terminal)
				43 2 45		Not used
			SSCA	46		Line Load Control from ATTCON; Entry
			SSCA	47		Line Load Control from ATTCON; Cancel
			SSCA	48		Data Privacy on Demand; Entry
			SSCA	49		Data Privacy on Demand; Cancel
			SSCA	50		Busy Out (UCD); Entry
			SSCA	51		Busy Out (UCD); Cancel
				52		Not used
			SSCA	53		Boss-Secretary Override Tone
			SSCA	54		Message Waiting Lamp Setting from AT- TCON; Set
			SSCA	55		Message Waiting Lamp Setting from AT- TCON; Cancel
			SSCA	56		Guest/Administration Service Note 2
				57 2 65		Not used
			SSCA	66		Multi-Channel Recording <RECORD>
				67		Not used
			SSCA	68		Multi-Channel Recording <REPLAY>
				69 2 84		Not used
			SSCA	85		Dial Access to Unlock

Note 2: Guest/Administration Service (SIDA = 56)

(c) Service Code Auxiliary (SRV = SSCA) (Continued)

DAY/ NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	PATTERN NUMBER FOR AOSP COMMAND (PNO) 1 – 15	ADMIN./ GUEST (A/G) A/G	SERVICE CONTENTS
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			
			SSCA	56			

(c) Service Code Auxiliary (SRV = SSCA) (Continued)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SERVICE INDEX A (SIDA) 1 – 255	NECESSARY DIGIT (NND) 1– 6	SERVICE CONTENTS
			SSCA	86		Split CF – All Calls (for Station); Entry Note 3
			SSCA	87		Split CF – Busy Line (for Station); Entry Note 3
			SSCA	88		Split CF – Don't Answer (for Station); Entry Note 3
			SSCA	89		Split CF – All Calls (for Station); Cancel Note 3
			SSCA	90		Split CF – Busy Line (for Station); Can- cel Note 3
			SSCA	91		Split CF – Don't Answer (for Station); Cancel Note 3
				92 ∟ 95		Not used
			SSCA	96		Follow Phone
			SSCA	97		Call Hold Conference
				98 ∟ 105		Not used
			SSCA	106		Call Return
				107-119		Not used
			SSCA	120		Selectable Call Pickup
			SSCA	121		Selectable Call Pickup Group
				122-133		Not used
			SSCA	134		Expanded Speed Calling; Entry
			SSCA	135		Expanded Speed Calling; Access
				107 ∟ 255		Not used

Note 3: This data is valid for Call Forwarding service for Station calls when Split Call Forwarding is in service. (The command ASYD, SYS1, Index 79, b2 = 1.)

(d) Outgoing Call Without Route Advance (SRV = OGC)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	ROUTE NUMBER (RT) 1 – 255
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	
			OGC	

(d) Outgoing Call With Route Advance (SRV = OGCA) (Continued)

DAY/ NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 00 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	INDEX COUNT (COUNT)	ROUTE NUMBER (RT)							
					1st	2nd	3rd	4th	5th	6th	7th	8th
					9th	10th	11th	12th	13th	14th	15th	
			OGCA									
			OGCA									
			OGCA									
			OGCA									
			OGCA									
			OGCA									
			OGCA									
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(e) Least Cost Routing Access Code (SRV = LCR) – Administration Station

DAY/ NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	FLEXIBLE ROUTE NUMBER (RT)	SECOND DIAL TONE (2nd. DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				
			LCR				

(f) Register Sender Least Cost Routing Access Code (SRV = LCRS)

DAY/ NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	FLEXIBLE ROUTE NUMBER (RT)	SECOND DIALTONE (2nd. DT) 0/1	AUTHORIZATION CODE DIALING (AH) 0/1	SUB ADDRESS DIALING (SUB) 0/1
			LCRS				
			LCRS				
			LCRS				
			LCRS				
			LCRS				
			LCRS				
			LCRS				
			LCRS				
			LCRS				
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			LCRS				
			LCRS				
			LCRS				
			LCRS				
			LCRS				

(g) Office Termination Code (SRV = UNIF)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	SKIP DIGITS (SKIP) 0 – 5
			UNIF	
			UNIF	
			UNIF	
			UNIF	
			UNIF	
			UNIF	
			UNIF	
			UNIF	
			UNIF	
			UNIF	
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			UNIF	
			UNIF	

(h) Announcement Service-Single Announcement (SRV = ANNC)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	ANNOUNCEMENT EQUIPMENT NUMBER (EQP) 1 – 127
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	
			ANNC	

(i) Announcement Service-Multiple Announcement (SRV = ANNCM)

[illegible]

(j) Paging Answer Code (SRV = PAGA)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	
			PAGA	

(k) Paging Cancel Code (SRV = PAGC)

DAY/NIGHT (D/N) D/N	ASSIGN NUMBER (No.) 0 – 63	DEVELOP NUMBER (F) 0 – 15	KIND OF SERVICE (SRV)	ROUTE NUMBER (RT)
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	
			PAGC	

ATCR: Assignment of Telephone Class Restriction

1. General

This command assigns and displays the restriction data for connections between Telephone Equipment Classes (TECs).

2. Precautions

1. This command is used for the Hotel Application only.
2. Connection between TECs will be allowed for each RSC until they are restricted by this command.
3. TEC 31 is used for ATT in this command.

3. Data Entry Instructions

CALLING TEC: Calling Telephone Equipment Class [1-31]

CALLED TEC: Called Telephone Equipment Class [1-31]

1=DP (10 pps)
 2=PB
 3=DP/PB
 4=DP (20 pps)
 5=DP (10 pps): Guest
 6=PB: Guest
 7=DP/PB: Guest
 8=DP (20 pps): Guest
 9=House Phone
 10=House Phone: Guest
 11=Not used
 12=Dterm
 13=Data Terminal via Dterm
 14=Hot Line
 15=CAS Line
 16=Data Terminal via Data Module
 17=Not used
 18=Virtual Line Appearance (for Dterm Multi-Line)
 19-22=Not used
 23=ISDN Terminal
 24-26=Not Used
 27=Eight Conference Equipment
 28-30=Not Used
 31=ATT

D/N: Day/Night Mode [D/N]

D = Day mode
 N = Night mode

RESTRICTION/ALLOW: Restriction Data [0/1]

0=Restricted
 1=Connection is allowed

4. Data Sheet

CALLING TELEPHONE EQUIP. CLASS (CALLING TEC) 1 – 31	CALLED TELEPHONE EQUIP. CLASS (CALLED TEC) 1 – 31	DAY/NIGHT MODE (D/N) D/N	RESTRICTION DATA (RESTRICTION/ ALLOW) 0/1

UNIVERGE SV9500

Command Manual

NWD-165813-001

Revision Sheet

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