NEC

Xen TOPAZ

Xen Topaz System Programming Manual

Version 1.1
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Before Reading This Manual

This Manual provides you with detailed information about the system programs. By changing a program, you change the way the feature associated with that program works. In this section, you find out about each program, the features that the program affects and how to enter the program data into system memory.

Caution > **Do not start customizing your system without first reading "Features and Specifications Manual".**

When you want to customize a feature, find it in Features and Specifications Manual and learn about it. This will tell you what programs you have to change to get the operation you want. Then, look the program up in this section if you have any questions about how to enter the data.

How to Use This Manual

This Manual lists each program in numerical order. For example, Program 10-01 is at the beginning of the section and Program 92-02 is at the end. The information on each program is subdivided into the following headings:

Description describes what the program options control. The Default Settings for each program are also included. When you first install the system, it uses the Default Setting for all programs. Along with the Description are the *Conditions* which describe any limits or special considerations that may apply to the program.

The reverse type (Black on white) symbol shows on the page header is the program's access level. You can only use the program if your access level meets or exceeds the level the program requires. Refer to **How to Enter the Programming Mode** (page 3) for a list of the system's access levels and passwords.

Feature Cross Reference provides you with a table of all the features affected by the program. You'll want to keep the referenced features in mind when you change a program. Customizing a feature may have an effect on another feature that you didn't intend.

Telephone Programming Instructions shows you how to enter the program's data into system memory.
For example:
1. Enter the programming mode.
2. 15-07-01.

```
15-07-01 TEL200
KY01 =      *01
```

tells you to enter the programming mode, dial 150701 from the telephone dial pad. After you do, you'll see the message "15-07-01 TEL200" on the first line of the telephone display. This indicates the program number (15-07), item number (01), and that the options are being set for extension 200. The second row of the display "KY01 = *01" indicates that Key 01 is being programmed with the entry of *01. To learn how to enter the programming mode, see **How to Enter the Programming Mode** (page 3).

Location of Controls

One of the following Display Key Telephone is required for the Programming.
- 6TXD Key Telephone
- 12TXD Key Telephone

Handset   Alphanumeric Display   Indicator

CHECK Key

CLEAR Key

Programmable Function Keys

LND (Last Number Dial) Key

OPAC (Operation Access) Key

DC (Dial Control) Key

CALL Key

FLASH Key

TRFR (Transfer) Key

SPK (Speaker) Key

DND/CONF Key

HOLD Key

Microphone

MIC (Microphone) Key

Speaker   VOL (Volume Control) Key   Dial Keys
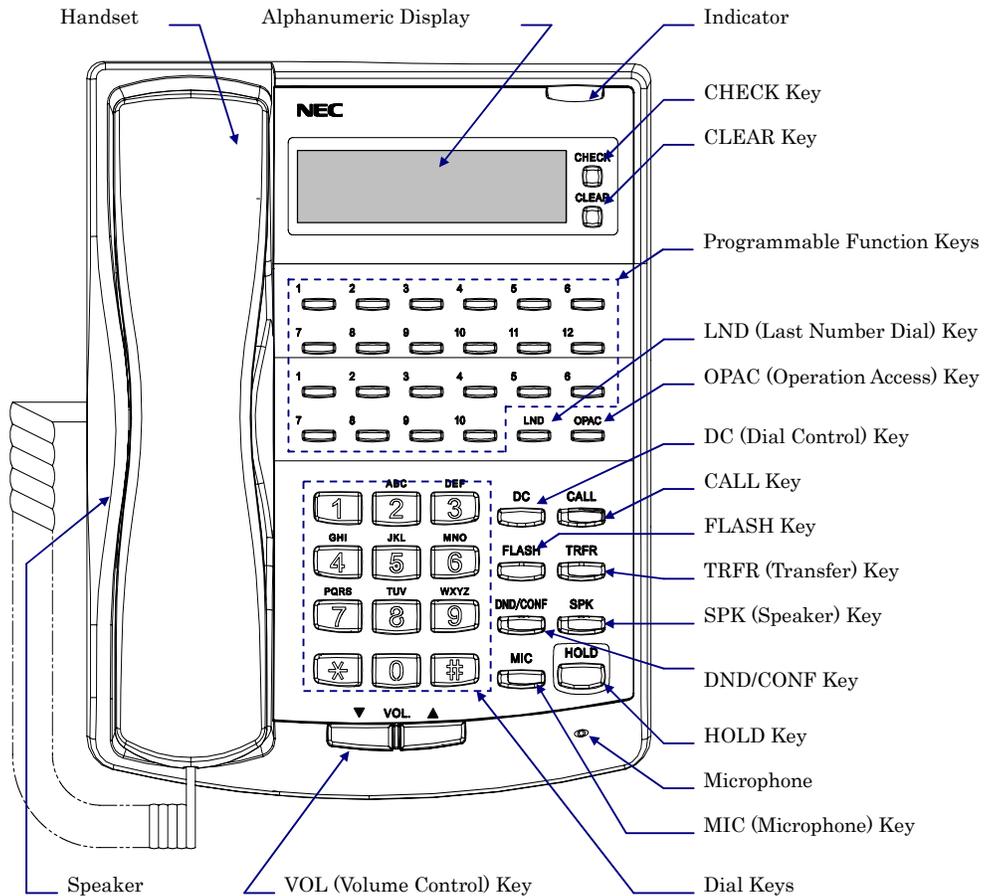
How to Enter the Programming Mode

Depending on the mode of programming, the system may allow more than one person in the programming mode at one time. With telephone programming, two people can program simultaneously. Using the PC Program, only one person is allowed in programming. If the same program number is being defined simultaneously, the last changes made to the program will be accepted.

To enter the programming mode:
1. Go to any working display telephone.
In a newly installed system, use extension 200 (port 1).
2. Do not lift the handset.
3. Press SPK.
4. 6321
5. Dial the system password + HOLD.

Refer to the following table for the default system passwords. To change the passwords, use Program 90-02.

> *Caution*
>
> **It is NOT recommended to change these data unnecessarily. The worst case may happen is that there is no normal way to go into program mode again, if the digits entered is forgotten, then**.

Password	Level	Program at this Level
12345678	2(IN)	All programs in this Manual not listed below for SA and SB
0000	3(SA)	10-01,10-02,10-24,12-02,12-03,12-04,15-01,15-07,15-09,15-10,15-11, 20-16,21-07,21-14,22-04,22-11,25-08,30-03,32-02,40-02,45-02,45-03, 90-03, 90-04,90-06,90-07,90-19
9999	4(SB)	13-04,13-05,13-06

How to Exit the Programming Mode

To exit the programming mode:
When you are done programming, you must be out of a program's options to exit (pressing the DC key will exit the program's option).

1. Press DC key to exit the program's options, if needed.

2. Press SPK. You see, "**SavingSystemData**" if changes to were to the system's programming.
3. The display shows "**CompleteDataSave**" when completed and will exit the phone to an idle mode.

To save a customer's database, a blank Compact Flash Memory Card is required. Insert the card into the EXIFU-A1 and, using Program 90-03, save the software to the Compact Flash Memory Card. (Program 90-04 is used to reload the customer data if necessary.) Note that a Compact Flash Memory Card can only hold one customer database. Each database to be saved will require its own separate card.

Alternatively, use the PCPro Programming application to download the system data through the LAN or RS-232 port of the EXFU-A1/B1 and save it to your PC's disk drive. This same application can be used to restore the saved database if required.

Using Keys to Move Around in the Programs

Once you enter the programming mode, use the keys in the following chart to enter data, edit data and move around in the menus.

♦Keys for Entering Data	
Use this Key…..	**When you want to …..**
0-9, *, #	Enter data into a program.
HOLD	Complete the programming step you just made (like pressing Enter on a PC keyboard). When a program entry displays, press HOLD to bypass the entry without changing it.
CONF	Delete the entry to the left (like pressing Backspace on a PC keyboard).
DC	Exit one step at the time from the program window currently being viewed. For example, if you're programming item 5 in 15-03, pressing DC will allow you to enter a new option in program 15-03. Pressing DC again will allow you to select a new program in the 15- series. Pressing DC a third time will allow you to enter a new program beginning with '1'. Pressing DC one last time will bring you to the beginning program display, allowing you to enter any program number.
FLASH	Switch TEL (extension), Trunk (line), etc. being programmed by pressing FLASH. The cursor moves up to the upper row of the display. Pressing FLASH again moves the cursor back to the lower row.
VOL.UP	Scroll backward through a list of entry numbers (e.g., from extension 10 to 11, 13, etc.) or through entries in a table (e.g., Common Permit Table). *If you enter data and then press this key, the system accepts the data before scrolling forward.*
VOL.DOWN	Scroll forward through a list of entry numbers (e.g., from extension 200 to 201, 203, etc.) or through entries in a table (e.g., Common Permit Table). *If you enter data and then press this key, the system accepts the data before scrolling backward.*
CHECK	Change an alphabetic character / number
CLEAR	Delete all digits
LND	Move the cursor to the left
OPAC	Move the cursor to the right
SPK	Exit the Programming Mode

Programming Names and Text Messages

Several programs (e.g., Program 20-16: Selectable Display Messages) require you to enter text. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press key "2" three times. Press the key six times display the lower case letter.

Keys for Entering Name and Text Message	
Use this keypad digit…	**When you want to …**
1	Enter characters: 1 @ [¥] ^ _ ` {	} Press repeatedly to scroll through the list. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
2	Enter characters A-C, a-c, 2. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
3	Enter characters D-F, a-f, 3. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
4	Enter characters G-I, g-i, 4. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
5	Enter characters J-L, j-l, 5. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
6	Enter characters M-O, m-o, 6. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
7	Enter characters P-S, p-s, 7. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
8	Enter characters T-V, t-v, 8. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
9	Enter characters W-Z, w-z, 9. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
0	Enter characters: 0 ! " # $ % & ' ( ) Press repeatedly to scroll through the list. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
*	Enter characters: * + , - . / : ; < = > ? Press repeatedly to scroll through the list. After selecting your entry, press the next letter or use the left scroll (by LND key) or right scroll (by OPAC key) to move the cursor.
CONF	Clear the character entry one character at a time.
CLEAR	Clear all the entries from the point of the flashing cursor and to the right.

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System Capacities

Maximum System Capacities	
Items	**Topaz**
System	
Class of Service	15
Toll Restriction Classes	15
Verifiable Account Code Table	2000
Day/Night Mode Numbers	8
Day/Night Service Patterns	10
Analogue Caller ID Detector Busy Tone Detector DTMF Receiver	924M :16 924M with DSPDBU: 32
Trunk	
Trunk Port Number	1-51
Trunk Ports (Total) Analogue Trunks BRI Trunk Ports	9+16=25 9 8(16B)
924M(308M+308E+308E) Analogue Trunk Ports :	 1-9
4BRIU Physical Port Number (T-point) : Logical Port Number (T-point) :	 1-4 1-8
Trunk Group Numbers	1-25
Trunk Access Maps	1-51
Trunk Routes	1-25
Ring Groups	1-8
DID Translation Tables	1-20
DID Translation Tables Entries	2000
DISA Classes of Service Users	 15 1-15
Extension	
Telephone Extension Port Number (Total) Key Telephones Single Line Telephones	1-24

Maximum System Capacities	
Items	**Topaz**
Extension	
924M(308M+308E+308E) ♦ Extension Ports	1-24
Telephone Extension Number Range	200-223 (default)
Virtual Extension Ports	50
Virtual Extension Port Numbers	01-50
Virtual Extension Port Number Range	Undefined
Class of Service	15
Operator Access Number	9
Operator Extension	1-8
DSS Console Number	1-3
DSS Console Maximum Installed	3
DLS Console Maximum Installed	24
Doorphone Numbers	1-2
Ringdown Assignment	122
Abbreviated Dialling	
Abbreviated Dialling Groups	1-32
Abbreviated Dial Bins	0-1999
Automated Attendant	
VRS Message Numbers	1-48
Conference	
Conference Circuits	32ch (8ch x 4)
Department and Pickup Groups	
Department (Extension) Group Numbers	1-32
Department (Extension) Group Number Range	1-4 digits
Call Pickup Group Numbers	1-8
Hotline	
Internal Hotline	24
External Hotline	9
Paging and Park	
Internal Page Group Numbers	32
External Page Group Numbers	6
External Speakers	3
Park Group Numbers	1-64
Park Orbits	1-64
SMDR	
SMDR Ports	1(COM)
VRS	
VRS(on DSPDB Daughter Board)	1
Voice Mail(DSPDBU)	
Voice Mail(DSPDB) Mailboxes	300
Voice Mail Channels	8
Passwords	
User Password for setting Toll restriction Override and Changing Class of Service using a Service Code	No Setting
Programming Passwords	
Level 2 (IN)	12345678
Level 3 (SA)	0000
Level 4 (SB)	9999
Programming Password Users	1-8
VRS channels	16

Concept of 308M (Main Unit)

The 308M(Main Unit) has Flash Memories and RAM. The System Software (Program) will be stored in Flash Memory and the customer data will be stored in RAM.

1. Flash Memory

For the initial installation, the System will start up from Flash Memory. The data in the Flash Memory is put by the Factory. In case of the Software Upgrading, the new System Software (Program) is loaded from a Compact Flash Card to Flash Memory.

2. RAM

After starting up the system and completing the programming, all customer data will be stored in RAM. It will be saved by Lithium Battery even if the power is going to be failed. For your safe, the customer data can be stored to Compact Flash Card or your Hard disk of Personal Computer.

System Start-Up

There are 4 types of Start-up Operation made as below.

1. Initial Installation (COLD Start)

This mode may be selected in case of first installation. The System Software (Program) will be loaded from Flash Memory to the RAM.

♦ When entering Programming Mode at first time, the operation is as follows;

1. The **SW1** on the 308M unit will be set at the left side to "**C**" and turn System Power Switch to ON.
2. Wait until 1-2 minutes, LED2(RUN) is going to be lit and the Key Telephone's display shows Time & Date with Extension number.

After you change System Data, you must set the SW1 knob to right side to "**H**" to protect your System Data. This switch must always remain in the "**H**" position for normal operation.

2. Software Upgrading

This mode may be selected in case the existing system is upgraded. The existing System Software (stored to the Flash Memory) will be cleared, then the new System Software will be loaded from new Compact Flash Card. The existing Customer Data (stored to the RAM) will be cleared.

♦ When the existing system is going to be upgraded, the new software will be loaded from Compact Flash Card. And EXIFU-A1 unit is required. The operation is as follows;

1. Make sure the Back-up Battery (Lithium Battery) has been installed completely and the SW1 on the 308M unit must be set "**H**" position to protect the customer data.
2. If previously powered up, the system must be turned off for upgrading software.
3. Once the system has completed its power down cycle (LED is off), insert the Compact Flash Card containing the software upgrade into the Compact Flash Card Slot(CN4) on the EXIFU-A1 unit.
4. SW1 is set to "**C**" side. Turn the system power switch to On. (LED status are as followings.)
5. Wait until 1-2 minutes, when the loading is completed, the fast blinking of LED4 will stop.
6. SW1 is set to "**H**" side and Power Off the system.
7. Remove the Compact Flash card from the Compact Flash card slot.
8. Power On the system. Wait until 1-2 minutes, LED2(RUN) is going to be lit.
9. Confirm the Main Software Version Number by "OPAC" and "Dial 3".

3. Re-Installation (COLD Start)

This mode may be selected in case of re-installation from factory setting. The existing System Software (stored to the Flash Memory) will be remained, and the existing Customer data (stored to the RAM) will be cleared.

♦ When the system requires to re-install from factory setting, the operation is as follows;

1. **SW1** on the 308M unit will be set at the left side to "**C**" and turn System Power Switch to ON.
2. Wait until 1-2 minutes, LED2 (RUN) is going to be lit and the Key Telephone's display

shows Time & date with Extension number.

4. Re-start (HOT Start)

This mode may be selected in case of re-start (System Reset). The existing System Software (stored to the Flash Memory) and the Customer data (stored to the RAM) will be remained.

♦ When the system requires to Re-Start (System Reset), the operation is as follows;

1) **SW1** on the 308M unit will be set at the right side to "**H**" and turn System Power Switch to ON.
2) Wait until 1-2 minutes, LED2(RUN) is going to be lit and the Key Telephone's display shows Time & date with Extension number.

Before Programming

Before the programming, the Main Software Version and Port Number can be checked by the Display Key Telephone.

1. Confirmation of the Software Version

The Software Version can be checked by "**OPAC**" key and "**Dial 3**"(by On-Hook condition) or PRG90-16-01.

2. Confirmation of the Port Number

The Own Port Number can be checked by Press "**CHECK**" key and "**CALL**" key (by On-Hook condition). The Other Port Number also can be checked by Press "**CHECK**" key and Dial Destination Extension Number (by On-Hook condition).

3. Concept of Slot Numbers

Slot Number will be fixed as followings and EXIFU Slots has no slot number.
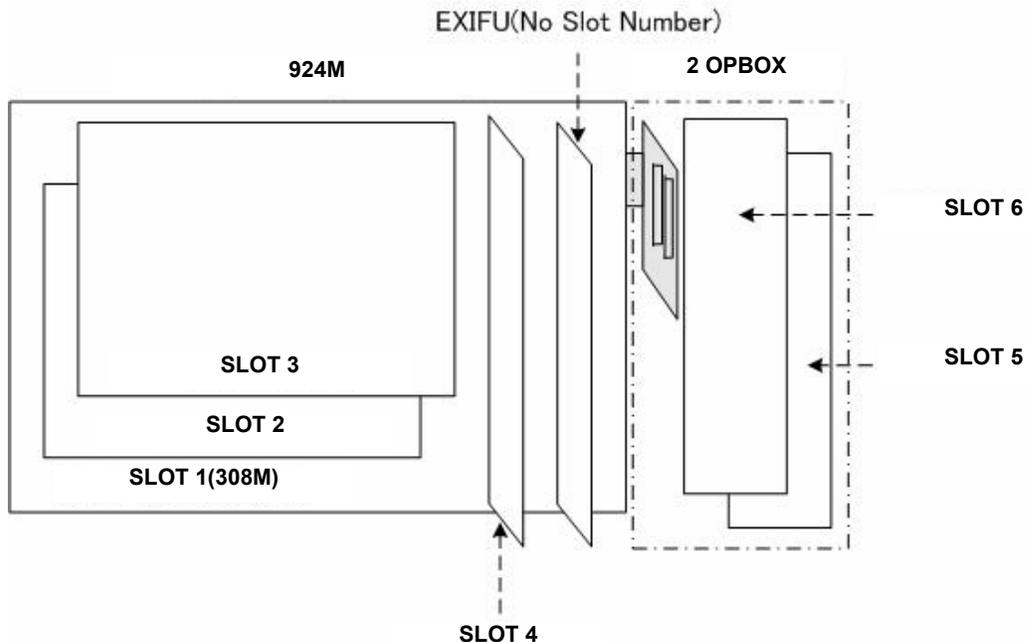
4. Concept of Trunk/Extension Ports

The system decides the regulation of software port calculation as below;
- 308M/308E Unit = Up to 3 Trunk Ports and 8 Extension Ports
- 008E Unit = Up to 8 Extension Ports

5. Port Calculation for Trunk and/or Extension

In case the Trunk and/or Extension Interface Card (308M,308E or 008E) is Installed to a slot, the system will automatically be detected the type of Interface card, then assign the Trunk port and/or Exten-

sion port to a slot.

6. Port Calculation for ISDN BRI

The 2/4BRIU card supports for both T-Bus connection and S-bus connection.

Example Port Calculation

Slot No.	Unit Name	Port Configuration
Slot1	308M	Trunk port 1-3 Extension port 1-8
Slot2	308E	Trunk port 4-6 Extension port 9-16
Slot3	008E	Extension port 17-24
Slot4	2PGDU	
Slot5	4BRIU(T/S) Circuit 1-2: T Circuit 3-4: S	Trunk port 7-10 Extension port 25-28
Slot6	4BRI(T) Circuit 1-4: T	Trunk port 11-18

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Description

Use **Program 10-01 : Time and Date** to change the system Time and Date through system programming. Extension users can also dial Service Code 828 to change the Time if allowed by an extension's Class of Service.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
10-01-01	Year	00-99	No setting	Enter two digits for year (00-99)	
10-01-02	Month	01-12	No setting	Enter two digits(01-12) for the month	
10-01-03	Day	01-31	No setting	Enter two digits(01-31) for the day	
10-01-04	Week	1-7 (Sun-Sat)	No setting	Enter digit for the day of the week (1=Sunday,........,7=Saturday)	
10-01-05	Hour	00-23	No setting	Enter two digits(00-23) for the hour	10-24
10-01-06	Minute	00-59	No setting	Enter two digits(00-59) for the Minute	
10-01-07	Second	00-59	No setting	Enter two digits(00-59) for the second	

Conditions

None

Feature Cross Reference

♦ Time and Date

Telephone Programming Instructions

To enter data for Program 10-01 (Time and Date):
1. Enter the programming mode.
2. Enter 10 01

10-01-01
Year

3. Enter the number of the item you want to program.

10-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
OR
Press DC once to enter a new item number.
OR
Press DC until you've exited that series' programming section

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PROGRAM 10: SYSTEM CONFIGURATION SETUP
10-02: LOCATION SETUP

Description

Use **Program 10-02 : Location Setup** to define the location of the installed system. Used for caller ID editing.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
10-02-01	Country Code	Dial (up to 4 digits)	No setting	Enter the country code	
10-02-02	International Access Code	Dial (up to 4 digits)	00	Enter the international access code	
10-02-03	Other Area Access Code	Dial (up to 2 digits)	0	Enter the other area access code. The entered data will be added in front of received caller ID for ISDN lines. This is only valid if PRG 20-19-03 is enabled.	20-19-03
10-02-04	Area Code	Dial (up to 6 digits)	No setting	Enter the local area code	
10-02-05	Trunk Access Code	Dial (up to 8 digits)	No setting	Add Sub Address to S-point terminal	
10-02-06	Country Selection	0:Australia 1: New Zealand	0	Specify the country where the system is installed.	

Conditions

None

Feature Cross Reference

♦   Caller ID

Telephone Programming Instructions

To enter data for Program 10-02 (Location Setup):
1. Enter the programming mode.
2. Enter 10 02

> **10-02-01**
> **Country Code**

3. Enter the number of the item you want to program.

> **10-02-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
    Press DC until you've exited that series' programming section.

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PROGRAM 10: SYSTEM CONFIGURATION SETUP
10-03: PCB SETUP

Description

Use **Program 10-03 : PCB Setup** to setup and confirm the Basic Configuration data for each PCB.
When changing a defined terminal type, first set the type to '0' and then plug the new device in to have the system automatically define it, alternatively redefine the type manually.
Program 10-03 allows the editing of installed units (PCB's), you can not edit the settings if the slot is un-used, install the PCB first then edit the settings.

Note: The items highlighted in grey are read only and cannot be changed.

Input Data

Slot Number	1-18

For 308M/308E/008E Unit

Physical Port Number	Extension : 1-8 Trunk : 9-11

Prog. No.	Item	Input data	Default	Related Programming
10-03-01	Terminal Type	0 : No setting 1 : Multi-Line Telephone 2 : Single Line Telephone 10 : DSS Console 13 : Trunk 3-9,11,12 : -Not Used-	0	33-01
10-03-02	Logical Port Number (see **Note 1**)	Station : 0-72 Trunk 0-51	0	
10-03-03	Transmit Gain Level for SLT	1-63(-15.5…….+15.5dB)	32 (0dB)	
10-03-04	Receive Gain Level for SLT	1-63(-15.5…….+15.5dB)	32 (0dB)	

Note 1) Reference and a setup are possible only for a Station port.

For 2PGDU Unit

Physical Port Number	1-4

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PROGRAM 10: SYSTEM CONFIGURATION SETUP
10-03: PCB SETUP

Prog. No.	Item	Input data	Default
10-03-01	Terminal Type	**Physical port Number 1-2** 0 : No setting 8 : Doorphone (1-7,10,11 : -Not Used-) **Physical port Number 3-4** 0 : No setting 6 : External Speaker 7 : External Trunk Audible 9 : External Music Source (MOH or BGM) (1-5,8,10,11 : -Not Used-)	Physical port 1-2: 8 Physical port 3-4 : 6
10-03-02	Logical Port Number	0-6	0
10-03-03	Relay setting (see **Note 1**)	0-4 (0 : Not Used)	Relay No.1 : 1 Relay No.2 : 2

Note 1) The Relays can be assigned up to 2 ports for a 2PGDU Unit.

For BRIU Unit

ISDN Line Number	1-4

Note 1) The start port number of a BRI line is displayed. Two logic ports are automatically assigned to a BRI line.

Note 2) Each timer value of Layer3 are set up for every type of Program 81-06 (Trunk mode) and Program 82-06 (S-Bus).

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PROGRAM 10: SYSTEM CONFIGURATION SETUP
10-03: PCB SETUP

Prog. No.	Item	Input data	Default
10-03-01	ISDN Line Mode	0 : No setting 1 : T-Point 2 : S-Point 3 - 5 : Not Used 6 : S-Point (Leased Line)	1
10-03-02	Logical Port Number (see **Note 1**)	[0 : No setting] : 0 [1 : T-Point] : 1 - 8 [2 : S-Point, 6 : S-Point (Leased Line)] : 11-26	0
10-03-03	Connection Type	0 : P-MP 1 : P-P	0
10-03-04	Layer 3 Timer Type (see **Note 2**)	1-5	1
10-03-05	CLIP Information Announcement	0 : Disable 1 : Enable	1
10-03-06	Connection Bus Mode (S-point only)	0 : Extended Passive Bus 1 : Short Passive Bus	1
10-03-07	S-point DID digits	0-4	0
10-03-08	Dial Sending Mode	0 : Enblock sending 1 : Overlap sending	1
10-03-09	Dial Information Element (Only for Overlap Sending Mode)	0 : Keypad Facility 1 : Called Party Number	1
10-03-10	-Not Used-	-	-
10-03-11	-Not Used-	-	-
10-03-12	-Not Used-	-	-
10-03-13	-Not Used-	-	-
10-03-14	Service Protocol for S-point	0 : Keypad facility 1 : Special Protocol for Topaz system	0

Conditions

None

Feature Cross Reference

None

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Telephone Programming Instructions

To enter data for Program 10-03 (PCB Setup):
1. Enter the programming mode.
2. Enter 10 03

> **10-03-01SlotNo**

3. Enter the number of the item you want to program.

> **10-03-xxSlotNoxx**
> **xxxxx**

4. Select a Slot number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
   Or, press FLASH once to select the slot number or press FLASH twice to select a port number.
   Enter the slot or port number.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 10: SYSTEM CONFIGURATION SETUP

10-04: MUSIC ON HOLD SETUP

Description

Use **Program 10-04 : Music on Hold Setup** to set the Music on Hold selection. For MOH, the system can provide silence to callers on Hold or one of two synthesized selections.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Programming
10-04-01	Music on Hold Source Selection	0: Internal source 1: External source	0	The Music on Hold (MOH) source can be internal (synthesized) or from a customer-provided music source. The customer-provided source can connect to a 2PGDU. Trunk MOH and Extension MOH music source use the same Music on Hold source.	33-01 10-03-01 (PGDU)
10-04-02	Music Selection for Internal Source	0- Silence (no sound) 1- Type 1	1	Type 1: Farewell Song (by Chopin)	
10-04-03	Audio Gain Setup	1-63 (-15.5….. +15.5dB)	32 (0dB)		

Conditions

None

Feature Cross Reference

♦   Music on Hold

Telephone Programming Instructions

To enter data for Program 10-04 (Music on Hold Setup):
1. Enter the programming mode.
2. 10 04

10-04-01
Hold Music Set

3. Enter the number of the item you want to program.

10-04-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 10: SYSTEM CONFIGURATION

10-06: ISDN BRI SETUP

Description

Use **Program 10-06 : ISDN BRI Setup** defines the TEI selection and DID mode for DID callers when the BRI feature is used. Previously, if the called party number did not match the SPID number, the system would not allow the call to go through. And to enter the SPID (Service Profile ID) assigned to each of the system's BRI ISDN lines. Each BRI PCB has a maximum of two lines and each line can have a maximum of two SPIDs.

To use both channels of a BRI ISDN line, two directory numbers must be ordered from telco. A SPID will be assigned for each directory number.

Input Data

SLOT No.	5,6

ISDN Line No.	1-4

Prog. No.	Item	Input Data	Default	Description
10-06-01	TEI selection	0 : Select by SPID number 1 : Select by Channel ID Number	0	
10-06-02	DID mode	0 : Route by Called Party Number 1 : Route by Redirecting Number	0	
10-06-03	SPID1	Dial (Up to 20 digits)	No setting	
10-06-04	SPID2			

Conditions

None

Feature Cross Reference

♦ ISDN Compatibility

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| SB |

PROGRAM 10: SYSTEM CONFIGURATION

10-06: ISDN BRI SETUP

Telephone Programming Instructions

To enter data for Program 10-06 (ISDN BRI Setup):

1. Enter the programming mode.
2. Enter 10 06

```
10-06-01SlotNo1
 BRI  TEI   0
```

3. Enter the number of the item you want to program.

```
 10-06-xxSlotNox
 xxxxx
```

4. Select the Slot Number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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Description

Use **Program 10-08 : Pre-Ringing Setup** to enable or disable pre-ringing for trunk calls. This sets how a trunk initially rings a telephone. With pre-ringing, a burst of ringing occurs as soon as the trunk's LED flashes. The call then continues ringing with the normal ring cadence cycle. Without pre-ringing, the call starts ringing only when the normal ring cadence cycle occurs. This may cause a ring delay, depending on when call detection occurs in reference to the ring cycle.

Input Data

Input Data	Default
0 : disable 1 : enable	0

Conditions

None

Feature Cross Reference

♦ Central Office Calls, Answering

Telephone Programming Instructions

To enter data for Program 10-08 (Pre-Ringing Setup):
1. Enter the programming mode.
2. Enter 10 08

10-08-01
Pre-ringing

3. Enter the number of the item you want to program.

10-08-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 10: SYSTEM CONFIGURATION SETUP

10-09: DTFM AND DIAL TONE CIRCIUT SETUP

Description

Use **Program 10-09 : DTMF and Dial Tone Circuit Setup** to allocate the circuits on the 308M PCBs for either DTMF receiving or dial tone detection. The 308M PCB has 16 circuits initially.
With additional DSPDBU is installed in 924M Main Cabinet, the system can provide a total of 32 (16+16) circuits.
These are used as follows:
• Extension : DTMF receiver for SLT
• Trunk   : DTMF receiver for analogue trunks, busy tone detection for analogue trunks

Input Data

Circuit/ Resource Number	Input Data	Default
01-32	0 : Common Use 1 : Extension Only 2 : Trunk only	Resource 01-32 = 0(Common) *In case of 924M system: 01-32(Including DSPDBU:16+16)

Conditions

None

Feature Cross Reference

♦ Central Office Calls, Placing
♦ Direct Inward Dialling (DID)
♦ Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 10-09 (DTMF and Dial Tone Circuit Setup):
1. Enter the programming mode.
2. Enter 10 09

```
10-09-01 Res  1
DTMF DT Detect
```

3. Enter the number of the item you want to program.

```
10-09-xx Resxx
xxxxx
```

4. Select the Resource Number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 10: SYSTEM CONFIGURATION SETUP

10-12: EXIFU NETWORK SETUP

Description

Use **Program 10-12 : EXIFU Network Setup** to setup the IP Address, Subnet-Mask, and Default Gateway addresses of EXIFU.

Prog. No.	Item	Input Data	Default	Condition
10-12-01	IP Address	0.0.0.0 - 126.255.255.254 128.0.0.0 - 191.254.255.254 192.0.0.0 - 223.255.254.254	172.16.0.10	
10-12-02	Subnet Mask	128.0.0.0 192.0.0.0 224.0.0.0 240.0.0.0 248.0.0.0 252.0.0.0. 254.0.0.0 255.0.0.0 255.128.0.0 255.192.0.0 255.224.0.0 255.248.0.0 255.252.0.0 255.254.0.0 255.255.0.0 255.255.128.0 255.255.192.0 255.255.224.0 255.255.248.0 255.255.252.0 255.255.254.0 255.255.255.0 255.255.255.128 255.255.255.192 255.255.255.224 255.255.255.240 255.255.255.248 255.255.255.252 255.255.255.254 255.255.255.255	255.255.0.0	The setting of Subnet-Masks are incorrect when all Host Addresses are 0. If the network section is; 0, 127 128.0 191.255 192.0.0 223.255.255 The setting of Sub-Net-Mask is incorrect.
10-12-03	Default Gateway	0.0.0.0 - 126.255.255.254 128.0.0.0 - 191.255.255.254 192.0.0.0 - 223.255.255.254	0.0.0.0	IP Address for Router
10-12-04	Time Zone	0 to 24 which is equivalent to –12 thru +12 Hours	12	
10-12-05	NIC	0 : Auto Detect 1 : 100Mbps, Full Duplex 2 : 100Mbps, Half Duplex 3 : 10Mbps, Full Duplex 4 : 10Mbps, Half Duplex	0	NIC Auto Negotiate
10-12-06	NAT Router	0 : Not Used 1 : Use	0	Connect NAT Router or not.
10-12-07	Default Gateway (WAN)	0.0.0.0 - 126.255.255.254 128.0.0.0 - 191.255.255.254 192.0.0.0 - 223.255.255.254	0.0.0.0	IP Address for Router (WAN side)

Conditions

System must be reset before a change to the IP Address or subnet mask will take effect.

Feature Cross Reference

♦ VoIP

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PROGRAM 10: SYSTEM CONFIGURATION SETUP

10-12: EXIFU NETWORK SETUP

Telephone Programming Instructions

To enter data for Program 10-12 (EXIFU Network Setup):

1. Enter the programming mode.
2. Enter 10 12

```
10-12-01
  172.16 .0  .10
```

3. Enter the number of the item you want to program.

```
10-12-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 10: SYSTEM CONFIGURATION SETUP

10:20 LAN SETUP FOR EXTERNAL EQUIPMENT

Description

Use **Program 10-20 : LAN Setup for External Equipment** to define the TCP port/address/etc. for communicating to external equipment.

Input Data

Type of External Equipment	5 : SMDR Output

Prog. No.	Item	Input data	Default
10-20-01	TCP Port	0-65535	0
10-20-02	-Not Used-	-	-
10-20-03	Keep alive time	1-255(sec)	30

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 10-20 (LAN Setup for External Equipment):
1. Enter the programming mode.
2. Enter 10 20

> **10-20-01 Ex-Dev1**
> **TCP Port**

3. Enter the number of the item you want to program.

> **10-20-xx Ex-Devx**
> **xxxxx**

4. Select the External Device number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

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Description

Use **Program 10-21 : EXIFU Hardware Setup** to set up various hardware, such as the baud rate of COM port.

Input Data

Prog. No.	Item	Input Data	Default	Description
10-21-01	-Not Used-	-	-	-
10-21-02	Baud rate for COM Port	0 : 4800 1 : 9600 2 : 19200 3 : 38400 4: 57600 5: 115200	5	Define the baud rate of the COM port within the EXIFU-A1/B1. System must be reset before a change in setting will take effect.

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 10-21 (EXIFU Hardware Setup):
1. Enter the programming mode.

10-21-02
COM Baud Rate 3

2. Enter 10 21

10-21-xx
xxxxx

3. Enter the number of the item you want to program.
4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

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Description

Use **Program 10-24 : Daylight Savings Setup** to set the options for daylight savings.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
10-24-01	Day light Savings Mode	0 : Off 1 : On	0	
10-24-02	Time for Daylight Savings	0000-2359	0200	
10-24-03	Start of Month (Summer Time)	1-12	10	
10-24-04	Start of Week	0 : Last Week 1-5	0	
10-24-05	Start of Week day	1-7(Sun=1,Mon=2,…….etc)	1	
10-24-06	End of Month	1-12	3	
10-24-07	End of Week	0 : Last Week 1-5	0	
10-24-08	End of Week Day	1-7(Sun=1,Mon=2,…….etc)	1	

Conditions

None

Feature Cross Reference

♦   Time and Date

Telephone Programming Instructions

To enter data for Program 10-24 (Daylight Savings Setup):
1. Enter the programming mode.
2. Enter 10 24

10-24-01
Daylight Saving

3. Enter the number of the item you want to program.

10-24-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 11-01 : System Numbering** to set the system's internal (Intercom) numbering plan.
The numbering plan assigns the first and second digits dialled and affects the digits an extension user must dial to access other extensions and features, such as service codes and trunk codes. If the default numbering plan does not meet the site requirements, use this program to tailor the system numbering to the site.

CAUTION

Improperly programming this option can adversely affect system operation. Make sure you thoroughly understand the default numbering plan before proceeding. If you must change the standard numbering, use the chart for **System Numbering** (page 52) to keep careful and accurate records of your changes. ***Before changing your numbering plan, use the PC Program to make a backup copy of your system's data.***

Changing the numbering plan consists of three steps:

1. Enter the digits you want to change.
2. Specify the length of the code you select to change.
3. Assign a function to the code selected.

Step 1: Enter the digit you want to change
You can make either single or two digit entries. In the Dialled Number column in the **System Numbering** (page 52) table, the nX rows (e.g., 1x) are for single digit codes. The remaining rows (e.g., 11, 12..., etc.) are for two digit codes.

1. Entering a single digit affects all the Dialled Number entries beginning with that digit. For example, entering 6 affects all number plan entries beginning with 6. The entries you make in step 2 and step 3 below affect the entire range of numbers beginning with 6. (For example, if you enter 3 in step 2 the entries affected would be 600-699. If you enter 4 in step 2 below, the entries affected would be 6000-6999.)

2. Entering two digits lets you define codes based on the first two digits a user dials. For example, entering 60 allows you to define the function of all codes beginning with 60. In the default program, only * and # use two-digit codes. All the other codes are single digit. If you enter a two digit code between 0 and 9, be sure to make separate entries for all the other two digit codes within the range as well. This is because in the default program all the two digit codes between 0 and 9 are undefined.

Step 2: Specify the length of the code you want to change
After you specify a single or two digit code, you must tell the system how many digits comprise the code. This is the ***Number of Digits Required*** column in the **System Numbering** (page 52) table. In the default program, all codes from 100-899 are three digits long. Codes beginning with 0 and 9 are one digit long. Codes beginning with * are 4 digits long and codes beginning with # are also 4 digits long.

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Step 3: Assign a function to the code selected

After entering a code and specifying its length, you must assign its function. This is the Dial Type column in

Dial Types	Dial Type Description	Related Program
0	-Not Used-	
1	Service Code	11-10: Service Code Setup (for System Administrator) 11-11: Service Code Setup (for Setup/Entry) 11-12: Service Code Setup (for Service Access) 11-15: Service Code Setup (for Special Access)
2	Extension Number	11-02: Extension Number 11-04: Virtual Extension Number 11-06: ACI Extension Numbering 11-07: Department Calling Group Numbers 11-08: ACI Group Pilot Number
3	Trunk Access Number	11-09: Trunk Access Code
4	Special Trunk Access	11-09: Trunk Access Code
5	Operator Access	20-17: Operator's Extension
6	ARS/F-Route Access	44-xx

the **System Numbering** (page 52) table. The choices are:

1 Changing the *Dial Type* for a range of codes can have a dramatic affect on how your system operates. Assume, for example, the site is a hotel that has room numbers from 100-399. In order to make extension numbers correspond to room numbers, you should:

- In Program 11-02, reassign extension numbers on each floor from 100 to 399.(Other applications might also require you to change entries in Program 11-10 through 11-16.)

System Numbering table;

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PROGRAM 11: SYSTEM NUMBERING

11-01: SYSTEM NUMBERING

Dialled Number		Number of digits	Dial Type (Default)	Input data
1st figure	2nd figure			0 : Not used 1 : Service Code Access 2 : Extension Access 3 : Trunk Access 4 : Special Trunk Access 5 : Operator Access 6 : Flexible Routing Access
1	1x	3	2 (Extension access)	
	11-1#	0	0 (Not Used)	
2	2x	3	2 (Extension access)	
	21-2#	0	0 (Not Used)	
3	3x	3	2 (Extension access)	
	31-3#	0	0 (Not Used)	
4	4x	3	2 (Extension access)	
	41-4#	0	0 (Not Used)	
5	5x	3	2 (Extension access)	
	51-5#	0	0 (Not Used)	
6	6x	4	1 (Service code access)	
	61-6#	0	0 (Not Used)	
7	7x	3	1 (Service code access)	
	71-7#	0	0 (Not used)	
8	8x	3	1 (Service code access)	
	81-8#	0	0 (Not used)	
9	9x	1	5 (Operator access)	
	91-9#	0	0 (Not used)	
0	0x	1	3 (Trunk access)	
	01-0#	0	0 (Not used)	
*****	*x	1	1 (Service code access)	
	1-#	0	0 (Not used)	
#	#x	4	1 (Service code access)	
	#1-##	0	0 (Not used)	

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PROGRAM 11: SYSTEM NUMBERING

11-01: SYSTEM NUMBERING

Conditions

None

Feature Cross Reference

♦   Flexible System Numbering

Telephone Programming Instructions

To enter data for Program 11-01 (System Numbering):

1. Enter the programming mode.
2. Enter 11 01

11-01-01 Dial 1
1x   Digit 3

3. Enter the number of the item you want to program.

11-01-xx Dial x
xxxxx

4. Select the dial number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-02: EXTENSION NUMBERING

Description

Use **Program 11-02 : Extension Numbering** to set the extension number. The extension number can be up to four digits long. The first/second digit(s) of the number should be assigned in Program 11-01. This lets an employee move to a new location (port) and retain the same extension number.

Input Data

Extension Port Number	01-96

Extension Number	Description
Dial (up to 4 digits)	♦ Set up extension numbers for Key Telephones, Single Line Telephones ♦ Extension number assignments cannot be duplicated.

Default

Extension Port Number	Extension Number
1	200
:	:
96	295

Conditions

None

Feature Cross Reference

♦ Department Calling
♦ Flexible System Numbering
♦ Intercom

Telephone Programming Instructions

To enter data for Program 11-02 (Extension Numbering):
1. Enter the programming mode.
2. Enter 11 02

> **11-02-01Ex Prt1**
> **Extension No200**

3. Enter the number of the item you want to program.

> **11-02-xxEx Prtxx**
> **xxxxx**

4. Select the extension port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-04: VIRTUAL EXTENSION NUMBERING

Description

Use **Program 11-04 : Virtual Extension Numbering** to define the virtual extension numbers. The extension number can be up to four digits long. The first/second digit(s) of the number should be assigned in Program 11-01.

Input Data

Virtual Extension Port Number	01-50

Virtual Extension Number	Description
Dial (up to 4 digits)	Set up Virtual Extension Numbers. The extension number cannot be duplicated in Programs 11-02, 11-06, 11-07 and 11-08.

Default

Virtual Extension Port Number 1-50: No setting

Conditions

None

Feature Cross Reference

- ♦ Flexible System Numbering
- ♦ Multiple Directory Numbering/ Call Coverage

Telephone Programming Instructions

To enter data for Program 11-04 (Virtual Extension Numbering):
1. Enter the programming mode.
2. Enter 11 04

```
11-04-01V-Port1
Vir Ext No.
```

3. Enter the number of the item you want to program.

```
11-04-xxV-Port xx
xxxxx
```

4. Select the Virtual port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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Description

Use **Program 11-06 : ACI Extension Numbering** to define the ACI extension numbers. The extension number can be up to four digits long. The first/second digit(s) of the number should be assigned in Program 11-01.

ACI Port Number	1-6

ACI Extension Number	Description	Related Program
Dial (up to 4 digits)	The extension number cannot be duplicated in Programs 11-02, 11-04, 11-06 and 11-07.	10-03

Default

ACI Port Number 1-6: No setting (ACI Extension Number)

Conditions

♦   Analogue Communication Interface (ACI)
♦   Flexible Station Numbering

Telephone Programming Instructions

To enter data for Program 11-06 (ACI Extension Numbering):
1. Enter the programming mode.
2. Enter 11 06

> **11-06-01ACIPort1**
> **ACI Ext No**

3. Enter the number of the item you want to program.

> **11-06-xxACIPortx**
> **xxxxx**

4. Select the ACI Port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

PROGRAM 11: SYSTEM NUMBERING

11-07: DEPARTMENT GROUP PILOT NUMBERS

Description

Use **Program 11-07 : Department Group Pilot Numbers** to assign pilot numbers to each Department Group set up in Program 16-02. The pilot number is the number users dial for Department Calling and Department Step Calling. The pilot number can be up to four digits long. The first/second digit(s) of the number should be assigned in Program 11-01 as type 2.

Department (Extension) Group Number	1-32

Extension Group Pilot Number	Description	Related Program
Dial (up to 4 digits)	♦ Use this program to assign department group pilot numbers. ♦ The number set up by Program 11-02 (Extension Numbering) cannot be used. ♦ The extension number cannot be duplicated in Programs 11-02, 11-04, 11-06 and 11-08.	• 16-01 : Department (Extension) Group Basic Data Setup • 16-02 : Department Group Assignment for Extensions • 16-03 : Secondary Department Group

Default

Extension Group Number 1-32: No setting (Extension Group Pilot Number)

Conditions

None

Feature Cross Reference

♦ Department Calling
♦ Department Step Calling

Telephone Programming Instructions

To enter data for Program 11-07 (Department Group Pilot Numbering):
1. Enter the programming mode.
2. Enter 11 07

11-07-01TEL Gr1
Ext Grp No.

3. Enter the number of the item you want to program.

11-07-xxTEL Grpxx
xxxxx

4. Select the Telephone group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 11-08 : ACI Group Pilot Number** to assign the pilot number to the ACI Groups set in Program 33-02. The pilot number can be up to four digits long. The first/second digit(s) of the number should be assigned in Program 11-01 as type 2.

ACI Group Number	1-4

ACI Group Pilot Number	Description	Related Program
Dial (up to 4 digits)	The extension number cannot be duplicated in Programs 11-02, 11-04, 11-06 and 11-07.	33-07

Default

ACI Group Number 1-4: No setting (ACI Group Pilot Number)

Conditions

None

Feature Cross Reference

♦ Analogue Communication Interface (ACI)

Telephone Programming Instructions

To enter data for Program 11-08 (ACI Group Pilot Numbering):
1. Enter the programming mode.
2. Enter 11 08

| **11-08-01ACI Grp1**
Pilot No |
| --- |

3. Enter the number of the item you want to program.

| **11-08-xxTEL Grpxx**
xxxxx |
| --- |

4. Select the ACI group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-09: TRUNK ACCESS CODE

Description

Use **Program 11-09 : Trunk Access Code** to assign the trunk access code (normally 0). The trunk access code can be set from 1 to 4 digits which is defined to type 3 and 4 in Program 11-01. This is the code extension users dial to access Automatic Route Selection. The Individual Trunk Access Code is used when Trunk Group Routing is desired for an outgoing line.

Caution

The digit 0 is defined in Program 11-01 as Dial Type 3 with the Number of Digits Required set to 1. If you change the trunk access code in Program 11-09, you must make the corresponding changes in Program 11-01.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
11-09-01	Trunk Access Code (for Type3)	Dial (Up to 4 digits)	0	Use this program to assign the trunk access code (normally 0). This is the code extension Users dial to access Automatic Route Selection.	• 11-01 : System Numbering • 14-01-07 : Trunk Basic Data Setup • 14-05 : Trunk Group • 14-06 : Trunk Group Routing
11-09-02	Alternate Trunk Route Access Code (for Type4)	Dial (Up to 4 digits)	No Setting	Use this program to define additional trunk access codes. When a user dials the Alternate Trunk Route Access Code, the system routes their call to the Alternate Trunk Route.	• 11-01 : System Numbering • 14-01-07 : Trunk Basic Data Setup • 14-05 : Trunk Group • 14-06 : Trunk Group Routing • 21-02 : Trunk Group Routing for Extensions • 21-15: Alternate Trunk Group Routing for Extensions

Conditions

None

Feature Cross Reference

♦ Automatic Route Selection
♦ Central Office Calls, Placing
♦ Trunk Group Routing

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Telephone Programming Instructions

To enter data for Program 11-09 (Trunk Access Code):
1. Enter the programming mode.
2. Enter 11 09

> **11-09-01**
> **Trunk Acs CD 0**

3. Enter the number of the item you want to program.

> **11-09-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section

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PROGRAM 11: SYSTEM NUMBERING

11-10: SERVICE CODE SETUP (FOR SYSTEM ADMINISTRATOR)

Description

Use **Program 11-10 : Service Code Setup (for System Administrator)** to customize the Service Codes for the System Administrator. You can customize additional Service Codes in Programs 11-11, 11-12, 11-15, and 11-16. The following chart shows:
• The number of each code (01-)
• The function of the Service Code.
• What type of telephones can use the Service Code
• The code's default entry. For example, dialling 724 (item 26) allows users to force a trunk line to disconnect.
• Programs that may be affected with the changing the code.

Input Data

Prog. No.	Item	Terminals	Default	Related Program
11-10-01	Day / Night Mode Switching	KTS,SLT	818	12-xx 20-07-01
11-10-02	Changing the Music on Hold Tone	KTS	881	10-04
11-10-03	Setting the System Time	KTS	828	
11-10-04	Storing Common Abbreviated Dialling Numbers	KTS	853	
11-10-05	Storing Group Abbreviated Dialling Numbers	KTS	854	
11-10-06	Setting the Automatic Transfer for Each Trunk Line	KTS	833	
11-10-07	Cancelling the Automatic Transfer for Each Trunk Line	KTS	834	
11-10-08	Setting the Destination for Automatic Trunk Transfer	KTS	835	
11-10-09	Charging Cost Display	KTS	771	
11-10-10	-Not Used-	-	-	
11-10-11	Entry of Credit for Toll Restriction	KTS	774	
11-10-12	Night Mode Switching (Other Groups)	KTS	718	12-xx
11-10-13	-Not Used-	-	-	
11-10-14	-Not Used-	-	-	
11-10-15	-Not Used-	-	-	
11-10-16	Leaving Message Waiting	KTS	726	11-11-09
11-10-17	Dial Block by Supervisor	KTS	701	90-19
11-10-18	Off-Premise Call Forward by Doorphone	KTS	822	13-05
11-10-19	-Not Used-	-	-	
11-10-20	VRS - Record/Erase Message	KTS,SLT	716	20-07-13
11-10-21	VRS - General Message Playback	KTS,SLT	711	20-07-14
11-10-22	VRS - Record or Erase General Message	KTS,SLT	712	20-07-15
11-10-23	SMDR – Extension Accumulated Printout Code	KTS	721	20-07-18
11-10-24	SMDR - Group Accumulated Printout Code	KTS	722	20-07-19
11-10-25	Account Code Accumulated Printout Code	KTS	723	20-07-20
11-10-26	Forced Trunk Disconnect (For Analogue Trunk only)	KTS,SLT	724	20-07-11
11-10-27	Trunk Port Disable	KTS	745	20-07-12
11-10-28	-Not Used-	-	-	
11-10-29	-Not Used-	-	-	

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PROGRAM 11: SYSTEM NUMBERING

11-10: SERVICE CODE SETUP (FOR SYSTEM ADMINISTRATOR)

Conditions

None

Feature Cross Reference

Refer to chart on previous page.

Telephone Programming Instructions

To enter data for Program 11-10 (Service Code Setup):
1. Enter the programming mode.

```
11-10-01
 NT-Mod SW 818
```

2. Enter 11 10
3. Enter the number of the item you want to program.

```
11-10-xx
 xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-11: SERVICE CODE SETUP (FOR SETUP/ENTRY)

Description

Use **Program 11-11 : Service Code Setup (for Setup/Entry Operation)** to customize the Service Codes which are used for registration and setup. You can customize additional Service Codes in Programs 11-10, 11-12, 11-15 and 11-16. The following chart shows:
• The number of each code (01-)
• The function of the Service Code.
• What type of telephones can use the Service Code
• The code's default entry. For example, dialling 825 (item 18) allows users to turn on or turn off Background Music.
• Programs that may be affected with the changing the code.

Input Data

Prog. No.	Item	Terminals	Default	Related Program
11-11-01	Call Forward – Immediate	KTS,SLT	848	
11-11-02	Call Forward – Busy	KTS,SLT	843	
11-11-03	Call Forward – No Answer	KTS,SLT	845	
11-11-04	Call Forward – Busy/ No Answer	KTS,SLT	844	
11-11-05	Call Forward – Dual Ring	KTS,SLT	842	
11-11-06	Call Forward – Select Option	KTS,SLT	888	
11-11-07	Call Forward – Follow me	KTS,SLT	846	
11-11-08	Do Not Disturb	KTS,SLT	847	
11-11-09	Set/Answer Message Waiting	KTS,SLT	841	11-10-16
11-11-10	Cancel All Message Waiting	KTS,SLT	873	
11-11-11	Cancel Message Waiting	KTS,SLT	871	
11-11-12	Alarm Clock	KTS,SLT	827	20-01-06
11-11-13	Display Language Selection	KTS	778	15-02
11-11-14	Text Message Setting	KTS	836	
11-11-15	Incoming Intercom Call mode setting (Voice)	KTS	821	20-09-05 20-02-12
11-11-16	Incoming Intercom Call mode setting (Signal)	KTS	823	20-09-05 20-02-12
11-11-17	Programmable Function Key Programming (Dialling 851 Service Code)	KTS	851	15-07 11-11-38
11-11-18	BGM On/Off	KTS	825	
11-11-19	Key Touch Tone On/Off	KTS	824	
11-11-20	-Not Used-	-	-	
11-11-21	-Not Used-	-	-	
11-11-22	Extension Name Programming	KTS	800	15-01
11-11-23	DID/DISA/DIL Override for Second call	KTS	779	
11-11-24	**Change Extension Class of Service** Allows an extension user to change the COS of another extension. Must be allowed in Program20-13-28.	KTS	777	20-13-28

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PROGRAM 11: SYSTEM NUMBERING

11-11: SERVICE CODE SETUP (FOR SETUP/ENTRY)

Input Data (cont.)

Prog. No	Item	Terminals	Default	Related Program
11-11-25	Automatic Transfer Setup for Each Extension Group	KTS,SLT	702	20-11-17 24-05
11-11-26	Automatic Transfer Cancellation for Each Extension Group	KTS,SLT	703	
11-11-27	Destination of Automatic Transfer Each Extension Group	KTS	704	20-11-17 24-05
11-11-28	Delayed Transfer for Every Extension Group	KTS,SLT	705	20-11-17 24-05 24-02-08
11-11-29	Delayed Transfer Cancellation for Each Extension Group	KTS,SLT	706	20-11-17
11-11-30	DND Setup for Each Extension Group	KTS,SLT	707	
11-11-31	DND Cancellation for Each Extension Group	KTS,SLT	708	
11-11-32	-Not Used-	-	-	
11-11-33	Dial Block	KTS,SLT	700	
11-11-34	Temporary Toll Restriction Override	KTS,SLT	875	21-07
11-11-35	Pilot Group Withdrawing	KTS,SLT	750	
11-11-36	Toll Restriction Override	KTS,SLT	763	21-14
11-11-37	Adjusting Ring Volume	KTS	829	
11-11-38	Programmable Function Key Programming (Dialling 852 Service Code: Appearance Level))	KTS	852	15-07 11-11-17
11-11-39	-Not Used-	-	-	
11-11-40	VRS/ Off-Premise Call Forwarding/Selectable Display Message	KTS,SLT	713	
11-11-41	Tandem Ringing	KTS,SLT	744	
11-11-42	Transfer Dial Setting for Out of Range	KTS	789	13-06
11-11-43	Headset Ringing Mode Switching	KTS,SLT	788	

Conditions

None.

Feature Cross Reference

Conference

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PROGRAM 11: SYSTEM NUMBERING

11-11: SERVICE CODE SETUP (FOR SETUP/ENTRY)

Telephone Programming Instructions

To enter data for Program 11-11 (Service Code Setup (for Setup/Entry Operation)):
1 Enter the programming mode.

11-11-01
CF-Immediate 848

2. Enter 11 11
3. Enter the number of the item you want to program.

11-11-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-12: SERVICE CODE SETUP (FOR SERVICE ACCESS)

Description

Use **Program 11-12 : Service Code Setup (for Service Access)** to customize the Service Codes which are used for service access. You can customize additional Service Codes in Programs 11-10, 11-11, 11-15 and 11-16.

The following chart shows:
• The number of each code (01-)
• The function of the Service Code.
• What type of telephones can use the Service Code
• The code's default entry. For example, dialling 805 (code 05) will cancel a previously set Camp-On.
• Programs that may be affected with the changing the code.

Input Data

Prog. No.	Item	Terminals	Default	Related Program
11-12-01	**Call Forwarding / Do Not Disturb Override** Activating Call Forwarding/Do Not Disturb Override. This code is only available if you disable the voice mail Single Digit dialling code in Program 11-16-09.	KTS,SLT	807	11-16-09
11-12-02	Conference	KTS,SLT	826	
11-12-03	Override (Off-Hook Signalling)	KTS,SLT	809	
11-12-04	Camp on/Call Waiting Callback	KTS,SLT	850	
11-12-05	Cancel Camp on	KTS,SLT	870	
11-12-06	Switching of Voice Call and Signal Call	KTS,SLT	812	
11-12-07	Step Call	KTS,SLT	808	
11-12-08	Barge-In	KTS,SLT	810	
11-12-09	Change to STG All Ring	KTS,SLT	780	16-02
11-12-10	Common Personal Abbreviated Dialling	KTS,SLT	*	
11-12-11	Group Abbreviated Dialling	KTS,SLT	814	
11-12-12	Last Number Dial	KTS,SLT	#	
11-12-13	Saved Number Dial	KTS,SLT	815	
11-12-14	Trunk Group Access	KTS,SLT	804	
11-12-15	Specified Trunk Access	KTS,SLT	805	
11-12-16	Trunk Access Via Networking	KTS	866	
11-12-17	Clear Last Number Dialling Data	KTS,SLT	876	
11-12-18	Clear Saved Number Dialling Data	KTS,SLT	885	
11-12-19	Internal Group Paging	KTS,SLT	801	31-01-01
11-12-20	External Group Paging	KTS,SLT	803	
11-12-21	Meet Me Answer to Specified Internal Paging Group	KTS,SLT	864	
11-12-22	Meet Me Answer to External Paging	KTS,SLT	865	
11-12-23	Meet Me Answer in Same Paging Group	KTS,SLT	863	
11-12-24	Paging Combined	KTS,SLT	751	31-07

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Input Data (cont)

Prog. No.	Item	Terminals	Default	Related Program
11-12-25	Direct Call Pickup - Own Group	KTS,SLT	856	
11-12-26	Call Pickup for Specified Group	KTS,SLT	868	
11-12-27	Call Pickup	KTS,SLT	867	
11-12-28	Call Pickup for Another Group	KTS,SLT	869	
11-12-29	Direst Extension Call Pickup	KTS,SLT	715	
11-12-30	Specified Trunk Answer	KTS,SLT	772	
11-12-31	Park	KTS,SLT	831	24-03
11-12-32	Answer for Park	KTS,SLT	861	24-03
11-12-33	Group Hold	KTS,SLT	832	
11-12-34	Answer for Group Hold	KTS,SLT	862	
11-12-35	Extension Park Hold	KTS,SLT	773	
11-12-36	Doorphone Access	KTS,SLT	802	
11-12-37	Common Cancelling Service Code	KTS,SLT	720	
11-12-38	-Not Used-	-	-	
11-12-39	VRS Access (for DSPDB)	KTS,SLT	884	
11-12-40	-Not Used-	-	-	
11-12-41	-Not Used-	-	-	
11-12-42	Flash on Trunk Line	SLT	806	
11-12-43	Universal Answer	SLT	872	14-05 14-06
11-12-44	Callback Test for SLT	SLT	899	
11-12-45	Enable On Hook When Holding (SLT)	SLT	849	15-03-07
11-12-46	Answer On Hook When Holding (SLT)	SLT	859	15-03-08
11-12-47	**Call Waiting Answer / Split Answer for SLT** Splitting (switching) between calls	SLT	894	11-12-03
11-12-48	Account Code	SLT	891	
11-12-49	-Not Used-	-	-	
11-12-50	-Not Used-	-	-	
11-12-51	Call own mailbox (external Voicemail)	-	717	
11-12-52	Line Monitoring		725	
11-12-53	SLT Live Recording	-	754	
11-12-54	-Not Used-	-	-	
11-12-55	-Not Used-	-	-	

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Input Data (cont)

Prog. No.	Item	Terminals	Default	Related Program
11-12-56	-Not Used-	-	-	
11-12-57	Tandem Trunking (Unsupervised Conference)	KTS,SLT	753	
11-12-58	Transfer into Conference	KTS,SLT	No Setting	

Conditions

None

Feature Cross Reference

Refer to chart above.

Telephone Programming Instructions

To enter data for Program 11-12 (Service Code Setup (for Service Access)):
1. Enter the programming mode.
2. Enter 11 12

11-12-01
Bypass Call 807

3. Enter the number of the item you want to program.

11-12-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-15: SERVICE CODE SETUP (FOR SPECIAL ACCESS)

Description

Use **Program 11-15 : Service Code Setup, Administrative (for Special Access)** to customize the special access Service Codes which are used by the administrator. You can customize additional Service Codes in Programs 11-10 through 11-12 and 11-16.

The following chart shows:
• The number of each code (01-11)
• The function of the Service Code.
• What type of telephones can use the Service Code.
• The code's default entry.
• Programs that may be affected with the changing the code.

Input Data

Prog. No.	Item	Terminals	Default	Related Program
11-15-01	Remote Maintenance (PC Programming)		**830**	
11-15-02	-Not Used-	-	-	
11-15-03	Backup Data Save	**KTS**	6322	**90-03** **90-04**
11-15-04	-Not Used-	-	-	
11-15-05	System Programming Mode, Log-In	**KTS**	6321	
11-15-06	-Not Used-	-	-	
11-15-07	Recording Destination in Dial-In Conversion Table		**No Setting**	
11-15-08	Network Message Lamp Control		**No Setting**	
11-15-09	**Transfer to Trunk Ring Group Code** Allows a call to be transferred to the Universal Night Answer External Paging zones.		**No Setting**	**16-02**
11-15-10	-Not Used-	-	-	
11-15-11	Ethernet Port Reset		**No Setting**	

Conditions

None

Feature Cross Reference

Refer to chart above.

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PROGRAM 11: SYSTEM NUMBERING

11-15: SERVICE CODE SETUP (FOR SPECAIL ACCESS)

Telephone Programming Instructions

To enter data for Program 11-15 (Service Code Setup (for Special Access)):

1. Enter the programming mode.
2. Enter 11 15

11-15-01
Remote Maint 830

3. Enter the number of the item you want to program.

11-15-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 11: SYSTEM NUMBERING

11-16: ONE-DIGIT SERVICE CODE SETUP

Description

Use **Program 11-16 : One-Digit Service Code Setup** to customize the one-digit Service Codes used when a busy or ring back signal is heard. You can customize additional Service Codes in Programs 11-10 through 11-15.
The following chart shows:
• The number of each code (01-10)
• The function of the Service Code.
• What type of telephones can use the Service Code
• The code's default entry. For example, dialling 1 (code 03) when calling an extension will switch the call from either a voice or signal call (depending on how it's currently defined).
• Programs that may be affected by changing these codes.

Input Data

Prog. No.	Item	Terminals	Default	Related Program
11-16-01	Step Call (Busy + No Answer)	KTS,SLT	2	
11-16-02	Barge-In	KTS,SLT	No setting	
11-16-03	Switching of Voice/ Signal Call	KTS,SLT	1	
11-16-04	Intercom Off Hook Signalling	KTS,SLT	*	
11-16-05	Camp-On	KTS,SLT	0	
11-16-06	DND/Call Forward Override	KTS,SLT	No setting	
11-16-07	Message Waiting	KTS,SLT	No setting	
11-16-08	-Not Used-	-	-	
11-16-09	Access to Voice Mail	KTS,SLT	No setting	
11-16-10	STG All Ring Mode	KTS,SLT	No setting	16-01-05

Conditions

None

Feature Cross Reference

Refer to chart above
Telephone Programming Instructions

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PROGRAM 11: SYSTEM NUMBERING

11-16 ONE-DIGIT SERVICE CODE SETUP

Telephone Programming Instructions

To enter data for Program 11-16 (One-Digit Service Code Setup):

1. Enter the programming mode.
2. Enter 11 16

11-16-01
Step Call

3. Enter the number of the item you want to program.

11-16-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 12: NIGHT MODE SETUP

12-01: NIGHT MODE FUNCTION SETUP

Description

Use **Program 12-01 : Night Mode Function Setup** to set up the Night Mode options. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
12-01-01	Manual Night Service En-able	0 : Off 1 : On	1	Allows/prevents users from activating Night Service by dialling a service code.	11-10-01
12-01-02	Automatic Night Service	0 : Off 1 : On	0	According to a preset schedule, en-able or disable Automatic Night Service for the system.	12-02 12-03 12-04

Note: Even if the operation mode is changed manually, the operation mode changes according to the schedule set up.

Conditions

Feature Cross Reference

♦ Night Service

Telephone Programming Instructions

To enter data for Program 12-01 (Night Mode Function Setup):
1. Enter the programming mode.
2. Enter 12 01

> **12-01-01**
> **Manual NT-Mode 1**

3. Enter the number of the item you want to program.

> **12-01-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 12: NIGHT MODE

12-02: AUTOMATIC NIGHT SERVICE PATTERNS

Description

Use **Program 12-02 : Automatic Night Service Patterns** to define the daily pattern of the auto night switch setting. Each Night Mode Group has 10 patterns. These patterns are used in Programs 12-03 and 12-04. The daily pattern consists of 20 timer settings.

Input Data

Night Mode Service Group Number	1-4

Time Pattern Number	01-10

Set Time Number	01-20

Start Time	End Time	Operation Mode
0000-2359	0000-2359	1-8

Example 1:   Time Pattern 1

0:00   9:00   12:00   13:00   17:00   18:00   22:00   0:00

Mode3 Midnight	Mode1 Day	Mode4 Rest	Mode1 Day	Mode4 Rest	Mode2 Night	Mode3 Midnight

To make the above schedule, it is necessary to set the data as follows:

> **Time Setting 01 :   00:00 – 09:00   Mode 3 (Midnight)**
> **Time Setting 02 :   09:00 – 12:00   Mode 1 (Day)**
> **Time Setting 03 :   12:00 – 13:00   Mode 4 (Rest)**
> **Time Setting 04 :   13:00 – 17:00   Mode 1 (Day)**
> **Time Setting 05 :   17:00 – 18:00   Mode 4 (Rest)**
> **Time Setting 06 :   18:00 – 22:00   Mode 2 (Night)**
> **Time Setting 07 :   22:00 – 00:00   Mode 3 (Midnight)**

Example 2:   Time Pattern 2

0:00   0:00

Mode2 Night

To make the above schedule, it is necessary to set the data as follows:
> **Time Setting 01 :   00:00 – 00:00   Mode 2 (Night)**

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Default

All groups, all patterns:00:00 to 00:00 = Mode 1
All Night Group are as follows:

Time Pattern 1

Set Time Number	Start Time	End Time	Mode
01	0000	0800	2
02	0800	1700	1
03	1700	0000	2
04	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 2

Set Time Number	Start Time	End Time	Mode
01	0000	0000	2
02	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 3 - 10

Set Time Number	Start Time	End Time	Mode
01	0000	0000	1
:	:	:	:
20	0000	0000	1

Conditions

None

Feature Cross Reference

♦ Night Service

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PROGRAM 12: NIGHT MODE SETUP

12-02: AUTOMATIC NIGHT SERVICE PATTERNS

Telephone Programming Instructions

To enter data for Program 12-02 (Automatic Night Service Patterns):

1. Enter the programming mode.
2. Enter 12 02

12-02-01ModeGrp1
01-01Start=00:00

3. Enter the number of the item you want to program.

12-02-xxModeGrpx
xxxxx

4. Select the Night Mode Service Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 12: NIGHT MODE SETUP

12-03: WEEKLY NIGHT SERVICE SWITCHING

Description

Use **Program 12-03 : Weekly Night Service Switching** to define a weekly schedule of night-switch settings.

Input Data

Night Mode Service Group Number	1-4

Day of the Week	Time Schedule Pattern Number
01 = Sunday	01-10
02 = Monday	
03 = Tuesday	
04 = Wednesday	
05 = Thursday	
06 = Friday	
07 = Saturday	

Default

Day of the Week	Time Schedule Pattern Number
01 = Sunday	2
02 = Monday	1
03 = Tuesday	1
04 = Wednesday	1
05 = Thursday	1
06 = Friday	1
07 = Saturday	2

Conditions

None

Feature Cross Reference

♦ Night Service

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Telephone Programming Instructions

To enter data for Program 12-03 (Weekly Night Service Switching):

1. Enter the programming mode.
2. Enter 12 03

12-03-01ModeGrp1
SUN = Pttrn   2

3. Enter the number of the item you want to program.

12-03-xxModeGrpx
xxxxx

4. Select the Night Mode Service Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 12: NIGHT SERVICE MODE SETUP

12-04: HOLIDAY NIGHT SERVICE SWITCHING

Description

Use **Program 12-04 : Holiday Night Service Switching** to define a yearly schedule of holiday night-switch settings. This schedule is used for setting of special days which the company is expected to be closed, such as national holiday.

Input Data

Night Mode Service Group Number	1-4

Days and Months	Time Pattern Number
0101-1231 (Ex. 0101 = Jan.1st, 1231 = Dec.31st)	0-10 (0 : No Setting)

Default

All Night group are no Holiday settings.

Conditions

None

Feature Cross Reference

♦ Night Service

Telephone Programming Instructions

To enter data for Program 12-04 (Holiday Night service Switching):
1. Enter the programming mode.
2. Enter 12 04

```
12-04-01ModeGrp1
Date01/01 Pttrn0
```

3. Enter the number of the item you want to program.

```
12-04-xx
xxxxx
```

4. Select the Night Mode Service Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 12: NIGHT MODE SETUP

12-05: NIGHT MODE GROUP ASSIGNMENT FOR EXTENSIONS

Description

Use **Program 12-05 : Night Mode Group Assignment for Extensions** to a assign Day/Night Mode Group for each extension.

Input Data

Extension Number	Max.4 digits

Night Mode Service Group Number	Default
1-4	1

Default

No Setting

Conditions

None

Feature Cross Reference

♦   Night Service

Telephone Programming Instructions

To enter data for Program 12-05 (Night Mode Group Assignment for Extensions):
1. Enter the programming mode.
2. Enter 12 05

> **12-05-01 TEL200**
> **Night Mode Grp 1**

3. Enter the number of the item you want to program.

> **12-05-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 12: NIGHT MODE SETUP

12-06: NIGHT MODE GROUP ASSIGNMENT FOR TRUNKS

Description

Use **Program 12-06 : Night Mode Group Assignment for Trunks** to assign a Day/Night Mode Group for each trunk port.

Input Data

Trunk Port Number	1-51

Night Mode Service Group Number
1-4

Default

Night Mode Groups 1 ~ 4 = 1

Conditions

None

Feature Cross Reference

♦ Night Service

Telephone Programming Instructions

To enter data for Program 12-06 (Night Mode Group Assignment for Trunks):
1. Enter the programming mode.
2. Enter 12 06

> **12-06-01TrkPrt1**
> **Night Mode Grp 1**

3. Enter the number of the item you want to program.

> **12-06-xx**
> **xxxxx**

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 12-07 : Text Data for Night Mode** to make an original text message which is displayed on an LCD of key telephone in each Night Mode.

Input Data

Night Mode Service Group Number	1-4

Day/ Night Mode	1-8

Text Message Data
Maximum 8 Characters (alphabetic or numeric)

Default
All Night Mode Service Group has the following default values:

Day/ Night Mode	Text Message Data
1	No setting
2	Night
3	M-Night
4	Rest
5	Day2
6	Night2
7	M-Night2
8	Rest2

Conditions

None

Feature Cross Reference

♦ Night Service

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PROGRAM 12: NIGHT MODE SETUP

12-07: TEXT DATA FOR NIGHT MODE

Telephone Programming Instructions

To enter data for Program 12-07(Text Data for Night Mode):

1. Enter the programming mode.
2. Enter 12 07

> **12-07-01ModeGrp1**
> **M1 -**

3. Enter the number of the item you want to program.

> **12-07-xxModeGrpx**
> **xxxxx**

4. Select the Night Mode Service Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 13: ABBREVIATED DIALLING

13-01: ABBREVIATED DIALLING FUNCTION SETUP

Description

Use **Program 13-01 : Abbreviated Dialling Function Setup** to define the Abbreviated Dialling functions.

Input Data

Prog. No.	Item	Input data	Default	Related Program
13-01-01	Abbreviated Dialling Auto Out-going Call Mode	0 : Trunk outgoing mode 1 : Extension outgoing mode	0	13-05
13-01-02	Station Abbreviated Dial	0 : Disable 1 : Enable	1	13-06
13-01-03	Number of Common Abbreviated Dialling Bins	100-2000 0 : No Common Abbreviated Dialling Bins (100 bins per 1 unit)	900	13-04

Conditions

None

Feature Cross Reference

Abbreviated Dialling

Telephone Programming Instructions

To enter data for Program 13-01 (Abbreviated Dialling Function Setup):
1. Enter the programming mode.
2. Enter 13 01

```
13-01-01
ABB Dial Mode 0
```

3. Enter the number of the item you want to program.

```
13-01-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 13: ABBREVIATED DIALLING

13-02: GROUP ABBREVIATED DIALLING BINS

Description

Use **Program 13-02 : Group Abbreviated Dialling Bins** to define the range of bin numbers to be used by each Abbreviated Dialling group (refer to Program 13-03).

Input Data

Abbreviated Dialling Group Number	Start Address of Abbreviated Dialling Bin	End Address of Abbreviated Dialling Bin
1-32	0-1990	0,9-1999

Default

No setting

Conditions

None

Feature Cross Reference

♦ Abbreviated Dialling

Telephone Programming Instructions

To enter data for Program 13-02 (Group Abbreviated Dialling Bins):
1. Enter the programming mode.
2. Enter 13 02

> **13-02-01ABB Gr1**
> **ABB Start 0**

3. Enter the number of the item you want to program.

> **13-02-xxABB Grxx**
> **xxxxx**

4. Select the Abbreviated Dialling group number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

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PROGRAM 13: ABBREVIATED DIALLING

13-03: ABBREVIATED DIALLING GROUP ASSIGNMENT FOR EXTENSIONS

Description

Use **Program 13-03 : Abbreviated Dialling Group Assignment for Extensions** to assign Abbreviated Dialling Group for each extension.

Input Data

Extension Number	Up to 4 digits

Group Number
1-32

Default

All Extensions = Group 1

Conditions

None

Feature Cross Reference

Abbreviated Dialling

Telephone Programming Instructions

To enter data for Program 13-03 (Abbreviated Dialling Group Assignment for Extensions):
1. Enter the programming mode.
2. Enter 13 03

```
13-03-01 TEL200
Group      1
```

3. Enter the number of the item you want to program.

```
13-03-xx TELxxxx
xxxxx
```

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 13: ABBREVIATED DIALLING

13-04: ABBREVIATED DIALLING NUMBER AND NAME

Description

Use **Program 13-04 : Abbreviated Dialling Number and Name** to store Abbreviated Dialling data into the Abbreviated Dialling areas. This program is also used to define the names assigned to the Abbreviated Dialling numbers.

Input Data

Abbreviated Dialling Bin Number	0-1999

Prog. No.	Item	Input data	Default	Related Program
13-04-01	Abbreviated Dialling Data	1-9,0,*,#,,P,R,@ (Max. 36 digits)	No Setting	
13-04-02	Name	Max. 12 Characters	No Setting	

Conditions

None

Feature Cross Reference

♦ Abbreviated Dialling

Telephone Programming Instructions

To enter data for Program 13-04(Abbreviated Dialling Number and Name):
1. Enter the programming mode.
2. Enter 13 04

13-04-01 ABB0
Dial=

3. Enter the number of the item you want to program.

13-04-xx ABBxxx
xxxxx

4. Select the Abbreviated Dialling Bin number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 13: ABBREVIATED DIALLING

13-05: ABBREVIATED DIALLING TRUNK GROUP

Description

Use **Program 13-05 : Abbreviated Dialling Trunk Group** to define the trunk group to be seized for each Abbreviated Dialling number (refer to Program 13-05).

If this program has an entry of '0' (no setting), then seizing a line follows the trunk access group routing of the caller's extension (refer to Program 14-06). This setting is only available in External Abbreviated Dialling Mode (Program 13-01-01).

Input Data

Abbreviated Dialling Bin Number	0-1999

Trunk Group Number
0-25

Default

No setting

Conditions

None

Feature Cross Reference

♦ Abbreviated Dialling

Telephone Programming Instructions

To enter data for Program 13-05(Abbreviated Dialling Trunk Group):
1. Enter the programming mode.
2. Enter 13 05

```
13-05-01 ABB0
TRK Group No  0
```

3. Enter the number of the item you want to program.

```
13-05-xx ABBxxx
xxxxx
```

4. Select the Abbreviated Dialling Area number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 13: ABBREVIATED DIALLING

13-06: STATION ABBREVIATED DIALLING NUMBER AND NAME

Description

Use **Program 13-06 : Station Abbreviated Dialling Number and Name** to store Abbreviated Dialling data into the Station Abbreviated Dialling areas. This program is also used to define the names assigned to the Station Abbreviated Dialling numbers.

Input Data

Extension Number	Up to 4 digits

Station Abbreviated Dialling Bin Number	01-20

Prog. No.	Item	Input data	Default	Related Program
13-06-01	Abbreviated Dialling Data	1-9,0,*,#,,P,R,@ (Max. 36 digits)	No Setting	13-01-02
	Name	Max. 12 Characters		

Conditions

None

Feature Cross Reference

♦ Abbreviated Dialling

Telephone Programming Instructions

To enter data for Program 13-06(Station Abbreviated Dialling Number and Name):
1. Enter the programming mode.
2. Enter 13 06

```
13-06-01 TEL200
01:
```

3. Enter the number of the item you want to program.

```
13-06-xx TELxxx
xxxxx
```

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 14: TRUNK BASIC SETUP

14-01: BASIC TRUNK DATA

Description

Use **Program 14-01 : Basic Trunk Data Setup** to set the basic options for each trunk port. Refer to the chart below for a description of each option, its range and default setting.

Input Data

Trunk Port Number	1-51

Prog. No.	Item	Input data	Default	Related Program
14-01-01	**Trunk Name** Set the names for trunks. The trunk name displays at display keysets for incoming and outgoing calls.	Up to 12 Characters	Refer below	
14-01-02	**Transmit CODEC Gain Type** Use this option to select the CODEC gain for the trunk. The option sets the amount of gain (signal amplification) for the trunk you are programming.	1-63 (-15.5dB - +15.5dB in 0.5dB intervals)	COI = 32 (0Db) ISDN = 28 (-2dB)	
14-01-03	**Receive CODEC Gain Type** Use this option to select the CODEC gain for the trunk. The option sets the amount of gain (signal amplification) for the trunk you are programming.	1-63 (-15.5dB - +15.5dB in 0.5dB intervals)	32 (0 dB)	
14-01-04	**Transmit Gain Level for Conference and Transfer Calls** Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	1-63 (-15.5dB - +15.5dB in 0.5dB intervals)	22 (-5dB)	
14-01-05	**Receive Gain Level for Conference and Transfer Calls** Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	1-63 (-15.5dB - +15.5dB in 0.5dB intervals)	22 (-5dB)	
14-01-06	**SMDR Print Out** Use this option to have the system include/exclude the trunk you are programming from the SMDR printout. See Program 35-01 and 35-02 for SMDR printout options.	0 : No Printout 1 : Printout	1	
14-01-07	**Outgoing Calls** Use this option to allow/prevent outgoing calls on the trunk you are programming.	0 : Prevented 1 : Allowed	1	

Input Data (cont)

Prog. No.	Item	Input data	Default	Related Program
14-01-08	**Toll Restriction** Use this option to enable/disabled Toll Restriction for the trunk. If enabled, the trunk follows Toll Restriction programming (ex: Programs 21-05, 21-06). If disabled, the trunk is a toll free line.	0 : Restriction Disable 1 : Restriction Enable	1	21-04 21-05 21-06
14-01-09	-Not used-	-	-	
14-01-10	**DTMF tone for Outgoing Calls** Use this option to enable (1) or disable (0) DTMF back tones for outgoing trunk calls.	0 : Disable 1 : Enable	0	
14-01-11	**Account Code required**	0 : Disable 1 : Enable	1	
14-01-12	-Not Used-	-	-	
14-01-13	**Loop Disconnect Supervision** Use this option to enable (1) or disable (0) loop supervision for the trunk. This option is required for Call Forwarding Off-Premise and Tandem Trunking only.	0 : Disable 1 : Enable	0	
14-01-14	**Long Conversation Cutoff** Use this option to enable or disable the Long Conversation Cutoff feature for each trunk.	0 : Disable 1 : Enable	0	20-21-03 20-21-04
14-01-15	**Long Conversation Alarm before Cutoff** Use this option to enable or disable the Long Conversation Alarm for each trunk.	0 : Disable 1 : Enable	0	
14-01-16	**Forced Release of Held Call** Use this option to enable/disable forced release for calls on Hold. If enabled, the system disconnects a call if it is on Hold longer than a programmed interval (Program 24-01-05). If disabled, forced disconnection does not occur. Program 24-01-01 also affects this option.	0 : Disable 1 : Enable	0	
14-01-17	**Trunk to Trunk Warning Tone for Long Conversation Alarm** Use this option to enable or disable the Warning Tone for Long Conversation feature for DISA callers.	0 : Disable 1 : Enable	0	

NEC

Input Data (cont)

Prog. No.	Item	Input data	Default	Related Program
14-01-18	**Warning Beep Tone Signaling**	0 : Disable 1 : Enable	0	
14-01-19	**Privacy Mode Toggle Option** Use this option to enable or disable a trunk's ability to be switched from private to non-private mode by pressing the line key or Privacy Release function key.	0 : Disable 1 : Enable	0	
14-01-20	**Block Outgoing Caller-ID** Allow (0) or Block (1) the system from automatically sending outgoing Caller ID information when a user places a call. If blocked, the system automatically inserts the Caller ID block code (defined in 14-01-21) before the user dialled digits.	0 : Allow 1 : Block	0	
14-01-21	**Caller-ID Block Code** Enter the code, up to 8 digits, that should be used as the Caller ID Block Code. This code is automatically inserted before dialled digits if Program 14-01-20 is set to '1'.	0 : Dial (Up to 8 digits) 1 : Enable	No setting	
14-01-22	**Not Used**	-	-	
14-01-23	**Least Cost Routing**	0 : LCR Off 1 : LCR On 2 : LCR On (Cost Center Code only)	0	26-01-04 26-05 to 26-08
14-01-24	**Trunk to trunk Outgoing Caller ID Through Mode** When a call is transferred from trunk-A to trunk-B (IP Trunks only), the Caller ID data from trunk-A can be sent to trunk-B.	0: Disabled 1: Enabled	0	

Default

14-01-01: Trunk Name

Trunk Port Number	Name
1	Line 01
2	Line02
:	:
51	Line 51

Conditions

None

Feature Cross Reference

Refer to feature in above chart.

Telephone Programming Instructions

To enter data for Program 14-01(Basic Trunk Data Setup):

1. Enter the programming mode.
2. Enter 14 01

> **14-01-01 Trunk1**
> **TRK Name-Line 00**

3. Enter the number of the item you want to program.

> **14-01-xx Trunkxx**
> **xxxxx**

4. Select the Trunk port number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 14: TRUNK BASIC SETUP

14-02: ANALOGUE TRUNK DATA SETUP

Description

Use **Program 14-02 : Analogue Trunk Data Setup** to set the basic options for each analogue trunk port. Refer to the chart below for a description of each option, its range and default setting.

Input Data

Trunk Port Number	1-51

Prog. No.	Item	Input data	Default	Related Program
14-02-01	**Not Used**	-	-	
14-02-02	**Ring Detect Type** This option to sets Extended Ring Detect or Immediate Ring Detect for the trunk.	0 : Normal/Delayed 1 : Immediately ringing	0	
14-02-03	**Flash Type** This option to select the Flash type (open loop flash or ground). Always set this option for open loop flash.	0 : Open Loop Flash 1 : Ground	0	
14-02-04	**Flash for Timed Flash or Disconnect** This option lets you use Flash for Timed Flash (Program 81-01-14) or Disconnect (Program 81-01-15). (A user implements Flash by pressing the FLASH key while on a trunk call.)	0 : Timed Flash 1 : Disconnect	0	
14-02-05	**Not Used**			
14-02-06	Pause at 1st digit after line seize in manual dial mode	0 : No Pause 1 : Pause	0	21-01-06
14-02-07	**Not Used**	-	-	
14-02-08	Answering Condition	0 : Polarity reversing 1 : Polarity reversing or timer	1	21-01-03

Input Data (Cont'd)

Prog. No.	Item	Input data	Default	Related Program
14-02-09	**Busy Tone Detection** Detects disconnect status of Trunk to Trunk Transfer	0 : Disable 1 : Enable	0	
14-02-10	**Caller-ID** Enable or Disable a trunk's ability to receive Caller ID information	0 : Disable 1 : Enable	0	
14-02-11	**Not Used**	-	-	
14-02-12	Detect Network Disconnect Signal	0 : Disable 1 : Enable	0	14-02-05 14-02-11
14-02-13	Trunk-to-Trunk Limitation	0 : Disable 1 : Enable	0	14-02-12 24-02-07
14-02-14	Loop Start/Ground Start	0 : Loop Start 1 : Ground Start	0	
14-02-15	-Not Used-	-	-	-
14-02-16	Caller-ID Type for Analogue Trunk	0 : FSK 1 : DTMF	0	

Conditions

None

Feature Cross Reference

♦   None

Telephone Programming Instructions

To enter data for Program 14-02(Analogue Trunk Data Setup):
1. Enter the programming mode.
2. Enter 14 02

```
14-02-01 Trunk1
DP/DTMF     1
```

3. Enter the number of the item you want to program.

```
14-02-xx Trunkxx
xxxxx
```

4. Select the Trunk port number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 14: TRUNK BASIC SETUP

14-04: BEHIND PBX SETUP

Description

Use **Program 14-04 : Behind PBX Setup** to indicate if the trunk is installed behind a PBX. There is one item for each of the Night Service Modes:

Input Data

Trunk Port Number	1-51

Day/ Night Mode	Type of Connection	Default	Related Program
1-8	0 : Stand Alone 1 : Behind PBX	0	22-02

Conditions

None

Feature Cross Reference

♦ Central Office Calls, Placing

Telephone Programming Instructions

To enter data for Program 14-04(Behind PBX Setup):
1. Enter the programming mode.
2. Enter 14 04

```
14-04-01 Trunk1
Mode1 Connect= 0
```

3. Enter the number of the item you want to program.

```
14-04-xx Trunkxx
xxxxx
```

4. Select the Trunk port number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

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PROGRAM 14: TRUNK BASIC SETUP

14-05: TRUNK GROUPS

Description

Use **Program 14-05 : Trunk Groups** to assign trunks to Trunk Groups. You can also assign the outbound priority for trunks within the group. When users dial up the trunk group, they seize the trunks in the order you specify in the outbound priority entry.

Input Data

Trunk Port Number	1-51

Trunk Group Number	Order Number
0-25	1-51

Default

Trunk Port	Group	Priority (Order)
1	1	1
:	:	:
51	1	51

Conditions

None

Feature Cross Reference

♦ Trunk Groups

Telephone Programming Instructions

To enter data for Program 14-05(Trunk Group):
1. Enter the programming mode.
2. Enter 14 05

14-05-01 Trunk1
Group No.   1

3. Enter the number of the item you want to program.

14-05-xx Trunkxx
xxxxx

4. Select the Trunk port number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

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PROGRAM 14: TRUNK BASIC SETUP

14-06: TRUNK ROUTE ROUTING

Description

Use **Program 14-06 : Trunk Group Routing** to set up an outbound routing table for the trunk groups you assigned in Program 14-05. When users dial 9, the system routes their calls in the order (priority) you specify. For example, if a user dials 9 and all calls in the first group are busy, the system may route the call to another group. Trunk Access Map programming (Programs 14-07) may limit this option. The system contains 25 routing tables for trunk access. Each table has four priority orders for trunk access.

Example for setting:
With less than 4 trunk groups,
Route number 1 : Order 1 – Trunk group 1
              : Order 2 – Trunk group 2
For the above setting, if all the lines in trunk group 1 are busy, the system searches for an idle line in trunk group 2.

With more than 4 trunk groups,
Route number 1 : Order 1 – Trunk group 1
              : Order 2 – Trunk group 2
              : Order 3 – Trunk group 3
              : Order 4 – 1002 (Jump to Route number 2)
Route number 2 : Order 1 – Trunk group 4
              : Order 2 – Trunk group 5
For the above setting, if all the lines in the trunk group 1, 2 and 3 are busy, the system searches for an idle line in trunk group 4 and 5.

Input Data

Route Table Number	1-25

Priority Order Number	Input Data	Related Program
1-4	0 : Not Specified 001-025 : (Trunk Group Number) 1001-1025 : (1000 + Route Table Number)	14-01-07 14-05 15-01-02 21-02

Default

Route 1, Order Number 1 = 1 (Trunk Group 1), Order Numbers 2, 3, 4 = 0 (not specified)
All Other Routes (2-25) and Order Numbers (1-4) = 0 (not specified)

Conditions

None

Feature Cross Reference

♦　　Trunk Groups

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Telephone Programming Instructions

To enter data for Program 14-06 (Trunk Group Routing):
1. Enter the programming mode.
2. Enter 14 06

14-06-01 R-TBL1
Order1   Data1

3. Enter the number of the item you want to program.

14-06-xx R-TBLxx
xxxxx

4. Select the Route Table number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 14: TRUNK BASIC SETUP

14-07: TRUNK ACCESS MAP SETUP

Description

Use **Program 14-07 : Trunk Access Map Setup** to set up the Trunk Access Maps. This sets an extension's access options for trunks. For example, an extension can only place outgoing calls on trunks to which it has outgoing access. There are 51 Access Maps with all 51 trunk ports programmed in Map 1 with full access. An extension can use one of the maps you set up in this program. Use Program 15-06 to assign Trunk Access Maps to extensions. Each trunk can have one of eight access options for each Access Map.

Input Data

Access Map Number	1-51

Trunk Port Number	Input Data
1-51	0 : No Access 1 : Outgoing Access only 2 : Incoming Access only 3 : Access when trunk on Hold 4 : Outgoing Access and Access when trunk on Hold 5 : Incoming Access and Access when trunk on Hold 6 : Incoming and Outgoing Access 7 : Incoming Access, Outgoing Access and Access when trunk on Hold

Default

Access Map Number	Trunk Port Number	Default
1	1	7
	2	7
	:	:
	51	7
2	1	0
	2	0
	:	:
	51	0
:	1	0
	2	0
	:	:
	51	0
51	1	0
	2	0
	:	:
	51	0

Conditions

None

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Feature Cross Reference

- ♦ Central Office Calls, Answering
- ♦ Central Office Call, Placing

Telephone Programming Instructions

To enter data for Program 14-07(Trunk Access Map Setup):

1. Enter the programming mode.
2. Enter 14 07

14-07-01Acs.Map1
TRK01 = 7

3. Enter the number of the item you want to program.

14-07-xxAcs.Mapx
xxxxx

4. Select the Access Map number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 14: TRUNK BASIC SETUP

14-08: MUSIC ON HOLD SOURCE FOR TRUNKS

Description

Use **Program 14-08 : Music on Hold Source for Trunks** to define a trunk's Music on Hold source as either the ACI or BGM port.

Note: If ACI is selected as the source in Item 1, the port number for the source must be selected in Item 2.

Input Data

Trunk Port Number	1-51

Prog. No.	Item	Input Data	Default
14-08-01	MOH Type Select a trunk's Music on Hold source.	0 : Internal synthesized MOH 1 : A customer-provided source connected to BGM port. 2 : A customer-provided source connected to ACI port.	0
14-08-02	Source Port Number for MOH	0-6 If the MOH type is "2", the source port number is 0-6.	0

Conditions

None

Feature Cross Reference

♦ Music on Hold

Telephone Programming Instructions

To enter data for Program 14-08(Music on Hold Source for Trunks):
1. Enter the programming mode.
2. Enter 14 08

```
14-08-01 Trunk1
MOH Type    1
```

3. Enter the number of the item you want to program.

```
14-08-xx Trunkxx
xxxxx
```

4. Select the Trunk port number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 14: TRUNK BASIC SETUP

14-09: CONVERSATION RECORDING DESTINATION FOR TRUNKS

Description

Use **Program 14-09 : Conversation Recording Destination for Trunks** to set the Conversation Recording destination for each trunk.
Note: If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 will be followed.

Input Data

Trunk Port Number	1-51

Prog. No.	Item	Input Data	Default
14-09-01	Recording Destination Extension Number	Extension Number (Up to 4 digits)	No setting
14-09-02	Automatic Recording	0 : Off 1 : On	0
14-09-03	Recording Contents Storing Method	0 : Specifies by Dialling 1 : Own Mailbox	0
14-09-04	Automatic Recording for Outgoing Call	0 : Off 1 : On	0

♦ If automatic telephone call recording is set-up, the recording will be started from the time of answering an incoming call.
♦ If the PRG14-09-04 is set to "1" , the recording will be started from the time of answering an outgoing call.
♦ In case of Conversation recording by the SLT;
If the recording destination is set to Voice Mailbox, the service of the feature is only available for the Automatic Conversation Recording and the conversation recording is automatically storing to own mailbox.

Conditions

None

Feature Cross Reference

♦ Voice Mail

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PROGRAM 14: TRUNK BASIC SETUP

14-09: CONVERSATION RECORDING DESTINATION FOR TRUNKS

Telephone Programming Instructions

To enter data for Program 14-09(Conversation Recording Destination for Trunks):

1. Enter the programming mode.

2. Enter 14 09

14-09-01 Trunk1
Rec Dest Ext

3. Enter the number of the item you want to program.

14-09-xx Trunkxx
xxxxx

4. Select the Trunk port number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.

5. Enter data for the item you selected + HOLD.

6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 15: EXTENSION BASIC SETUP

15-01: BASIC EXTENSION DATA SETUP

Description

Use **Program 15-01 : Basic Extension Data Setup** to define the basic settings for each extension.

Input Data

Extension Number	Max 4 digits

Prog. No.	Item	Input data	Default	Related Program
15-01-01	**Extension Name** Set the extension/virtual extension name	Up to 12 Characters	**200:** **EXT200** : **295:** **EXT295**	
15-01-02	**Outgoing Trunk Line Preference** Use this option to set the extension's outgoing Trunk Line Preference. If enabled, the extension user get trunk dial tone when they lift the handset. The user hears trunk dial tone only if allowed by Trunk Access Map programming (Programs 14-07 and 15-06). Refer to the Line Preference feature for more details.	0 : Off 1 : On	0	14-06 21-02
15-01-03	**SMDR Printout** Use this option to include or exclude the extension you are programming in the SMDR report.	0: Do not print on SMDR report 1: Include on SMDR report	1	
15-01-04	**Calling Party Number notification (ISDN Trunk)**	0 : Disable 1 : Enable	1	
15-01-05	**The terminal for restricting Outgoing calls is Disabled - On Incoming Line.** Toll Restriction invoked on incoming trunk call. Supervise dial detection = Enable Trunk Route	0 : Enable 1 : Disable	0	21-01-15 21-01-16 21-01-17

Conditions

None

Feature Cross Reference

♦ Refer to feature in above chart.

NEC

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Telephone Programming Instructions

To enter data for Program 15-01(Basic Extension Data Setup):

1. Enter the programming mode.
2. Enter 15 01

> **15-01-01 TEL**
> **ExtName-EXT 200**

3. Enter the number of the item you want to program.

> **15-01-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

---

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PROGRAM 15: EXTENSION BASIC SETUP

15-02: MULTI-LINE TELEPHONE BASIC DATA SETUP

Description

Use **Program 15-02 : Multi-Line Telephone Basic Data Setup** to set up various keyset options.

Input Data

Extension Number	Max. 4 digits

Prog. No.	Item	Input data	Default	Related Program
15-02-01	**Display Language Selection**	1 : English 5 : Spanish 7 : Portuguese	1	
15-02-02	-Not Used-	-	-	
15-02-03	-Not Used-	-	-	
15-02-04	**Abbreviated Dialling DC Key Control** Use this option to control the function of the extension's DC key when used with Abbreviated Dialling. The DC key can access either the Common or Group Abbreviated Dialling numbers.	0 : Common and individual Abbreviated Dialling 1 : Group Abbreviated Dialling	0	
15-02-05	**Transfer Key Operation Mode** Use this option to set the operation mode of the extension's CONF (TRF) key. The keys can be for Call Transfer, Serial Calling or Flash. When selecting the Flash option (selection 2), refer also to Program 81-01-14.	0 : Transfer 1 : Series call 2 : Flash	0	
15-02-06	**Hold Key Operation Mode** Use this option to set the function of the keyset Hold key. The Hold key can activate normal Hold, Exclusive Hold or Park.	0 : Normal Hold 1 : Exclusive Hold 2 : Park Hold	0	
15-02-07	**Automatic Hold for Trunk Key** During Trunk Call, press other Trunk key to make a hold or disconnect.	0 : Enable (Hold) 1 : Disable (Disconnect)	1	
15-02-08	**Pre-select/One-touch Key** Use this option to answer the Incoming Trunk call or hold line by pressing Trunk key.	0 : Pre-select 1 : One-touch	1	
15-02-09	**Ringing Line Preference for Intercom Calls** Use this option to select between Idle and Ringing Line Preference for Intercom Call.	0 : Off 1 : On	1	
15-02-10	**Ringing Line Preference for Trunk Calls** Use this option to select between Idle and Ringing Line Preference for Trunk Call.	0 : Off 1 : On	1	

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Input Data (Cont)

Prog. No.	Item	Input data	Default	Related Program
15-02-11	**Callback Automatic Answer** Use this option to enable or disable automatic answer for Callback. If enabled, extension automatically Answers Callback ringing when user lifts the Handset. If disabled, user must press line appearance key to answer Callback.	0 : Off 1 : On	1	
15-02-12	**Off Hook Signaling** Use this option to set the keyset's Off Hook Signaling. Off Hook Signaling occurs when a keyset user receives a second call while busy on the Handset Call. To enable/disable Off Hook Signaling for an extension's Class of Service	0 : Muted Off Hook Ringing 1 : No Off Hook Ringing 2 : Not Used 3 : 1 beep tone on Speaker 4 : 1 beep tone on Handset	0	
15-02-13	**Redial List Mode** Select whether the Redial List feature should store internal and external numbers (0), or only external numbers (1).	0 : Extension/Trunk Mode 1 : Trunk Mode	1	
15-02-14	-Not Used-	-	-	
15-02-15	**Storage of Caller-ID for answered call**	0 : Disable 1 : Enable	1	
15-02-16	**Handsfree Operation**	0 : Disable 1 : Enable	1	
15-02-17	**-Not Used-**	-	-	
15-02-18	**-Not Used-**	-	-	
15-02-19	**-Not Used-**	-	-	
15-02-20	**-Not Used-**	-	-	
15-02-21	**Virtual Extension Access Mode (when idle Virtual Extension Key pressed)** Determine whether an extension's Virtual Extension/Call Coverage Key should be for placing and receiving calls (0), or just receiving incoming calls (2).	0 : DSS (Inbound/ Outbound) 1 : Outgoing 2 : Ignore Key (Inbound)	2	
15-02-22	**Multiple Incoming Call from Intercom and Trunk**	0 : Disable 1 : Enable	1	
15-02-23	**Abbreviated dial Preview Mode** Use this function to control the function of the extension's DC key. The DC key can be set to preview ABB dial numbers or dial out immediately.	0 : Preview 1 : Outgoing immediately	0	

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PROGRAM 15: EXTENSION BASIC SETUP

15-02: MULTI-LINE TELEPHONE BASIC DATA SETUP

Input Data (Cont)

Prog No.	Item	Input data	Default	Related Program
15-02-24	-Not Used-	-	-	
15-02-25	-Not Used-	-	-	
15-02-26	-Not Used-	-	-	

Conditions

None

Feature Cross Reference

♦ Refer to features in above chart.

Telephone Programming Instructions

To enter data for Program 15-02(Multi-Line Telephone Basic Data Setup):

1. Enter the programming mode.
2. Enter 15 02

```
15-02-01 TEL200
Language     1
```

3. Enter the number of the item you want to program.

```
15-02-xx TELxxxx
xxxxx
```

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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SB	**COPY**

PROGRAM 15: EXTENSION BASIC SETUP

15-03: SINGLE LINE TELEPHONE BASIC DATA SETUP

Description

Use **Program 15-03 : Single Line Telephone Basic Data Setup** to set up various Single Line Telephone options.

Input Data

Extension Number	Max.4 digits

Prog. No.	Item	Input data	Default	Related Program
15-03-01	-Not Used-	-	-	
15-03-02	-Not Used-	-	-	
15-03-03	**Terminal Type** Enter 1 for this option to allow a single line port to receive DTMF tones after the initial call setup. Enter 0 to have the port ignore DTMF tones after the initial call setup. For Voice Mail, always enter 1 (e.g., receive DTMF tones).	0 : Normal 1 : Special	0	
15-03-04	**Flashing** Enables/disables Flash (Hold) for single line telephones.	0 : Disable 1 : Enable	1	
15-03-05	-Not Used-	-	-	
15-03-06	-Not Used-	-	-	
15-03-07	**Enabled on hook when holding and press Service code (SLT)**	0 : Disable 1 : Enable	1	11-12-45
15-03-08	**Answer on hook when holding (SLT)**	0 : Disable 1 : Enable	1	11-12-46
15-03-09	**Extension Number Display**	0 : Disable 1 : Enable	0	
15-03-10	**Caller Name Display**	0 : Disable 1 : Enable	1	15-03-09
15-03-11	**Caller-ID Type for External Module** FSK(0) or DTMF(1) the Caller ID signal for an external Caller ID module. *Important:* If voice mail is used, this setting must be disabled or the system integration codes for disconnect will be incorrect.	0 : FSK 1 : DTMF	0	
15-03-12	**Fixed Cadence** Select Normal Ring or Fixed (1sOn/2sOff) Ring when incoming call is being received.	0 : Normal 1 : Fixed (1s On/2sOff)	0	

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PROGRAM 15: EXTENSION BASIC SETUP

15-03: SINGLE LINE TELEPHONE BASIC DATA SETUP

Conditions

None

Feature Cross Reference

Single Line Telephone, Analogue

Telephone Programming Instructions

To enter data for Program 15-03 (Single Line Telephone Basic Data Setup):

1. Enter the programming mode.
2. Enter 15 03

> **15-03-01 TEL200**
> **SLT Method   1**

3. Enter the number of the item you want to program.

> **15-03-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 15: EXTENSION BASIC SETUP

15-06: TRUNK ACCESS MAP FOR EXTENSIONS

Description

Use **Program 15-06 : Trunk Access Map for Extensions** to define the trunk access map for each extension. An extension can only place outgoing calls on trunks to which it has outgoing access. Use Program 14-07 to define the available 51 access maps.

Input Data

Extension Number	Max. 4 digits

Day/Night Mode	Trunk Access Map No.	Default	Related Program
1-8	1-51	1	14-07

Conditions

None

Feature Cross Reference

♦ Central Office Calls, Answering
♦ Central Office Calls, Placing

Telephone Programming Instructions

To enter data for Program 15-06(Trunk Access Map for Extensions):
1. Enter the programming mode.
2. Enter 15 06

> **15-06-01 TEL200**
> **Mode1 Acc-Map1**

3. Enter the number of the item you want to program.

> **15-06-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 15: EXTENSION BASIC SETUP

15-07: PROGRAMMING FUNCTION KEYS

Description

Use **Program 15-07 : Programmable Function Keys** to set the functions of an extension's Programmable Function Key.

For certain functions, you can append data to the key's basic function. For example, the function 26 appended by data 1 makes a Group Call Pickup key for Pickup Group 1. You can also program Function Keys using Service codes.

In order to clear any previously programmed key, press the CLEAR key to erase any displayed code.

Input Data

Extension Number	Max. 4 digits

Line Key Number	Function Number	Additional data
01-46 (KTS with DLS)	0-99 : Normal Function Number *00-*99 : Appearance Function Number	Refer to the Function code List

Default

Key Number	Function Number	Additional Data
KY01	*01(Trunk Line Key)	1
KY02	*01(Trunk Line Key)	2
:	:	:
KY12	*01(Trunk Line Key)	12
KY13	00 (No Setting)	0
:	:	:
KY21	00 (No Setting)	0
KY22	*05(Hybrid Operation Key) (Loop Key)	2
KY23	00 (No Setting)	0
:	:	:
KY46	00 (No Setting)	0

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1. Function Number List

Function Number	Function	Additional Data	LED Indication
00	Not defined		
01	DSS/One-Touch	Extension number or any numbers (Max. 36 digits)	Red On: Extension Busy Off : Extension Idle Rapid Blink (Red): DND or Call Forward Setup
02	Microphone Key (ON/OFF)		Red On : MIC On Off: MIC Off
03	DND Key		Red-On : DND Setup
04	BGM(ON/OFF)		Red On : BGM On Off : BGM Off
05	Headset		Red On: Headset Operating
06	Transfer Key (Tandem trunking (unsupervised conference))		None
07	Conference Key		Red-On : Conference Operating
08	Incoming Caller-ID List		Slow Blink(Red):Existing New CID Red-On : Existing Check CID Off : No CID
09	Operation Mode Switch	Mode number(1-8)	Red On : On mode
10	Call Forward-Immediate		Slow Blink (Red): Forwarding state Rapid Blink(Red):Forwarded State
11	Call Forward-Busy		Slow Blink (Red): Forwarding state Rapid Blink(Red):Forwarded State
12	Call Forward-No Answer		Slow Blink (Red): Forwarding state Rapid Blink(Red):Forwarded State
13	Call Forward-Busy/No Answer		Slow Blink (Red): Forwarding state Rapid Blink (Red):Forwarded State
14	Call Forward-Dual Ring		Slow Blink (Red): Forwarding state Rapid Blink(Red):Forwarded State
15	Call Forward - Follow Me		Slow Blink (Red): Forwarding state Rapid Blink(Red):Forwarded State
16	Call Forward - SELECT To activate via access code, refer to 11-11-06 (Service Code Setup)		Slow Blink (Red): Forwarding state Rapid Blink (Red):Forwarded State
17	Call Forward Device. Call Forward Off Premise Park + Page + Personal Greeting		Slow Blink (Red): Forwarding state Rapid Blink (Red):Forwarded State
18	Text Message Setup	Message No.(00-20)	Red On: Feature active by Function Key
19	External Group Paging	External Paging Zone No. (1-6)	Red On : Active
20	External All Call Paging		Red On : Active
21	Internal Group Paging	Internal Paging No.1-32	Red On : Active
22	Internal All Call Paging		None
23	Meet-Me Answer to Internal Paging		None

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Function Number List (Cont)

Function Number	Function	Additional Data	LED Indication
24	Call Pickup for Own Group		None
25	Call Pickup for Another Group		None
26	Call Pickup for Specified Group	Call Pickup Group Number 01-32	None
27	Abbreviated Dial-Common/Private	Abbreviated dial No. (Common/ Private)	None
28	Abbreviated Dial-Group	Abbreviated dial No. (Group)	None
29	Repeat Dial		Rapid Blink (Red) : Under a repeat dial
30	Saved Number Redial		None
31	Memo Dial		None
32	Meet-Me Conference		None
33	Off-Hook Signaling		None
34	Break-In		None
35	Camp-On, Call-Back		Red-On : Under Camp-On or reservation
36	Department Step Call		None
37	DND/FWD Override Call		None
38	Message Waiting		None
39	Room Monitor		Rapid Blink (Red) : Monitored Slow Blink (Red) : Monitoring
40	Handset Transmission Cut-off		Red On: Transmission Cut-off
41	Secretary (Buzzer) Call	Extension No. (Max.4 digits)	Red On : Transmission Side Rapid Blink(Red) : Receiver Side
42	Boss-Secretary Call	Extension No. (Max.4 digits)	Red On : Boss-Secretary mode
43	Series Call		None
44	Common Hold		None
45	Exclusive Hold		None
46	Department Group Log Out		Red On : Logged out
47	-Not Used-	-	-
48	-Not Used-	-	-
49	Call Redirect	Extension Number or Voice Mail Number (Max.4 digits)	None
50	Account Code		None

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Function Number List (Cont)

Function Number	Function	Additional Data	LED Indication
51	-Not Used-	-	-
52	Incoming Call Queuing Message Setup	Incoming Ring Group No.1-25	Red On : Under setting
53	Queuing Message Starting		Red On : Active
54	External Call Forward by Doorphone Box		Red On : Active
55	Extension Name Edit		None
56	Presence Display Operation	1-100	Red On : Presence
57	Presence Display Indication	1-100	Red On : Presence
58	Department Incoming Call–Immediate	Extension Group No. 01-32	Slow Blink (red) : Active
59	Department Incoming Call–Delay	Extension Group No. 01-32	Slow Blink (red) : Active
60	Department Incoming Call–DND	Extension Group No. 01-32	Slow Blink (red) : Active
63	Outgoing Call Without Caller-ID(ISDN)		Red On : Active
64	-Not Used-	-	-
65	-Not Used-	-	-
66	-Not Used-	-	-
67	Mail Box (DSPDBU)	Extension No. or Department Group No. (Max.4 digits)	Rapid Blink (Green) : New Message Received Red On : Listening to messages Slow Flash : New Message Restriction Mode
68	Voice Mail Service (DSPDBU)	0 : Skip 1 : Back Skip 2 : Monitor	**2..In case of Monitor mode;** **Slow Blink (Red) :** Monitor setting- Automatic **Red On :** Monitor setting- Manual
69	Conversation Recording Service (DSPDBU)	0 : Conversation recording 1 : Delete, Re-recording 2 : Delete 3 : Immediate delivery	**0..In case of conversation recording** **Rapid Blink (Red):** Under recording (No Destination) **Red On :** Under recording (Appointed Extension)
70	Automated Attendant for Extension (DSPDBU)	Extension No. or Department Group No. (Max.4 digits)	Red On : Setup All Calls Rapid Blink (Red) : Setup No Answer Calls Slow Blink (Red) : Busy / No Answer Calls Wink Blink (Red) : Busy Calls

Note: PRG 22-15 (Dept. Group Delay message) does not operate when all extensions are logged out (Function 46 Department group Log out).

♦ ISDN indial will hear busy

♦ PSTN will revert to a ring group

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Function Number List (Cont)

Function Number	Function	Additional Data	LED Indication
71	Change Attendant Message (DSPDBU)	Extension Number or Pilot Number (Max.4 digits)	None
72	-Not Used-	-	-
73	-Not Used-	-	-
74	-Not Used-	-	-
75	-Not Used-	-	-
76	Toll Restriction in Credit	Extension Number (Max.4 digits)	
77	Voice Mail (External)	Extension Number or Pilot.	-
78	-Not Used-	-	-
79	-Not Used-	-	-
80	Tandem Ring Setup Key	(Max.4 digits)	**Red On :** Master Side
81	Automatic Transfer to Transfer Key	Trunk Line No.1-51	**Red On :** Set

2. Appearance Function Level (*00-*99)

Function Number	Function	Additional Data	LED Indication
*00	Not used		
*01	Trunk Key	Trunk Number 1-51	
*02	Trunk Group/ Loop Key	Trunk Group Number 01- 25	
*03	Virtual Extension Key	Extension Number. or Department Group Number (Max.4 digits)	
*04	Park Hold Key	Park Number 01-64	
*05	Hybrid Operation Key (Loop key)	0-2 0 : Incoming 1 : Outgoing 2 : Both	

Conditions

When a key is programmed using service code 852, that key cannot be programmed with a function using the 851 code until the key is undefined (000).

Feature Cross Reference

Refer to chart above

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Telephone Programming Instructions

To enter data for Program 15-07(Programmable Function Keys):

1. Enter the programming mode.
2. Enter 15 07

> **15-07-01 TEL200**
> **KY01 =   *01**

3. Enter the number of the item you want to program.

> **15-07-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 15-08 : Incoming Virtual Extension Ring Tone Setup** to assign a ring tone range (0-4) to incoming virtual extensions assigned to a Virtual Extension key (Program 15-07). If you enable ringing for the key in Program 15-09, the key rings with the tone you set in this program. Also see Program 22-03. The chart below shows the available tones.

Input Data

Extension Number	Max. 4 digits

Incoming Ring Pattern	Default	Description
0 : Tone Pattern 1 1 : Tone Pattern 2 2 : Tone Pattern 3 3 : Tone Pattern 4 4 : Incoming Extension Ring Tone	0 : Tone Pattern 1	When an extension or a virtual extension is assigned to the function key on the key telephone, select the ring tone when receiving a call on that key.

Incoming Signal Frequency Pattern	Frequency	Modulation
0: Tone Pattern 1	600/450/16Hz	FM
1: Tone Pattern 2	450/16Hz	AM
2: Tone Pattern 3	600Hz	-
3: Tone Pattern 4	600/450/16Hz	FM
4: Internal Incoming Signal Frequency		

Conditions

None.

Feature Cross Reference

♦   Multiple Directory Number/ Call Coverage

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PROGRAM 15: EXTENSION BASIC SETUP

15-08: INCOMING VIRTUAL EXTENSION RING TONE SETUP

Telephone Programming Instructions

To enter data for Program 15-08(Incoming Virtual Extension Ring Tone Setup):

1. Enter the programming mode.
2. Enter 15 08

> **15-08-01 TEL200**
> **ICM Tone Pttrn 0**

3. Enter the number of the item you want to program.

> **15-08-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 15: EXTENSION BASIC SETUP

15-09: INCOMING VIRTUAL EXTENSION RING TONE ASSIGNMENT

Description

Use **Program 15-09 : Virtual Extension Ring Assignment** to assign the ringing options for an extension's Virtual Extension Key or Virtual Extension Group Answer Key which is defined in Program 15-07. You make an assignment for each Night Service Mode. Assign extension numbers and names to virtual extension ports in Program 15-01. Program Virtual Extension keys in Program 15-07 (code *03).

Input Data

Extension Number	Max. 4 digits

Key Number (KTS with DLS)	01-46

Day/Night Mode	Ringing data	Default
1-8	0 : No Ringing 1 : Ring	0

Conditions

Program the Multiple Directory Number function keys NOT to ring before removing the key from keyset's programming.

Feature Cross Reference

♦ Multiple Directory Number / Call Coverage

Telephone Programming Instructions

To enter data for Program 15-09(Virtual Extension Ring Assignment):
1. Enter the programming mode.
2. Enter 15 09

```
15-09-01 TEL200
KY01 Mode1  = 0
```

3. Enter the number of the item you want to program.

```
15-09-xx TELxxxx
xxxxx
```

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 15-10 : Incoming Virtual Extension Ring Tone Order Setup** to set the priority (1-4) for the Virtual Extension Ring Tones set in Program 15-08. When Virtual Extension calls ring an extension simultaneously, the tone with the highest order number (e.g., 1) rings. The other keys just flash.

Input Data

Extension Number	Max. 4 digits

Order	Data	Description	Related Program
1-4	0 : Tone Pattern 1 1 : Tone Pattern 2 2 : Tone Pattern 3 3 : Tone Pattern 4 4 : Incoming Extension ring tone	In the case of that two or more virtual extensions are set on a function key on the keyset, and the tone pattern by which the sound of each extension differs, the priority of ring sound is set up.	15-08

Default

By default, Virtual Extension Ring tones have the following order.

Order	Ring Tone (Set in Program 15-08)
1	0 (Tone Pattern 1)
2	1 (Tone Pattern 2)
3	2 (Tone Pattern 3)
4	3 (Tone Pattern 4)

Conditions

None

Feature Cross Reference

♦ Multiple Directory Number / Call Coverage

Telephone Programming Instructions

To enter data for Program 15-10(Incoming Virtual Extension Ring Tone Order Setup):
1. Enter the programming mode.
2. Enter 15 10

```
15-10-01 TEL200
Order1 RG Pttrn0
```

3. Enter the number of the item you want to program.

```
15-10-xx TELxxxx
xxxxx
```

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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SB	**COPY**

PROGRAM 15: EXTENSION BASIC SETUP

15-11: VIRTUAL EXTENSION DELAYED RING ASSIGNMENT

Description

Use **Program 15-11 : Virtual Extension Delayed Ring Assignment** to assign the delayed ringing options for an extension's Virtual Extension or Virtual Extension Group Answer keys (defined in Program 15-09). You make an assignment for each Night Service Mode. Assign extension numbers (Program 11-04) and names (Program 15-01) to virtual extension ports.
Program Multiple Directory Number (virtual extension) keys in Program 15-07 (code *03).

Input Data

Extension Number	Max. 4 digits

Day/Night Mode	Ringing data	Default	Related Program
1-8	0 : Immediate Ringing 1 : Delayed Ring	0	20-04-03

Conditions

Program the Multiple Directory Number function keys NOT to ring before removing the key from keyset's programming.

Feature Cross Reference

♦   Multiple Directory Number / Call Coverage

Telephone Programming Instructions

To enter data for Program 15-11 (Virtual Extension Delayed Ring Assignment):
1. Enter the programming mode.
2. Enter 15 11

> **15-11-01 TEL200**
> **KY01 Mode1 = 0**

3. Enter the number of the item you want to program.

> **15-11-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 15: EXTENSION BASIC SETUP

15-12: CONVERSATION RECORDING DESINATION FOR EXTENSIONS

Description

Use **Program 15-12 : Conversation Recording Destination for Extensions** to set the Conversation Recording destination for each extension.

Note: If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 will be followed.

Input Data

Service Code	Max. 4 digits

Prog. No.	Item	Input data	Default	Description	Related Program
15-12-01	Recording Destination	Max.4 digits	No setting	Enter service access code programmed in 11-12-39	11-12-39
15-12-02	Automatic Recording for Incoming Calls	0 : Disable 1 : Enable	0	When an incoming trunk call is answered, this determines whether or not conversation recording is started automatically.	
15-12-03	Recording Contents Storing Method	0 : Specified 1 : Own Box	0		
15-12-04	Automatic Recording for Outgoing Calls	0 : Disable 1 : Enable	0	If another party response is checked by reversed polarity or digit time out, this determines whether or not the conversation recording is started automatically.	

Conditions

None

Feature Cross Reference

♦ Voice Mail

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PROGRAM 15: EXTENSION BASIC SETUP

15-12: CONVERSATION RECORDING DESINATION FOR EXTENSIONS

Telephone Programming Instructions

To enter data for Program 15-12(Conversation recording Destination for Extensions):

1. Enter the programming mode.
2. Enter 15 12

> **15-12-01 TEL200**
> **Dest.Ext No**

3. Enter the number of the item you want to program.

> **15-12-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

Program 15: Extension Basic Setup

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Description

Use **Program 15-13 : Loop Keys** to assign the Loop Key data for each keyset telephone. Loop Keys can be incoming, outgoing or both ways. Outgoing Loop Keys use the Data 1 options. Incoming Loop Keys use the Data 2 option. Both Way Loop Keys use both the Data 1 and Data 2 options.

Input Data

Extension Number	Max. 4 digits

Key Number (KTS with DLS)	01-46

Prog. No.	Item	Input Data
15-13-01	Data 1(Outgoing) Option	0-25 (0- Assigns the Loop Key for ARS, 1-25- Assigns the Loop Key to the trunk group specified)
15-13-02	Data 2(Incoming) Option	0-25 (0- Assigns the Loop Key to all trunk groups, 1-25- Assigns the Loop key to the trunk group specified)

Default

Programmable Function Key No. : 01-46
Data 1 (Outgoing) Option   : 0 (Assigns the Loop Key for ARS)
Data 2 (Incoming) Option   : 0 (Assigns the Loop Key to all trunk groups)

Conditions

None

Feature Cross Reference

♦   Loop Key

Telephone Programming Instructions

To enter data for Program 15-13(Loop Keys):
1. Enter the programming mode.
2. Enter 15 13

```
15-13-01 TEL200
OTG KY01 =   0
```

3. Enter the number of the item you want to program.

```
15-13-xx TELxxxx
xxxxx
```

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 16: DEPARTMENT GROUP

16-01: EXTENSION (DEPARTMENT GROUP BASIC DATA SETUP)

Description

Use **Program 16-01 : Department Group Basic Data Setup** to set the function mode for each department group.

Input Data

Extension (Department) Group Number		1-32		

Prog. No.	Item	Input data	Default	Related Program
16-01-01	Department Name	Max. 12 Character	No setting	11-07
16-01-02	**Department Calling Cycle** Use this option to set the call routing for Department Calling. Routing can be either circular (cycles to all phones in group) or priority (cycles to highest priority extensions first).	0 : Priority Routing 1 : Circular Routing	0	16-02
16-01-03	**Department Routing When Busy** Use this option to set how the system routes an Intercom call to a busy Department Group member. Intercom callers to the extension can either hear busy or route to the first available department number. This only occurs for calls to the extension directly, not the department number.	0 : Normal (Intercom caller to busy department member hears busy) 1 : Circular (Intercom callers to busy department member routes to idle member)	0	
16-01-04	Hunting Mode	0 : A last extension is called and hunting is stopped. 1 : Circular	0	
16-01-05	STG All Ring Mode Operation	0 : Manual 1: Automatic	0	11-16-10
16-01-06	STG Withdraw mode	0 : Disable (Camp On) 1 : Enable (Overflow Mode)	0	
16-01-07	Call Recall Restriction for STG	0 : Disable (Recall) 1 : Enable (non-Recall)	0	
16-01-08	**Maximum queuing number of STG Call**	0-32 (0 : No queuing)	0	
16-01-09	**Department Group Call no Answer Time** Set how long a call will ring a Department group extension before hunting occurs.	0-64800(sec.)	15	
16-01-10	**Hunt type** Set the type of hunting for each Extension (Department) Group:	0 : No queuing 1 : Hunting When Busy 2 : Hunting When No Answer 3 : Hunting When Busy or No Answer	0	

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PROGRAM 16: DEPARTMENT GROUP

16-01: EXTENSION (DEPARTMENT GROUP BASIC DATA SETUP)

Conditions

None

Feature Cross Reference

♦ Department Calling

Telephone Programming Instructions

To enter data for Program 16-01(Extension(Department) Group Basic Data Setup):

1. Enter the programming mode.
2. Enter 16 01

> **16-01-01TEL Gr1**
> **DeptName-**

3. Enter the number of the item you want to program.

> **16-01-xxTEL Grxx**
> **xxxxx**

4. Select the Department Group number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

---

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PROGRAM 16: DEPARTMENT GROUP SETUP

16-02: DEPARTMENT GROUP ASSIGNMENT FOR EXTENSIONS

Description

Use **Program 16-02 : Department Group Assignment for Extensions** to set the Department Groups. The system uses these groups for Department Calling. Assign pilot numbers to Department Groups you set up in Program 16-01. This lets system users place calls to the departments. Also use this program to set the priority of each extension within each Department Group. When a call comes into the group, it may ring the extensions in order of their priority.

Input Data

Extension Number	Max. 4 digits

Group Number	Priority	Default	Description	Related Program
1-32	1-999	1 – xxx (See Note Below)	Set up the Department Group called by the pilot number and the extension priority when a group is called. Call Pickup Groups are set up in 23-02.	11-07

Conditions

None

Feature Cross Reference

♦ Telephone Department Calling

Telephone Programming Instructions

To enter data for Program 16-02(Department Group Assignment for Extensions):
1. Enter the programming mode.
2. Enter 16 02

16-02-01 TEL
Extension Grp 1

3. Enter the number of the item you want to program.

16-02-xx TELxxxx
xxxxx

4. Select the Extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 16: DEPARTMENT GROUP SETUP

16-03: SECONDARY DEPARTMENT GROUP

Description

Use **Program 16-03 : Secondary Department Group** to set a second Department Group for extensions. Up to 16 extensions can be assigned per a Department Group.

Input Data

Extension (Department) Group Number	1-32

Secondary Extension No.	Extension Number	Priority Order	Description	Related Program
01-16	Max. 4 digits	0-999	This program is set up when using telephone into two or more groups.	

Default

All Extension Groups : No setting

Conditions

None

Feature Cross Reference

♦   Department Calling

Telephone Programming Instructions

To enter data for Program 16-03 (Secondary Department Group):
1. Enter the programming mode.
2. Enter 16 03

> **16-03-01 PltEx1**
> **01=Ext No**

3. Enter the number of the item you want to program.

> **16-03-xx PltExx**
> **xxxxx**

4. Select the Pilot extension number to programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
    Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-01: SYSTEM OPTIONS

Description

Use **Program 20-01 : System Options** to set various system options.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
20-01-01	Operator Access Mode	0 : Step 1 : Circular	0	Use this program to set up priority of a call when calling an operator telephone.	20-17
20-01-02	Test Message Mode	0 : Call mode 1 : Absent mode (Busy Tone)	0	Use this program to select the mode when calling the telephone which set up the text message.	11-11-14 15-07-08
20-01-03	DSP Sender Resource Selection	0 : Conference 1 : Caller-ID 2 : MFC	0		
20-01-04	-Not Used-	-	-		
20-01-05	DTMF Receive Active Timer	0-64800(sec.)	10	For OPXs, analogue telephones and certain analogue trunks (like DISA), the system attaches a DTMF receiver to the port for this interval. The system releases the receiver after the interval expires.	25-07-01
20-01-06	Alarm Clock Duration	0-64800(sec.)	30	This interval sets the duration of the alarm signal.	11-11-12
20-01-07	Callback Ring Duration	0-64800(sec.)	15	Callback rings an extension for this interval.	11-12-05 15-07-35
20-01-08	Trunk Queuing Callback Time	0-64800(sec.)	15	Trunk Queuing callback rings an extension for this interval.	11-12-05 15-07-35
20-01-09	Callback/ Trunk queuing Cancel Time	0-64800(sec.)	64800	The system cancels an extension's Callback or Trunk Queuing request after this interval.	11-12-05 15-07-35
20-01-10	Trunk Guard Timer	0-64800(sec.)	1		

Conditions

None

Feature Cross Reference

♦ Refer to above chart

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PROGRAM 20: SYSTEM OPTION SETUP

20-01: SYSTEM OPTIONS

Telephone Programming Instructions

To enter data for Program 20-01(System Options):

1. Enter the programming mode.
2. Enter 20 01

20-01-01
Operator Access 0

3. Enter the number of the item you want to program.

20-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-02: SYSTEM OPTIONS FOR KEY TELEPHONES

Description

Use **Program 20-02 : System Options for Multi-Line Telephones** to set various system options for Key Telephones.

Input Data

Prog. No.	Item	Input Data			Default
20-02-01	**Trunk Loop Key Operation Mode**	0 : Indicate the Using Loop Trunk 1 : Not Indicated			0
		Mode	**0 :** Keep Lamp	**1 :** Extinction	
		Incoming	300 IPM Red Blink		
		Talking	Green Lighting (On Talking TEL)	Extinction (LED off)	
		Holding	60 IPM Green blink (on Holding TEL	Extinction (LED off)	
20-02-02	**Trunk Loop Access Key Operating Mode** Use this option to set the operating mode of the extension's trunk group keys. The keys can be for incoming access, outgoing access or both.	0- Outgoing / Incoming 1- Outgoing 2- Incoming			0
20-02-03	-Not Used-	-			-
20-02-04	**Retrieve the Line After Transfer** Enable (1) or disable (0) an extension's ability to answer a call after it's been transferred, but before it's answered.	0- Not Holding 1- Holding			1
20-02-05	**Headset Busy Mode** Set the conditions under which a headset extension is busy to incoming callers.	0-Disable 1-Enable			0
20-02-06	**Preselection Time** When a keyset user preselects a line key, the system remembers the preselection for this interval.	0-64800(sec.)			5
20-02-07	**Time and Date Display Mode** Set how the Time and Date appear on display telephones. There are two display modes.	1-8 1: (12 hour) TUE 10 3:15PM 5: (24 hour) TUE 10 15:15			1
20-02-08	LCD Display Holding Time	0-64800(sec.)			5

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PROGRAM 20: SYSTEM OPTION SETUP

20-02: SYSTEM OPTIONS FOR KEY TELEPHONES

Input Data (Cont)

Prog. No.	Item	Input Data	Default
20-02-09	**Disconnect Supervision** Use this option to enable or disable disconnect supervision for the system trunks.	0 : Disable 1 : Enable	0
20-02-10	**-Not Used**-		
20-02-11	Default Setting of Microphone of Key Telephone	0 : Off 1 : On	1
20-02-12	**Forced Intercom Ringing** Use this option to enable or disable Forced Intercom Ringing. If enabled, incoming Intercom calls normally ring. If disabled, Intercom calls voice-announce.	0 : Disable (Voice) 1 : Enable (Ring)	1
20-02-13	-Not Used-	-	
20-02-14	Headset Ringing Cancel Timer	0 - 64800(sec.)	30

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 20-02(System Options for Key Telephones):
1. Enter the programming mode.
2. Enter 20 02

```
20-02-01
TRK Loop Key  0
```

3. Enter the number of the item you want to program.

```
20-02-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 20-03 : System Options for Single Line Telephones** to set up various options for Single Line Telephones.

Input Data

Prog. No.	Item	Input Data	Description	Default	Related Program
20-03-01	SLT Call Waiting Answer Mode	0 : Hook Flash 1 : Hook Flash + Service code (894)	For a busy Single Line Telephone, set the mode used to answer a camped-on trunk call.	0	11-12-47
20-03-02	**-Not Used**-	-	-		
20-03-03	SLT DTMF Dial to Trunk Lines	0 : Receive all dialled data, be- fore sending 1 : Direct through out	**Type 0 :** The system keeps the digits dialled by the SLT on a trunk in a buffer. After all the digits have been received, the system sends all the dig- its to the trunk. If the time space between digits is longer than the timer in Item 4, the system considers all digits re- ceived. **Type 1 :** The system passes the received dial from the SLT to the trunk immediately. If the SLT has a Last Number Dial key without a pause, this key may not be able to use the Last number dialling key with the Type 1 setting. When toll restrictions are used on SLT ports, the setting must be Type 0.	0	20-03-04
20-03-04	Trunk Call Dial Sending Time by SLT	0-64800(sec.)		3	
20-03-05	SLT Operation Mode	0 : Normal Mode 1 : Extended Mode1 2 : Extended Mode2		0	
20-03-06	Headset Ringing Cancel Time	0-64800(sec.)		5	

Conditions

None

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Feature Cross Reference

♦   Single Line Telephone, Analogue

Telephone Programming Instructions

To enter data for Program 20-03(System Options for Single Line Telephones):
1. Enter the programming mode.
2. Enter 20 03

20-03-01
Call Wait ANS 0

3. Enter the number of the item you want to program.

20-03-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-04: SYSTEM OPTIONS FOR VIRTUAL EXTENSIONS

Description

Use **Program 20-04 : System Options for Virtual Extensions** to set up various system options for Virtual Extensions.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
20-04-01	The virtual extension operation mode when answered incoming call	0 : Release virtual extension after answered incoming call 1 : Holding a virtual extension after answered incoming call	0	
20-04-02	-Not Used-	-	-	-
20-04-03	**Call Coverage Delay Interval** Multiple Directory Number/Call Coverage Keys set for Delayed Ringing (see Program 15-11) ring the covering extension after this interval.	0 – 64800(sec)	10	15-11

Conditions

None

Feature Cross Reference

♦   Multiple Directory Number / Call Coverage

Telephone Programming Instructions

To enter data for Program 20-04(System Options for Virtual extensions):
1. Enter the programming mode.
2. Enter 20 04

```
20-04-01
V-Ext Answer  0
```

3. Enter the number of the item you want to program.

```
20-04-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-06: CLASS OF SERVICE FOR EXTENSIONS

Description

Use **Program 20-06 : Class of Service for Extensions** to assign a Class of Service to an extension. There are15 Classes of Service that can be assigned. To specify the options in each Class of Service, refer to Programs 20-07 through 20-13. You make eight entries for Program 20-06, one for each Night Service Mode.

Input Data

Extension Number	Max. 4 digits

Day/Night Mode	Class of Service Extensions	Default
1-8	1-15	All Extensions are Class 1.

Conditions

None

Feature Cross Reference

♦   Class of Service

Telephone Programming Instructions

To enter data for Program 20-06(Class of Service for Extensions):

1. Enter the programming mode.
2. Enter 20 06

> **20-06-01 TEL200**
> **Mode1 ClassNo.1**

3. Enter the number of the item you want to program.

> **20-06-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-07:CLASS OF SERVICE OPTIONS (ADMINISTRATOR LEVEL)

Description

Use **Program 20-07 : Class of Service Options (Administrator Level)** to define the administrator service availability for each extension's Class of Service.

Input Data

Class of Service Number	01-15

Prog. No.	Item	Input Data	Default*	Related Program
20-07-01	**Manual Night Service Enabled** Enabled/disabled an extension's ability to use manual Night Service Switching		0	11-10-01
20-07-02	**Changing the Music on Hold Tone** Enable/disable an extension's ability to change the Music on Hold tone		0	11-10-02
20-07-03	**Time Setting** Enables/disables an extension's ability to set the Time via Service Code 828.		1	11-10-03
20-07-04	**Storing Abbreviated Dialling Entries** Enables/disables an extension's ability to store Abbreviated Dialling numbers. With this disabled, an extension will display only the name assigned to the Abbreviated Dialling number - the telephone number will not be displayed. This could be used if you wish to prevent Account Codes from being displayed.		1	11-10-04
20-07-05	**Set/Cancel Automatic Transfer to Transfer**		1	11-10-06 11-10-07 11-10-08
20-07-06	-Not Used-	0 : Off 1 : On	-	-
20-07-07	-Not Used-		-	-
20-07-08	-Not Used-		-	-
20-07-09	-Not Used-		-	-
20-07-10	**Programmable Function Key Programming (Appearance Level)** Enables/disables an extension's ability to program their Appearance function keys using Service Code 852 (by default).		1	11-11-38
20-07-11	**Forced Trunk Disconnect (analogue trunk only)** Enables/disables an extension's ability to use Forced Trunk Disconnect.		0	11-10-26
20-07-12	**Trunk port disable**		0	11-10-27
20-07-13	**VRS Record** Enables/disables extension's ability to record, erase and listen to VRS messages		1	11-10-19

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PROGRAM 20: SYSTEM OPTION SETUP
20-07:CLASS OF SERVICE OPTIONS (ADMINISTRATOR LEVEL)

Input Data (Cont)

Prog. No.	Item	Input Data	Default*	Related Program
20-07-14	**VRS General Message Listen** Enables/disables extension's ability to dial 4 or Service Code 711 and listen to the General Message		1	11-10-21
20-07-15	**VRS General Message Record** Enables/disables extension's ability to dial Service Code 712 and record, listen to or erase the General Message	0 : Off 1 : On	1	11-10-22
20-07-16	-Not Used-		-	
20-07-17	-Not Used-		-	
20-07-18	**SMDR printout accumulated extension data**		0	11-10-23
20-07-19	**SMDR printout accumulated STG data**		0	11-10-24
20-07-20	**SMDR printout accumulated account code data**		0	11-10-25

Conditions

None

Feature Cross Reference

♦   Class of Service

Telephone Programming Instructions

To enter data for Program 20-07(Class of Service Options (Administrator Level)):
1. Enter the programming mode.
2. Enter 20 07

```
20-07-01 F-Cls1
SW Man NT serv 0
```

3. Enter the number of the item you want to program.

```
20-07-xx F-Clsxx
xxxxx
```

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-08: CLASS OF SERVICE OPTIONS (OUTGOING CALL SERVICE)

Description

Use **Program 20-08 : Class of Service Options (Outgoing Call Service)** to define the Outgoing call feature availability for each extension's Class of Service.

Input Data

Class of Service Number	01-15

Prog. No.	Item	Input Data	Default*	Related Program
20-08-01	**Intercom Calls** Enable/disable Intercom calling for the extension.		1	
20-08-02	**Trunk Calls** Enable/disable outgoing trunk calling for the extension.		1	
20-08-03	**Common Abbreviated Dialling**		1	
20-08-04	**Group Abbreviated Dialling**		1	
20-08-05	**Dial Number Preview** Enable/disable an extension's ability to use Dial Number Preview.		1	
20-08-06	**Toll Restriction Override** Enables/disables Toll Restricting Override (Service Code 875).		1	21-01-07 21-07
20-08-07	**Repeat Redial** Enables/disables an extension's ability to use Repeat Redial.		1	
20-08-08	**Toll Restriction Dial Block** Enable (1) or disable (0) an extension's ability to use Dial Block.	0 : Off 1 : On	0	
20-08-09	**Hotline/Extension Ringdown** Enables/disables Ringdown Extension for extensions with this COS.		0	
20-08-10	**Switching from Handsfree Answerback to Forced Intercom Ringing** Enables/disables an extension's ability to force Handsfree Answerback or Forced Intercom Ringing for outgoing Intercom calls.		1	
20-08-11	**Protect for the call mode switching from caller (Internal Call)**		0	
20-08-12	**Department Group Step Calling** Enables/disables an extension's ability to use Department Group Step Calling		1	
20-08-13	**CLIP** Set calling Party Number		1	10-03-05
20-08-14	**Call Sub-Address Information**		0	

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PROGRAM 20: SYSTEM OPTION SETUP

20-08: CLASS OF SERVICE OPTIONS (OUTGOING CALL SERVICE)

Input Data (Cont)

Prog. No.	Item	Input Data	Default*	Related Program
20-08-15	**Block Outgoing Caller ID** Enable (1) or disable (0) the system's ability to automatically block outgoing Caller ID information when a user places a call. If this option is on, the system automatically inserts the Caller ID block code (defined in Program 14-01-21) before the user's dialled digits.	0 : Off 1 : On	0	14-01-20 14-01-21
20-08-16	-Not Used-	-	-	-
20-08-17	**ARS Override Access Map**	0 : Disable (Not Override) 1 : Enable （Override)	0	

*All Classes are above mentioned default value.

Conditions

None

Feature Cross Reference

♦　Class of Service

Telephone Programming Instructions

To enter data for Program 20-08(Class of Service Options (Outgoing Call Service)):
1. Enter the programming mode.
2. Enter 20 08

```
20-08-01 F-Cls1
Intercom Call  1
```

3. Enter the number of the item you want to program.

```
20-08-xx F-Clsxx
xxxxx
```

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
　OR
　Press DC once to enter a new item number.
　OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-09: CLASS OF SERVICE OPTIONS (INCOMING CALL SERVICE)

Description

Use **Program 20-09 : Class of Service Options (Incoming Call Service)** to define the incoming call feature availability for each extension's Class of Service.

Input Data

Class of Service Number	01-15

Prog. No.	Item	Input Data	Default*	Related Program
20-09-01	**Second Call for DID/ DISA/ DIL** Enables/disables the extension's ability to receive a second call from a DID, DISA, DIL, or tie line caller. *Note:* With this option set to '1', the destination extension must be busy in order for a second DNIS caller to ring through. If the destination extension does not have a line or loop key available for the second call and a previous call is ringing the extension but has not yet been answered, the second caller will hear busy regardless of this program's setting.		0	
20-09-02	**Caller ID Display** Enables/disables the Caller ID display at an extension.		1	14-02-10 15-02-15 15-07-01
20-09-03	Sub Address Identification	0 : Off 1 : On	0	
20-09-04	**Notification for Incoming Call List Existence** When enabled, "Check List" appears on a System Phone's LCD for any new call received with Caller ID. This indicates that there is new Called ID information to view in the Caller ID list. When disabled, this LCD indication is not provided, although the new Caller ID can still be viewed in the Called ID list.		1	
20-09-05	**Setting Handsfree Answerback or Forced Intercom Ringing** Allows/prevents an extension from enabling Handsfree Answerback or Forced Intercom Ringing for their incoming Intercom calls.		1	11-11-15 11-11-16

Conditions

None

Feature Cross Reference

♦ Class of Service

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PROGRAM 20: SYSTEM OPTION SETUP

20-09: CLASS OF SERVICE OPTIONS (INCOMING CALL SERVICE)

Telephone Programming Instructions

To enter data for Program 20-09(Class of Service Options (Incoming Call Service)):

1. Enter the programming mode.
2. Enter 20 09

> **20-09-01 F-Cls1**
> **2nd Call DID OR0**

3. Enter the number of the item you want to program.

> **20-09-xx F-Clsxx**
> **xxxxx**

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-10:CLASS OF SERVICE OPTIONS (ANSWER SERVICE)

Description

Use **Program 20-10 : Class of Service Options (Answer Service)** to define the answer feature availability for each extension's Class of Service.

Input Data

Prog. No.	Item	Input Data	Default*	Related Program
20-10-01	**Group Call Pickup (Within Group)** Enables/disables Group Call Pickup for calls ringing an extension's own Pickup Group as well as ring group calls (Service Code 867).		1	
20-10-02	**Group Call Pickup (Another Group)** Enables/disables Group Call Pickup for calls ringing outside a group (Service Code 869).		1	
20-10-03	**Group Call Pickup for Specific Group** Enables/disables Group Call Pickup for a specific group using service code 868.		1	
20-10-04	**Group Call Pickup** Enable/disable an extension's ability to pick up a call ringing into a Pickup Group (Service Codes 867 and 856).	0 : Off 1 : On	1	
20-10-05	**Directed Call Pickup for Own Group** Enables/disables Directed Call Pickup for calls ringing an extension's own Pickup Group (Service Code 856).		1	
20-10-06	**Meet Me Conference and Paging** Enables/disables an extension's ability to use Meet Me Conference and Paging.		1	
20-10-07	**Automatic Answer of Universal Calls** Enables/disables an extension's ability to use Universal Auto Answer (no service code required).		1	
20-10-08	**Auto Off-Hook Answer for Call Coverage Keys** Enables (1) or disables (0) an extension's ability to answer an incoming call on a Call Coverage Key simply by lifting the handset.		0	

*All Classes are above mentioned default values.

Conditions

None

Feature Cross Reference

♦   Class of Service

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Telephone Programming Instructions

To enter data for Program 20-10(Class of Service Options (Answer Service)):

1. Enter the programming mode.
2. Enter 20 10

```
20-10-01 F-Cls1
Call Pickup   1
```

3. Enter the number of the item you want to program.

```
20-10-xx F-Clsxx
xxxxx
```

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-11: CLASS OF SERVICE OPTIONS (HOLD/TRANSFER SERVICE)

Description

Use **Program 20-11 : Class of Service Options (Hold/Transfer Service)** to define the Hold and Transfer feature availability for each extension's Class of Service.

Input Data

Class of Service Number	01-15

Prog. No.	Item	Input Data	Default*	Related Program
20-11-01	**Call Forward Immediate** Enables/disables an extension's ability to initiate Call Forwarding Immediate		1	
20-11-02	**Call Forward When Busy** Enables/disables an extension's ability to use Call Forward When Busy.		1	
20-11-03	**Call Forwarding When Unanswered** Enables/disables an extension's ability to use Call Forward When Unanswered.		1	
20-11-04	**Call Forwarding (Both Ringing)** Enables/Disables an extension's ability to activate Call Forwarding with Both Ringing.		1	
20-11-05	**Call Forwarding with Follow Me** Enables/disables an extension's ability to initiate Call Forwarding with Follow Me.		1	
20-11-06	**Unscreened Transfer** Enables/disables an extension's ability to use Unscreened Transfer.		1	
20-11-07	**Transfer Without Holding** Enables/disables an extension's ability to use Transfer Without Holding. When enabled, a user wishing to have a trunk call transferred to them presses the busy line key and waits for the call to complete. The system automatically sends them the call when the internal party to that call hangs up.	0 : Off 1 : On	0	
20-11-08	**Transfer Information Display** Enables/disables an extension's incoming Transfer pre-answer display.		1	
20-11-09	**Group Hold Initiate** Enables/disables an extension's ability to initiate a Group Hold.		1	
20-11-10	**Group Hold Answer** Enables/disables an extension's ability to pick up a call on Group Hold		1	
20-11-11	**Automatic On Hook Transfer** Enables/disables an extension's ability to use Automatic On Hook Transfer		1	
20-11-12	**Call Forwarding Off-Premise** Enables/disables an extension's ability to set up Call Forwarding Off-Premise for their phone.		0	

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PROGRAM 20: SYSTEM OPTION SETUP

20-11: CLASS OF SERVICE OPTIONS (HOLD/TRANSFER SERVICE)

Input Data (Cont)

*All Classes are above mentioned default value.

Prog. No.	Item	Input Data	Default*	Related Program
20-11-13	**Operator Transfer After Hold Callback** Enables/disables an extension's ability to have a call which recalls from hold transfer to the operator.		0	
20-11-14	**Trunk to Trunk Transfer Restriction** Disable (0) or enable (1) the Trunk-to-Trunk Transfer Restriction option. If enabled, trunk-to-trunk transfer is not possible.		0	
20-11-15	**VRS Personal Greeting** Enables/disables extension's ability to dial Service Code 713 to record, listen to or erase the Personal Greeting Message.	0 : Off 1 : On	1	
20-11-16	**Call Redirect** Enable or disable a keyset user's ability to transfer a call to a pre-defined destination (such as an operator, voice mail, or another extension) without answering the call.		0	
20-11-17	Call transfer setup for each telephone group		1	
20-11-18	**No Recall** Allow (0) or prevent (1) answered Transferred calls from recalling the originating extension.		0	
20-11-19	**Normal/Extended Park** Determine if an extension's Class of Service should allow either a normal or extended Park.		0	
20-11-20	**Ring Inward recall disable**		0	
20-11-21	**On Hook Trunk to Trunk Transfer Restriction**		0	

Conditions

None

Feature Cross Reference

♦   Class of Service

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PROGRAM 20: SYSTEM OPTION SETUP

20-11:CLASS OF SERVICE OPTIONS (HOLD/TRANSFER SERVICE)

Telephone Programming Instructions

To enter data for Program 20-11(Class of Service Options (Hold/Transfer Service)):

1. Enter the programming mode.
2. Enter 20 11

20-11-01 F-Cls1
Call Forward   1

3. Enter the number of the item you want to program.

20-11-xx F-Clsxx
xxxxx

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-13: CLASS OF SERVICE OPTIONS (SUPPLEMENTARY SERVICE)

Description

Use **Program 20-13 : Class of Service Options (Supplementary Service)** to define the supplementary feature availability for each extension's.

Input Data

Class of Service Number	01-15

Prog. No.	Item	Input Data	Default*	Related Program
20-13-01	**Long Conversation Alarm** Enables/disables the Warning Tone for Long conversation		0	
20-13-02	**Long Conversation Cutoff (Incoming)** Enables/disables an extension's ability to use Long Conversation Cutoff for incoming calls.		0	
20-13-03	**Long Conversation Cutoff (Outgoing)** Enables/disables an extension's ability to use Long Conversation Cutoff for outgoing calls.		0	
20-13-04	**Call Forwarding/DND Override** Enables/disables an extension's ability to use Call Forwarding/ DND Override.		1	
20-13-05	**Intercom Off Hook Signalling** Enables (1) or disables (0) an extension's ability to receive off hook signals.		1	
20-13-06	**Automatic Off Hook Signalling** Allows a busy extension to manually (0) or automatically (1) receive off hook signals.		0	
20-13-07	**Message Waiting** Enables/disables an extension's ability to leave Message Waiting.		1	
20-13-08	**Conference** Enables/disables an extension's ability to initiate a conference or Meet Me Conference.	0 : Off 1 : On	1	
20-13-09	**Privacy Release** Enables/disables an extension's ability to initiate a Voice Call Conference.		1	
20-13-10	**Barge In Mode** Enables the extension's Barge In to be speech mode (0) or Monitor mode (1).		0	
20-13-11	**Room Monitor, Initiating Extension** Enable/disable an extension's ability to initiate Room Monitor.		0	
20-13-12	**Room Monitor, Extension Being Monitored** Enable/disable an extension's ability to be monitored.		0	
20-13-13	**Continued Dialling** Enable/disable an extension's ability to use Continued Dialling which allows DTMF signal sending while talking on extension.		1	
20-13-14	**Department Calling** Enable/disable an extension's ability to call a Department Group.		1	

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PROGRAM 20: SYSTEM OPTION SETUP

20-13: CLASS OF SERVICE OPTIONS (SUPPLEMENTARY SERVICE)

Input Data (Cont)

Prog. No.	Item	Input Data	Default*	Related Program
20-13-15	**Barge In, Initiate** Enables/disables Barge In at initiating extension.		1	
20-13-16	**Barge In, Receive** Blocks/allows Barge In at the receiving extension.		1	
20-13-17	**Barge In Tone/Display** Use this option to enable/disable the Barge In tone. If enabled, callers hear an alert tone and their display indicates the Barge In when another extension barges into their conversation. If disabled, there is no alert tone or display indication.		1	
20-13-18	**Programmable Function Key Programming (General Level)** Enables/disables an extension's ability to program their General function keys using Service Code 851 (by default). (Refer to Program 20-07-10 for Service Code 852.)		1	
20-13-19	**Selectable Display Messaging** Enables/disables an extension's ability to use Selectable Display Messaging		1	
20-13-20	**Account Code/Toll Restriction Operator Alert** Enables/disables operator alert when an extension improperly enters an Account Code or violates Toll Restriction.		0	
20-13-21	**Extension Name** Enables/disables an extension's ability to program its name	0 : Off 1 : On	1	
20-13-22	**Called Party Status** Display the detail state of called party		0	
20-13-23	**Display the Reason for Transfer** Select whether an extension should display the reason a call is being transferred to their extension (Call Forward Busy, Call Forward No Answer, DND).		0	
20-13-24	**Privacy Release by Pressing Line Key** Enable (1) or disable (0) a user's ability to press a line key to barge into an outside call. The Barge In feature must be enabled if this option is to be used.		0	
20-13-25	-Not Used-		-	
20-13-26	-Not Used-		-	
20-13-27	Busy on seizing virtual extension		1	
20-13-28	**Allow COS to be Changed** Enable (1) or disable (0) the ability of an extension's COS to be changed via Service Code 177.		0	
20-13-29	**Paging Display** Enables (1) or disables (0) an extension's ability to display paging information.		1	
20-13-30	**Background Music** In an extension's Class of Service, allow (1) or prevent (0) an extension from turning Background Music on and off.		1	

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PROGRAM 20: SYSTEM OPTION SETUP

20-13: CLASS OF SERVICE OPTIONS (SUPPLEMENTARY SERVICE)

Input Data (Cont)

Prog. No.	Item	Input Data	Default*	Related Program
20-13-31	Connected Line identification (COLP)		0	
20-13-32	**Deny Multiple Barge-In** Enable (1) or disable (0) the extension's ability to have multiple user's Barge In to their conversation.		0	
20-13-33	-Not Used-		-	
20-13-34	**Block Manual Off-Hook Signalling** Enable (1) or disable (0) an extension's ability to block off-hook signals manually sent from a co-worker.		0	
20-13-35	**Block Camp-On** Enable (1) or disable (0) an extension's ability to block callers from dialling 2 to Camp On.	0 : Off 1 : On	0	
20-13-36	**Call Timer** In an extension's Class of Service, enable (1) or disable (0) an extension's ability to use the Call Timer.		1	
20-13-37	-Not used-		-	
20-13-38	**Headset Ear Piece Ringing**		0	15-07 Function No. 5 30-03 Function No. 5 11-11-43 20-02-05 20-02-14 20-03-06 80-01-57

*All Classes are above mentioned default values.

Conditions

None

Feature Cross Reference

♦ Class of Service

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PROGRAM 20: SYSTEM OPTION SETUP

20-13: CLASS OF SERVICE OPTIONS (SUPPLEMENTARY SERVICE)

Telephone Programming Instructions

To enter data for Program 20-13(Class of Service Options (Supplementary Service)):

1. Enter the programming mode.
2. Enter 20 13

20-13-01 F-Cls1
Long Conv Alarm1

3. Enter the number of the item you want to program.

20-13-xx F-Clsxx
xxxxx

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-14: CLASS OF SERVICE OPTIONS FOR DISA/E&M

Description

Use **Program 20-14 : Class of Service Options for DISA** to enable/disable DISA Class of Service options. You assign a DISA Class of Service to DISA users in Program 25-09. Up to 15 DISA Classes of Service can be defined.

Note: Analogue trunk-to-analogue trunk and ISDN trunk-to-ISDN trunk calls are supported by this program. However, analogue trunk-to-ISDN trunk and ISDN trunk-to-analogue trunk are not supported.

Input Data

Class of Service Number	01-15

Prog. No.	Item	Input Data	Default	Related Program
20-14-01	**-Not Used-**		-	
20-14-02	**Trunk Group Routing/ARS Access** This option enables or disables a DISA or tie trunk caller's ability to dial 9 for Trunk Group Routing or Automatic Route Selection (ARS)		0	
20-14-03	**Trunk Group Access** This option enables or disables a DISA trunk caller's ability to access trunk groups for outside calls (Service Code 814).		0	
20-14-04	**Common Abbreviated Dialling** This option enables or disables a DISA or tie trunk caller's ability to use the system's Common Abbreviated Dialling.		0	
20-14-05	**Operator Calling** This option enables or disables a DISA trunk caller's ability to dial 9 for the telephone system operator.	0 : Off 1 : On	0	
20-14-06	**Internal Paging** This option enables or disables a DISA trunk caller's ability to use the telephone system's Internal Paging.		0	
20-14-07	**External Paging** This option enables or disables a DISA trunk caller's ability to use the telephone system's External Paging.		0	
20-14-08	**Direct Trunk Access** This option enables or disables a DISA trunk caller's ability to use Direct Trunk Access (Service Code 815).		0	

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Input Data (Cont)

Prog. No.	Item	Input Data	Default	Related Program
20-14-09	-Not Used-		-	
20-14-10	Call Forward Setting by Remote Via DISA	0 : Off 1 : On	0	
20-14-11	**DISA Trunk Barge-In** This option enables or disables a DISA trunk caller's ability to use the Barge In feature.		0	

Conditions

None

Feature Cross Reference

♦ Class of Service

Telephone Programming Instructions

To enter data for Program 20-14(Class of Service Options for DISA):
1. Enter the programming mode.
2. Enter 20 14

> **20-14-01 F-Cls1**
> **Del 1digit Dial 0**

3. Enter the number of the item you want to program.

> **20-14-xx F-Clsxx**
> **xxxxx**

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-15: RING CYCLE SETUP

Description

Use **Program 20-15 : Ring Cycle Setup** to define the ringing cycles for each ring type.

Input Data

Prog. No.	Incoming Ring Type	Ring Cycle No.	Default	Related Program
20-15-01	Normal Incoming Call on Trunk		3	
20-15-02	PBX,CES incoming Call		8	
20-15-03	Internal Incoming Call		8	
20-15-04	DID/DISA		8	
20-15-05	DID		8	
20-15-06	-Not Used-	1-13	8	
20-15-07	Doorphone ringing for SLT		2	
20-15-08	Virtual Extension Ring		8	
20-15-09	Call-back		4	
20-15-10	Alarm for SLT		5	
20-15-11	VRS Waiting Message Incoming Call		6	

Ring Cycle

Ring Cycle No.	Ring Cycle
1	Not Supported
2	On:2.0 / Off:4.0
3	On:1.0 / Off:2.0
4	On:0.5 / Off:0.5
5	On:0.3 / Off:0.3
6	On:0.5 / Off:0.5 / On:0.5 / Off:1.5
7	On:0.4 / Off:0.2 / On:0.4 / Off:2
8	On:0.3 / Off:0.3 / On:0.3 / Off:2.1
9	On:0.2 / Off:0.2 / On:0.2 / Off:0.2 / On:0.2 / Off:2.0
10	On:1.0 / Off:4.0
11	On:0.3 / Off:0.3 / On:0.3 / Off:4.1
12	On:1.0 / Off:3.0
13	On:0.3 / Off:0.3 / On:0.3 / Off:2.1

Conditions

None

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PROGRAM 20: SYSTEM OPTION SETUP

20-15: RING CYCLE SETUP

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 20-15(Ring Cycle Setup):
1. Enter the programming mode.
2. Enter 20 15

> **20-15-01**
> **TRK Normal INC 3**

3. Enter the number of the item you want to program.

> **20-15-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-16: SELECTABLE DISPLAY MESSAGES

Description

Use **Program 20-16 : Selectable Display Messages** to enter the Selectable Display Messages. There are 20 alphanumeric messages, up to 16 characters long. Use the following chart when programming messages.

Key	Number of Key Presses												
	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	@	[	\	]	^	_	`	{	|	}		
2	A	B	C	a	b	c	2						
3	D	E	F	d	e	f	3						
4	G	H	I	g	h	i	4						
5	J	K	L	j	k	l	5						
6	M	N	O	m	n	o	6						
7	P	Q	R	S	p	q	r	s	7				
8	T	U	V	t	u	v	8						
9	W	X	Y	Z	w	x	y	z	9				
0	0	!	"	#	$	%	&	'	(	)			
*	*	+	,	-	.	/	:	;	<	=	>	?	
#	-Not Used-												
LND	Move the cursor to the left												
OPAC	Move the cursor to the right												
CLEAR	Clear all the entries from the point of the flashing cursor and to the right.												
FLASH	Switch the cursor moves to the upper row of the display and pressing FLASH again to moves the cursor back to the lower row.												

Input Data

Selectable Display Message Number	01-20

Text data
16 characters

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Default

Message Number	Message
1	MEETING_BY_##:##
2	ROOM_ -_ #######
3	COME BACK ##:##
4	CALL_ ##########
5	CALL_AFTER_##:##
6	LUNCH_BACK_##:##
7	B.TRIP_BACK##/##
8	B.TRIP##########
9	GONE_FOR_THE_DAY
10	DAY_OFF_BY_##/##
11	MESSAGE_11
12	MESSAGE_12
13	MESSAGE_13
14	MESSAGE_14
15	MESSAGE_15
16	MESSAGE_16
17	MESSAGE_17
18	MESSAGE_18
19	MESSAGE_19
20	MESSAGE_20

Conditions

"_" means space.

Feature Cross Reference

♦ Selectable Display Messages

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PROGRAM 20: SYSTEM OPTION SETUP

20-16: SELECTABLE DISPLAY MESSAGES

Telephone Programming Instructions

To enter data for Program 20-16(Selectable Display Messages):

1. Enter the programming mode.
2. Enter 20 16

20-16-01TxtMsg1
MEETING BY ##:##

3. Enter the number of the item you want to program.

20-16-xxTxtMsgxx
xxxxx

4. Select the Text Message number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-17: OPERATOR'S EXTENSION

Description

Use Program **20-17 : Operator's Extension** to designate an operator. When an extension user dials "0" or "9" (defined by Program 11-01 Type 5), calls go to the operator selected in this program.
If you don't assign an extension in Program 90-11-01, system alarms appear on the extension assigned in this option.

Input Data

Operator Number	1-8

Prog. No.	Item	Input Data	Default	Related Program
20-17-01	Operator Extension Number	Max. 4 digits	200	11-01
20-17-02	Operator Console	0 : Normal KTS 1 : Special Operator Console	0	

Conditions

None

Feature Cross Reference

♦ Intercom

Telephone Programming Instructions

To enter data for Program 20-17(Operator's Extension):
1. Enter the programming mode.
2. Enter 20 17

> **20-17-01 Operat1**
> **Oper.Ext.No.**

3. Enter the number of the item you want to program.

> **20-17-xxOperatx**
> **xxxxx**

4. Select the Operator number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 20-18 : Service Tone Timer** to set the values for the system service tone timers.
Refer to the following chart for a description of each option, its range and default setting.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
20-18-01	Extension Dial Tone sending Timer	0 - 64800 (sec.)	30	After getting Intercom dial tone, a KTS user has this interval to dial the first digit of the Intercom call.	
20-18-02	Busy Tone sending Timer	0 - 64800 (sec.)	15		
20-18-03	Congestion Tone sending Timer	0-64800(sec.)	10	A Busy Tone when system resources run short. (such as DTMF receiver resources)	
20-18-04	Warning Tone sending Timer	0-64800(sec.)	10	This option sets the interval between Call Waiting tones. This timer also sets the interval between Off Hook Signalling alerts.	
20-18-05	KTS Confirmation Tone sending Timer	0-64800(sec.)	10		
20-18-06	Interval of Call Waiting Tone	0-64800(sec.)	10		
20-18-07	Intrusion Tone	0-64800(sec.)	0	After a call is interrupted (such as Barge In, Voice Mail Conversation Recording, Voice Over, etc), the system repeats the Intrusion Tone after this interval. Normally, you should enter 0 to disable this interval.	
20-18-08	Conference tone Interval	0-64800(sec.)	0		
20-18-09	Warning Beep Tone Signalling Interval	0-64800(sec.)	60		14-01-18

Conditions

None

Feature Cross Reference

♦   Distinctive Ringing, Tones, and Flash Patterns

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PROGRAM 20: SYSTEM OPTION SETUP

20-18: SERVICE TONE TIMERS

Telephone Programming Instructions

To enter data for Program 20-18(Service Tone Timers):

1. Enter the programming mode.
2. Enter 20 18

20-18-01
Ext DT Time30

3. Enter the number of the item you want to program.

20-18-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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Description

Use **Program 20-19 : System Options for Caller ID** to define the system options for the Caller ID feature.

Input Data

Prog. No.	Item	Input data	Default	Related Program
20-19-01	Caller ID Displaying Format if Displaying Digits are more than 12 digits.	0 : First 10 digits 1 : Last 10 digits	0	
20-19-02	**Caller ID Wait Timer** When an incoming CO call is received, the system starts the timer. It will wait the programmed time for Caller ID information from telco before connecting the CO call.	0-30(sec.)	2	14-02-10
20-19-03	**Caller ID Edit Mode** Edit Caller ID Enables/disables an extension's ability to edit the stored Caller ID information	0 : Off 1 : On	1	14-02-10 15-07-01 15-02-15 20-09-02 20-09-04 10-02-03
20-19-04	Wait Facility IE Timer	0-64800(sec.)	10	
20-19-05	Caller-ID Sender active Timer	0-64800(sec.)	0	
20-19-06	Caller-ID Sender Guard Timer	0-64800(sec.)	0	

Conditions

None

Feature Cross Reference

♦ Distinctive Ringing, Tones, and Flash Patterns

Telephone Programming Instructions

To enter data for Program 20-19(System Options for Caller ID):
1. Enter the programming mode.
2. Enter 20 19

20-19-01
CallerID Format0

3. Enter the number of the item you want to program.

20-19-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 20-20 : Message Setup for Non-Caller ID Data** to define the messages which will be displayed when no Caller ID information is received.

Input Data

Prog. No.	Item	Input data	Default
20-20-01	Private Call	Up to 16 Alphanumeric Characters	UNAVAILABLE INFO
20-20-02	Call from out of service area		OUT-OF-STATE
20-20-03	Call information with error		NO CALLER INFO

Conditions

None

Feature Cross Reference

♦   Caller ID

Telephone Programming Instructions

To enter data for Program 20-20(Message Setup for Non-Caller ID Data):
1. Enter the programming mode.
2. Enter 20 20

```
20-20-01
UNAVAILABLE INFO
```

3. Enter the number of the item you want to program.

```
20-20-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-21: SYSTEM OPTION FOR LONG CONVERSATION

Description

Use **Program 20-21 : System Options for Long Conversation** to define the system options for the Long Conversation feature.

Input Data

Prog. No.	Item	Input data	Default	Related Program
20-21-01	**Long Conversation Alarm 1** The warning tone for long toll calls sounds after this interval.	0-64800(sec.)	170	20-13-01
20-21-02	**Long Conversation Alarm 2** After the initial long toll call warning tone, additional warning tones sound after this interval.	0-64800(sec.)	180	
20-21-03	**Long Conversation Cutoff for Incoming Call** This timer determines how long the system will wait before disconnecting an incoming call.	0-64800(sec.)	0	
20-21-04	**Long Conversation Cutoff for Outgoing Call** This timer determines how long the system will wait before disconnecting an outgoing call.	0-64800(sec.)	0	

Conditions

None

Feature Cross Reference

♦ Long Conversation Cutoff

Telephone Programming Instructions

To enter data for Program 20-21(System Options for Long Conversation):
1. Enter the programming mode.
2. Enter 20 21

```
20-21-01
Alarm 1    170
```

3. Enter the number of the item you want to program.

```
20-21-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 20: SYSTEM OPTION SETUP

20-25: ISDN OPTIONS

Description

Use **Program 20-25 : ISDN Options** to define the ISDN system options.

Default

Prog. No.	Item	Input data	Default
20-25-01	Send the Release Message After Subscriber Hang Up	0 : Service Off 1 : Service On	1
20-25-02	Progress Indicate Information element detect		1
20-25-03	Bearer Capability select from SLT Outgoing	0 : 3.1kHz Audio 1 : Speech	0
20-25-04	**Send DT Until User Dials the First Digit (Overlap Sending Mode)** With Overlap Sending Mode, if the network side stops dial tone when CLI is included in the SETUP message, the system sends dial tone until the user dials the first digit instead of the network.		0
20-25-05	T305 Timer Start After Sending Disconnect Message		1
20-25-06	Call Proceeding Send Mode		1
20-25-07	Busy Tone Mode Set When Disconnect Message Received	0 : Service Off 1 : Service On	0
20-25-08	Use of Low Layer Compatibility (LLC)		1
20-25-09	Use of High Layer Compatibility (HLC) Sending		1
20-25-10	S-Point Terminal Seizes Analogue Trunk		0
20-25-11	Automatic Changing System Clock When Date/Time Information Element Received		1
20-25-12	Incoming Calls Forwarded Out Automatically Return Connect Message When Outgoing Call Receives Alerting Message		0
20-25-13	Use busy tone when trunk call receives RELEASE message		0

Conditions

None

Feature Cross Reference

♦   ISDN Compatibility

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Telephone Programming Instructions

To enter data for Program 20-25 (ISDN Options):

1. Enter the programming mode.
2. Enter 20 25

> **20-25-01**
> **Send ReleaseMsg1**

3. Enter the number of the item you want to program.

> **20-25-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 21-01 : System Options for Outgoing Calls** to set the system options for Outgoing Call Service.

Input Data

Prog. No.	Item	Input data	Default	Related Program
21-01-01	Seizure Trunk Line Mode	0 : Route to Priority order 1 : Route to circular	0	14-05 14-06
21-01-02	**Intercom Interdigit Time** When placing Intercom calls, extension users must dial each digit within this interval.	0-64800(sec.)	10	
21-01-03	**Trunk Interdigit Time (External)** The system waits for this timer to expire before placing the call in a talk state (Call Timer starts after timer expires, Barge-In are not allowed until after timer expires).	0-64800(sec.)	10	14-02-08
21-01-04	-Not Used-	-	-	
21-01-05	-Not Used-	-	-	
21-01-06	Dial pause at first digit	0-64800(sec.)	3	
21-01-07	**Toll Restriction Override Time** After dialling the Toll Restriction Override codes, the system removes Toll Restriction from the extension for this interval.	0-64800(sec.)	10	
21-01-08	Preset dial display hold time	0-64800(sec.)	5	
21-01-09	**Ringdown Extension Timer** A Ringdown extension automatically calls its programmed destination after this interval.	0-64800(sec.)	5	
21-01-10	Dial Digits for Toll Restriction Path control	0-36	0	
21-01-11	Inter-Digit Time for Toll Restriction Path control	0-60(sec.)	0	
21-01-12	-Not Used-	-	-	
21-01-13	-Not Used-	-	-	

PROGRAM 21: OUTGOING CALL SETUP

21-01:SYSTEM OPTIONS FOR OUTGOING CALLS

Input Data (Cont)

Prog. No.	Item	Input data	Default	Related Program
21-01-14	**Forced Account Code Inter-digit Timer** The system waits this interval for a user to enter a Forced Account code.	0-64800(sec.)	3	
21-01-15	Outgoing Disable- on Incoming Line	0 : Service Off 1 : Service On	0	15-01-05 21-01-16 21-07-17
21-01-16	Timer to Supervise a dial Detection	0-64800(sec.)	20	15-01-05 21-01-15 21-01-17
21-01-17	Restriction digit in Outgoing Disable- on Incoming Line	1-9 (digit)	4	15-01-05 21-01-15 21-01-16

Conditions

None

Feature Cross Reference

♦   Central Office Calls, Placing

Telephone Programming Instructions

To enter data for Program 21-01(System Options for Outgoing service):
1. Enter the programming mode.
2. Enter 21 01

```
21-01-01
TRK Line Mode  0
```

3. Enter the number of the item you want to program.

```
21-01-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-02: TRUNK ROUTING FOR EXTENSIONS

Description

Use **Program 21-02 : Trunk Group Routing for Extensions** to assign Program 14-06 routes to extensions.

Input Data

Extension Number	Max. 4 digits

Day/ Night Mode	Route table number	Default	Related Program
1-8	0-25 (0 : No setting)	1	14-06 14-01-07

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 21-02(Trunk Group Routing for Extensions):

1. Enter the programming mode.
2. Enter 21 02

```
21-02-01 TEL200
Mode1=RouteTBL1
```

3. Enter the number of the item you want to program.

```
21-02-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 21-03 : Trunk Group Routing for Trunks** to set the Trunk Route Table for Automatic External Call Forward. The Route Table is set in Program 14-06.

Input Data

Trunk Port Number	1-51

Day/ Night Mode	Route table number	Default	Related Program
1-8	0-25 (0 : No setting)	0	14-06 14-01-07

Conditions

None

Feature Cross Reference

♦ Trunk Group Routing

Telephone Programming Instructions

To enter data for Program 21-03 (Trunk Group Routing for Trunks):

1. Enter the programming mode.
2. Enter 21 03

> **21-03-01 Trunk1**
> **Mode1=RouteTBL0**

3. Enter the number of the item you want to program.

> **21-03-xx Trunkxx**
> **xxxxx**

4. Select the Trunk number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-04: TOLL RESTRICTION CLASS FOR EXTENSIONS

Description

Use **Program 21-04 : Toll Restriction Class for Extensions** to assign a Toll Restriction class to an extension. The details of Toll Restriction are defined in Program 21-05 and 21-06.

Input Data

Extension Number	Max. 4 digits

Day/ Night Mode	Restriction Class	Default	Related Program
1-8	1-15	2	14-01-08 21-05

Conditions

None

Feature Cross Reference

♦ Toll Restriction

Telephone Programming Instructions

To enter data for Program 21-04 (Toll Restriction Class for Extensions):

1. Enter the programming mode.
2. Enter 21 04

```
21-04-01 TEL200
Mode1=T/RClass2
```

3. Enter the number of the item you want to program.

```
21-04-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-05: TOLL RESTRICTION CLASS

Description

Use **Program 21-05 : Toll Restriction Class** to set the system's Toll Restriction classes (1-15).

Input Data

Toll Restriction Class Number	1-15

Prog. No.	Item	Input Data	Description	Related Program
21-05-01	International Call restriction table	0 : Not assigned 1 : Assigned	This option assigns/ unassigns the International Call Restrict Table for the Toll Restriction Class you are programming. Enter International Call Restrict Table data in Program 21-06-01.	21-06-01
21-05-02	International Call permit code table		This option assigns/ unassigns the International Call Permit Table for the Toll Restriction Class you are programming. Enter International Call Permit Table data in Program 21-06-02.	21-06-02
21-05-03	-Not used-	-	-	
21-05-04	Maximum Number of Digits Table Assignment	0 : Disable 1 : Assigned for table 1 2 : Assigned for table 2 3 : Assigned for table 3 4 : Assigned for table 4	Select the table (defined in 21-06-03) to be used to determine the maximum number of digits allowed for outgoing calls.	21-06-04
21-05-05	Common permit code table	0 : Not assigned 1 : Assigned	It chooses whether the table set up by 21-06-04 is referred to, or not referred to.	21-06-05
21-05-06	Common restriction table	0 : Not assigned 1 : Assigned	It chooses whether the table set up by 21-06-05 is referred to, or not referred to.	21-06-06
21-05-07	Permit code table	0 : Disable 1 : Assigned for table 1 2 : Assigned for table 2 3 : Assigned for table 3 4 : Assigned for table 4	Set the tables 1-4 when referring to the table set up by 21-06-06.	21-06-07
21-05-08	Restriction table		Set the tables 1-4 when referring to the table set up by 21-06-07.	
21-05-09	Restriction for common ABB dials	0 : Not restricted 1 : Following restriction table	Use this option to enable/disable Toll Restriction for Common Abbreviated Dialling numbers. If enabled, Common Abbreviated Dialling numbers have the same restrictions as manually dialled numbers.	

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Input Data (Cont)

Prog. No.	Item	Input Data	Description	Related Program
21-05-10	Restriction for group ABB dials	0 : Not restricted 1 : Following restriction table	Use this option to enable/disable Toll Restriction for Group Abbreviated Dialling numbers. If enabled, Group Abbreviated Dialling numbers have the same restrictions as manually dialled numbers.	
21-05-11	Intercom Call Restriction	0 : Disable 1 : Enable	It chooses whether ICM incoming call is restricted.	
21-05-12	PBX Call Restriction	0 : Disable 1 : Enable	Use this option to set how the system Toll Restricts calls over PBX trunks. If you enable PBX Toll Restriction, the system begins Toll Restriction after the PBX access code. The user cannot dial a PBX extension. If you disable PBX Toll Restriction, the system only restricts calls that contain the PBX access code. The system does not restrict calls to PBX extensions. Refer to the PBX compatibility feature. Make sure Program 21-05-04 (Maximum Number of Digits Table Assignment) allows for PBX Toll Call Dialling (normally 12 digits).	
21-05-13	Restriction of Tie call	0 : Disable 1 : Enable	It chooses whether the toll restriction of the dial set up by 34-08 is enabled or disabled.	34-08

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PROGRAM 21: OUTGOING CALL SETUP

21-05: TOLL RESTRICTION CLASS

Default

Class	Programming No.21-05-												
	01	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**
1													
2													
3													
4													
5													
6													
7													
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9													
10													
11													
12													
13													
14													
15													

Conditions

None

Feature Cross Reference

♦ Toll Restriction

Telephone Programming Instructions

To enter data for Program 21-05(Toll Restriction Class):
1. Enter the programming mode.
2. Enter 21 05

> **21-05-01TolCls1**
> **Int'l Rest TBL 0**

3. Enter the number of the item you want to program.

> **21-05-xx TolClsxx**
> **xxxxx**

4. Select the Toll Restriction Class number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 21-06 : Toll Restriction Table Data Setup** to set the system's Toll Restriction data.
Dial 1-9, 0, *, # can be entered in each table.

Input Data

Prog. No.	Item	Table	Input Data	Default	Description
21-06-01	International Call restriction table	1-10	Dial (Up to 4 digits)	No setting	This option lets you program the Restrict Table for international calls. The system has 10 International Call Restrict Tables. Each entry can be up to four digits long.
21-06-02	International Call permit code table	1-20	Dial (Up to 6 digits)	No setting	This option lets you program the Permit Table for international calls. The system has 20 International Call Permit Table. Each entry can be up to six digits long, using.
21-06-03	Maximum Number of Digits Table Assignment	1-4	4-30	Table 1-4 = 30 digits	This option selects the maximum number of digits allowed in outgoing calls for each table.
21-06-04	Common permit code table	1-10	Dial (Up to 4 digits)	No setting	This option lets you program the Common Permit Code Table. This table contains up to 10 codes you commonly allow users to dial
21-06-05	Common restriction table	1-10	Dial (Up to 12 digits)	No setting	This option lets you program the Common Restrict Code Table. This table contains up to 10 codes you commonly prevent users from dialling.
21-06-06	Permit code table	1-4 (table) 1-200 (entry)	Dial (Up to 12 digits)	No setting	This option lets you program the Permit Code Tables. If the system has Toll Restriction enabled, users can dial numbers only if permitted by these tables and the Common Permit Table (21-06-04). There are four Permit Code Tables, with up to 200 entries in each table. The system permits calls exactly as you enter the code.
21-06-07	Restriction table	1-4 (table) 1-60 (entry)	Dial (Up to 12 digits)	No setting	This option lets you program the Restrict Code Tables. If the system has Toll Restriction enabled, users cannot dial numbers listed in these tables. There are four Restrict Code Tables, with up to 200 entries in each table. The system restricts calls exactly as you enter the code.

Input Data (Cont)

Prog. No.	Item	Table	Input Data	Default	Description
21-06-08	PBX Access Code	1-4	Dial (Up to 2 digits)	No setting	Use this option to enter the PBX Access Code. When the system is behind a PBX, this is the code users dial to access a PBX trunk. Toll Restriction begins after the PBX access code. For PBX trunks (Program 14-04) the system only Toll Restricts calls that contain the access code. Always program this option when the system is behind a PBX, even if you don't want to use Toll Restriction. PBX Access Codes can be up to 2 digits, using 0-9, #, * and LINE KEY 1 (don't care). When using Account Codes, do not use an asterisk within a PBX access code. Otherwise, after the *, the trunk would stop sending digits to the central office. Entries 1-4 correspond to the 4 PBX Access Codes. Each code can have up to 2 digits.
21-06-09	Specific dial outgoing code	1-20	Dial (Up to 8 digits)	No setting	
21-06-10	Outgoing Call Code Setup	1-20	Dial (Up to 4 digits)	No setting	

Conditions

None

Feature Cross Reference

♦ Toll Restriction

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PROGRAM 21: OUTGOING CALL SETUP

21-06: TOLL RESTRICTION TABLE DATA SETUP

Telephone Programming Instructions

To enter data for Program 21-06 (Toll Restriction Table Data Setup):

1. Enter the programming mode.
2. Enter 21 06

21-06-01IntTBL1
Rest TBL

3. Enter the number of the item you want to program.

21-06-xxIntTBLx
xxxxx

4. Select the International Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-07: TOLL RESTRICTION OVERRIDE PASSWORD SETUP

Description

Use **Program 21-07 - Toll Restriction Override Password Setup** to assign Toll Restriction Override codes to extension ports. Each code must be four digits long, using any combination of 0-9, # and *. Each extension can have a separate code, or many extensions can share the same override code.

Input Data

Extension Number	Max. 4 digits

Password	Default	Related Program
4 digits fixed	No setting	21-01-07 20-08-06

Conditions

None

Feature Cross Reference

♦   Toll Restriction Override

Telephone Programming Instructions

To enter data for Program 21-07 (Toll Restriction Class):
1. Enter the programming mode.
2. Enter 21 07

21-07-01 TEL200
Password

3. Enter the number of the item you want to program.

21-07-xx TELxxxx
xxxxx

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 21-08 : Repeat Dial Setup** to define the automatic Repeat Dial data.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
21-08-01	**Repeat Redial Count** Set how many times a Repeat Redial will automatically repeat if the call does not go through.	0-255	3	
21-08-02	**Repeat Redial Interval Time** This timer sets the interval between Repeat Redial attempts.	0-64800 (sec.)	60	
21-08-03	**Repeat Dial Calling Timer** After dialling the trunk call, Repeat Redial maintains the call after this interval. After this interval, the system terminates the call, waits the Repeat Redial Time (Timer 02) and tries again.	0-64800 (sec.)	30	
21-08-04	**Time for Send Busy Tone for ISDN Trunk** Set the timer (sec) to send out Busy Tone with an ISDN line, when called party is in busy.	0-64800 (sec.)	0	

Conditions

None

Feature Cross Reference

♦　　Repeat Dial

Telephone Programming Instructions

To enter data for Program 21-08 (Repeat Dial Setup):
1. Enter the programming mode.
2. Enter 21 08

> **21-08-01**
> **Repeat Times 3**

3. Enter the number of the item you want to program.

> **21-08-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
　 OR
　 Press DC once to enter a new item number.
　 OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-09: DIAL BLOCK SETUP

Description

Use **Program 21-09 : Dial Block Setup** to defines the Dial Blocking Toll Restriction Class and Dial Block Password to be used by the Supervisor extension.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
21-09-01	**Toll Restriction Class With Dial Block** Assign a Toll Restriction Class of Service when the Dial Block feature is used.	1-15	1	
21-09-02	**Supervisor Password** Assign a 4-digit password to be used by the supervisor to enable or disable Dial Block for other extensions.	0-9,*,# 4-digits Fixed	No setting	

Conditions

This function works by password and Class of Service control (the supervisor is not an assigned extension). If Dial Block is available for all Classes of Service, everyone may become a supervisor if they know the Dial Block password.

Feature Cross Reference

♦ Toll Restriction

Telephone Programming Instructions

To enter data for Program 21-09 (Dial Block Setup):

1. Enter the programming mode.
2. Enter 21 09

21-09-01
Dial Block T/R1

3. Enter the number of the item you want to program.

21-09-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-10: DIAL BLOCK RESTRICTION CLASS PER EXTENSION

Description

Use **Program 21-10 : Dial Block Restriction Class Per Extensions** to define the Toll Restriction Class to each extension when the extension is set for Dial Block Restriction. If this data is "0", Toll Restriction Class follows Program 21-09-01.

Input Data

Extension Number	Max. 4 digits

Toll Restriction Class	Default
0,1-15(0 : No setting)	0

Conditions

None

Feature Cross Reference

♦ Toll Restriction

Telephone Programming Instructions

To enter data for Program 21-10 (Dial Block Restriction Class Per Extensions):
1. Enter the programming mode.
2. Enter 21 10

```
21-10-01 TEL200
 T/R Class     1
```

3. Enter the number of the item you want to program.

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-11: ISDN CALLING PARTY NUMBER SETUP FOR TRUNKS

Description

Use **Program 21-11 : Extension Ringdown (Hotline) Assignment** to define the Hotline destination number for each extension number.

Input Data

Extension Number	Max. 4 digits

Hotline Destination Number	Default	Related Program
0-9,*,#, Pause, Hooking, @(Code to wait for response) (Max. 36 digits)	No setting	20-08-09 21-01-09

Conditions

None

Feature Cross Reference

♦   Ringdown Extension

Telephone Programming Instructions

To enter data for Program 21-11 (Extension Ringdown (Hotline) Assignment):
1. Enter the programming mode.
2. Enter 21 11

> **21-11-01 TEL200**
> **Hotline No**

3. Enter the number of the item you want to program.

> **21-11-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-13: ISDN CALLING PARTY NUMBER SETUP FOR EXTENSIONS

Description

Use **Program 21-12 : ISDN Calling Party Number Setup for Trunks** to assign Calling Party Numbers for each trunk (maximum 16 digits per entry). When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in 21-12.

Note: If the Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.

Input Data

Trunk Port Number	1-51

Calling Party Number	Default
0-9,*,# (Max. 16 digits)	No setting

Conditions

None

Feature Cross Reference

♦ ISDN Compatibility

Telephone Programming Instructions

To enter data for Program 21-12 (ISDN Calling Party Number Setup for Trunks):
1. Enter the programming mode.
2. Enter 21 12

21-12-01 Trunk1
PartyNo

3. Enter the number of the item you want to program.

21-12-xx Trunkxx
xxxxx

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-14: WALKING TOLL RESTRICTION PASSWORD SETUP

Description

Use **Program 21-13 : ISDN Calling Party Number Setup for Extensions** to assign each extension a Calling Party Number (maximum 16 digits per entry). The calling number is the subscriber number of the dial-in number. When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-12), the system sends the calling number for the ISDN trunk defined in Program 21-13.

Note: If the Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.

Input Data

Extension Port Number	Max. 4 digits

Calling Party Number	Default
0-9,*,# (Max. 16 digits)	No setting

Conditions

None

Feature Cross Reference

♦   ISDN Compatibility

Telephone Programming Instructions

To enter data for Program 21-13 (Calling Party Number Setup for Extensions):
1. Enter the programming mode.
2. Enter 21 13

> **21-13-01 TEL200**
> **PartyNo**

3. Enter the number of the item you want to program.

> **21-13-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 21: OUTGOING CALL SETUP

21-15: INDIVIDUAL TRUNK GROUP ROUTING FOR EXTENSIONS

Description

Use **Program 21-14 : Walking Toll Restriction Password Setup** to assign the password and Toll Restriction Class for Walking Toll Restriction. Each code is six digits long, using any combination of 0-9, # and *.

Input Data

ID Table Number	1-500

Prog. No.	Item	Input Data	Default	Related Program
21-14-01	User ID	Dial (6 digits Fixed)	No setting	
21-14-02	Walking Toll Restriction Class Number	1-15	15	

Conditions

None

Feature Cross Reference

♦ Toll Restriction

Telephone Programming Instructions

To enter data for Program 21-14 (Walking Toll Restriction Password Setup):

1. Enter the programming mode.
2. Enter 21 14

> **21-14-01 TBL1**
> **User ID**

3. Enter the number of the item you want to program.

> **21-14-xx TBLxxxx**
> **xxxxx**

4. Select the ID Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-01: SYSTEM OPTIONS FOR INCOMING CALLS

Description

Use **Program 22-01 : System Options for Incoming Calls** to define the system options for incoming calls.

Input Data

Prog. No.	Item	Input data	Default	Description	Related Program
22-01-01	Incoming Call Priority	0 : Intercom Call Priority 1 : Trunk Call Priority	1	Use this option to determine if Intercom calls or trunk calls have answer priority when both are ringing simultaneously.	
22-01-02	Incoming Call Ring No Answer Alarm	0 : Disable 1 : Enable	0	If enabled, an incoming call that rings longer than the Ring No Answer Alarm interval (22-01-03), will change to a unique ring cadence to indicate that the call has been ringing too long. If disabled, this will not occur.	22-01-03 22-01-04
22-01-03	Incoming Call Ring No Answer Tone	0-64800(sec.)	60	If a trunk rings a key telephone longer than this interval, the system changes the ring cadence. This indicates to the user that the call has been ringing too long	22-01-02
22-01-04	DIL No Answer Recall Time/1st to second Ring group	0-64800(sec.)	0	A DIL that rings its programmed destination longer than this interval diverts to the DIL No Answer Ring Group (set in Program 22-08).	
22-01-05	-Not used-	-	-	-	
22-01-06	DID Ring-No-Answer Time	0-64800(sec.)	20	In systems with DID Ring-No-Answer Intercept, this interval sets the Ring-No-Answer time. This interval is how long a DID call rings the destination extension before rerouting to the intercept ring group.	22-12
22-01-07	DID Incoming Ring Group no answer timer	0-64800(sec.)	20		
22-01-08	DID Pilot Call No answer timer	0-64800(sec.)	60		
22-01-09	DID to Trunk to Trunk no answer timer	0-64800(sec.)	20		

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PROGRAM 22: INCOMING CALL SETUP

22-01: SYSTEM OPTIONS FOR INCOMING CALLS

Input Data (Cont)

Prog. No.	Item	Input data	Default	Description	Related Program
22-01-10	VRS Waiting Message Operation	0 : Enable always 1 : Change by manual operation	0	This program set up the operation mode for Auto Attendant and Queuing Message.	22-14 22-15 22-08 22-04 22-01-04 20-15-11 15-07
22-01-11	VRS Waiting Message Interval Time	0-64800(sec.)	20	Setup the sending duration time of the Auto - Attendant & Queuing. The message is repeatedly sent out within the specified time.	22-14-06 22-15-06

Conditions

None

Feature Cross Reference

♦ Central office Calls, Answering

Telephone Programming Instructions

To enter data for Program 22-01 (System Options for Incoming Calls):
1. Enter the programming mode.
2. Enter 22 01

22-01-01
ICM Priority   1

3. Enter the number of the item you want to program.

22-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-02: INCOMING CALL TRUNK SETUP

Description

Use **Program 22-02 : Incoming Call Trunk Setup** to assign the incoming trunk type for each trunk. There is one item for each Night Service Mode.

Input Data

Trunk Port Number	1-51

Day/Night Mode.	Incoming Type	Default	Description	Related Program
1-8	0 : Normal 1 : VRS (Second Dial Tone if no VRS installed) 2 : DISA 3 : DID (ISDN) 4 : DIL 5 : -Not Used- 6 : Delayed VRS/DISA	0	Use this option to set the feature type for the trunk you are programming.	14-04 25-01 25-02 25-03 25-04 25-06 25-07 25-09 25-10 25-11 25-12 25-13

Conditions

None

Feature Cross Reference

♦   Central office Calls, Answering

Telephone Programming Instructions

To enter data for Program 22-02(Incoming Call Trunk Setup):
1. Enter the programming mode.
2. Enter 22 02

> **22-02-01 Trunk1**
> **Mode1 TRK Type=0**

3. Enter the number of the item you want to program.

> **22-02-xx Trunkxx**
> **xxxxx**

4. Select the trunk number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys. 5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-03: TRUNK RING TONE SETUP

Description

Use **Program 22-03 : Trunk Ring Tone Setup** to select the ring tone range for the trunk. The trunk uses a ring tone within the range selected when it rings an extension. There are three ring tones available.

Input Data

Trunk Port Number	1-51

Ring Tone Pattern	Default	Description	Related Program
0-2 （Ring Tone pattern 1-3）	0	Use this program to select the ring tone range for the trunk. The trunk uses a ring tone within the range selected when it rings an extension. There are three ring tones available.	15-02

Incoming Signal Frequency Pattern	Frequency	Modulation
0: Tone Pattern 1	600/450/16Hz	FM
1: Tone Pattern 2	450/16Hz	AM
2: Tone Pattern 3	600Hz	

Conditions

None

Feature Cross Reference

♦ Selectable Ring Tones

Telephone Programming Instructions

To enter data for Program 22-03(Trunk Ring Tone Setup):

1. Enter the programming mode.
2. Enter 22 03

```
22-03-01 Trunk1
Ring Tone Pat  0
```

3. Enter the number of the item you want to program.

```
22-03-xx Trunkxx
xxxxx
```

4. Select the trunk number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-04: INCOMING EXTENSION RING GROUP ASSIGNMENT

Description

Use **Program 22-04 : Incoming Extension Ring Group Assignment** to assign extensions to Ring Groups. Calls ring extensions according to Ring Group programming. Use Program 22-05 to assign trunks to Ring Groups. IRG can have up to 32 extension numbers assigned.

Input Data

Incoming Ring Group Number	1-25

Incoming Ring Group No.	Extension Number	Description	Related Program
01-32	Max. 4 digits	Use this program to assign extensions to Ring Groups. Calls ring extensions according to Ring Group programming.	22-02 22-05 22-06

Default

Extension 200 rings for incoming Ring Group 1 calls. All other extensions do not ring for incoming Ring Group 1 calls.

Conditions

♦ Ring Groups

Feature Cross Reference

Ring Groups

Telephone Programming Instructions

To enter data for Program 22-04 (Incoming Extension Ring Group Assignment):
1. Enter the programming mode.
2. Enter 22 04

```
22-04-01INC Gr1
Memb.01=  200
```

3. Enter the number of the item you want to program.

```
22-04-xx INCGrpxx
xxxxx
```

4. Select the Incoming Ring Group number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-05: IRG ASSIGNMENT FOR NORMAL RING TRUNK

Description

Use **Program 22-05 : Incoming Trunk Ring Group Assignment** to assign trunks to incoming Ring Groups.

Input Data

Trunk Port Number	1-51

Day/Night Mode	Incoming Group Number	Default	Description	Related Program
1-8	0 : No setting 1-25 : Incoming Ring Group 101 : DSPDB-VM (uses PRG 40-06 setting)	1	Use this program to assign Normal Ring Trunks (22-02) to Incoming Ring Groups (22-04).	22-04 22-06

Conditions

None

Feature Cross Reference

♦ Ring Groups

Telephone Programming Instructions

To enter data for Program 22-05 (Incoming Trunk Ring Group Assignment):
1. Enter the programming mode.
2. Enter 22 05

```
22-05-01 Trunk1
Mode1   IRG =1
```

3. Enter the number of the item you want to program.

```
22-05-xx Trunkxx
xxxxx
```

4. Select the Trunk number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP
22-06: NORMAL INCOMING RING MODE

Description

Use **Program 22-06 : Normal Incoming Ring Mode** to define whether or not an extension should ring for the Normal Incoming Ring Mode.

Input Data

Extension Number	Max. 4 digits

Day/Night Mode	Incoming Group Number	Default	Related Program
1-8	0 : No Ring 1 : Ring	1	22-04 22-05

Conditions

None

Feature Cross Reference

♦ Central Office Calls, Answering

Telephone Programming Instructions

To enter data for Program 22-06 (Normal Incoming Ring Mode):
1. Enter the programming mode.
2. Enter 22 06

```
22-06-01 TEL200
Mode1    =1
```

3. Enter the number of the item you want to program.

```
22-06-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME ▲ or VOL-UME▼ keys. 5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-07: DIL ASSIGNMENT

Description

Use **Program 22-07 : DIL Assignment** to assign the destination extension or Department Calling Group for each DIL Incoming trunk. A DIL rings an extension directly, without any other Access Map or Ring Group programming. If an extension has a line key, the DIL rings the line key. If the extension does not have a line key, the DIL rings loop keys (if programmed) or the CALL key (CALL key will always ring). Use Program 22-02 to designate a trunk as a DIL). You can make eight DIL assignments, one for each Night Service mode:

Input Data

Trunk Port Number	1-51

Day/Night Mode	Number of Transferring Destination	Default	Related Program
1-8	Extension number (Max. 4 digits) Department Group number (Max.4 digits)	No setting	22-02

Conditions

None

Feature Cross Reference

♦   Direct Inward Line (DIL)

Telephone Programming Instructions

To enter data for Program 22-07(DIL Assignment):
1. Enter the programming mode.
2. Enter 22 07

> **22-07-01 Trunk1**
> **Mode1 No =**

3. Enter the number of the item you want to program.

> **22-07-xx Trunkxx**
> **xxxxx**

4. Select the Trunk number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-08: DIL/IRG NO ANSWER DESINATION

Description

For DIL Delayed Ringing, use **Program 22-08 : DIL/IRG No Answer Destination** to assign the DIL No Answer Ring Group. An unanswered DIL rings this group after the DIL No Answer Time expires (Program 22-01-04). DIL Delayed Ringing can also reroute outside calls ringing a Ring Group.
You make eight assignments, one for each Night Service mode.

Input Data

Trunk Port Number	1-51

Day/Night Mode	Incoming Group Number	Default	Related Program
1-8	0 : No setting 1-25 : Incoming Ring Group 101 : DSPDB-VM	0	22-01-04

Conditions

None

Feature Cross Reference

♦ Direct Inward Line (DIL)
♦ Ring Group

Telephone Programming Instructions

To enter data for Program 22-08 (DIL/IRG No Answer Destination):
1. Enter the programming mode.
2. Enter 22 08

```
22-08-01 Trunk1
Mode1  IRG =0
```

3. Enter the number of the item you want to program.

```
22-08-xx Trunkxx
xxxxx
```

4. Select the Trunk number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-09: DID BASIC DATA SETUP

Description

Use **Program 22-09 : DID Basic Data Setup** to define the basic setting of Dial-In incoming calls for each trunk group.

Input Data

Trunk Group Number	1-25

Prog. No.	Item	Input Data	Default
22-09-01	**Expected Number of Digits** Enter the number of digits the table expects to receive from the telco. Use this program to make the system compatible with three- and four-digit DID service	1-8	4
22-09-02	**Received Vacant Number Operation** Use this option to enable or disable Vacant Number Intercept.	0 : Disconnect 1 : Transfer (Program 22-12)	0
22-09-03	Sub-addressing Mode	0 : Extension Number specify 1 : DID Conversion Table	0
22-09-04	DID Receiving Mode for ISDN	0 : Enbloc receiving 1 : Overlap receiving	0
22-09-05	Local Code Digits (Only Overlap Receiving Mode)	0-15 (0 : No Local Code)	0
22-09-06	Local Code (Only Overlap Receiving Mode)	Dial (Max. 16 digits)	No setting
22-09-07	Pilot Code (Only Overlap Receiving Mode)	Dial (1 digit : 0-9)	No setting
22-09-08	T302 Time-out Operation (Only Overlap Receiving Mode)	0 : Disconnect 1 : Transfer (Program 22-12)	0

Conditions

None

Feature Cross Reference

♦ Direct Inward Dialling (DID)

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Telephone Programming Instructions

To enter data for Program 22-09 (DID Basic Data Setup):

1. Enter the programming mode.
2. Enter 22 09

```
22-09-01TrkGrp1
D-In Recv digit4
```

3. Enter the number of the item you want to program.

```
22-09-xxTrkGrpxx
xxxxx
```

4. Select the Trunk Group number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-10: DID TRANSLATION TABLE SETUP

Description

Use **Program 22-10 : DID Translation Table Setup** to specify the size of the DID Translation Tables. There are 2000 Translation Table entries that you can allocate among 20 Translation Tables.

Input Data

Conversion Table Area Number	1-20

Item	Input data
1st Area Setup (Start Address)	0-2000 (0 : No setting)
1st Area Setup (End Address)	
2nd Area Setup (Start Address)	
2nd Area Setup (End Address)	

Default

Conversion Table Area	1st		2nd	
	Start Table	End Table	Start Table	End Table
1	1	200	0	0
2	201	400	0	0
3	401	600	0	0
4	601	800	0	0
5	801	1000	0	0
6	1001	1200	0	0
7	1201	1400	0	0
8	1401	1600	0	0
9	1601	1800	0	0
10	1801	2000	0	0
11	0	0	0	0
20	0	0	0	0

Conditions

None

Feature Cross Reference

♦ Direct Inward Dialling (DID)

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Telephone Programming Instructions

To enter data for Program 22-10 (DID Translation Table Setup):

1. Enter the programming mode.
2. Enter 22 10

> **22-10-01C-Area1**
> **1st Start   1**

3. Enter the number of the item you want to program.

> **22-10-xxC-Areaxx**
> **xxxxx**

4. Select the Conversion Table Area number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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Description

Use **Program 22-11 : DID Translation Number Conversion** to specify for each Translation Table entry (2000):
• The digits received by the system (eight max.)
• The extension the system dials after translation (36 digits max.)
• The name that should show on the dialled extension's display when it rings (twelve characters max.)
• The Transfer Target-1 and 2
If the Transfer Targets are busy or receive no answer, those calls are transferred to the final transfer destination (Program 22-10).
• Operation mode

Use the following chart when entering and editing text for names. Press the key once for the first character, twice for the second character, etc. For example, to enter a C, press "2" three times.

Key	Number of Key Presses												
	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	@	[	\	]	^	_	`	{	|	}		
2	A	B	C	a	b	c	2						
3	D	E	F	d	e	f	3						
4	G	H	I	g	h	i	4						
5	J	K	L	j	k	l	5						
6	M	N	O	m	n	o	6						
7	P	Q	R	S	p	q	r	s	7				
8	T	U	V	t	u	v	8						
9	W	X	Y	Z	w	x	y	z	9				
0	0	!	"	#	$	%	&	'	(	)			
#	-Not Used-												
*	*	+	,	-	.	/	:	;	<	=	>	?	
LND	Move the cursor to the left												
OPAC	Move the cursor to the right												
CONF	Clear the character entry to the left, one character at a time (Backspace Key)												
CLEAR	Clear all the entries from the point of the flashing cursor and to the right.												
FLASH	Switch the cursor moves to the upper row of the display and pressing FLASH again to moves the cursor back to the lower row.												

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PROGRAM 22: INCOMING CALL SETUP

22-11: DID TRANSLATION NUMBER CONVERSION

Input Data

Conversion Table Number	1-2000

Prog. No.	Item	Input Data	Default	Related Program
22-11-01	Received Number	Max. 8 digits	see Default	
22-11-02	Target Number	Max. 36 digits	see Default	
22-11-03	DID Name	Max. 12 Characters	No setting	
22-11-04	Transfer Operation Mode	0 : No Transfer 1 : Busy 2 : No Answer 3 : Busy/ No Answer	0	
22-11-05	Transfer Destination Number-1	0 : No setting 1-25 : Incoming Ring Group 101 : DSPDB-VM 201-232 : Department Group 400 : VRS AA	0	22-04 22-05 25-02 40-06
22-11-06	Transfer Destination Number-2	401 : DISA 1000-1999 : Common ABB Dial (000-999)	0	
22-11-07	Call Waiting	0 : Disable 1 : Enable	0	
22-11-08	Maximum Number of DID Calls	0-51 (0 : No limit)	0	
22-11-09	Music on Hold Source	0 : MOH Tone 1 : BGM Source 2 : Music Source Port	0	
22-11-10	Music Source Port Number	0-6	0	
22-11-11	**Ring Group Transfer** Enable (1) or disable (0) each conversion tables' ability to follow the Ring Group programming defined in **Program 22-12-01 : DID Intercept Ring Group.** If Program **22-11-05 : DID Translation Number Conversion, Transfer Destination Number 1** and **Program 22-11-06 : DID Translation Number Conversion, Transfer Destination Number 2** are set, the priority of transferring will be in this order: Program 22-11-05 then Program 22-11-06 then if Program 22-11-11 is enabled, Program 22-12-01.	0 : Disable 1 : Enable	1	

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PROGRAM 22: INCOMING CALL SETUP

22-11: DID TRANSLATION NUMBER CONVERSION

Default

Conversion Table	Received Number	Target Number
1	00	200
2	01	201
:	:	:
100	99	299
:	:	:
2000	No setting	No setting

Conditions

When 22-11-05 is set to 400 (VRS) then PRG 25-02 must be set.

Feature Cross Reference

♦ Direct Inward Dialling (DID)

Telephone Programming Instructions

To enter data for Program 22-11 (DID Translation Number Conversion):
1. Enter the programming mode.
2. Enter 22 11

> **22-11-01 TBL1**
> **Recv No 00**

3. Enter the number of the item you want to program.

> **22-11-xx TBLxxxx**
> **xxxxx**

4. Select the Conversion Table number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-12: DID INTERCEPT RING GROUP

Description

For each DID Translation Table, use **Program 22-12 : DID Intercept Ring Group** to define the first destination group for DID calls.

Depending on the entry in Program 22-09 and 22-11, the incoming calls will route to the first destination group by the following;

• Vacant number intercept (vacant number means that there is no phone connected, no station card installed, or the extension number is not defined in Program 11-02)

• Busy intercept

• Ring-no-answer intercept

If the destination is '0', the calls will be forwarded to the trunk ring group defined in Program 22-11 based on the table assigned to the DID trunk.

Note: If Program 22-09-05 and 22-09-06 are set, the priority of transferring will be in this order:
Program 22-09-05 → Program 22-09-06 → Program 22-12

Input Data

Conversion Table Area Number	1-20

Day/Night Mode	Incoming Group Number	Default	Related Program
1-8	0 : No setting 1-25 : Incoming Ring Group 101 : DSPDB-VM	0	

Conditions

None

Feature Cross Reference

♦ Direct Inward Dialling (DID)

Telephone Programming Instructions

To enter data for Program 22-12(DID Intercept Ring Group):
1. Enter the programming mode.
2. Enter 22 12

> **22-12-01C-Area1**
> **Mode1　= 0**

3. Enter the number of the item you want to program.

> **22-12-xxC-Areaxx**
> **xxxxx**

4. Select the Conversion Area Table number to be programmed by pressing the FLASH or the VOLUME ▲ or VOLUME ▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
　OR
　Press DC once to enter a new item number.
　OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-13: DID TRUNK GROUP TO TRANSLATION TABLE ASSIGNMENT

Description

Use **Program 22-13 : DID Trunk Group to Translation Table Assignment** to assign the DID Trunk Groups to DID Translation Tables. DID trunks should be in their own group. If you have more than one type of DID trunk, put each type in a separate Trunk Group. For each Trunk Group, you make a Translation Table entry for each Night Service mode.

Input Data

Trunk Group Number	1-25

Day/Night Mode	Conversion Table Area Number	Default	Related Program
1-8	0-20 (0 : No setting)	1	

Conditions

None

Feature Cross Reference

♦ Direct Inward Dialling (DID)

Telephone Programming Instructions

To enter data for Program 22-13 (DID Trunk Group to Translation Table Assignment):

1. Enter the programming mode.
2. Enter 22 13

> **22-13-01TrkGrp1**
> **Mode1 = 1**

3. Enter the number of the item you want to program.

> **22-13-xxTrkGrpxx**
> **xxxxx**

4. Select the Trunk Group number to be programmed by pressing the FLASH or the VOLUME ▲ or ▼ VOLUME keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-14: VRS WAITING DELAYED MESSAGE FOR IRG

Description

Use **Program 22-14 : VRS Waiting Delayed Message for IRG** to define for each incoming ring group the timers, VRS message number and tone kind for VRS Waiting Message.

Input Data

Incoming Ring Group Number	1-25

Prog. No.	Item	Input Data	Default
22-14-01	1st Waiting Message start timing	0-64800(sec.)	0
22-14-02	1st Waiting Message Number	0-49 (0 : No Message, 49 : Fixed message)	0
22-14-03	1st Waiting Message sending count	0-255	0
22-14-04	2nd Waiting Message Number	0-49 (0 : No Message, 49 : Fixed message)	0
22-14-05	2nd Waiting Message sending count	0-255	0
22-14-06	Tone kind at Message Interval	0 : Ring Back Tone 1 : MOH Tone 2 : BGM Source	0
22-14-07	Disconnect time after the end of VRS Waiting Message	0-64800(sec.) (0 : Not Disconnected)	60

Example）Time chart for VRS Waiting Message (PRG22-14-03 = 3 counts, PRG22-14-05=2 counts)
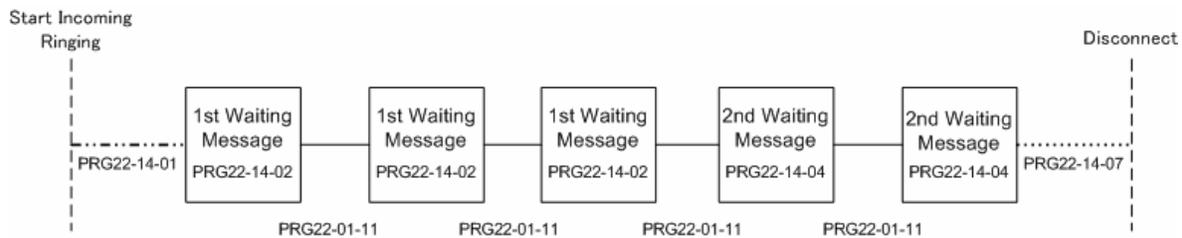
Conditions

None

Feature Cross Reference

♦ None

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PROGRAM 22: INCOMING CALL SETUP

22-14: VRS WAITING DELAYED MESSAGE FOR IRG

Telephone Programming Instructions

To enter data for Program 22-14 (VRS Waiting Delayed Message for IRG):

1. Enter the programming mode.
2. Enter 22 14

22-14-01INCGrp1
MSG1 StatTM0

3. Enter the number of the item you want to program.

22-14-xxINCGrpxx
xxxxx

4. Select the Incoming Ring Group number to be programmed by pressing the FLASH or the VOLUME ▲ or ▼ VOLUME keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 22: INCOMING CALL SETUP

22-15: VRS WAITING MESSAGE FOR DEPARTMENT GROUP

Description

Use **Program 22-15 : VRS Waiting Message for Department Group** to define for each Department (Extension) Group the timers, VRS message number and tone kind for VRS Waiting Message.

Input Data

Extension Group Number	01-32

Prog. No.	Item	Input Data	Default
22-15-01	1st Waiting Message start timing	0-64800(sec.)	0
22-15-02	1st Waiting Message Number	0-49 (0 : No Message, 49 : Fixed message)	49
22-15-03	1st Waiting Message sending count	0-255	0
22-15-04	2nd Waiting Message Number	0-49 (0 : No Message, 49 : Fixed message)	49
22-15-05	2nd Waiting Message sending count	0-255	0
22-15-06	Tone kind at Message Interval	0 : Ring Back Tone 1 : MOH Tone 2 : BGM Source	0
22-15-07	Disconnect time after the end of VRS Waiting Message	0-64800(sec.) (0 : Not Disconnected)	60

Conditions

1. All extensions in a Department Group must be busy before the VRS Waiting Message sequence will play to the caller.
2. IF all extensions are logged out (via SC:851:46 Department Log Out) then VRS Waiting Message is not played. ISDN indial callers will hear busy or be transferred to a ring group. PSTN callers will revert to a ring group.

Feature Cross Reference

♦   Department Group

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PROGRAM 22: INCOMING CALL SETUP

22-15: VRS WAITING MESSAGE FOR DEPARTMENT GROUP

Telephone Programming Instructions

To enter data for Program 22-15 (VRS Waiting Message for Department Group):

1. Enter the programming mode.
2. Enter 22 15

22-15-01 Ex.Gr1
MSG1 StatTM0

3. Enter the number of the item you want to program.

22-15-xx Ex.Grxx
xxxxx

4. Select the Extension Group number to be programmed by pressing the FLASH or the VOLUME▲ or
   ▼ VOLUME   keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 23: ANSWER FEATURES SETUP

23-02: CALL PICKUP GROUPS

Description

Use **Program 23-02 : Call Pickup Groups** to assign extensions to Call Pickup Groups. This program also lets you assign an extension's Call Pickup Group priority. If two extensions in a group are ringing at the same time, Group Call Pickup intercepts the highest priority extension first.

Input Data

Extension Number	Max. 4 digits

Group Number	Priority	Default	Description	Related Program
1-32	1-999	1-xxx	Use this program to assign extensions to Call Pickup Groups other than the extension group set up by a Program 16-02.	11-12-26 11-12-27 11-12-28 15-07-24 15-07-25 15-07-26

Conditions

None

Feature Cross Reference

♦ Group Call Pickup

Telephone Programming Instructions

To enter data for Program 23-02 (Call Pickup Groups):
1. Enter the programming mode.
2. Enter 23 02

```
23-02-01 TEL200
Group No    1
```

3. Enter the number of the item you want to program.

```
23-02-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 32: ANSWER FEATURES SETUP

23-03: UNIVERSAL ANSWER/AUTO ANSWER

Description

Use **Program 23-03 : Universal Answer/Auto Answer** to assign trunk routes 1-25 (set in Program 14-06) to extensions for Universal Answer. If the call ringing the paging system is in an extension's assigned route, the user can dial the Universal Answer code (843) to pick up the call.

You can also use this program to let an extension user automatically answer trunk calls that ring other extensions (not their own). When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06). The extension user's own ringing calls, however, always have priority over calls ringing other co-worker's extensions. Refer to the Line Preference feature for more information.

You make one entry for each Night Service mode.

Input Data

Extension Number	Max. 4 digits

Day/Night Mode.	Route Table Number	Default	Description	Related Program
1-8	0-25	0	Use this program to let an extension user automatically answer trunk calls that ring other extensions. When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06).	14-06

Conditions

None

Feature Cross Reference

♦ Line Preference
♦ Night Service

Telephone Programming Instructions

To enter data for Program 23-03(Universal Answer/Auto Answer):
1. Enter the programming mode.
2. Enter 23 03

```
23-03-01 TEL200
Mode1  Route=0
```

3. Enter the number of the item you want to program.

```
23-03-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 32: ANSWER FEATURES SETUP
23-04: RINGING LINE PREFERENCE FOR VIRTUAL EXTENSIONS

Description

Use **Program 23-04 : Ringing Line Preference for Virtual Extensions** to set the off-hook automatic response priority for calls ringing virtual extension keys on a telephone.

Input Data

Extension Number	Max. 4 digits

Priority order	Extension Group Number	Default	Description	Related Program
1-4	0-32 (0 : No setting)	0	When an extension has a virtual extension assigned to a Programmable Function Key, this program determines the priority for automatically answering the ringing calls when the handset is lifted. If "0" is selected, when the user lifts the handset, the user will answer a ringing call from any group.	16-02 20-10-08

Conditions

None

Feature Cross Reference

♦   Multiple Directory Numbers/ Call Coverage

Telephone Programming Instructions

To enter data for Program 23-04(Ringing Line Preference for Virtual Extensions):
1. Enter the programming mode.
2. Enter 23 04

> **23-04-01 TEL200**
> **Order1   STG=0**

3. Enter the number of the item you want to program.

> **23-04-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 24: HOLD/TRANSFER SETUP

24-01: SYSTEM OPTIONS FOR HOLD

Description

Use **Program 24-01 : System Options for Hold** to define the system options for the Hold feature

Input Data

Prog. No.	Item	Input Data	Default	Related Program
24-01-01	**Hold Recall Time** A call on Hold recalls the extension that placed it on Hold after this interval. This timer works with the Hold Recall Callback Timer (Item 2).	0-64800 （Sec.）	90	
24-01-02	**Hold Recall Callback Time** A trunk recalling from Hold or Park rings an extension for this interval. This timer works with timer 01 (Hold Recall Time) or timer 06 and 07 (Park Recall Time). After this interval, the system invokes the Hold recall time again. Cycling between timer 01 and 02 and 06 and 07 continues until a user answers the call.	0-64800 （Sec.）	30	
24-01-03	**Exclusive Hold Recall Time** A call left on Exclusive Hold recalls the extension that placed it on Hold after this interval.	0-64800 （Sec.）	90	
24-01-04	**Exclusive Hold Recall Callback Time** An Exclusive Hold Recall rings an extension for this interval. If not picked up, the call goes back on System Hold.	0-64800 （Sec.）	30	
24-01-05	**Forced Release of Held Call** Depending on the setting of Program 14-01-16, the system disconnects calls on Hold longer than this interval	0-64800 （Sec.）	64800	
24-01-06	**Park Hold Time – Normal** A call left parked longer than this interval recalls the extension that initially parked it.	0-64800 （Sec.）	90	20-11-19
24-01-07	**Park Hold Time – Extended** A call left parked longer than this interval recalls the extension that initially parked it.	0-64800 （Sec.）	300	20-11-19

Conditions

None

Feature Cross Reference

♦ Hold
♦ Park

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PROGRAM 24: HOLD/TRANSFER SETUP

24-01: SYSTEM OPTIONS FOR HOLD

Telephone Programming Instructions

To enter data for Program 24-01(System Options for Hold):

1. Enter the programming mode.
2. Enter 24 01

24-01-01
Hold Recall90

3. Enter the number of the item you want to program.

24-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
  OR
  Press DC once to enter a new item number.
  OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 24-02 : System Options for Transfer** to define the system options for Transfer feature.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
24-02-01	**Busy Transfer** Use this option to prevent or allow extensions to Transfer calls to busy extensions.	0 : Disable 1 : Enable	0	
24-02-02	**MOH or Ringback on Transferred Calls** Use this option to enable or disable MOH on Transfer. If enabled (0), a transferred caller hears MOH while their call rings the destination extension. If disabled (1), a transferred caller hears ring-back while their call rings the destination extension.	0 : Hold Tone 1 : Ring Back Tone	0	
24-02-03	**Delayed Call Forwarding Time** If activated at an extension, Delayed Call Forwarding occurs after this interval. This also sets how long a Transferred call waits at an extension forwarded to Voice Mail before routing to the called extension's mailbox.	0-64800(Sec.)	10	
24-02-04	**Transfer Recall Time** An unanswered transferred call recalls to the extension that initially transferred it after this interval.	0-64800(Sec.)	30	
24-02-05	**Message Wait Ring Interval Timer** For SLTs without message waiting lamps, this timer determines the amount of time between intermittent ringing. If this timer is set to '0' then the system rings once.	0-64800(Sec.)	30	
24-02-07	**Forced release timer for Trunk-to-Trunk Transfer**. When 14-02-12 = 1 and 14-02-13 = 1 this timer is also used for Call Forward Off-Premise.	0-64800(Sec.) 0=Off	1800	14-02-12 14-02-13
24-02-08	**Delayed transfer timer for all extension groups**	0-64800(Sec.)	10	11-11-28 11-11-29 15-07-59

Conditions

None

Feature Cross Reference

♦ Transfer

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Telephone Programming Instructions

To enter data for Program 24-02 (System Options for Transfer):

1. Enter the programming mode.
2. Enter 24 02

24-02-01
Busy Ext TRF 0

3. Enter the number of the item you want to program.

24-02-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 24: HOLD/TRANSFER SETUP

24-03: PARK GROUP

Description

Use **Program 24-03 : Park Group** to assign an extension to a Park Group. The system allows a total of 64 Park Groups. An extension can only pick up a call parked in orbit by an extension in its own group.

Input Data

Extension Number	Max. 4 digits

Park Group Number	Default	Description	Related Program
1-64	1	Assign an extension to a Park Group. The system allows a total of 64 Park Groups. In a Key Telephone, Park Key can be assigned for a Function Key.	15-07-01

Conditions

None

Feature Cross Reference

♦ Park

Telephone Programming Instructions

To enter data for Program 24-03 (Park Group):
1. Enter the programming mode.
2. Enter 24 03

> **24-03-01 TEL200**
> **ParkHold GrpNo1**

3. Enter the number of the item you want to program.

> **24-03-xx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 24: HOLD/TRANSFER SETUP

24-04: AUTOMATIC TRUNK-TO-TRUNK TRANSFER TARGET SETUP

Description

Use **Program 24-04 : Automatic Trunk-to-Trunk Transfer Target Setup** to assign the Abbreviated Dialling number bin which should be used as the destination of the Automatic Trunk-to-Trunk Transfer.

Input Data

Trunk Port Number	1-51

Day/Night Mode	Abbreviated Dial Area Number	Default	Description	Related Program
1-8	0-1999	1999	The destination of telephone number of the Trunk-to-Trunk Transfer uses the number registered into the Abbreviated Dial. Use this program to setup the Abbreviated Dial area.	11-10-8 13-04 24-05

Conditions

None

Feature Cross Reference

♦ Transfer

Telephone Programming Instructions

To enter data for Program 24-04 (Automatic Trunk-to-Trunk Transfer Target Setup):

1. Enter the programming mode.
2. Enter 24 04

```
24-04-01TrkPrt1
Mode1 ABB =1999
```

3. Enter the number of the item you want to program.

```
24-04-xxTrkPrtxx
xxxxx
```

4. Select Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 24: HOLD/TRANSFER SETUP

24-05: DEPARTMENT GROUP TRANSFER TARGET SETUP

Description

Use **Program 24-05 : Department Group Transfer Target Setup** to assign the Abbreviated Dialling bin which is used as the destination of the extension for the Department Group.

Input Data

Department Group Number	1-32

Day/Night Mode	Abbreviated Dial Area Number	Default	Description	Related Program
1-8	0-1999	1999	The Abbreviated Dialling area is used as the registration place for the destination of the transferred telephone number at the time of the extension group transfer use.	11-11-27 13-04 24-04

Conditions

None

Feature Cross Reference

♦ Transfer

Telephone Programming Instructions

To enter data for Program 24-05(Department Group Transfer Target Setup):
1. Enter the programming mode.
2. Enter 24 05

> **24-05-01 Ex Gr1**
> **Mode1 ABB =1999**

3. Enter the number of the item you want to program.

> **24-05-xx Ex.Grxx**
> **xxxxx**

4. Select extension Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 24: HOLD/TRANSFER SETUP
24-06: FIXED CALL FORWARDING

Description

For each extension/virtual extension port, use **Program 24-06 : Fixed Call Forwarding** to assign the Fixed Call Forwarding Type (0-4) and the destination extension/virtual extension. The following chart shows the Fixed Call Forwarding types:

Fixed Call Forwarding Type	Description
0	Fixed Call Forwarding Disable
1	Fixed Call Forwarding with both extension ringing
2	Fixed Call Forwarding when unanswered
3	Fixed Call Forwarding immediate
4	Fixed Call Forwarding when busy or unanswered

The Fixed Call Forwarding destination can be an on- or off-premise extension or a Voice Mail extension.

Input Data

Extension Number	Max. 4 digits

Fixed Call Forwarding Type	Transferred Telephone Number	Default	Description
0 : Call Forwarding Disable 1 : Call Forwarding with both extension ringing 2 : Call Forwarding when unanswered 3 : Fixed Call Forwarding immediate 4 : Call Forwarding when busy or unanswered	Max. 4 digits	0	Set the type of Fixed Call Forward type and specify the extension number transferred on originated telephone.

Conditions

Do not use Fixed Call Forwarding Type 1 (Both Ringing) with Voice Mail ports.

Feature Cross Reference

♦ Call Forwarding, Fixed

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PROGRAM 24: HOLD/TRANSFER SETUP

24-06: FIXED CALL FORWARDING

Telephone Programming Instructions

To enter data for Program 24-06 (Fixed Call Forwarding):

1. Enter the programming mode.
2. Enter 24 06

24-06-01 TEL200
Fix Cfwd Type 0

3. Enter the number of the item you want to program.

24-06-xx TELxxxx
xxxxx

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 24: HOLD/TRANSFER SETUP

24-07: FIXED CALL FORWARDING OFF-PREMISE

Description

Use **Program 24-07 : Fixed Call Forwarding Off-Premise** to assign the Fixed Call Forwarding Off-Premise telephone number for each extension/virtual extension. The off-premise destination can be up to 36 digits long, using 0-9, *, # and P (pause). Be sure to include the trunk access code (e.g., 9) in the number.

Input Data

Extension Number	Max. 4 digits

Off-Premise Destination Number	Default
0-9, * #,P,R,@ (Max. 36 digits)	No setting

Conditions

None

Feature Cross Reference

♦ Call Forwarding, Off-Premise

Telephone Programming Instructions

To enter data for Program 24-07 (Fixed Call Forwarding Off-Premise):
1. Enter the programming mode.
2. Enter 24 07

```
24-07-01 TEL200
Dial=
```

3. Enter the number of the item you want to program.

```
24-07-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-01: DID/DISA LINE BASIC DATA SETUP

Description

Use **Program 25-01 : DID/DISA Line Basic Data Setup** to define the basic setting of each DID/DISA line.

Input Data

Trunk Port Number	1-51

Prog. No.	Item	Input Data	Default	Related Program
25-01-01	DID/DISA Dial-In Mode	0 : Extension number/ Service Code Specify 1 : Use Dial Conversion Table of PRG 22-11	0	22-11
25-01-02	DISA User-ID	0 : Off 1 : On	1	25-08
25-01-03	DID/DISA Transfer Alarm	0 : Normal Ringing 1 : Alarm	0	

Conditions

None

Feature Cross Reference

♦ Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-01 (DID/DISA Line Basic Data Setup):
1. Enter the programming mode.
2. Enter 25 01

25-01-01TrkPrt1
Dial-In Mode 0

3. Enter the number of the item you want to program.

25-01-xxTrkPrtxx
xxxxx

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-02: DID/DISA VRS MESSAGE

Description

Use **Program 25-02 : DID/DISA VRS Message** to assign the VRS message number ("Talkie") to be used as the Automated Attendant Message for each trunk which is assigned as a DID/DISA (for each night service made).

Input Data

Trunk Port Number	1-51

Day/Night Mode	Talkie Type	Additional data	Default	Related Program
1-8	0 : No Talkie 1 : VRS 2 : ACI 3 : SLT	1 : VRS 01-48 (VRS Message No.) 2 : ACI 1-4 (ACI Group No.) 3 : SLT 1-32 (Station Group No.)	0	

Conditions

None

Feature Cross Reference

♦   Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-02 (DID/DISA VRS Message):
1. Enter the programming mode.
2. Enter 25 02

25-02-01TrkPrt1
Mode1 Talkie= 0

3. Enter the number of the item you want to program.

25-02-xxTrkPrtxx
xxxxx

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-03: DID/DISA TRANSFER RING WITH INCORRECT DIALLING

Description

Use **Program 25-03 : DID/DISA Transfer Ring Group with Incorrect Dialling** to set what happens to a call when the DISA caller dials incorrectly or waits too long to dial. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, you make an entry for each Night Service mode.

Input Data

Trunk Port Number	1-51

Day/Night Mode	Incoming Group Number	Default	Related Program
1-8	0 : Disconnect 1-25 : Incoming Ring Group 101 : (DSPDB-VM)	0	22-04

Conditions

None

Feature Cross Reference

♦ Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-03 (DID/DISA Transfer ring Group with Incorrect Dialling):
1. Enter the programming mode.
2. Enter 25 03

25-03-01TrkPrt1
Mode1 IRG No=0

3. Enter the number of the item you want to program.

25-03-xxTrkPrtxx
xxxxx

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-04: DID/DISA TRANSFER RING GROUP WITH NO ANSWER/BUSY

Description

Use **Program 25-04 : DID/DISA Transfer Ring Group with No Answer/Busy** to set the operating mode of each DISA trunk. This sets what happens to the call when the DISA caller calls a busy or unanswered extension. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, you make an entry for each Night Service mode.

Input Data

Trunk Port Number	1-51

Day/Night Mode	Incoming Group Number	Default	Related Program
1-8	0 : Disconnect 1-25 : Incoming Ring Group 101 : (DSPDB-VM)	0	22-04

Conditions

None

Feature Cross Reference

♦   Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-04(DID/DISA Transfer Ring Group with No Answer/Busy):
1. Enter the programming mode.
2. Enter 25 04

25-04-01TrkPrt1
Mode1 IRG No=0

3. Enter the number of the item you want to program.

25-04-xxTrkPrtxx
xxxxx

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-05: DID/DISA ERROR MESSAGE ASSIGNMENT

Description

Use **Program 25-05 : DID/DISA Error Message Assignment** to assign the VRS message number to be used as the Automated Attendant error message. For each DID/DISA trunk that the VRS will answer, enter the VRS message (1-48) the outside caller hears if they dial incorrectly. If you enter 0 (i.e., no error message), the call reroutes according to Program 25-03 and 25-04.

For each trunk, you make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	1-51

Day/Night Mode	VRS Message Number	Default	Related Program
1-8	0-48 (0 : No setting)	0	

Conditions

None

Feature Cross Reference

♦ Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-05 (DID/DISA Error Message Assignment):

1. Enter the programming mode.
2. Enter 25 05

> **25-05-01TrkPrt1**
> **Mode1 MSG No=0**

3. Enter the number of the item you want to program.

> **25-05-xxTrkPrtxx**
> **xxxxx**

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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Description

Use **Program 25-06 : DID/DISA One-Digit Code Attendant Setup** to set up single digit dialling through the VRS. This gives VRS callers single key access to extensions, the company operator, Department Calling Groups and Voice Mail. For each VRS message set to answer outside calls (see Program 25-04 and 25-05), you specify:

• The digit the VRS caller dials (0-9, *, #). (Keep in mind that if you assign destinations to digits, outside callers will not be able to dial system extensions.
• The destination reached (eight digits max.) when the caller dials the specified digit.
  The destination can be an extension, a Department Calling pilot number or the Voice Mail master number.
  A one- digit code can be assigned for each Automated Attendant message.

Example:
Attendant Message Number=01, Received Dial=2, Next Attendant Message Number=0, Destination Number=399,
In this example, when "2" is dialled by an outside caller, the system transfers the call to "399". This means that ext 200-299 cannot receive calls from DID / DISA users during/after VRS Message 01.

Input Data

Attendant Message Number	01-48

Received Dial	0-9,*,#

Prog. No.	Item	Input Data	Default	Related Program
25-06-01	Next Attendant Message Number	0-48 (0 : no setting)	1	
25-06-02	Destination Number	Max. 4 digits	No setting	

Conditions

None

Feature Cross Reference

♦   Direct Inward System Access (DISA)
♦   Voice Response System (VRS)

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PROGRAM 25: DID/DISA SETUP

25-06: DID/DISA ONE DIGIT CODE ATTENDANT SETUP

Telephone Programming Instructions

To enter data for Program 25-06 (DID/DISA One Digit Code Attendant Setup):

1. Enter the programming mode.
2. Enter 25 06

> **25-06-01Attend 1**
> **Recv1 MSG No=0**

3. Enter the number of the item you want to program.

> **25-06-xxAttendxx**
> **xxxxx**

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-07: SYSTEM TIMER FOR DID/DISA/VRS

Description

Use **Program 25-07 : System Timers for DID/DISA/VRS** to set the value for the system timers which affect DID and DISA. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
25-07-01	**DISA/VRS Dial Tone Time** After answering a DISA/VRS trunk, the system waits this interval for the caller to dial the first digit of the DISA password. If the caller fails to dial within this interval, the system drops the call	0-64800(sec) 0 = Off	10	22-02 25-04
25-07-02	**DID/DISA No Answer Time** A DISA caller can ring an extension for this interval before the system sets the call as a Ring No Answer. After this interval expires, the call follows the programmed Ring No Answer routing (set in Program 25-03 and 25-04).	0-64800(sec)	10	25-04
25-07-03	Disconnect after DID/DISA re-transfer to IRG	0-64800(sec)	60	
25-07-04	Calling Time to Automatic answering Telephone set	0-64800(sec)	10	
25-07-05	Duration time for Guidance Message by Automatic answering telephone set	0-64800(sec)	10	
25-07-06	Duration time for Guidance Message by ACI Talkie	0-64800(sec)	10	
25-07-07	**DISA Conversation Warning Tone Time** Determine the length of time a DISA caller can talk before the Long Conversation tone is heard.	0-64800(sec)	1800	
25-07-08	**DISA Long Conversation Disconnect** This timer determines how long the system will wait before disconnecting a call after the Long Conversation tone is heard.	0-64800(sec)	30	
25-07-09	**DISA Internal Paging Time** This is the maximum length of an Internal Page placed by a DISA caller. If the Page continues longer than this interval, the system terminates the DISA call.	0-64800(sec)	30	
25-07-10	**DISA External Paging Time** This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this interval, the system terminates the DISA call	0-64800(sec)	30	
25-07-11	DID/DISA/VRS Answer Delay Timer	0-64800(sec)	0	
25-07-12	-Not Used-	-	-	
25-07-13	**DID/DISA Busy Tone Interval** If a DISA caller dials a busy extension (and Program 25-04 = 0), the system plays busy tone for this interval before disconnecting.	0-64800(sec)	5	
25-07-14	**Delayed DID Answer Timer** Assign the delay time from switching from a normal incoming status to DID mode. If this time is set to '0', the call will switch to DID mode immediately.	0-64800(sec)	10	22-02

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PROGRAM 25: DID/DISA SETUP

25-07: SYSTEM TIMER FOR DID/DISA

Conditions

None

Feature Cross Reference

♦ Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-07(System Timers for DID/DISA):

25-07-01
VRS Dial TN 10

1. Enter the programming mode.
2. Enter 25 07

25-07-xx
xxxxx

3. Enter the number of the item you want to program.

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-08: DISA USER ID SETUP

Description

Use **Program 25-08 : DISA User ID Setup** to set the 6-digit DISA password for each user. There are 15 users each with one 6-digit password.

Input Data

DISA User Number	1-15

Password	Default	Related Program
Dial (6 digits fixed)	No setting	

Conditions

None

Feature Cross Reference

♦   Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-08(DISA User ID Setup):
1. Enter the programming mode.
2. Enter 25 08

> **25-08-01DISA-U1**
> **Password**

3. Enter the number of the item you want to program.

> **25-08-xxDISA-Uxx**
> **xxxxx**

4. Select the DISA User number to be programmed by pressing the FLASH or the VOLUME▲ or
   VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-09: CLASS OF SERVICE FOR DISA USERS

Description

Use **Program 25-09 : Class of Service for DISA Users** to set the DISA Class of Service for each user. When a DISA caller enters a password (defined in Program 25-08), the system identifies the user and associates the appropriate DISA Class of Service with the call. Assign the DISA Class of Service options in Program 20-14. When programming DISA Class of Service, you make one entry for each Night Service mode.

Input Data

DISA User Number	1-15

Day/Night Mode	Class of Service	Default
1-8	1-15	1

Conditions

1) The DISA Class of Service cannot be 0.
2) You cannot use Program 20-06 to assign Class of Service to DISA trunks.

Feature Cross Reference

♦ Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-09(Class of service for DISA Users):
1. Enter the programming mode.
2. Enter 25 09

25-09-01DISA-U1
Mode1   Class 1

3. Enter the number of the item you want to program.

25-09-xxDISA-Uxx
xxxxx

4. Select the DISA User number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-10: TRUNK GROUP ROUTING FOR DISA

Description

Use **Program 25-10 : Trunk Group Routing for DISA** to assign the Trunk Group route chosen when a user places a DISA call into the system and dials 9. Set Trunk Group Routing in Program 14-06. Enable or disable the DISA caller's ability to dial 9 in Program 20-14-02. You assign a route to each DISA Class of Service (1-15). The system assigns a DISA Class of Service to a call based on the password the DISA caller dials.

When programming, you make a separate entry for each Night Service Mode.

Input Data

DISA User Number	1-15

Day/Night Mode	Route Table Number	Default
1-8	0-25 (0 : No Setting)	1

Conditions

None

Feature Cross Reference

♦   Direct Inward System Access (DISA)

Telephone Programming Instructions

To enter data for Program 25-10(Trunk Group Routing for DISA):

1. Enter the programming mode.
2. Enter 25 10

25-10-01DISA-U1
Mode1 RouteTbl1

3. Enter the number of the item you want to program.

25-10-xxDISA-Uxx
xxxxx

4. Select the DISA User number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-11: DISA TOLL RESTRICTION CLASS

Description

For systems that use Toll Restriction, use **Program 25-11 : DISA Toll Restriction Class** to assign a Toll Restriction Class (1-15) to each DISA user (1-15). The system uses the Toll Restriction Class you enter in Program 21-05 and 21-06. The Toll Restriction Class assigned to a DISA call is based on the DISA Class of Service and user, which is determined by the password the caller dials.
When programming, you make a separate entry for each Night Service mode.

Input Data

DISA User Number	1-15

Day/Night Mode	Toll Restriction Class	Default
1-8	1-15	2

Conditions

You cannot use Program 21-05 to assign Toll Restriction to DISA trunks.

Feature Cross Reference

Direct Inward System Access (DISA)
Toll Restriction

Telephone Programming Instructions

To enter data for Program 25-11 (DISA Toll Restriction Class):
1. Enter the programming mode.
2. Enter 25 11

```
25-11-01DISA-U1
Mode1 T/RClass2
```

3. Enter the number of the item you want to program.

```
25-11-xxDISA-Uxx
xxxxx
```

4. Select Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-12: ALTERNATE TRUNK GROUP ROUTING FOR DISA

Description

Use **Program 25-12 : Alternate Trunk Group Routing for DISA** to define the trunk route selected when a DISA caller dials the Alternate Trunk Access Code. The route selected is based on the DISA caller's Class of Service, which is in turn determined by the password the caller dials. When programming, you make a separate entry for each Night Service Mode.

Use Program 11-09-02 to set the Alternate Trunk Access Code. Use Program 14-06 to set trunk routes.

Input Data

DISA User Number	1-15

Day/Night Mode	Route Table Number	Default
1-8	0-25 (0 : No setting)	0

Conditions

You cannot use Program 21-15 to assign Alternate Trunk Routing to DISA trunks.

Feature Cross Reference

♦   Direct Inward System Access (DISA)
♦   Trunk Group Routing

Telephone Programming Instructions

To enter data for Program 25-12 (Alternate Trunk Group Routing for DISA):
1. Enter the programming mode.
2. Enter 25 12

```
25-12-01DISA-U1
Mode1 RouteTbl 0
```

3. Enter the number of the item you want to program.

```
25-12-xxDISA-Uxx
xxxxx
```

4. Select the DISA User number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 25: DID/DISA SETUP

25-13: SYSTEM OPTION FOR DISA

Description

Use **Program 25-13 : System Option for DISA** to enter the password DISA callers must dial before the system will allow them to record, listen to and or erase the VRS messages. This program also is used to define additional DISA call options.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
25-13-01	**VRS Password** Enter the password DISA callers must dial before the system will allow them to record, listen to and or erase the VRS messages.	0-9,*,# (Fixed 6 digits)	000000	
25-13-02	-Not Used-	-	-	
25-13-03	-Not Used-	-	-	

Conditions

None

Feature Cross Reference

♦   Direct Inward System Access (DISA)
♦   Voice Response System (VRS)

Telephone Programming Instructions

To enter data for Program 25-13(System Option for DISA):
1. Enter the programming mode.
2. Enter 25 13

25-13-01
Access PWD000000

3. Enter the number of the item you want to program.

25-13-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-01: AUTOMATIC ROUTE SELECTION SERVICE

Description

Use **Program 26-01 : Automatic Route Selection Service** to define the system options for Automatic Route Selection (ARS).

Input Data

Prog. No.	Item	Input Data	Default	Related Program
26-01-01	**ARS Service** Enable or disable ARS	0 : Disable 1 : Enable	0	26-02 26-03 26-04
26-01-02	**Network Outgoing Inter-Digit ARS Timer** With Networking, this timer replaces 20-03-04 when determining if all network protocol digits have been received. If ARS is enabled at Site B, this timer can be programmed for 5 (500 msec) at Site A. If ARS is disabled and Site B is using F-Route for outbound dialling, this timer should be programmed for 30 (3 seconds) at Site A.	0-64800(x 100ms)	30(3 s e c .)	20-03-04
26-01-03	**ARS Misdialled Number Handling** If a user dials a number not programmed in ARS, this option determines if the system should route over trunk group 1 or play error tone.	0 : Route to Trunk Group 1 : Play Warning Tone to Dialler	0	21-02
26-01-04	**LCR Mode** Use this option to define the operation of dialled numbers beginning with digit 1.	0 : UK Mode 1 : Not UK Mode	0	26-02 26-05 26-06 26-07 26-08 26-09

Conditions

None

Feature Cross Reference

♦   Automatic Route Selection (ARS)

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-01: AUTOMATIC ROUTE SELECTION SERVICE

Telephone Programming Instructions

To enter data for Program 26-01 (Automatic Route Selection Service):

1. Enter the programming mode.
2. Enter 26 01

26-01-01
ARS Service   0

3. Enter the number of the item you want to program.

26-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-02: DIAL ANALYSIS TABLE FOR ARS

Description

Use **Program 26-02 : Dial Analysis Table for ARS** to set pre-transaction tables for selecting Automatic Route Selection (ARS).
• Service Type 1 (Route to Trunk Group Number) - the number routes to a trunk group.
• Service Type 2 (F-Route Selected) - The number is controlled by the F-Route table.

Input Data

Dial Analysis Table Number	1-200

Prog. No.	Item	Input Data	Default	Related Program
26-02-01	Dial	Max. 16 digits (0-9,*,#,@) @ = Wildcard	No set-ting	
26-02-02	Service Type	0 : No ARS 1 : Route to Trunk Group 2 : Select F-Route access	0	
26-02-03	Service Number	**In Service Type 1:** Select Trunk Group Number (0-25, 0=no route) **In Service Type 2:** ▪ F-Route Time Schedule Not Used = 0-500 (F-Route Table Number). Refer to Program 44-05. ▪ F-Route Time Schedule Used = 0-500 (F-Route Selection Number). Refer to Program 44-04.	0	44-04 44-05
26-02-04	ARS Class of Service	0-16	0	
26-02-05	Dial Treatment	0-15	0	
26-02-06	LCR Carrier Ta-ble	0-25	0	

Conditions

None

Feature Cross Reference

♦   Automatic Route Selection

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-02: DIAL ANALYSIS TABLE FOR ARS

Telephone Programming Instructions

To enter data for Program 26-02(Dial Analysis Table for ARS):

1. Enter the programming mode.
2. Enter 26 02

> **26-02-01AnaTb1**
> **Dial**

3. Enter the number of the item you want to program.

> **26-02-xxAnaTbxxx**
> **xxxxx**

4. Select the Dial Analysis Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-03: ARS DIAL TREATMENT

Description

Use **Program 26-03 : ARS Dial Treatments** to assign the 15 Dial Treatments for automatic ARS Dialling translation. Assign Dial Treatments to Service Numbers (Trunk Groups) in Program 26-02.
The ARS Dial Treatment options are:
• **3** - Delete the NPA if dialled as part of the initial call.
• **2** - Delete the leading digit if dialled as part of the initial call.
• **1** - Add a leading 1 if not dialled as part of the initial call.
• **INPA** - Insert the NPA specified by NPA.
• **DNN** - Outdial the NN number of digits or execute the code that follows. For example, D041234 out-dials 1234. Valid entries are 0-9, #, *, Wnn (wait nn seconds) and P (pause). Each digits code counts as a digit. So for example, if a P was added for a pause, the entry would look like: D05P1234. This Dial Treatment can only be added from telephone programming.
• **Wnn** - Wait nn seconds.
• **P** - Pause in analogue trunk.
• **R** - Redial the initially dialled number, including any modifications
• **E** - End of Dial Treatment. All Dial Treatments must end with the E code.

Input Data

Prog. No.	Dial Treatment Table Number	Input Data	Default	Related Program
26-03-01	1-15	Max. 36 characters	No setting	26-02

Conditions

None

Feature Cross Reference

♦ Automatic Route Selection

Telephone Programming Instructions

To enter data for Program 26-03(ARS Dial Treatments):
1. Enter the programming mode.
2. Enter 26 03

> 26-03-01ARS-T1

3. Enter the number of the item you want to program.

> 26-03-xxARS-Txx
> xxxxx

4. Select the Dial Treatment Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-04: ARS CLASS OF SERVICE

Description

Use **Program 26-04 : ARS Class of Service** to set an extension's ARS Class of Service. Automatic Route Selection uses ARS Class of Service when determining how to route an extension's calls.

Input Data

Extension Number	Max. 4 digits

Prog. No.	Day/Night Mode	Class	Default	Related Program
26-04-01	1-8	0-16	0	

Conditions

None

Feature Cross Reference

♦ Automatic Route Selection

Telephone Programming Instructions

To enter data for Program 26-04 (ARS Class of Service):
1. Enter the programming mode.
2. Enter 26 04

26-04-01 TEL200
Mode1 :COS 0

3. Enter the number of the item you want to program.

26-04-xx TELxxxx
xxxxx

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or
   VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-05: LCR CARRIER TABLE

Description

Use **Program 26-05 : LCR Carrier Table** to define the LCR Access Codes and routing options.
These options include Authorization codes and Cost Centre Codes.

Input Data

Carrier Table Number	1-25

Prog. No.	Description	Input Data	Default	Related Program
26-05-01	**Delete Digits** Enter the quantity of leading digits that need to be deleted	0-16	0	
26-05-02	**Access Code (Add Digits)** Enter the Access Code and Option to route to the Indirect Carrier	Max. 16 digits (0-9,*,#,@,Pause)	No setting	
26-05-03	**Authorization Code Table** Enter the table number that contains the correct Authorization code.	0-10	0	
26-05-04	**Cost Centre Code** Optionally enter a cost centre code.	0 : Not used 1 : Used	0	

Conditions

The settings must comply with the requirements of the Indirect Carrier.
The operation of the @ symbol within the Access Code depend on the type of trunk. For ISDN trunks the @ symbol defines that a Connect Message is received and then DTMF digits are sent in the B-Channel.

Feature Cross Reference

♦ Least Cost Routing

Telephone Programming Instructions

To enter data for Program 26-05 (LCR Carrier Table):
1. Enter the programming mode.
2. Enter 26 05

26-05-01CarTBL1
Delete digit 0

3. Enter the number of the item you want to program.

26-05-xx CarTBLxx
xxxxx

4. Select the Carrier Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-06: LCR AUTHORIZED CODE TABLE

Description

Use **Program 26-06 : LCR Authorization Code Table** to define the optional Authorization code (or PIN code) required by the Indirect Carrier. The Authorization code is inserted if set in Program 26-05-03.

Input Data

Authorization Table Number	Description	Input Data	Default	Related Program
1-10	Authorization Code	Max. 10 digits （0-9,*,#）	No setting	26-05-03

Conditions

The settings must comply with the requirements of the Indirect Carrier.
The Authorization Code is used by the Indirect Carrier to identify the customer for billing purposes.

Feature Cross Reference

♦   Least Cost Routing

Telephone Programming Instructions

To enter data for Program 26-06 (LCR Authorization Code Table):
1. Enter the programming mode.
2. Enter 26 06

```
26-06-01AthCod1
Dial
```

3. Enter the number of the item you want to program.

```
26-06-xxAthCodxx
Dialxxxxxxxxxxxx
```

4. Select the Authorization Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-07: LCR COST CENTRE CODE TABLE

Description

Use **Program 26-07 : LCR Cost Centre Code Table** to define the optional cost centre code required by the Indirect Carrier. The cost centre code is set for each extension. The cost centre code is inserted if set in Program 26-05-04.

Input Data

Extension Number	Input Data	Default	Related Program
Max. 4 digits	Max. 6 digits （0-9,*,#）	No setting	26-05-04

Conditions

The settings must comply with the requirements of the Indirect Carrier.
The Authorization Code is used by the Indirect Carrier to identify the customer for billing purposes.

Feature Cross Reference

♦   Least Cost Routing

Telephone Programming Instructions

To enter data for Program 26-07(LCR Cost Centre Code Table):
1. Enter the programming mode.
2. Enter 26 07

```
26-07-01 TEL200
Center CD
```

3. Enter the number of the item you want to program.

```
26-07-xx TELxxxx
xxxxx
```

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

IN
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SB

PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-08: LCR MANUAL OVERRIDE ACCESS CODE TABLE

Description

Use **Program 26-08 : LCR Manual Override Access Code Table** to define the access codes that the users can dial to select an indirect carrier i.e. bypass the automatic selection of Program 26-02.

Input Data

Manual Override Access Code Table Number	1-10

Prog. No.	Description	Input Data	Default	Related Program
26-08-01	**Manual Override Access Code** This code is dialled by the user to bypass the automatic selection.	Max.4 digits(0-9,*,#)	No setting	26-02
26-08-02	**Carrier table No.** The carrier table number of Program 26-05.	0-25	0	26-05

Conditions

The override code must begin with a digit 1 or it will not be checked against this table.
There can also exemptions to this table in Program 26-09.

Feature Cross Reference

♦   Least Cost Routing

Telephone Programming Instructions

To enter data for Program 26-08(LCR Manual Override Access Code Table):
1. Enter the programming mode.
2. Enter 26 08

26-08-01Manual 1
Dial

3. Enter the number of the item you want to program.

26-08-xx Manualxx
xxxxx

4. Select the Manual Override Access Code Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 26: ARS SERVICE & LEAST COST ROUTING

26-09: LCR MANUAL OVERRIDE EXEMPTION TABLE

Description

Use **Program 26-09 : LCR Manual Override Exemption Table** to define the numbers that must not be sent via an indirect carrier when the user dials a Manual Override Access Code. The exemptions are normally Emergency Services that may not be supported by the indirect carrier.

Input Data

Manual Override Exemption Table Number	1-25

Prog. No.	Description	Input Data	Default	Related Program
26-09-01	Exemption Number	Max.4 digits (0-9,*,#) Do not include the Access Code.	Table No.1= 000 Table No.2~25 = No Setting	26-08

Conditions

If the number dialled by the user corresponds to an entry in Program 26-09 the Topaz will delete the Manual Access code (Program 26-08) and route the call to the direct carrier. If the number specifies an Emergency Service you must ensure that the direct carrier will accept the call.

Feature Cross Reference

♦ Least Cost Routing

Telephone Programming Instructions

To enter data for Program 26-09(LCR Manual Override Exemption Table):
1. Enter the programming mode.
2. Enter 26 09

26-09-01Exempt1
Dial   000

3. Enter the number of the item you want to program.

26-09-xx Exemptxx
xxxxx

4. Select the Exemption Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 30: DSS/DIL CONSOLE

30-02: DSS CONSOLE EXTENSION ASSIGNMENT

Description

Use **Program 30-02 : DSS Console Extension Assignment** to identify which extensions have DSS Consoles assigned.
• You can have up to 9 different DSS Consoles. A single extension can have up to 9 64-Button DSS Consoles (9 is the maximum allowed per system).
• Each extension in the system can have one 24-Button DLS Console (72 maximum). An extension can have a 24-Button DLS Console in addition to 64-Button DSS Consoles.
When programming, each extension/DSS Console combination is called a Console Number.
There are 9 Console Numbers (1-9). You assign Console Numbers to extensions. When entering data, you normally make the assignment for Console Number 1 first.

Input Data

DSS Console Number	The Extension Number for Key Telephone connected with the DSS Console	Default	Related Program
1-9	Max. 4 digits	No setting	

Conditions

None

Feature Cross Reference

♦   Direct Station Selection (DSS) Console

Telephone Programming Instructions

To enter data for Program 30-02(DSS Console Extension Assignment):
1. Enter the programming mode.
2. Enter 30 02

30-02-01 DSS1
Ext.Number

3. Enter the number of the item you want to program.

30-02-xx DSSx
xxxxx

4. Select the DSS Console number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
    Press DC until you've exited that series' programming section

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Description

Use **Program 30-03 : DSS Console Key Assignments** to customize the key assignments for 64-Button DSS Consoles. A DSS Console key can have any function up to four digits long (e.g., extension number or Service Code).

Input Data

DSS Console Number	1-9

Function Number Lists

1) General Functional Level (00-99)

Function Number	Function	Additional Data	LED Indication
00	Not Defined		
01	DSS/One-Touch	Extension number or any number (Max.36 digits)	Red On: Extension Busy Off : Extension Idle Rapid Blink Red : DND or Call Forward
02	Microphone Key (On/Off)		Red On: MIC On Off : MIC Off
03	DND Key		Red On: DND Setup
04	BGM(On/Off)		Red On: BGM On Off : BGM Off
05	Headset Key		Red On: Headset off-hook Off: Headset on-hook
06	Transfer Key		None
07	Conference Key		Red On: Under Conference Operation
08	Incoming Call Log		Rapid Blink Red : New Call Log Red On: Call Log Off : No Call Log
09	Operation Mode Switch	Mode Number (1-8)	Red On: On mode
10	Call Forward - Immediate		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
11	Call Forward - Busy		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
12	Call Forward – No Answer		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state

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Function Number Lists (Cont)

Function Number	Function	Additional Data	LED Indication
13	Call Forward – Busy or No Answer		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
14	Call Forward - Both Ring		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
15	Call forward - Follow me		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
16	Call Forward to Station		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
17	Call Forward to Device		Slow Blink Red : Forwarding state Rapid Blink Red : Forwarded state
18	Text Message Setup	Message Number(01-20)	Red On: Under Setting
19	External Group Paging	External Paging Number (1-6)	Red On: Active
20	External All Paging		Red On: Active
21	Internal Group Paging	Internal Paging Number (1-32)	Red On: Active
22	Internal; All Call Paging		None
23	Meet-me answer to Internal Paging		None
24	Call Pickup for Own Group		None
25	Call Pickup for an-other Group		None
26	Call Pickup for speci-fied Group	Call Pickup Group Number (01-32)	None
27	Common Abbreviated dial	Common Abbreviated dial number (00-99 or 000-999)	None
28	Group Abbreviated Dial	Group Abbreviated dial Number (00-99 or 000-999)	None
29	Repeat Dial		Rapid Blink Red : Under a repeat dial
30	Saved Number Redial		None
31	Memo dial		None
32	Meet –me conference		None
33	Override (Off-hook signalling)		None
34	Break-in		None
35	Camp on		Red On: Under camp-on or reserva-tion
36	Department Step Call		None

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Function Number Lists (Cont)

Function Number	Function	Additional Data	LED Indication
37	DND/ Call FWD Override Call		None
38	Message Waiting		None
39	Room Monitoring		Rapid Blink Red : Under Monitored Slow Blink Red : Under Monitoring
40	Handset Transmission cut- off		Red On : Transmission Cut-Off
41	Secretary (Buzzer) Call	Extension Number (Max.4digits)	Red On : Transmission side Rapid Blink Red : Receiver side
42	Boss-Secretary	Extension Number (Max.4digits)	Red On : Boss-Secretary Mode
43	Series Call		None
44	Common Hold		None
45	Exclusive Hold		None
46	Department Hunt Group Withdrawing		Red On : Withdrawing
47	-Not Used-	-	-
48	-Not Used-	-	-
49	Call Redirection	Extension Number or Voice Mail Number (Max.4 digits)	None
50	Account Code		None
51	-Not Used-	-	-
52	Incoming Call queuing Setup	Incoming Ring Group (01-25)	Red On : Under setting
53	Queuing Message Starting		Red On: Active
54	External Call Forward by Door Box		Red On: Active
55	Extension Name Edit		None
56	Presence Display Operation	1-100	Red On: Presence
57	Presence Display Indication	1-100	Red On: Presence
58	Automatic Transfer at Department Group Call	Group No. 01-32	None
59	Delayed Transfer at Department Group Call	Group No. 01-32	None

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PROGRAM 30: DSS/DIL CONSOLE

30-03: DSS CONSOLE KEY ASSIGNMENT

Function Number Lists (Cont)

Function Number	Function	Additional Data	LED Indication
60	DND at Department Group Call	Group No.01-32	None
63	Calling Line Identification Restriction Mode		Red On: Active
66	- Not Used -	-	-
67	Mail Box (DSPDB)	Extension Number or Department group Number (Max. 4 digits)	Rapid Blink Red : New message received Red On : There are messages. Slow Blink Red : The message store regulation is under setup.
68	Voice Mail Service (DSPDB)	0 : Play Skip 1 : Play Back Skip 2 : Monitor	2 : In case of monitor mode, Slow Blink Red : Monitor setting - Automatic Red On : Monitor setting - Manual
69	Conversation recording service (DSPDB)	0 : Conversation recording 1 : Delete, Re-recording 2 : Delete	0 : In case of Conversation recording, Rapid Blink Red : Under recording (No destination) Red On : Under recording (Appointed destination)
70	Automated Attendant for extension (DSPDB)	Extension Number or Department group Number (Max.4 digits)	Red On : All Calls Slow Blink Red : Busy/ No Answer Calls
71	Message change for Voice Attendant	Extension Number or Department group Number (Max.4 digits)	None
72	-Not Used-	-	-
73	-Not Used-	-	-
74	-Not Used-	-	-
75	-Not Used-	-	-
76	-Not Used-	-	-
77	-Not Used-	-	-
78	-Not Used-	-	-
79	-Not Used-	-	-
80	Tandem Ringing Setup Key	Extension Number(Max.4 digits)	Red On : Master side Slow Blink Red : Slave Side
81	Automatic Transfer to Transfer Key	Trunk Line No.01-51	Red On : Set Off : Cancel

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2) Appearance Functional Level (*00-*99)

Function Number	Function	Additional Data	LED Indication
*01	Trunk key	Trunk Number (01-51)	
*04	Park key	Park Number (01-64)	

Default

All DSS Console

Conditions

None

Feature Cross Reference

Direct Station Selection (DSS) Console

Telephone Programming Instructions

To enter data for Program 30-03 (DSS Console Key Assignment):
1. Enter the programming mode.
2. Enter 30 03

```
30-03-01  DSS 1
KY01=01
```

3. Enter the number of the item you want to program.

```
30-03-xx  DSS x
xxxxx
```

4. Select the DSS Console number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 30: DSS/DIL CONSOLE

30-05: DSS CONSOLE LAMP ASSIGNMENT

Description

Use **Program 30-05 : DSS Console Lamp Table** to defines the LED patterns for functions on each DSS console.

Input Data

Prog. No.	Item	Lamp Pattern Data	Default	Related Program
30-05-01	Idle Extension	0-3,5,7 (4,6: Not Used)	0(Off)	
30-05-02	Busy Extension	0-3,5,7 (4,6: Not Used)	7(On)	
30-05-03	DND Extension	0-3,5,7 (4,6: Not Used)	3(RW)	

LED Pattern 0 : [Off]

LED Pattern 1 : [On(200ms)/Off(200ms)]
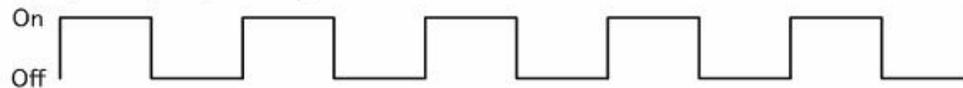
LED Pattern 2 : [On(400ms)/Off(600ms)]

LED Pattern 3 : [On(800ms)/Off(200ms)]

LED Pattern 4 : [Not Used]

LED Pattern 5 : [On(1400ms)/Off(200ms)/On(200ms)/Off(200ms)]

LED Pattern 6 : [Not Used]

LED Pattern 7 : [On]
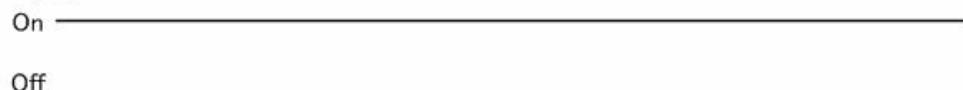
Conditions

None

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PROGRAM 30: DSS/DIL CONSOLE

30-05: DSS CONSOLE LAMP ASSIGNMENT

Feature Cross Reference

♦ Direct Station Selection (DSS) Console

Telephone Programming Instructions

To enter data for Program 30-05(DSS Console Lamp Table):
1. Enter the programming mode.
2. Enter 30 05

30-05-01
Idle Extension 0

3. Enter the number of the item you want to program.

30-05-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING
31-01: SYSTEM OPTIONS FOR INTERNAL/EXTERNAL PAGING

Description

Use **Program 31-01 : System Options for Internal/External Paging** to define the system options for Internal / External Paging.

The system shows the names you program on the telephone displays. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press key "2" three times. Press the key six times display the lower case letter.

Key	Number of Key Presses												
	1	2	3	4	5	6	7	8	9	10	11	12	13
1	**1**	**@**	**[**	****	**]**	**^**	**_**	**`**	**{**	**|**	**}**	**→**	**←**
2	**A**	**B**	**C**	**a**	**b**	**c**	**2**						
3	**D**	**E**	**F**	**d**	**e**	**f**	**3**						
4	**G**	**H**	**I**	**g**	**h**	**i**	**4**						
5	**J**	**K**	**L**	**j**	**k**	**l**	**5**						
6	**M**	**N**	**O**	**m**	**n**	**o**	**6**						
7	**P**	**Q**	**R**	**S**	**p**	**q**	**r**	**s**	**7**				
8	**T**	**U**	**V**	**t**	**u**	**v**	**8**						
9	**W**	**X**	**Y**	**Z**	**w**	**x**	**y**	**z**	**9**				
0	**0**	**!**	**"**	**#**	**$**	**%**	**&**	**'**	**(**	**)**			
*	*****	**+**	**,**	**-**	**.**	**/**	**:**	**;**	**<**	**=**	**>**	**?**	
#	**Not Used**												
LND	Move the cursor to the left												
OPAC	Move the cursor to the right												
CONF	Clear the character entry to the left, one character at a time (Backspace Key)												
CLEAR	Clear all the entries from the point of the flashing cursor and to the right.												

Input Data

Prog. No.	Item	Input Data	Default	Description	Related Program
31-01-01	All Call Paging Zone Name	Up to 8 Characters	"GRP ALL"	Assign a name to each All Call Internal Paging zone. The system shows the names you program on the telephone displays.	11-12-19 31-02-02
31-01-02	Page Announcement Duration	0-64800(Sec.)	1200	This timer sets the maximum length of Page announcements.	
31-01-03	-Not Used-	-	-	-	-
31-01-04	Privacy release Time	0-64800(Sec.)	90	Once the user initiates a Meet Me Conference or Voice Call Conference, the system waits this interval for the Paged party to join the call.	

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-01: SYSTEM OPTIONS FOR INTERNAL/EXTERNAL PAGING

Conditions

None

Feature Cross Reference

♦ Paging, External
♦ Paging, Internal

Telephone Programming Instructions

To enter data for Program 31-01(System Options for Internal/External Paging):
1. Enter the programming mode.
2. Enter 31 01

31-01-01
Name-Group all

3. Enter the number of the item you want to program.

31-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-02: INTERNAL PAGING GROUP ASSIGNMENT

Description

Use **Program 31-02 : Internal Paging Group Assignment** to assign extensions to Internal Paging Groups (i.e., Page Zones). The setting in this program also determines if the Internal Page Group can receive Internal All Call Paging. The system can have up to 32 paging groups. An extension can be in only one Internal Paging Group.

Input Data

Prog. No.	Extension Number	Item	Input Data	Default
31-02-01	Max. 4 digits	**Internal Paging Group Number** Assign extensions to Internal Paging Groups (i.e., Page Zones). The system allows up to 32 Internal Paging Groups. An extension can be in only one Internal Paging Group.	0-32(0 : no setting)	1
31-02-02		**Internal All Call Paging Receiving** Allow or prevent All Call Internal Paging for each extension. If allowed, extension can place and receive All Call Internal Paging announcements. If prevented, extension can only make (not receive) All Call Internal Paging announcements.	0 : Off 1 : On	1

Conditions

None

Feature Cross Reference

♦   Paging, Internal

Telephone Programming Instructions

To enter data for Program 31-02 (Internal Paging Group Assignment):
1. Enter the programming mode.
2. Enter 31 02

```
31-02-01 TEL200
INT PG GP No 0
```

3. Enter the number of the item you want to program.

```
31-02-xx TELxxxx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Select the Extension number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING
31-03: INTERNAL PAGING GROUP SETTINGS

Description

Use **Program 31-03 : Internal Paging Group Settings** to assign names to Internal Paging Groups (i.e., Page Zones) and to define the splash tone for Internal Paging.

The system shows the names you program on the telephone displays. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press key "2" three times. Press the key six times display the lower case letter.

Key	Number of Key Presses												
	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1	@	[	\	]	^	_	`	{	|	}	→	←
2	A	B	C	a	b	c	2						
3	D	E	F	d	e	f	3						
4	G	H	I	g	h	i	4						
5	J	K	L	j	k	l	5						
6	M	N	O	m	n	o	6						
7	P	Q	R	S	p	q	r	s	7				
8	T	U	V	t	u	v	8						
9	W	X	Y	Z	w	x	y	z	9				
0	0	!	"	#	$	%	&	'	(	)			
*	*	+	,	-	.	/	:	;	<	=	>	?	
#	-Not Used -												
LND	Move the cursor to the left												
OPAC	Move the cursor to the right												
CONF	Clear the character entry to the left, one character at a time (Backspace Key)												
CLEAR	Clear all the entries from the point of the flashing cursor and to the right.												

Input Data

Internal Paging Group Number	1-32

Prog. No.	Item	Input Data	Default	Description
31-03-01	Internal Paging Group Name	Up to 12 Characters	see "Default"	Assign names to Internal Paging Groups (i.e., Page Zones). The system shows the names you program on the telephone displays.
31-03-02	Internal Paging Splash Tone	0 : Ordinary Volume 1 : Mute 2 : No tone	0	Allow an extension to have normal (0), muted (1) or no (2) Internal Paging alert beeps before a Paging announcement.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-03: INTERNAL PAGING GROUP SETTINGS

Default

Program Number	Internal Paging Group	Name
31-03-01 Internal Paging Group Name	1	Group 1
	2	Group 2
	:	:
	32	Group 32

Conditions

None

Feature Cross Reference

♦   Paging, Internal

Telephone Programming Instructions

To enter data for Program 31-03 (Internal Paging Group Settings):
1. Enter the programming mode.
2. Enter 31 03

```
31-03-01Paging1
Name-Group  1
```

3. Enter the number of the item you want to program.

```
31-03-xxPagingxx
xxxxx
```

4. Select the Internal Paging Group number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-04: EXTERNAL PAGING ZONES

Description

Use **Program 31-04 : External Paging Zone Group** to assign each External Paging Speaker to an External Paging Zone. Users call the External Paging zone when broadcasting announcements to the external zone. When programming, the zones on the PGDU are numbers 1-6, while the built-in speaker out is number 7.

Input Data

External Speaker Number	External Paging Zone No.	Default
1-7	0-6 (0 : No setting)	Speaker 1 (2PGDU-1) : 2 (Zone 2) Speaker 2 (2PGDU-1) : 3 (Zone 3) Speaker 7 (in built) : 1 (Zone 1)

Conditions

Only External Speaker Numbers 1, 2 and 7 may be used.

Feature Cross Reference

♦   Paging, External

Telephone Programming Instructions

To enter data for Program 31-04 (External Paging Zone Group):
1. Enter the programming mode.
2. Enter 31 04

```
31-04-01  SPK 1
Paging Zone GP 1
```

3. Enter the number of the item you want to program.

```
31-04-xx  SPK x
xxxxx
```

4. Select the External Speaker number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-05: UNIVERSAL NIGHT ANSWER OVER EXTERNAL SPEAKER

Description

Use **Program 31-05 : Universal Night Answer over External Speaker** to assign Universal Night Answer ringing to each External Paging zone. For each trunk port (1-51), you make a separate entry for each External Paging zone (1-6). When programming, the zones on the PGDU are numbers 1-6.
For Incoming Ring Tone Audible on External Speaker, you make a separate entry for each Night Service mode.

Input Data

Trunk Port No.	External Speaker No.	Day/Night Mode	Input Data	Default
1-51	1-7	1-8	0 : No Ringing 1 : Ringing	0

Conditions

Speakers 1 ~ 6 apply to 2 PGDU card.
Speaker 7 is the in-built part on 308M.

Feature Cross Reference

♦ Paging, External
♦ Night Service

Telephone Programming Instructions

To enter data for Program 31-05 (Universal Night Answer):
1. Enter the programming mode.
2. Enter 31 05

```
31-05-01 Trunk1
Spkr1 Mode1  = 0
```

3. Enter the number of the item you want to program.

```
31-05-xx
xxxxx
```

4. Select the Trunk number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-06: EXTERNAL SPEAKER CONTROL

Description

Use **Program 31-06 : External Speaker Control** to define the settings for the external speaker using an amplifier.

Input Data

Prog. No.	External Speaker No.	Item	Input Data	Default
31-06-01		**Broadcast Splash Tone Before Paging** Use this option to enabled or disable splash tone before Paging over an external zone. If enabled, the system broadcasts a splash tone before the External Paging announcement.	0 : No tone 1 : Splash tone 2 : Chime tone	2
31-06-02	1-7	**Broadcast Splash Tone After Paging** Use this option to enabled or disable splash tone after Paging over an external zone. If enabled, the system broadcasts a splash tone at the end of an External Paging announcement.	0 : No tone 1 : Splash tone 2 : Chime tone	2
31-06-03		**Speech Path（2PGDU—Speaker）**	0 : Both way 1 : One way	1
31-06-04		**CODEC Transmit Gain Setup**	1-63(-15.5……...+15.5)	32 (0dB)
31-06-05		**CODEC Receive Gain Setup**	1-63(-15.5……...+15.5)	32 (0dB)

Conditions

Speakers 1 ~ 6 apply to 2 PGDU card.
Speaker 7 is the in-built part on 308M.

Feature Cross Reference

♦ Paging, External

Telephone Programming Instructions

To enter data for Program 31-06 (External Speaker Control):
1. Enter the programming mode.
2. Enter 31 06

31-06-01 SPK 1
PG Start Tone 2

3. Enter the number of the item you want to program.

31-06-xx
xxxxx

4. Select the External Speaker number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING
31-07: COMBINED PAGING ASSIGNMENTS

Description

Use **Program 31-07 : Combined Paging Assignments** to assign an External Paging Zone (0-6) to an Internal Paging Zone (0-6) for Combined Paging. When an extension user makes a Combined Page, they simultaneously broadcast into both the External and Internal Zone.

Input Data

External Paging Group Number	Internal Paging Group Number	Default
0-6 (0 : All External Paging)	0-8 (0 : All Internal Paging)	1

Conditions

None

Feature Cross Reference

♦   Paging, External
♦   Paging Internal

Telephone Programming Instructions

To enter data for Program 31-07 (Combined Paging Assignments):
1. Enter the programming mode.
2. Enter 31 07

> **31-07-01 PG Grp0**
> **Intn PAG Grp No1**

3. Enter the number of the item you want to program.

> **31-07-xx PG Grpx**
> **xxxxx**

4. Select the External Paging Group number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 31: EXTERNAL SPEAKER AND INTERNAL PAGING

31-08: BGM ON EXTERNAL PAGING

Description

Use **Program 31-08 : BGM on External Paging** to set the Background Music option for each External Paging zone. If enabled, the system will play Background Music over the zone when it is idle. When programming, the zones on the PGDU Units are numbers 1-6.

Input Data

External Speaker Number	Input Data	Description	Default
1-7	0 : Disable (BGM Prevented) 1 : Enable (BGM allowed)	Use this option to allow or prevent the External Paging zone you select from broadcasting Background Music when it is idle.	0

Conditions

Speakers 1 ~ 6 apply to 2PGDU card.
Speaker 7 is the in-built port on 308M

Feature Cross Reference

♦   Background Music
♦   Paging External

Telephone Programming Instructions

To enter data for Program 31-08 (BGM on External Paging):
1. Enter the programming mode.
2. Enter 31 08

31-08-01 SPK 1
BGM   0

3. Enter the number of the item you want to program.

31-08-xx SPK x
xxxxx

4. Select the External Speaker number to be Programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 32: DOORBOX SETUP

32-01: DOORBOX TIMERS

Description

Use **Program 32-01 : Doorbox Timers** to assign the timers used for the Doorbox.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
32-01-01	**Doorbox Answer Time** A keyset user must answer Doorbox chimes within this interval.	0-64800(sec.)	30	
32-01-02	**Door Lock Cancel Time** When a single line telephone user hook flashes or a keyset user presses the FLASH key while talking to a Doorbox, the strike stays open for this interval.	0-64800(sec.)	10	
32-01-03	**Off-Premise Call Forward by Doorbox Disconnect Timer** Define the conversation period for an Off-Premise Call Forward by Doorbox call. When this timer expires, the caller will hear busy tone for 3 seconds (fixed timer) and the call will then be disconnected.	0-64800(sec.)	60	

Conditions

None

Feature Cross Reference

♦   Doorbox

Telephone Programming Instructions

To enter data for Program 32-01(Doorbox Timers):
1. Enter the programming mode.
2. Enter 32 01

32-01-01
Answer TM 30

3. Enter the number of the item you want to program.

32-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 32: DOORBOX SETUP

32-02: DOORBOX RING ASSIGNMENT

Description

Use **Program 32-02 : Doorbox Ring Assignments** to assign the extension which will ring when a caller presses the associated Doorbox's call button.

Input Data

Doorbox Number	1-6

Day/Night Mode	Doorbox Group Number	Extension Number	Default	Related Program
1-8	01-32	Max. 4 digits	No setting	

Conditions

None

Feature Cross Reference

♦ Doorbox

Telephone Programming Instructions

To enter data for Program 32-02 (Doorbox Ring Assignment):
1. Enter the programming mode.
2. Enter 32 02

> **32-02-01 DOOR 1**
> **Mode1=01 TEL**

3. Enter the number of the item you want to program.

> **32-02-xx DOOR x**
> **Modex=xxTELxxxx**

4. Select the Doorbox Number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 32: DOORBOX SETUP

32-03: DOORBOX BASIC SETUP

Description

Use **Program 32-03 : Doorbox Basic Setup** to select the chime pattern and gain level for each Doorbox. There are six distinctive chime patterns. The chime tones are defined in Program 80-01.

Input Data

Doorbox Number	1-6

Prog. No.	Item	Input Data	Default	Related Program
32-03-01	Chime Pattern	0 : No ringing tone 1 : Doorbox ring 1 2 : Doorbox ring 2	Doorbox 1 : 1 Doorbox 2 : 2	80-01
32-03-02	**CODEC Transmit Gain Setup** (2PGDU to Doorbox)	1-63 : (-15.5…..+15.5dB)	32	
32-03-03	**CODEC Receive Gain Setup** (Doorbox to 2PGDU)	1-63 : (-15.5…..+15.5dB)	32	

Conditions

Only Doorphone Numbers 1 and 2 may be used.

Feature Cross Reference

♦ Doorbox

Telephone Programming Instructions

To enter data for Program 32-03 (Doorbox Basic Setup):
1. Enter the programming mode.
2. Enter 32 03

```
32-03-01 DOOR 1
Chime Pattern  1
```

3. Enter the number of the item you want to program.

```
32-03-xx DOOR x
xxxxx
```

4. Select the Doorbox Number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section

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PROGRAM 33: ANALOGUE INTERFACE SETUP

33-01: ANALOGUE INTERFACE PORT TYPE SETUP

Description

Use **Program 33-01 : Analogue Interface Port Type Setup** to set the function of each software port on an Analogue Communications Interface.
Each Analogue Interface Port can have only one function (input, output or none).

Input Data

Analogue Interface Port Number	Analogue Interface Port Type	Default	Related Program
1-6	0 : No setting 1 : Input 2 : Input/Output 3 : BGM Input 4 : EXMOH Input	0	

Conditions

None

Feature Cross Reference

♦ Analogue Interface Port

Telephone Programming Instructions

To enter data for Program 33-01 (Analogue Interface Port Type Setup):
1. Enter the programming mode.
2. Enter 33 01

```
33-01-01ACIPort1
ACI Type      0
```

3. Enter the number of the item you want to program.

```
33-01-xx ACIPortx
xxxxx
```

4. Select the Analogue Interface port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 33: ANALOGUE INTERFACE SETUP

33-02: ANALOGUE INTERFACE GROUP ASSIGNMENTS

Description

Use **Program 33-02 : Analogue Interface Group Assignment** to assign Analogue Interface Ports (1-6) to Department Groups. There are 4 ACI Department Groups. An ACI port can only be in one group.
Also use this program to set the ACI port's priority. When a call comes into the ACI Department Group, it connects to the ACI port in order of their priority. A higher priority port (e.g., 1) receives calls before a lower priority port (e.g., 6).

Input Data

Analogue Interface Port Number	Group Number	Priority	Default
1-6	1-4	1-6	See "Default"

Analogue Interface Port	Group Number	Priority Order
1	1	1
2	1	2
:	:	:
6	1	6

Conditions

None

Feature Cross Reference

♦ Analogue Interface Port

Telephone Programming Instructions

To enter data for Program 33-02 (Analogue Interface Group Assignment):
1. Enter the programming mode.
2. Enter 33 02

```
33-02-01ACIPort1
ACI Group No  1
```

3. Enter the number of the item you want to program.

```
33-02-xx ACIPortx
xxxxx
```

4. Select the Analogue Interface port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-01: SMDR OPTIONS

Description

Use **Program 35-01 : SMDR Options** to set the SMDR (Station Message Detail Recording) options for the SMDR port. Refer to the following chart for a description of each option, its range and default setting.

Input Data

SMDR Port Number	1,2

Prog. No.	Item	Input Data	Default	Related Program
35-01-01	**Output Port Type** This option specifies the type of con-nection used for SMDR. The baud rate for the COM port should be set in Program 10-21-02.	0 : No Setting 1 : COM Port 　　　(EXIFU) 3 : LAN port 　　　(EXIFU)	0	
35-01-02	-Not Used-	-	-	
35-01-03	**Header Language** Specify the language in which the SMDR header should be printed.	0 : English 4 : Spanish	0	
35-01-04	**Omit Digits** The number of digits entered in this option do not print on the SMDR re-port. For example, if the entry is 10, the first 10 digits a user dials do not appear on the SMDR report.	0-36 (0 : Not applied)	1	
35-01-05	**Min. Digits** Outgoing calls must be at least this number of digits for inclusion in the SMDR report.	0-36 (0 : Not applied)	0	
35-01-06	**Min. Call Duration** The duration of a call must be at least this interval to be included on the SMDR report.	0-65535 (0 : All)	0	
35-01-07	**Min. Ring Time** A call must ring for at least this inter-val to be included on the SMDR report.	0-65535 (0 : All)	0	

Conditions

None

Feature Cross Reference

♦　Station Message Detail Recording (SMDR)

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-01: SMDR OPTIONS

Telephone Programming Instructions

To enter data for Program 35-01 (SMDR Options):

1. Enter the programming mode.

2. Enter 35 01

35-01-01 SMDR-P1
Output Type   0

3. Enter the number of the item you want to program.

35-01-xx SMDR-Px
xxxxx

4. Select the SMDR port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.

5. Enter data for the item you selected + HOLD.

6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-02: SMDR OUTPUT OPTIONS

Description

Use **Program 35-02 : SMDR Options** to set the SMDR (Station Message Detail Recording) options for the SMDR port. Refer to the following chart for a description of each option, its range and default setting.

Input Data

SMDR Port Number	1,2

Prog. No.	Item	Input Data	Default	Related Program
35-02-01	**Toll Restricted Call** SMDR can include or exclude calls blocked by Toll Restriction.	0 : Not Output 1 : Output	1	
35-02-02	**PBX Calls** When the system is behind a PBX, SMDR can include all calls or just calls dialled using the PBX trunk access code.	0 : Not Output 1 : Output	1	
35-02-03	**Trunk Number or Name** Select whether the system should display the trunk name (0) or the number (1) on SMDR reports. *If this option is set to "1", Program 35-02-14 must be set to "0"*	0 : Name 1 : Number	1	
35-02-04	**Summary (Daily)** Set this option to (1) to have the SMDR report provide a daily summary (at midnight every night).	0 : Not Output 1 : Output	1	
35-02-05	**Summary (Weekly)** Set this option to (1) to have the SMDR report provide a weekly summary (every Saturday at midnight).	0 : Not Output 1 : Output	1	
35-02-06	**Summary (Monthly)** Set this option to (1) to have the SMDR report provide a monthly summary (at midnight on the last day of the month).	0 : Not Output 1 : Output	1	
35-02-07	**Toll Charge Cost** Set this option to (1) have the SMDR report include toll charges.	0 : Not Output 1 : Output	1	
35-02-08	**Incoming Call** Enable this option (1) to have the SMDR report include incoming calls. If you disable this option (0), incoming calls will not print.	0 : Not Output 1 : Output	1	
35-02-09	**Extension Number or Name** Set this option (1) to have the SMDR report include extension numbers. Set this option (0) to have the SMDR report include extension names.	0 : Name 1 : Number	0	

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-02: SMDR OUTPUT OPTIONS

Input Data (Cont)

Prog. No.	Item	Input Data	Default	Related Program
35-02-10	**All Busy (ALB) Output**	0 : Not Output 1 : Output	0	
35-02-11	**Walking Toll Restriction Table Number**	0 : Not Output 1 : Output	1	
35-02-12	**DID Table Name Output**	0 : Not Output 1 : Output	0	
35-02-13	**CLI Output When DID to Trunk**	0 : Not Output 1 : Output	0	
35-02-14	**Date** Determine whether the date should be displayed on SMDR reports. ***This option must be set to "0" if the trunk name is set to be displayed in Program 35-02-03.***	0 : Not Output 1 : Output	0	
35-02-15	**CLI / DID Number Switching**	0 : Calling Party No. 1 : Called Party No.	0	
35-02-16	**Trunk Name or Received Dialled Number (ISDN Only)** Determine how the SMDR should print incoming calls on ANI/DNIS or DID trunks. If set to (1), ANI/DNIS trunks can print DNIS digits. If set to (0) trunk names are printed instead	0 : Trunk port Name 1 : Received Dial Number	0	0 = 14-01-01 1 = 22-11-01

-SMDR Printout Format-

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                          XX/XX/XX  PAGE XXX
  CLASS  TIME    LINE    DURATION  STATION   DIALLED No./CLI  RD/COST  ACCOUNT
aa bbbb  cc:cc dddddddddd ee:ee:ee ffffffffff gggggggggggggggg hhhhhhh iiiiiiii
```

*Column 1(aa) : Call Number
  Indicate the number. Up to 55 calls are printout per a page.
*Column 2(bbbb) : Class of Call
  Indicate the type of call as below;

Item	Description	Item	Description
AIN	Incoming Call on Analogue Trunk	POT	Outgoing Call on Tie Line
AOT	Outgoing Call on Analogue Trunk	TOT	Outgoing Call by Tandem trunk
IIN	Incoming Call on ISDN Trunk	ALB	All Trunk Busy
IOT	Outgoing Call on ISDN Trunk	BRD	Barred Outgoing Call
PIN	Incoming Call on Tie Line	BFL	Buffer Full

*Column 3(cc:cc) : Time
  Indicate a time(24 hours format) of incoming/outgoing/transferred call.
*Column 4(dd…) : Trunk Number/Name
  Indicate a Trunk Number or Name.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-02: SMDR OUTPUT OPTIONS

*Column 5(ee:ee:ee) : Call Duration Time
  Indicate a call duration time of call.
*Column 6(ff….) : Extension name
  Indicate a Extension Name.
*Column 7(gg….) : Dialled data or received Caller-ID Data
  Indicate the dialled data of outgoing call. And also, indicate the received Caller-ID data.
*Column 8(hh….) : Ring Duration or Cost
  Indicate a ringing duration time at the extension for incoming call. And also, indicate the calling cost data
        for outgoing call. However the calling cost data is not exactly same value as the PTT's
        calculation cost.
    <Note> Calling cost data will be provided from Line Provider by using Metering Pulse or "Advice of
        Charge" of ISDN. For these services availability, ask your country's Line Provider.

*Column 9(ii….) : Account Code or Password index No. of Walking Toll Restriction
    Indicate a Account Code or Password index No. if Walking Toll Restriction is used.

-Summary Data Printout Format-
  For Example) Daily Summary

```
OUTGOING CALL/COST SUMMARY
FOR DAY OF DD/MM/YY


   TOTAL NO. OF OUTGOING PSTN CALLS:
   TOTAL NO. OF OUTGOING ISDN CALLS:
   NO. OF OUTGOING PSTN CALLS COSTED:XXXXX COST:XXXXXX.XX
   NO. OF OUTGOING PSTN CALLS COSTED:XXXXX COST:XXXXXX.XX
```

Conditions

None

Feature Cross Reference

Station Message Detail Recording (SMDR)

Telephone Programming Instructions

To enter data for Program 35-02 (SMDR Output Options):
1. Enter the programming mode.
2. Enter 35 02

35-02-01 SMDR-P1
T/R Call   1

3. Enter the number of the item you want to program.

35-02-xx SMDR-Px
xxxxx

4. Select the SMDR port number to be programmed by pressing the FLASH or the VOLUME▲ or
   VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-03: SMDR PORT ASSIGNMENT FOR TRUNK GROUPS

Description

Use **Program 35-03 : SMDR Port Assignment for Trunk Group** to assign the SMDR port for each trunk group.

Input Data

Trunk Group No.	SMDR Port No.	Default	Related Program
1-25	1,2	1	

Conditions

None

Feature Cross Reference

♦ Station Message Detail Recording (SMDR)
♦ Trunk Group Routing

Telephone Programming Instructions

To enter data for Program 35-03 (SMDR Port Assignment for Trunk Group):
1. Enter the programming mode.
2. Enter 35 03

```
35-03-01TrkGrp1
SMDR Port    1
```

3. Enter the number of the item you want to program.

```
35-03-xxTrkGrpxx
xxxxx
```

4. Select the Trunk Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-04: SMDR PORT ASSIGNMENT FOR DEPARTMENT GROUPS

Description

Use **Program 35-04 : SMDR Port Assignment for Department Groups** to assign the SMDR port for each Department Group.

Input Data

Department Group No.	SMDR Port No.	Default	Related Program
1-32	1,2	1	

Conditions

None

Feature Cross Reference

♦   Station Message Detail Recording (SMDR)

Telephone Programming Instructions

To enter data for Program 35-04 (SMDR Port Assignment for Department Groups):
1. Enter the programming mode.
2. Enter 35 04

```
35-04-01 Ex.Gr1
SMDR Port    1
```

3. Enter the number of the item you want to program.

```
35-04-xx Ex.Grxx
xxxxx
```

4. Select the Extension Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-05: ACCOUNT CODE SETUP

Description

Use **Program 35-05 : Account Code Setup** to set various Account Code options for an extension's Class of Service. Assign a Class of Service to extensions in Program 20-06.

Input Data

Class of Service Number	1-15

Prog. No.	Item	Input Data	Default	Related Program
35-05-01	**Account Code Mode** Use this option to select the Account Code Mode (0-3).	0 : Account Codes disable 1 : Account Codes optional 2 : Account Codes required but not verified. 3 : Account Codes required and verified.	0	
35-05-02	-Not Used-	-	-	
35-05-03	**Account Codes for Incoming Calls** Use this option to allow users to enter Account Codes for incoming calls. If disabled, any codes entered dial out on the connected trunk.	0 : Account Codes for Incoming calls disabled. 1 : Account Codes for Incoming calls enabled.	0	
35-05-04	**Hiding Account Codes** Use this option to either hide or show the Account codes on a telephone's display.	0 : Account Codes displayed 1 : Account Codes hidden（"＊" is displayed）	0	

Conditions

None

Feature Cross Reference

♦   Account Codes

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP

35-05: ACCOUNT CODE SETUP

Telephone Programming Instructions

To enter data for Program 35-05 (Account code Setup):

1. Enter the programming mode.
2. Enter 35 05

35-05-01 F-Cls1
Account Code   0

3. Enter the number of the item you want to program.

35-05-xx F-Clsxx
xxxxx

4. Select the Class of Service number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 35: SMDR AND ACCOUNT CODE SETUP
35-06: VERIFIED ACCOUNT CODE TABLE

Description

Use **Program 35-06 : Verified Account Code Table** to enter Account Codes into the Verified Account Code list. You can enter up to 2000 codes from 3-16 digits long, using the characters 0-9 or #. Use the FLASH key to enter a wildcard. For example, the entry FLASH234 means the user can enter 0234-9234.

Input Data

Verified Account Code Table No.	Verified Account Code	Default	Related Program
1-2000	0-9,#,@ (@ : Wild Card) (Up to 16 digits)	No setting	

Conditions

None

Feature Cross Reference

♦ Account Code

Telephone Programming Instructions

To enter data for Program 35-06 (Verified Account Code Table):
1. Enter the programming mode.
2. Enter 35 06

35-06-01 TBL1
Acct CD

3. Enter the number of the item you want to program.

35-06-xx TBLxxxx
xxxxx

4. Select the Verified Account Code Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 40-01 : Voice Mail Basic Setup** to define the basic operation of Voice Mail (DSPDB).

Input Data

Prog. No.	Item	Input Data	Default	Related Program
40-01-01	**Exclusive Channel for Voice Mail** Specify the number of channels of DSPDB which voice mail occupies.	0-8	0	
40-01-02	**Time Stamp**	0 : Disable 1 : Enable	1	
40-01-03	**Conversation Recording Mode for After Transfer** Use this program to set up whether after Hold Transfer continues recording, when recording conversation.	0 : Not Continued 1 : Continued	0	
40-01-04	**Automated Attendant (Voice Mail) for No Existing Extension**	0 : Disable 1 : Enable	0	
40-01-05	**Erase Message Time** Specify time to Erase Messages for DSPDB record media.	0000-2359 (0000 = No setting) (40-01-06 will not be followed)	0000	40-01-06
40-01-06	**Automatically Erase Message** Erases All messages—New and Old	0-180(day)	0	40-01-05

Conditions

None

Feature Cross Reference

♦ Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-01 (Voice Mail Basic Setup):
1. Enter the programming mode.
2. Enter 40 01

40-01-01
VM Channel   0

3. Enter the number of the item you want to program.

40-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

There are a maximum of 300 mailboxes in the DSPDB. Use this program to set the box number and password linked to the extension number (or pilot number) for each mailbox.

Input Data

DSPDB Message Box Number	001-300

Prog. No.	Item	Input Data	Default	Related Program
40-02-01	**Mailbox Number** A mailbox number should use the same number of an extension.	Up to 4 digits	Mailbox 1 =200 Mailbox 2 = 201 Mailbox 3= 202 Mailbox 4 = 203 Mailbox 5 = 204 Mailbox 6 = 205 Mailbox 7 = 206 Mailbox 8 = 207	
40-02-02	**Mailbox Password** If not required, leave this option empty.	Dial 4 digits Fixed	No setting	

Conditions

None

Feature Cross Reference

♦   Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-02 (SMDR Output Options):
1. Enter the programming mode.
2. Enter 40 02

40-02-01MgBox1
Mail box No.

3. Enter the number of the item you want to program.

40-02-xxMgBoxxxxx
xxxxx

4. Select the Message Box number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 40: VOICE MAIL SETUP

40-03: MESSAGE RECORDING SETUP

Description

Use **Program 40-03 : Message Recording Setup** to define the auto-answering operation of the Voice Mail (DSPDB).

Input Data

Prog. No.	Item	Input Data	Default	Related Program
40-03-01	Voice Mail Recording Time	1-10 (minute)	1	
40-03-02	A Guidance message in case recording is not allowed	0 : Fixed Guidance Message 1 : Answer Message of Mail-box	0	
40-03-03	A response message is automatically sent out when busy	0 : Disable 1 : Enable	0	

Conditions

None

Feature Cross Reference

♦   Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-03 (Message Recording Setup):
1. Enter the programming mode.
2. Enter 40 03

40-03-01
VM RecordingTM1

3. Enter the number of the item you want to program.

40-03-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 40-04 : Live Recording Setup** to define the conversation recording operation of the Voice Mail (DSPDB).

Input Data

Prog. No.	Item	Input Data	Default	Related Program
40-04-01	The Operation mode when destination is not defined.	0 : Temporary Mailbox 1 : Callback Operation	0	
40-04-02	**Temporary Mailbox Number** Setup the temporary mailbox number.	0-300	0	
40-04-03	**Live Recording Display** Enables or disables the system's ability to display the recording feature active.	0 : Enable 1 : Disable	0	

Conditions

None

Feature Cross Reference

♦ Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-04 (Live Recording Setup):
1. Enter the programming mode.
2. Enter 40 04

```
40-04-01
Operation Mode 0
```

3. Enter the number of the item you want to program.

```
40-04-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 40: VOICE MAIL SETUP

40-05: MESSAGE NOTIFICATION SETUP

Description

Use **Program 40-05 : Call Information Setup** to define the message notification facility of the Voice Mail (DSPDBU).

Input Data

Prog. No.	Item	Input Data	Default	Related Program
40-05-01	Maximum number of outgoing call simultaneously	0-8	1	
40-05-02	Trunk Route Number	0-25	1	
40-05-03	ISDN Calling Party Number	0-9,*,# (Max.16 digits)	No setting	
40-05-04	Call interval for intercom call	1-30 minutes	10	
40-05-05	Call interval for external call	1-30 minutes	10	
40-05-06	Maximum number of intercom call	1-100	3	
40-05-07	Maximum number of external call	1-100	3	

Conditions

None

Feature Cross Reference

♦ Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-05 (Call Information Setup):
1. Enter the programming mode.
2. Enter 40 05

40-05-01
SimultaneousMax1

3. Enter the number of the item you want to program.

40-05-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 40: VOICE MAIL SETUP

40-06: VOICE MAIL AUTOMATED ATTENDANT SETUP

Description

Use **Program 40-06 : Voice Mail Automated Attendant Data Setup** to define the outside lines to use the automated attendant recording operation of the Voice Mail (DSPDB).

Input Data

Trunk Port Number	1-51

Day/Night Mode	1-8

Prog. No.	Item	Input Data	Default	Related Program
40-06-01	Operation Mode	0 : Automated Attendant 1 : Not Used	0	
40-06-02	Guidance Message Number	0-48	0	
40-06-03	Message Box Number for Leaving a Message	0-300	0	

Conditions

None

Feature Cross Reference

♦   Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-06 (**Voice Mail Automated Attendant Data Setup**):
1. Enter the programming mode.
2. Enter 40 06

> **40-06-01 Trunk1**
> **Mode1 OPE-Mode 0**

3. Enter the number of the item you want to program.

> **40-06-xx Trunkxx**
> **xxxxx**

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 40: VOICE MAIL SETUP

40-09: VOICE MAIL MULTIPLE ADDRESS GROUP SETUP

Description

Use **Program 40-09 : Voice Mail Multiple Address Group Setup** to define the broadcast group of a Voice Mail (DSPDB) mailbox.

Input Data

Multiple Address Group Number	Destination Box Number	Box Number	Default	Related Program
1-10	1-100	Dial (Up to 4 digits)	No setting	40-02

Conditions

None

Feature Cross Reference

♦   Voice Mail (DSPDB)

Telephone Programming Instructions

To enter data for Program 40-09 (Voice Mail Multiple Address Group Setup):

1. Enter the programming mode.
2. Enter 40 09

40-09-01Mlt GP1
Dest001 BoxNo

3. Enter the number of the item you want to program.

40-09-xx Mlt GPxx
xxxxx

4. Select the Multiple Address Group number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 40: VOICE MAIL SETUP

40-10: VOICE RECORDING SERVICE OPTION

Description

Use **Program 40-10 : Voice Recording Service Option** define the system options for the Voice Recording feature.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
40-10-01	**VRS Fixed Message** Enable (1) or disable (0) the system's ability to play the fixed VRS messages (such as "You have a message.").	0 : Not Used 1 : Used	1	
40-10-02	**General Message Number** This item assigns the VRS message number to be used as the General Message.	0-48 (0 : No General message)	0	
40-10-03	**VRS No Answer Destination** This item assigns the transferred Ring Group when the VRS is unanswered after Call Forwarding with Personal Greeting Message.	0-25 (Incoming Ring Group No.)	0 (No Setting)	
40-10-04	**VRS No Answer Time** If an extension has Personal Greeting enabled and all VRS ports are busy, a DIL or DISA call to the extension will wait this interval for a VRS port to become free.	0-64800(sec.)	0	
40-10-05	**Park and Page Repeat Timer** If a Park and Page is not picked up within this interval, the Paging announcement repeats.	0-64800(sec.)	0	

Conditions

None

Feature Cross Reference

♦ Voice Response System (VRS)

Telephone Programming Instructions

To enter data for Program 40-10 (Voice Announce Service Option):
1. Enter the programming mode.
2. Enter 40 10

> **40-10-01**
> **VRS Fixed Msg 1**

3. Enter the number of the item you want to program.

> **40-10-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 40: VOICE MAIL SETUP

40-11: PRE-AMBLE MESSAGE ASSIGNMENT

Description

In **Program 40-11 : Pre-Amble Message Assignment** to assign the VRS message number to be used as the Pre-amble Message for each trunk. When the extension user answers the incoming call, the assigned VRS message will be sent to the outside caller.

Input Data

Trunk Port Number	Day/Night Mode	VRS Message Number	Default	Related Program
1-51	1-8	0-48(0 : No Service)	0	

Conditions

None

Feature Cross Reference

♦   Voice Response System (VRS)

Telephone Programming Instructions

To enter data for Program 40-11 (Pre-Amble Message Assignment):
1. Enter the programming mode.
2. Enter 40 11

```
40-11-01 Trunk1
Mode1 Msg No.0
```

3. Enter the number of the item you want to program.

```
40-11-xx Trunkxx
xxxxx
```

4. Select the Trunk port number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-01: SYSTEM OPTIONS FOR ARS/F-ROUTE

Description

Use **Program 44-01 : System Options for ARS/F-Route** to define the system options for the ARS/F-Route feature.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
44-01-01	ARS/F-Route Time Schedule	0 : Not Used 1 : Used	0	

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-01 (System Options for ARS/F-Route):
1. Enter the programming mode.
2. Enter 44 01

```
44-01-01
F-Rout Schedul 0
```

3. Enter the number of the item you want to program.

```
44-01-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 44-02 : Dial Analysis Table for ARS/F-Route Access** to set the Pre-Transaction Table for selecting ARS/F-Route.

• Service Type 1 (Extension number)

The number goes to an extension after deleting the front digit(s).

Additional data

Assign the digit(s) to be deleted on top of the number for extension number usage. There must be at least one digit deleted.

• Service Type 2 (ARS/F-Route select)

The number is controlled by ARS/F-Route table.

Additional data

Assign the ARS/F-Route table number for Program 44-05. (If the ARS/F-Route Time schedule is not used.)

Assign the ARS/F-Route selection number for Program 44-04. (If the ARS/F-Route Time schedule is used.)

• Service Type 3 (Dial Extension Analyze Table select)

The total length of the number exceeds more than 5 digits.

Additional data

Assign the referring Dial Extension Analyze Table number for Program 44-03.

Input Data

Dial Analysis Number	1-120

Prog. No.	Item	Input Data	Default	Related Program
44-02-01	Dial	Up to 4 digits	No setting	
44-02-02	Service Type	0 : No setting 1 : Select Extension Call 2 : Select ARS/F-Route Access 3 : Select "Dial Extension Analyze Table"	0	
44-02-03	Additional Data	**• When Select 1** (Select Extension Call) from 44-02-02 : 0-255 (Delete Digit) (255 : delete all digit)	0	44-01 44-02-02
		• When Select 2 (Select ARS/F-Route Access) from 44-02-02 : **- Not Used F-Route Time Schedule** *[Program 44-01 : 0]* 0-500 (ARS/F-Route table Number) (0 : No setting) <Refer to Program 44-05> **- Used F-Route Time Schedule** *[Program 44-01 : 1]* 0-500 (ARS/F-Route select table Number) (0 : No setting) <Refer to Program 44-04>		
		• When Select 3 (Select "Dial Extension Analyze Table") from 44-02-02 : 0-4 (Dial Extension Analyze Table Number) (0 : No setting) <Refer to Program 44-03>		
44-02-04	Dial Tone Simulation	0 : Off 1 : On	0	

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PROGRAM 44: ARS/F-ROUTE SETUP

44-02: DIAL ANALYSIS TABLE FOR ARS/F-ROUTE

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-02 (Dial Analysis Table for ARS/F-Route Access):

1. Enter the programming mode.
2. Enter 44 02

44-02-01A-TBL1
Dial

3. Enter the number of the item you want to program.

44-02-xx A-TBLxxx
xxxxx

4. Select the Analyze table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-03: DIAL ANALYSE EXTENSION TABLE

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Description

Use **Program 44-03 : Dial Analyze Extension Table** to set the dial extension analyze table.

Input Data

Extension Table Area Number	1-4

Dial Analysis Table Number	1-252

1. Dial Analysis Table Number 1-250:

Prog. No.	Item	Input Data	Default	Related Program
44-03-01	Dial	Up to 36 digits	No setting	
44-03-02	ARS/F-Route Select Table Number	**[Program 44-01 : 0]** 0-500 (ARS/F-Route Table Number) <Program 44-05> **[Program 44-01 : 1]** 0-500 (ARS/F-Route select table Number) <Program 44-04>	0	

2. Dial Analysis Table Number 251:

Prog. No.	Item	Input Data	Default	Related Program
44-03-03	ARS/F-Route Select Table Number	**[Program 44-01 : 0]** 0-500 (ARS/F-Route Table Number) <Program 44-05> **[Program 44-01 : 1]** 0-500 (ARS/F-Route select table Number) <Program 44-04>	0	

3. Dial Analysis Table Number 252:

Prog. No.	Item	Input Data	Default	Related Program
44-03-04	Next Table Area Number	0-4	0	

Conditions

None

Feature Cross Reference

♦   Automatic Route Selection (ARS)/F-Route

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PROGRAM 44: ARS/F-ROUTE SETUP

44-03: DIAL ANALYSE EXTENSION TABLE

Telephone Programming Instructions

To enter data for Program 44-03 (Dial Analyze Extension Table):

1. Enter the programming mode.
2. Enter 44 03

44-03-01Exp-TBL1
001:Dial=

3. Enter the number of the item you want to program.

44-03-xx Exp-TBLx
xxxxx

4. Select the Extension Table Area number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-05: ARS/F-ROUTE TABLE

Description

Use **Program 44-05 : ARS/F-Route Table** to set the ARS/F-Route table. There are 4 kinds of order. If the higher priority trunk groups are busy, the next order group will be used. If a lower priority route is selected, the caller may be notified with a beep tone.

Input Data

ARS/F-Route Table Number	1-500

Priority Number	1-4

Prog. No.	Item	Input Data	Default	Related Program
44-05-01	Trunk Group Number	0 : (0 : No setting) 1-25 : Trunk Group Number 255 : (Extension Call)	0	
44-05-02	Delete Digits	0-255(0 : No setting, 255 : Delete All digits)	0	
44-05-03	Additional Dial Number	0-1000	0	
44-05-04	Beep Tone	0 : Off 1 : On	0	
44-05-05	Gain Table Number for Internal Calls	0-500 (0 : No setting)	0	
44-05-06	Gain Table Number for Tandem Connection	0-500 (0 : No setting)	0	
44-05-07	ARS Class of Service	0-16	0	
44-05-08	Dial Treatment	0-15	0	

Conditions

None

Feature Cross Reference

♦ Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-05 (ARS/F-Route Table):

1. Enter the programming mode.
2. Enter 44 05

```
44-05-01FRout1
1:TRK Grp =  0
```

3. Enter the number of the item you want to program.

```
44-05-xxFRoutxxx
xxxxx
```

4. Select the ARS/F-Route Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-06: ADDITIONAL DIAL TABLE

Description

Use **Program 44-06 : Additional Dial Table** to set the additional dial table to add prior to the dialled ARS/F-Route number.

Input Data

Additional Dial Table Number	Additional Dial	Default	Related Program
1-1000	Up to 36 digits(0-9,*,#,Pause)	No setting	

Conditions

None

Feature Cross Reference

♦ Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-06(Additional Dial Table):
1. Enter the programming mode.
2. Enter 44 06

44-06-01 Add1
Dial

3. Enter the number of the item you want to program.

44-06-xx Addxxxx
xxxxx

4. Select the Additional Dial Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-07: GAIN TABLE FOR F-ROUTE ACCESS

Description

Use **Program 44-07 : Gain Table for ARS/F-Route Access** to set the PAD table. If an extension dials ARS/F-Route number;
• The Extension Dial Gain Table is activated, which is assigned in Program 44-05.
• The Extension Dial Gain Table follows "Outgoing transmit" and "Outgoing receive" settings.
If the incoming call is transferred to another line using ARS/F-Route;
• The Tandem Gain Table is activated, which is assigned in Program 44-05.
• The Tandem Gain Table follows the "Incoming transmit" and "Incoming receive" settings for incoming line, and "Outgoing transmit" and "Outgoing receive" settings for the outgoing line.

Note: For the ARS/F-Route call (in the above case), CODEC gain in Program 14-01-02 and 14-01-03 are not activated

Input Data

Gain Table Number	1-500

Prog. No.	Item	Input Data	Default	Related Program
44-07-01	Incoming Transmit	1-63 (-15.5…..+15.5)	32(0dB)	
44-07-02	Incoming Receive	1-63 (-15.5…..+15.5)	32(0dB)	
44-07-03	Outgoing Transmit	1-63 (-15.5…..+15.5)	32(0dB)	
44-07-04	Outgoing Receive	1-63 (-15.5…..+15.5)	32(0dB)	

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-07(Gain Table for ARS/F-Route Access):
1. Enter the programming mode.
2. Enter 44 07

```
44-07-01 Gain1
INC Transmit 32
```

3. Enter the number of the item you want to program.

```
44-07-xx Gainxx
xxxxx
```

4. Select the Gain Table number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-08: TIME SCHEDULE FOR ARS/F-ROUTE

Description

Use **Program 44-08 : Time Schedule for ARS/F-Route** to define the daily pattern of the ARS/F-Route feature. ARS/F-Route has 10 time patterns. These patterns are used in Program 44-09 and 44-10. The daily pattern consists of 20 time settings.

Input Data

Schedule Pattern Number	01-10

Time Number	Start Time	End Time	Mode
01-20	0000-2359	0000-2359	1-8

Default

All Schedule Pattern : 0:00-0:00, Mode 1

Example 1:   Time Pattern 1

0:00   8:00   18:00   22:00   0:00

Mode3 Midnight	Mode1 Day	Mode2 Night	Mode3 Midnight

To make the above schedule, it is necessary to set the data as follows:

> **Time Setting 01 :   00:00 – 08:00   Mode 3**
> **Time Setting 02 :   08:00 – 18:00   Mode 1**
> **Time Setting 03 :   18:00 – 22:00   Mode 2**
> **Time Setting 04 :   22:00 – 00:00   Mode 3**

Example 2:   Time Pattern 2

0:00   0:00

Mode2 Night

To make the above schedule, it is necessary to set the data as follows:

> **Time Setting 01 :   00:00 – 00:00   Mode 2**

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS)/F-Route

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PROGRAM 44: ARS/F-ROUTE SETUP

44-08: TIME SCHEDULE FOR ARS/F-ROUTE

Telephone Programming Instructions

To enter data for Program 44-08(Time Schedule for ARS/F-Route):

1. Enter the programming mode.
2. Enter 44 08

44-08-01TimPtn1
01:Start   =00:00

3. Enter the number of the item you want to program.

44-08-xxTimPtnxx
xxxxx

4. Select the Schedule Pattern number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-09: WEEKLY SCHEDULE FOR ARS/F-ROUTE

Description

Use **Program 44-09 : Weekly Schedule for ARS/F-Route** to define a weekly schedule for using ARS/F-Route.

Input Data

Day Number	Schedule Pattern Number	Default	Related Program
1 : Sunday			
2 : Monday			
3 : Tuesday			
4 : Wednesday	1-10	Pattern 1	44-08
5 : Thursday			
6 : Friday			
7 : Saturday			

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-09 (Weekly Schedule for ARS/F-Route):
1. Enter the programming mode.
2. Enter 44 09

```
44-09-01
SUN   Pattern=1
```

3. Enter the number of the item you want to program.

```
44-09-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 44: ARS/F-ROUTE SETUP

44-10: HOLIDAY SCHEDULE FOR ARS/F-ROUTE

Description

Use **Program 44-10 : Holiday Schedule for ARS/F-Route** to define a yearly schedule for ARS/F-Route. This schedule is used for setting special days such as national holidays.

Input Data

Date	Schedule Pattern Number	Default	Related Program
0101-1231	0-10 (0 : No setting)	No setting	44-08

Conditions

None

Feature Cross Reference

♦ Automatic Route Selection (ARS)/F-Route

Telephone Programming Instructions

To enter data for Program 44-10 (Holiday Schedule for ARS/F-Route):

1. Enter the programming mode.
2. Enter 44 10

```
44-10-01
Date01/01=PTTN0
```

3. Enter the number of the item you want to program.

```
44-10-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 45: VOICE MAIL INTEGRATION

45-01: VOICE MAIL INTEGRATION OPTIONS

Description

Use **Program 45-01 :Voice Mail Integration Options** to customize certain voice mail integration options.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
45-01-01	**Voice Mail Department Group Number** Assign which Extension (Department) Group number is to be assigned as the voice mail group.	0-32 (0 : No Voice Mail)	0	
45-01-02	**Voice Mail Master Name** Enter the Voice Mail master name.	Up to 8 characters	"V.M."	
45-01-03	**Voice Mail Screening** Enable/disable the system's ability to process the Call Screening commands (1 + extension number) sent from the Voice Mail. You should normally *enable* this option to allow for Voice Mail Call Screening. Disable this option if your system has been modified so that extensions begin with the digit 1 (e.g., 101, 102, etc.). Also see the Flexible System Numbering feature.	0 : Off 1 : On	1	
45-01-04	**Park and Page** Enable/disable the system's ability to process the Voice Mail's Park and Page (*) commands. You should normally *enable* this option.	0 : Off 1 : On	1	
45-01-05	**Message Wait** Enable/disable the system's ability to process the Voice Mail's Message Wait (#) commands. You should normally *enable* this option. If enabled, be sure that the programmed Message Notification strings don't contain the code #9 for trunk access.	0 : Off 1 : On	1	
45-01-06	**Record Alert Tone Interval Time** This timer sets the interval between voice Mail Conversation Record alerts	0-64800 (sec.)	30	
45-01-07	-Not Used-	-	-	
45-01-08	-Not Used-	-	-	
45-01-09	-Not Used-	-	-	

Conditions

None

Feature Cross Reference

♦ Voice Mail (In-skin)

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PROGRAM 45: VOICE MAIL INTEGRATION

45-01: VOICE MAIL INTEGRATION OPTIONS

Telephone Programming Instructions

To enter data for Program 45-01 (Voice mail Integration Options):

1. Enter the programming mode.
2. Enter 45 01

45-01-01
STG No. of VM 0

3. Enter the number of the item you want to program.

45-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
    OR
    Press DC once to enter a new item number.
    OR
Press DC until you've exited that series' programming section.

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PROGRAM 45: VOICE MAIL INTEGRATION

45-02: NSL OPTIONS SETUP

Description

Use **Program 45-02 : NSL Option Setup** to customize the NSL options for Voice Mail integration.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
45-02-01	Send DTMF tone or 6KD Message	0 : Sending DTMF tone to SLT-VM port 1 : Sending 6KD Message to Serial Port	0	
45-02-02	Forced Send Dial Tone	0 : Normal 1 : Forced	0	
45-02-03	Send 5IA Message	0 : Off 1 : On	0	

Conditions

None

Feature Cross Reference

♦ Voice Mail (In-skin)

Telephone Programming Instructions

To enter data for Program 45-02 (NSL Option Setup):

1. Enter the programming mode.
2. Enter 45 02

45-02-01
DTMF/6KD Msg.0

3. Enter the number of the item you want to program.

45-02-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 45: VOICE MAIL INTEGRATION

45-03: NSL TIMER SETUP

Description

Use **Program 45-03 : NSL Timer Setup** to customize the NSL timers for Voice Mail integration.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
45-03-01	Retry Timer	0-64800 (sec.)	4	
45-03-02	Polling Interval	0-64800 (sec.)	20	
45-03-03	ILS (Link Start Message) Interval	0-64800 (sec.)	20	
45-03-04	Wait for ILS Time	0-64800 (sec.)	30	
45-03-05	Wait for 2ET Time	0-64800 (sec.)	60	
45-03-06	Restart LVP Check Interval	0-64800 (sec.)	30	
45-03-07	Wait for ILR Time	0-64800 (sec.)	20	

Conditions

None

Feature Cross Reference

♦ Voice Mail (In-skin)

Telephone Programming Instructions

To enter data for Program 45-03 (NSL Timer Setup):
1. Enter the programming mode.
2. Enter 45 03

45-03-01
Retry Timer 4

3. Enter the number of the item you want to program.

45-03-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-01: SERVICE TONE SETUP

Description

Use **Program 80-01 : Service Tone Setup** to define up to 64 Service Tones. Each service tone is defined by the combination of 32 Basic Tones.

Input Data

Service Tone Number	01-64

Prog. No.	Item	Input Data	Related Program
80-01-01	Repeat Count	0-255 (0 : Endless)	

Unit Number	1-8

Prog. No.	Item	Input Data	Related Program
80-01-02	Basic Tone Number*	0-33 (0 : No Tone, 33: Default Time Slot)	
80-01-03	Duration Count	1-255 (100-25500ms)	
80-01-04	Gain level(dB)	1-63 (-15.5…..+15.5dB)	

*Basic Tone

Basic Tone Number	Frequency (Hz)	Level(dB)	Basic Tone Number	Frequency (Hz)	Level(dB)
1	420	-13	17	520/650	-13/-19
2	520	-13	18	650/780	-13/-19
3	580	-13	19	780/1040	-13/-19
4	660	-13	20	1040	-13
5	700	-13	21	-Reserve-	-
6	800	-13	22	-Reserve-	-
7	880	-13	23	-Reserve-	-
8	1050	-13	24	-Reserve-	-
9	430	-13	25	-Reserve-	-
10	440/480	-13/-13	26	-Reserve-	-
11	480/620	-13/-13	27	-Reserve-	-
12	440	-16	28	-Reserve-	-
13	-Reserve-	-	29	-Reserve-	-
14	520/650	-19/-13	30	-Reserve-	-
15	650/780	-19/-13	31	-Reserve-	-
16	780/1040	-19/-13	32	-Reserve-	-

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-01: SERVICE TONE SETUP

Default

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
1	No Tone	0	1	0	10	32(0 dB)
2	Internal Dial Tone	0	1	0 1	2 3	32(0 dB) 32(0 dB)
3	Special Dial Tone	0	2	0 1	1 9	32(0 dB) 32(0 dB)
4	Internal Recall Dial Tone	3	2	0 1	1 2	32(0 dB) 32(0 dB)
5	Trunk Dial Tone	0	1	1	10	32(0 dB)
6	Busy Tone	0	2	0 1	5 5	32(0 dB) 32(0 dB)
7	DND Busy Tone	0	2	1 0	2 2	32(0 dB) 32(0 dB)
8	B-busy tone	0	2	0 1	5 5	32(0 dB) 32(0 dB)
9	Internal Reorder Tone	0	2	0 1	5 5	32(0 dB) 32(0 dB)
10	Internal Interrupt Tone	0	2	0 1	1 1	32(0 dB) 32(0 dB)
11	Internal Confirmation Tone	1	2	0 6	5 1	32(0 dB) 32(0 dB)
12	Internal Hold Tone	0	0	0	0	32(0 dB)
13	External Hold Tone	0	0	0	0	32(0 dB)
14	Ring-Back Tone	0	2	3 0	10 20	26(-3 dB) 32(0 dB)
15	Override Tone	1	2	0 6	1 1	32(0 dB) 32(0 dB)
16	Lock-out Tone	0	2	0 6	1 1	32(0 dB) 32(0 dB)
17	Clock alarm Tone	0	4	6 0 6 0	1 1 1 7	32(0 dB) 32(0 dB) 32(0 dB) 32(0 dB)
18	BGM	0	0	0	0	32(0 dB)
19	Doorbox Chime 1	3	6	4 4 2 2 2 0	2 2 3 4 6 5	38(+3 dB) 26(-3 dB) 38(+3 dB) 26(-3 dB) 14(-9 dB) 32(0 dB)
20	Doorbox Chime 2	3	6	7 7 5 5 5 0	2 2 3 4 6 5	38(+3 dB) 26(-3 dB) 38(+3 dB) 26(-3 dB) 14(-9 dB) 32(0 dB)

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-01: SERVICE TONE SETUP

Default (Cont)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
21	Doorbox Chime 3	3	6	8 8 6 6 6 0	2 2 3 4 6 5	38(+3 dB) 26(-3 dB) 38(+3 dB) 26(-3 dB) 14(-9 dB) 32(0 dB)
22	Doorbox Chime 4	3	6	4 4 2 2 2 0	1 1 2 2 3 2	38(+3 dB) 26(-3 dB) 38(+3 dB) 26(-3 dB) 14(-9 dB) 32(0 dB)
23	Doorbox Chime 5	3	6	7 7 5 5 5 0	1 1 2 2 3 2	38(+3 dB) 26(-3 dB) 38(+3 dB) 26(-3 dB) 14(-9 dB) 32(0 dB)
24	Doorbox Chime 6	3	6	8 8 6 6 6 0	1 1 2 2 3 2	38(+3 dB) 26(-3 dB) 38(+3 dB) 26(-3 dB) 14(-9 dB) 32(0 dB)
25	Service Set Tone	1	2	0 6	1 1	32(0 dB) 32(0 dB)
26	Service Clear Tone	1	2	0 6	1 1	32(0 dB) 32(0 dB)
27	Talk-back Tone	2	2	0 6	1 1	32(0 dB) 32(0 dB)
28	Speaker Monitor Tone	1	2	0 6	1 1	32(0 dB) 32(0 dB)
29	Door Relay Tone	1	2	0 6	1 1	32(0 dB) 32(0 dB)
30	Doorbox Call Tone	1	2	0 6	1 1	32(0 dB) 32(0 dB)
31	Paging Tone	2	2	0 6	1 1	32(0 dB) 32(0 dB)
32	Splash Tone 1	1	2	0 6	1 1	32(0 dB) 32(0 dB)
33	Splash Tone 2	2	2	0 6	1 1	32(0 dB) 32(0 dB)

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-01: SERVICE TONE SETUP

Default (Cont)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
38	External Busy Tone	0	2	0 11	5 5	32 (0dB) 32 (0dB)
39	Special Audible Ring-Busy Tone	0	6	0 11 0 11 10 0	5 5 5 5 10 20	32(0 dB) 32(0 dB) 32(0 dB) 32(0 dB) 32(0 dB) 32(0 dB)
40	Internal Call Waiting Tone (Transfer, Call Waiting Tone)	1	1	6	1	32(0 dB)
41	Intrusion Tone	1	1	1	8	38(+3dB)
42	Conference Tone	1	1	2	8	32 (0dB)
43	Intrusion Tone 2	0	0	0	0	32 (0dB)
44	External Dial Tone (DUD,DISA Dial Tone)	0	2	1 2	1 1	26 (-3dB) 26 (-3dB)
45	External Ring Back Tone (Ring Tone DDI)	0	4	10 0 10 0	4 2 4 30	32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB)
46	External Busy Tone (Busy Tone DDI)	0	2	11 0	5 5	32 (0dB) 32 (0dB)
47	Number unobtainable tone	0	1	11	0	32 (0dB)
48	VM message indication tone	0	2	0 1	1 2	32 (0dB) 32 (0dB)
49	- Not Used -	0	0	0	0	32 (0dB)
50	External special audible ring tone	0	3	10 12 0	10 2 30	32 (0dB) 32 (0dB) 32 (0dB)
51	External intercept tone	0	2	12 4	3 2	32 (0dB) 32 (0dB)
52	External call waiting tone	1	1	12	3	32 (0dB)
53	External executive override tone	1	1	12	10	32 (0dB)
54	- Not Used-	0	0	0	0	32 (0dB)
55	Generate tone for TAPI2.1	0	1	6	10	32 (0dB)
56	Warning Beep Tone Signal-ling	1	1	2	8	38 (+3dB)
57	Headset Ear Piece Ringing Tone	0	5	0 2 0 2 0	2 1 1 1 20	32 (0dB) 38 (+3dB) 32 (0dB) 38 (+3dB) 32 (0dB)

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-01: SERVICE TONE SETUP

Default (Cont)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
58	Opening Chime tone	1	8	2 2 14 14 15 15 16 16	2 2 2 2 2 2 6 4	32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB)
59	Ending Chime tone	1	8	20 20 19 19 18 18 17 17	2 2 2 2 2 2 6 4	32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB)
60	Splash tone 1(Mute)	1	2	0 6	1 1	32 (0dB) 8 (-12dB)
61	Splash tone 2(Mute)	2	2	0 6	1 1	32 (0dB) 8 (-12dB)
62	Splash tone 3(Mute)	3	2	0 6	1 1	32 (0dB) 8 (-12dB)
63	External Speaker Ring-back Tone	0	2	3 0	10 20	32 (0dB) 32 (0dB)
64	- Not Used -	0	0	0	0	32 (0dB)

Conditions

None

Feature Cross Reference

♦   Selectable Ring Tones

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-01: SERVICE TONE SETUP

Telephone Programming Instructions

To enter data for Program 80-01(Service Tone Setup):

1. Enter the programming mode.
2. Enter 80 01

| 80-01-01 Tone1 |
| Repeat Count 0 |

3. Enter the number of the item you want to program.

| 80-01-xx Tonexx |
| xxxxx |

4. Select the Service Tone number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-02: DTMF TONE SETUP

Description

Use **Program 80-02 : DTMF Tone Setup** to define the duration (on time) and pause (off time) for DTMF dialling. This option affects all trunk line calls system wide. You make separate entries for duration and pause. It is also possible to adjust the level of both high and low frequency tone.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
80-02-01	Duration	1-255	3 (60ms)	
80-02-02	Pause	1-255	4 (80ms)	
80-02-03	Tone Level (Low Group)	55-91(-18.0........0dB)	73 (-9dB)	
80-02-04	Tone Level (High Group)	55-91(-18.0........0dB)	77 (-7dB)	
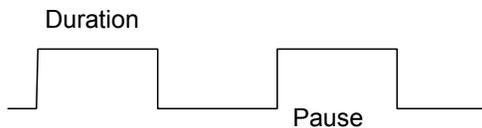
Duration

Pause

Conditions

None

Feature Cross Reference

♦   None

Telephone Programming Instructions

To enter data for Program 80-02(DTMF Tone Setup):
1. Enter the programming mode.
2. Enter 80 02

80-02-01
Duration Time 5

3. Enter the number of the item you want to program.

80-02-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-03: DTMF TONE RECEIVER SETUP

Description

Use **Program 80-03 : DTMF Tone Receiver Setup** to define the various levels and timers for the DTMF Tone Receiver.

Input Data

DTMF Tone Receiver Type Number	1 : DTMF Receiver for Extension 2 : DTMF Receiver for Trunk 3,4,5 : -Reserve-

Prog. No.	Item	Input Data	Related Program
80-03-01	Detect Level	0 : 0dBm….....-25dBm 1 : - 5dBm……-30dBm 2 : -10dBm……-35dBm 3 : -15dBm……-40dBm 4 : -20dBm……-45dBm 5 : -25dBm……-50dBm 6 : -30dBm……-55dBm	
80-03-02	Start delay time	0-255 (0.25ms – 64ms)	
80-03-03	Min. detect level	0-15 detect level 0 : –10dBm(0) to –25dBm(15) detect level 1 : –15dBm(0) to –30dBm(15) detect level 2 : –20dBm(0) to –35dBm(15) detect level 3 : –25dBm(0) to –40dBm(15) detect level 4 : –30dBm(0) to –45dBm(15) detect level 5 : –35dBm(0) to –50dBm(15) detect level 6 : –40dBm(0) to –55dBm(15)	
80-03-04	Max. detect level	0-15 detect level 0 : 0dBm(0) to –15dBm(15) detect level 1 : – 5dBm(0) to –20dBm(15) detect level 2 : –10dBm(0) to –25dBm(15) detect level 3 : –15dBm(0) to –30dBm(15) detect level 4 : –20dBm(0) to –35dBm(15) detect level 5 : –25dBm(0) to –40dBm(15) detect level 6 : –30dBm(0) to –45dBm(15)	
80-03-05	Forward twist level	0-9 (1dB…10dB)	
80-03-06	Backward twist level	0-9 (1dB…10dB)	
80-03-07	ON detect time	1-255 (15+ 15ms…3825ms)	
80-03-08	OFF detect time	1-255 (15+ 15ms…3825ms)	

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PROGRAM 80: B*ASIC* H*ARDWARE* S*ETUP FOR* S*YSTEM*

80-03: DTMF T*ONE* R*ECEIVER* S*ETUP*

Default

Prog. No.	Item	Type 1	Type 2	Type 3	Type 4	Type 5
80-03-01	Detect Level	1	1	1	1	1
80-03-02	Start delay time	0	0	0	0	0
80-03-03	Min. detect level	15(-25dBm)	15(-25dBm)	15(-25dBm)	15(-25dBm)	15(-25dBm)
80-03-04	Max. detect level	2 (-2dBm)	2 (-2dBm)	2 (-2dBm)	2 (-2dBm)	2 (-2dBm)
80-03-05	Forward twist level	5 (6dBm)	5 (6dBm)	5 (6dBm)	5 (6dBm)	5 (6dBm)
80-03-06	Backward twist level	0 (1dBm)	0 (1dBm)	0 (1dBm)	0 (1dBm)	0 (1dBm)
80-03-07	ON detect time	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)
80-03-08	OFF detect time	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)

Conditions

None

Feature Cross Reference

♦ None

Telephone Programming Instructions

To enter data for Program 80-03 (DTMF Tone Detector Setup):

1. Enter the programming mode.
2. Enter 80 03

> **80-03-01DTMF Re**
> **Detect Level 0**

3. Enter the number of the item you want to program.

> **80-03-xxDTMF Rex**
> **xxxxx**

4. Select the DTMF Tone Receiver Type number to be programmed by pressing the FLASH or the VOL-
   UME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-04: CALL PROCESS TONE DETECTOR SETUP

Description

Use **Program 80-04 : Call Progress Tone Detector Setup** to define the various levels and timers for the Call Progress Tone Detector.

Input Data

Tone Detector Type Number	1 : - Reserve - 2 : Busy Tone for Trunk 3 : Ring Back Tone for Trunk 4,5 : -Reserve-

Prog. No.	Item	Input Data	Related Program
80-04-01	Detect Level	0 : 0dBm…-25dBm 1 : -5dBm…-30dBm 2 : -10dBm…-35dBm 3 : -15dBm…-40dBm 4 : -20dBm…-45dBm 5 : -25dBm…-50dBm 6 : -30dBm…-55dBm	
80-04-02	Min. detect level	0-15 detect level 0 : –10dBm(0) to –25dBm(15) detect level 1 : –15dBm(0) to –30dBm(15) detect level 2 : –20dBm(0) to –35dBm(15) detect level 3 : –25dBm(0) to –40dBm(15) detect level 4 : –30dBm(0) to –45dBm(15) detect level 5 : –35dBm(0) to –50dBm(15) detect level 6 : –40dBm(0) to –55dBm(15)	
80-04-03	S/N ratio	0-4 (0dB…-20dB)	
80-04-04	No tone time	0-255 (30+30-7650ms) (0 : No detection)	
80-04-05	Pulse Count	1-255	
80-04-06	ON min. time	1-255 (30+30-7650ms)	
80-04-07	ON max. time	0-255 (30+30-7650ms) (0 : No detection)	
80-04-08	OFF min. time	1-255 (30+30-7650ms)	
80-04-09	OFF max. time	0-255 (30+30-7650ms) (0 : No detection)	
80-04-10	-- Reserve --	0-8	
80-04-11	-- Reserve --	0-8	

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-04: CALL PROCESS TONE DETECTOR SETUP

Default

Prog. No.	Item	Type 1(DT)	Type 2(BT)	Type 3(RBT)	Type 4	Type 5
80-04-01	Detect Level	0 (0..-25dBm)	0 (0..-25dBm)	0 (0..-25dBm)	0	0
80-04-02	Min. detect level	15 (-25dBm)	15 (-25dBm)	15 (-25dBm)	0	0
80-04-03	S/N ratio	4 (-20dB)	4 (-20dB)	4 (-20dB)	0	0
80-04-04	No tone time	132 (3990ms)	132 (3990ms)	132 (3990ms)	0	0
80-04-05	Pulse Count	1	1	1	0	0
80-04-06	ON min. time	63 (1920ms)	10 (330ms)	25 (780ms)	0	0
80-04-07	ON max. time	0 (No detect)	13 (420ms)	40 (1230ms)	0	0
80-04-08	OFF min. time	1 (60ms)	10 (330ms)	52 (1590ms)	0	0
80-04-09	OFF max. time	1 (60ms)	13 (420ms)	80 (2430ms)	0	0
80-04-10	-- Reserve --	1	1	1	0	0
80-04-11	-- Reserve --	0	0	0	0	0

Conditions

None

Feature Cross Reference

♦ None

Telephone Programming Instructions

To enter data for Program 80-04(Call Progress Tone Detector Setup):
1. Enter the programming mode.
2. Enter 80 04

```
80-04-01ToneRcv1
Detect Level  0
```

3. Enter the number of the item you want to program.

```
80-04-xxToneRcvx
xxxxx
```

4. Select the Tone Detector Type number to be programmed by pressing the FLASH or the VOLUME▲
   or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 80: BASIC HARDWARE SETUP FOR SYSTEM

80-05: DATA FORMAT FOR SMDR AND SYSTEM REPORTS

Description

Use **Program 80-05 : Date Format for SMDR and System Reports** to define the date format when printing out the SMDR, alarm report, system information report, etc.

Input Data

Date Format	Default
0 : American Format (Month/Day/Year) 1 : Japanese Format (Year/Month/Day) 2 : European Format (Day/Month/Year)	2

Conditions

None

Feature Cross Reference

♦   Station Message Detail Recording
♦   Time and Date

Telephone Programming Instructions

To enter data for Program 80-05(Data Format for SMDR and System Reports):
1. Enter the programming mode.
2. Enter 80 05

```
80-05-01
Data Format  2
```

3. Enter the number of the item you want to program.

```
80-05-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 80: BASIC HARDWARE SETUP FOR TRUNK

81-01: ANALOGUE TRUNK INITIAL DATA SETUP

Description

Use **Program 81-01 : Analogue Trunk Initial Data Setup** to define the various basic timers for the Trunk Interface of 308M/308ME cards.

Input Data

Prog. No.	Item	Input Data	Default
81-01-01	Companding method type	0 : μ-law 1 : A-law	1(A-law)
81-01-02	Loop Current Detection Time	1-255(8-2040ms)	75(600ms)
81-01-03	Clear Signal (Open Loop) Detection Time	1-255(8-2040ms)	37(296ms)
81-01-04	Ring Signal Detection Min. Time	1-255(8-2040ms)	13(104ms)
81-01-05	Single Ringing Detection Min. Time	0-255(0,8-2040ms)	82(656ms)
81-01-06	Double Ringing Detection Min. Off Time	0-255 (0,8-2040mS)	13 (104ms)
81-01-07	Double Ringing Detection Max. Off Time	0-255 (0,8-2040mS)	75 (600ms)
81-01-08	Ringing Signal Not Detection Minimum	1-255 (8-2040mS)	88 (704ms)
81-01-09	Time Ringing Signal Stop Detection Time	1-255 (64-16320mS)	38(304ms)
81-01-10	Continuous Ringing Minimum Time	0-255 (0,8-2040mS)	25(200ms)
81-01-11	Continuous Ringing Maximum Time	0-255 (0,8-2040mS)	88(704ms)
81-01-12	AC Impedance Timer	1-255 (64-16320mS)	4 (256ms)
81-01-13	Grounding Time	1-255 (16-4080mS)	9 (144ms)
81-01-14	**Flash (Hooking 1)** This sets the flash (Hooking 1) duration for analogue trunk calls. See Program 14-02-04.	1-255 (16-4080mS)	6 (96ms)
81-01-15	**Flash (Hooking 2)** This sets the flash (Hooking 2) duration for analogue trunk calls. See Program 14-02-04.	1-255 (16-4080mS)	156(2496ms)
81-01-16	Pause Time	1-255(64-16320mS)	47(3008ms)
81-01-17	PFT Idle Detection Time	1-255(64-16320mS)	47(3008ms)
81-01-18	Grounding Start Time	1-255 (8-2040mS)	6 (48ms)
81-01-19	Grounding Start Give-up Time	1-255 (64-16320mS)	47 (3008ms)
81-01-20	Loop Reverse Detect Min. Time	1-255 (8-2040mS)	13 (104ms)
81-01-21	Loop Reverse Detect Max. Time	1-255 (8-2040mS)	107 (856ms)
81-01-22	Loop Disconnect Detect Min. Time	1-255 (8-2040mS)	63(504ms)
81-01-23	Loop Disconnect Detect Max. Time	1-255 (8-2040mS)	87(696ms)
81-01-24	On Hook Normal Detect Time	1-255 (8-2040mS)	3(24ms)
81-01-25	On Hook Reverse Detect Time	1-255 (8-2040mS)	2 (16ms)
81-01-26	On Hook Disconnect Detect Time	1-255 (16-4080mS)	188 (3008ms)

IN
SA
SB

PROGRAM 80: BASIC HARDWARE SETUP FOR TRUNK

81-01: ANALOGUE TRUNK INITIAL DATA SETUP

Input Data (Cont)

Prog. No.	Item	Input Data	Default
81-01-27	-Not Used -	-	-
81-01-28	-Not Used -	-	-
81-01-29	-Not Used -	-	-
81-01-30	-Not Used -	-	-
81-01-31	-Not Used -	-	-
81-01-32	-Not Used -	-	-
81-01-33	Charging Pulse Minimum Duration Time	1-255 (8-2040mS)	9 (72ms)
81-01-34	Charging Pulse Minimum Period Time	1-255 (8-2040mS)	29 (232ms)
81-01-35	Charging Pulse Minimum Interval Time	1-255 (8-2040mS)	6 (48ms)

Conditions

None

Feature Cross Reference

♦ Central Office Calls, Placing

Telephone Programming Instructions

To enter data for Program 81-01 (Analogue Trunk Initial Data Setup):
1. Enter the programming mode.
2. Enter 81 01

```
81-01-01
Compand'n Type0
```

3. Enter the number of the item you want to program.

```
81-01-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

PROGRAM 80: BASIC HARDWARE SETUP FOR EXTENSION

81-04: ANALOGUE STATION INITIAL DATA SETUP

Description

Use **Program 82-04 : Analogue Station Initial Data Setup** to define the various basic timers for the 308M/308ME Card.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
82-04-01	Companding method type	0 : µ-law 1 : A-law	1 (A-law)	
82-04-02	Ringing frequency	0 : 25Hz 1 : 20Hz 2 : 16Hz	0 (25Hz)	
82-04-03	- Not Used -	-	-	
82-04-04	- Not Used -	-	-	
82-04-05	- Not Used -	-	-	
82-04-06	- Not Used -	-	-	
82-04-07	Minimum Hook Flash Time	1-255(5ms-1275ms)	17 (85ms)	
82-04-08	Maximum Hook Flash Time	1-255(5ms-1275ms)	28 (140ms)	
82-04-09	Minimum Ground Flash Time	1-255(5ms-1275ms)	21 (105ms)	
82-04-10	Minimum Off-Hook Time	1-255(5ms-1275ms)	21 (105ms)	
82-04-11	No detection time after Off-Hook	1-255(5ms-1275ms)	60 (300ms)	
82-04-12	No detection time after pulse dial detection	1-255(5ms-1275ms)	70 (350ms)	
82-04-13	Loop disconnect time, Reversal time	1-255(5ms-1275ms)	60 (300ms)	
82-04-14	Ring, Message wait period time	1-255(5ms-1275ms)	150 (750ms)	

Conditions

None

Feature Cross Reference

None

IN
SA
SB

PROGRAM 80: BASIC HARDWARE SETUP FOR EXTENSION

81-04: ANALOGUE STATION INITIAL DATA SETUP

Telephone Programming Instructions

To enter data for Program 82-04 (Analogue Station Initial Data Setup):

1. Enter the programming mode.
2. Enter 82 04

82-04-01
Compand'n type 1

3. Enter the number of the item you want to program.

82-04-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-01: INSTALLATION DATE

Description

Use **Program 90-01 : Installation Date** to define the installation date of system.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
90-01-01	Year	00-99	00（No setting）	
90-01-02	Month	01-12	00（No setting）	
90-01-03	Day	01-31	00（No setting）	

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-01 (Installation Date):
1. Enter the programming mode.
2. Enter 90 01

```
90-01-01
Install Year    0
```

3. Enter the number of the item you want to program.

```
90-01-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

| IN |
| SA |
| SB |

PROGRAM 90: MAINTENANCE PROGRAM

90-02: SETTING THE PROGRAMMING PASSWORD

Description

Use **Program 90-02 : Setting the Programming Password** to set the system passwords. For password entry purposes, the system allows 8 users to be defined. Each user can have a:
• Unique alphanumeric name (up to 10 alphanumeric characters long.
• Password entry of up to 8 digits (using 0-9, # and *)
• Password level
The "IN" level password is used by the "System Installer" for system programming purposes. The "SA" or "SB" level password cannot access the "IN" level programs. The reverse type (white on black) just beneath the Description heading is the program's access level. You can only use the program if your access level meets or exceeds the level the program requires. ("SA" level password can access to "SA" or "SB" programs, and "SB" level password can access to "SB" programs only.)

!! Caution !!

It is NOT recommended to change this data unnecessarily. If the digits are changed and then forgotten, there may be no normal way to enter the program mode again.

Input Data

User Number	1-8

Prog. No.	Item	Input Data	Related Program
90-02-01	User Name	Max. 10 characters	
90-02-02	Password	Up to 8 digits	
90-02-03	User Level	0- Prohibited user 1- MF (Manufacturer level - for NEC-i use only) 2- IN (Installer level) 3- SA (System administrator level 1) 4- SB (System administrator level 2)	

Default

User No.	User Name	Password	Level	Level Description
1	NEC-I	-	1 (MF)	Blocked User (Manufacturer programming access only)
2	tech	12345678	2 (IN)	Installer Level - Access to all programs this manual
3	ADMIN1	0000	3 (SA)	System Administrator Level 1 - Restricted access
4	ADMIN2	9999	4 (SB)	System Administrator Level 2 - More restricted access
5	-Not Used-	-Not Used-	-	
6	-Not Used-	-Not Used-	-	
7	-Not Used-	-Not Used-	-	
8	-Not Used-	-Not Used-	-	

Conditions

Two extensions can be in the programming mode.

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-02: SETTING THE PROGRAMMING PASSWORD

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-02 (Setting the Programming Password):
1. Enter the programming mode.
2. Enter 90 02

90-02-01   User1
Name -NEC-I

3. Enter the number of the item you want to program.

90-02-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Select the User number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

![NEC]

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-03: SAVE DATA

Description

Use **Program 90-03 : Save Data** to save the programmed data on the SRAM and Flash ROM to the Removable Compact Flash Memory. This program should be used after changing the programmed data.

Input Data

[Data Save] : Dial 1 and HOLD key (Press only HOLD key for cancel)

Conditions

System data is saved into the directory named "data" on the CompactFlash card inserted into the EXIFU-A1 card. Previously saved data in the "data" directory will be overwritten. To retain previously saved data, rename the directory or copy from the CompactFlash onto other media.

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-03 (Save Data):
1. Enter the programming mode.
2. Enter 90 03

90-03-01
Data Save

3. Enter the number of the item you want to program.

90-03-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-04: LOAD DATA

Description

Use **Program 90-04 : Load Data** to load the system data from the inserted Compact Flash Memory to the SRAM and Flash ROM in the system.

Input Data

[Data Load] : Dial 1 and HOLD key (Press only HOLD key for cancel)

Conditions

System data will be loaded from the directory named "data" on the CompactFlash card inserted into the EXIFU-A1 card.

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-04 (Load Data):
1. Enter the programming mode.
2. Enter 90 04

90-04-01
Load Data

3. Enter the number of the item you want to program.

90-04-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-05: SLOT CONTROL

Description

Use **Program 90-05 : Slot Control** to close (turn off) or delete (uninstall) circuit boards (slots 1-18). Delete allows you to completely uninstall the PCB. You might want to do this if you want to remove a PCB and plug it into a different slot - and still retain the port assignments. If a different type of interface card is being installed into a slot previously used (example; changing from a BRIU to VOIPU PCB), the slot should be deleted (Menu 1) first before installing the new interface card.
Reset allows you to send a reset code.

Input Data

Menu Number	1 : Delete 2 : Reset

Slot Number
1-18 (0 : No Setting)

Conditions

When you delete or reset a PCB, you must first remove it from its slot then run Program 90-05.
When reusing the slot for another PCB, you must plug the PCB in or reset the system before the system will use the slot again.

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-05 (Slot Control):
1. Enter the programming mode.
2. Enter 90 05

```
90-05-01  Menu 1
Slot Number
```

3. Enter the number of the item you want to program.

```
90-05-xx  Menux
xxxxx
```

4. Select the Menu number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-06: TRUNK CONTROL

Description

Use **Program 90-06 : Trunk Control** is used for the trunk maintenance. Busy Out lets you block a PCB from placing outgoing calls. Once busied out, none of the ports on the PCB can be used for new calls. Existing calls, however, are not torn down.

Input Data

Trunk Port Number
1-51

Menu Number	1 : Set Busy Out 2 : Reset/Release Busy Out

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-06 (Trunk Control):
1.   Enter the programming mode.
2. Enter 90 05

> **90-06-01 Trunk1**
> **Menu**

3. Enter the number of the item you want to program.

> **90-06-xx Trunkx**
> **xxxxx**

4. Select the Menu number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

IN	
SA	
SB	

PROGRAM 90: MAINTENANCE PROGRAM

90-07: EXTENSION CONTROL

Description

Use **Program 90-07 : Extension Control** is used for Extension maintenance.

Input Data

Menu Number	1 : Hardware Reset 2 : Software Reset

Extension Number
Up to 4 digits

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-07 (Extension Control):
1. Enter the programming mode.
2. Enter 90 07

> **90-07-01   Menu1**
> **Ext No.**

3. Enter the number of the item you want to program.

> **90-07-xx   Menux**
> **xxxxx**

4. Select the Menu number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

| IN |
| SA |
| SB |

PROGRAM 90: MAINTENANCE PROGRAM

90-08: SYSTEM RESET

Description

Use **Program 90-08 : System Reset** is used to perform a system reset.

Input Data

[System-Reset] : Dial 1 and HOLD key (Press only HOLD key for cancel)

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-08 (System Reset):
1. Enter the programming mode.
2. Enter 90 08

```
90-08-01
SYS-Reset  1
```

3. Enter the number of the item you want to program.

```
90-08-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-09: AUTOMATIC SYSTEM RESET TIME

Description

Use **Program 90-09 : Automatic System Reset Time** to define the time the system will automatically reset.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
90-09-01	Month	00-12(Note 1)	00	
90-09-02	Day	00-31(Note 2)	00	
90-09-03	Hour	00-23	00	
90-09-04	Minute	00-59	00	

Note 1. If the Month is set to "00" and Day has been set, the system will automatically be reset every month of defined day.

Note 2. If the Day is set to "00" and the Time (Hour and Minute) has been set, the system will automatically be reset every day of defined time.

Note 3. When all items are set to "00", as is the default, the system will not automatically reset.

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-09 (Automatic System Reset Time Setup):
1. Enter the programming mode.
2. Enter 90 09

90-09-01
SysReset Month0

3. Enter the number of the item you want to program.

90-09-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

Description

Use **Program 90-10 : System Alarm Setup** to assign a status to system alarms. You can designate an alarm as Major or Minor. This program also assigns whether or not the alarm is displayed to a key tele-phone and whether or not the alarm information is reported to the pre-defined destination.

Input Data

Alarm Number	001-100

Default

Alarm	Type	Report	Note	Is Used To Advise of...	Action
1	2(MIN)	0	Board Initializa-tion Error	Initialization Failure or the PCB is defective	Remove and reinstall the PCB.
2	2(MIN)	0	Board Installation Error	PCB was unplugged with-out using the proper pro-cedure.	Check the PCB installa-tion.
3	2(MIN)	0	Communication Error between Board and EXIFU	PCB communication fail-ure has occurred.	Remove and reinstall the PCB. If RECover mes-sage is received in the alarm report, the PCB is good. If not, replace with a new PCB.
4	2(MIN)	0	PCB Program Download Error	Download may have failed because the PCB is blocked (disabled) or the sub -program does not exist on the system flash card.	After unblocking the PCB, if RECover message is received in the alarm re-port, it is corrected. If not, then replace the system flash card.
5	0	0	-Not Used-	-	-
6	0	0	Blocking (No de-fault setting)	Failure may have oc-curred because: • Terminal blocking detected. • Terminal is unplugged. • Wire is disconnected. • 308 card is defective.	Check the terminal wiring and reconnect properly. Then unplug and plug in the PCB. If RECover message is received in the alarm report, it is cor-rect. If not, replace the PCB and/or terminal.
7	1(MAJ)	0	-Not Used-	-	-
8	1(MAJ)	0	RAM Backup Battery Error	RAM backup battery on the 308M PCB is un-plugged or defective.	Check the battery con-nector. If it is connected correctly, then replace the battery.
9	0	0	-Not Used-	-	-

IN	
SA	
SB	

PROGRAM 90: MAINTENANCE PROGRAM

90-10: SYSTEM ALARM SETUP

Default (Cont)

Alarm	Type	Report	Note	Is Used To Advise of…	Action
10	0	0	ISDN Link Error		
11	0	0	- Not Used -		
12	0	0	ACD-MIS Link Error		
13	0	0	TMR Link Error		
14	0	0	EXIFU-LAN Link Error		
15	0	0	-Not Used-	-	-
:	:	:	:		
29	0	0	TRM output Buffer Full		
30	2(MIN)	0	SMDR output Buffer Full	The SMDR Buffer is Full	Check the printer for the SMDR.
31	0	0	-Not Used-	-	-
:	:	:			
49	0	0	-Not Used-	-	-
50	1(MAJ)	0	System Start Up		
51	0	0	System Data Change		
52	0	0	VM/HD		
53	0	0	-Not Used-	-	-
:	:	:	-Not Used-	-	-
100	0	0	-Not Used-	-	-

Conditions

None

Feature Cross Reference

None

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-10: SYSTEM ALARM SETUP

Telephone Programming Instructions

To enter data for Program 90-10 (System Alarm Setup):

1. Enter the programming mode.
2. Enter 90 10

> **90-10-01Alarm1**
> **Alarm Type   2**

3. Enter the number of the item you want to program.

> **90-10-xx**
> **xxxxx**

4. Select the Alarm number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
   Press DC until you've exited that series' programming section.

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-11: SYSTEM ALARM REPORT SETUP

Description

Use **Program 90-11 : System Alarm Report** to define the details of the system alarm report.

Input Data

Prog. No.	Item	Input Data	Default
90-11-01	**System Alarm Display Telephone** Assign the display KTS port that should receive system alarms.	Up to 4 digits	No setting
90-11-02	**Report Method**	0- No report 1- Auto-Call (by E-mail) to outside	0
90-11-03	-Not Used-	-	-
90-11-04	-Not Used-	-	-
90-11-05	-Not Used-	-	-
90-11-06	**SMTP Host Name**	Up to 255 characters	No setting
90-11-07	**SMTP Host Port Number**	0-65535	25
90-11-08	**To Address**	Up to 255 characters	No setting
90-11-09	**Reply Address**	Up to 255 characters	No setting
90-11-10	**From Address**	Up to 255 characters	No setting
90-11-11	**DNS Primary Address**	0.0.0.0-255.255.255.255	0.0.0.0
90-11-12	**DNS Secondary Address**	0.0.0.0-255.255.255.255	0.0.0.0
90-11-13	**Customer Name**	Up to 255 characters	No setting

Conditions

None

Feature Cross Reference

None

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-11: SYSTEM ALARM REPORT SETUP

Telephone Programming Instructions

To enter data for Program 90-11 (System Alarm Report):

1. Enter the programming mode.
2. Enter 90 11

90-11-01
ALM Disp.TEL

3. Enter the number of the item you want to program.

90-11-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-12: SYSTEM ALARM OUTPUT

Description

Use **Program 90-12 : System Alarm Output** to set the options for the alarm report. This program has 6 separate menu options. Define the output port to be used as the output for system alarm report and set the system alarm options. The system can have up to 50 reports.

Input Data

Prog. No.	Item	Input Data	Default
90-12-01	**Output Port Type** Indicate the type of connection used for the System Alarms. The baud rate for the COM port should be set in Program 10-21-02.	0 : No setting 1 : COM Port (EXIFU)	0
90-12-02	-Not Used-	-	-
90-12-03	**Output All Alarm Reports**	Print All? (Yes : 1)	-
90-12-04	**Printout New Alarm Reports**	Print New? (Yes: 1)	-
90-12-05	**Clear All Alarm Reports**	All Clear? (Yes : 1)	-
90-12-06	**Output Mode**	0 : Manual 1 : Auto	0

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-12 (System Alarm Output):
1. Enter the programming mode.
2. Enter 90 12

```
90-12-01
Output Type  0
```

3. Enter the number of the item you want to program.

```
90-12-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-13: SYSTEM INFORMATION OUTPUT

Description

Use **Program 90-13 : System Information Output** to define the output port to be used as the system information output. The baud rate for the COM port should be set in Program 10-21-02.

Input Data

Prog. No.	Item	Input Data	Default
90-13-01	**Output Port Type** Indicate the type of connection used for the SMDR.	0…No setting 1…COM Port (EXIFU)	0
90-13-02	-Not Used-	-	-
90-13-03	Dialling 1 from this program sends the system report to the connected device.	Dial 1 and press HOLD (Press only HOLD key for cancel)	-

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-13 (System Information Output):
1. Enter the programming mode.
2. Enter 90 13

90-13-01
Output Type   0

3. Enter the number of the item you want to program.

90-13-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-16: MAIN SOFTWARE INFORMATION

Description

Use **Program 90-16 : Main Software Information** to display the main software information on the CPU. This Version Number information can also be viewed outside of system programming by pressing OPAC Key and Dial 3 then the on any display keyset.

Input Data

Prog. No.	Item	Data	Component
90-16-01	Version Number	01.00 - 99.99	ASCII Code (5 Byte)
90-16-02	Software Release Data	May 22 2004 17:53:46 <PCPro> May 22 04 17:53 <TELPro>	ASCII Code (20 Byte) <PCPro> ASCII Code (16 Byte) <TELPro>

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-16 (Main Software Information):

1. Enter the programming mode.
2. Enter 90 16

90-16-01
Version No .

3. Enter the number of the item you want to program.

90-16-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

NEC

IN
SA
SB

PROGRAM 90: MAINTENANCE PROGRAM

90-17: FIRMWARE INFORMATION

Description

Use **Program 90-17 : Firmware Information** to display the firmware information on the 308M and other PCBs.

Input Data

Prog. No.	Item	Data	Component
90-17-01	DSP Firmware Version Number	00.00.00.00 – 15.15.15.15	BCD Code (2 Byte)
90-17-02	DSPDB Firmware Version Number	00.00.00.00 – 15.15.15.15	BCD Code (2 Byte)
90-17-03	-Not Used-	-	-
90-17-04	-Not Used-	-	-
90-17-05	-Not Used-	-	-
90-17-06	BRIU Firmware Version Number	00.00 – 15.15	BCD Code (1 Byte)
90-17-10	- Not Used -	-	-
90-17-11	- Not Used -	-	-
90-17-12	-Not Used-	-	-
90-17-13	-Not Used-	-	-

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-17 (Firmware Information):
1. Enter the programming mode.
2. Enter 90 17

```
90-17-01
DSP  . . .
```

3. Enter the number of the item you want to program.

```
90-17-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 90: MAINTENANCE PROGRAM

90-19: DIAL BLOCK RELEASE

Description

When the extension number is entered in **Program 90-19 : Dial Block Release**, the extension will be released from the Dial Block restriction.

Input Data

Extension Number	Up to 4 digits

Input Data
[CLR Dial Block] : Dial 1 and press HOLD key (Press only HOLD key for cancel)

Conditions

None

Feature Cross Reference

♦ Toll Restriction

Telephone Programming Instructions

To enter data for Program 90-19 (Dial Block Release)
1. Enter the programming mode.
2. Enter 90 19

> **90-19-01 TELxxx**
> **CLR Dial Block**

3. Enter the number of the item you want to program.

> **90-19-xx TELxxxx**
> **xxxxx**

4. Select the Extension number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 90: MAINTENANCE PROGRAM

90-20: Traffic Report Data Setup

Description

Use **Program 90-20 : Traffic Report Data Setup** to define the details of the traffic report.

Input Data

Prog. No.	Item	Input Data	Default
90-20-01	Call Traffic Output	0 : Not measured 1 : Measured	0
90-20-02	-Not Used-	-	-
90-20-03	All Line Busy Output	0 : Not detected 1-256 : (Report when the data is reached to the defined value) -	0
90-20-04	DTMF Receiver Busy Output		0
90-20-05	Dial Tone Detector Busy Output		0
90-20-06	Caller-ID Receiver Busy Output		0
90-20-07	Voice Mail Channel All Busy Output		0
90-20-08	-Not Used-		-
90-20-09	Attendant Channel All Busy Output		0
90-20-10	Base Station All Busy Output		0

Conditions

None

Feature Cross Reference

♦ Traffic Management Reporting (TMS)

Telephone Programming Instructions

To enter data for Program 90-20 (Traffic Report Data Setup):
1. Enter the programming mode.
2. Enter 90 20

> **90-20-01**
> **Call Traffic 0**

3. Enter the number of the item you want to program.

> **90-20-xx**
> **xxxxx**

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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Description

Use **Program 90-21 : Traffic Report Output** to define the output port to be used as the traffic report output.

Input Data

Prog. No.	Item	Input Data	Default
90-21-01	Output port type	0 : No setting 1 : COM port(EXIFU)	0

Conditions

None

Feature Cross Reference

♦   Traffic Management Reporting (TMS)

Telephone Programming Instructions

To enter data for Program 90-21 (Traffic Report Output):

1. Enter the programming mode.
2. Enter 90 21

```
90-21-01
Output Port   0
```

3. Enter the number of the item you want to program.

```
90-21-xx
xxxxx
```

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 90: MAINTENANCE PROGRAM

90-24: System Alarm Report Notification Time Setup

Description

Use **Program 90-24 : System Alarm Report Notification Time Setup** to set up when the alarm report will print.

Input Data

Prog. No.	Item	Input Data	Default	Related Program
90-24-01	Month	00-12(0 : disabled)	00	90-12-06
90-24-02	Day	00-31	00	
90-24-03	Hour	00-23	00	
90-24-04	Minute	00-59	00	

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-24 (System Alarm Report Notification Time Setup):

1. Enter the programming mode.
2. Enter 90 24

```
90-24-01  Noti1
Month
```

3. Enter the number of the item you want to program.

```
90-24-xx    Notixx
xxxxx
```

4. Select the Notification number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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*P*ROGRAM *90: M*AINTENANCE *P*ROGRAM

90-25: System Alarm Report CC Mail Setup

Description

Use **Program 90-25 : System Alarm Report CC Mail Setup** to define the mail address to receive the system alarm report CC Mail setup.

Input Data

CC Number	1-5

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-25 (System Alarm Report CC Mail Setup):
1. Enter the programming mode.
2. Enter 90 25

| 90-25-01 CC No1 |
| Address |

3. Enter the number of the item you want to program.

| 90-25-xx |
| xxxxx |

4. Select the CC number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 90: MAINTENANCE PROGRAM

90-26: System Data Programming Level Setup

Description

Use **Program 90-26 : System Data Programming Level Setup** to define the programming access level of each command.

Input Data

Program Number	1001-9201

Prog. No.	Item	Input Data	Default
90-26-01	Maintenance Level	1 : MF (Manufacturing Level) 2 : IN (Installer Level) 3 : SA (System Administrator A) 4 : SB (System Administrator B)	Refer to each header of Programming Manual

Conditions

You can only set a level equal or lower than the level you are logged on. e.g. if you log on as installer you can not set any to manufacturer level.

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 90-26 (System Data Programming Level Assignment):
1. Enter the programming mode.

2. Enter 90 26

```
90-26-01 PRG1001
Maintenance LVL3
```

3. Enter the number of the item you want to program.

```
90-26-xx PRGxxxx
 xxxxx
```

4. Select the Program number to be programmed by pressing the FLASH or the VOLUME▲ or VOLUME▼ keys.
5. Enter data for the item you selected + HOLD.
6. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 92: COPY PROGRAM

92-01: Copy Command

Description

Use **Program 92-01 : Copy Program** to copy the data for one program to another keyset, port, group, etc. Refer to the following charts to see which programs which can be copied.

Input Data

Program Number	xx-xx

Prog. No.	Item	Input Data
92-01-01	**Source Number** Enter the extension, trunk, group, etc.. from which the data will be copied.	• **In case of Trunk Base …**. Trunk Port Number 1-51 • **In case of Trunk Group Base….** Trunk Group Number 1-25 • **In case of Extension Base….** Extension Number (Up to 4 digits) • **In case of Department Group Base….** Department Group Number 1-32 • **In case of DSS….** DSS Console Number 1-9
92-01-02	**Destination Number (From)** Enter the first extension, trunk, group, etc. number to which the information is to be copied.	
92-01-03	**Destination Number (To)** Enter the last extension, trunk, group, etc. number to which the information is to be copied. If the information is only be copied to one extension, trunk, group, etc., enter the information entered in the Destination Number (From) entry.	

Note) Copy Program is applicable only for the following programs.

1.   **Trunk Port Base**

Prog. No.	Program Name	Note
14-01	Trunk Basic Data Setup	Copy all data except Trunk Name (**14-01-01**)
14-02	Analogue Trunk Data Setup	
14-04	Behind PBX Setup	
14-08	Music on Hold Source for Trunks	
14-09	Conversation Recording Destination for Trunk	
21-03	Trunk Group Routing for Trunks	
21-12	ISDN Calling Party Number Setup for Trunk	
22-02	Incoming Service Type Setup	
22-03	Trunk Ring Tone Setup	
22-05	IRG Assignment for Normal Ring Trunk	
22-08	Second IRG Setup for unanswered DIL / IRG	
31-05	Incoming Ring Tone Audible on External Speaker	

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2.   Trunk Group Base

Prog. No.	Program Name	Note
35-03	SMDR Port Assignment for Trunk Group	

3.   Extension Base

Prog. No.	Program Name	Note
15-01	Extension Basic Data Setup (include Virtual Extension)	Copy all data except extension name(15-01-01)
15-02	Multi-Line Telephone Basic Data Setup	
15-03	Single Line Telephone Basic Data Setup	
15-06	Trunk Access Map for Extension	
15-07	Programmable Function Key	
15-08	Incoming Virtual Extension Ring Tone Setup	
15-09	Virtual Extension Ring Assignment	
15-10	Incoming Virtual Extension Ring Tone Order Setup	
15-11	Virtual Extension Delayed Ring Assignment	
15-12	Conversation Recording Destination for Extension	
20-06	Class of Service for Extension	
21-02	Trunk Group Routing for Extensions	
21-04	Toll Restriction Class for Extensions	
21-11	Hotline Assignment	
23-03	Ringing Line Preference	
23-04	Ringing Line Preference for Virtual Extensions	
24-03	Park Group Assignment	
31-02	Internal Paging Group Assignment	

4.   Department Group Base

Prog. No.	Program Name	Note
16-01	Department (Extension) Group Basic Data Setup	Copy all data except Group Name (16-01-01).
35-04	SMDR Port Assignment for Department Group	

5.   DSS Console Base

Prog. No.	Program Name	Note
30-03	DSS Key Assignment	

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92-01: Copy Command

Conditions

Using this program to copy a keyset's Programmable Function Keys will copy all the keys whether they exist on the phone to which the programming is being copied. This may cause confusion when trying to define a key which is already defined but which doesn't exist on the phone (will display as "DUPLICATE DATA"). It is recommend to either clear these non-existent keys or to only copy from an extension which has the same or fewer number of keys than the extension to which the programming is being copied.

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 92-01 (Copy Command):

1. Enter the programming mode.

2. Enter 92 01

92-01-01
Copy Func.

3. Enter the number of the item you want to program.

92-01-xx
xxxxx

4. Enter data for the item you selected + HOLD.

5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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PROGRAM 92: COPY PROGRAM

92-02: Delete All Extension Number

Description

Use **Program 92-02 : Delete All Extension Number** to delete all extension numbers (PRG11-02,PRG11-04), However, the extension number of first port is not deleted.

Input Data

[Ext No. Del YES:1] Press Dial 1 + HOLD Key.
(Only Press HOLD key is cancelled.)

Conditions

None

Feature Cross Reference

None

Telephone Programming Instructions

To enter data for Program 92-02 (Delete All Extension Number):
1. Enter the programming mode.
2. Enter 92 02

92-02-01
Ext No. Del

3. Enter the number of the item you want to program.

92-02-xx
xxxxx

4. Enter data for the item you selected + HOLD.
5. Enter data for the next item in the program.
   OR
   Press DC once to enter a new item number.
   OR
Press DC until you've exited that series' programming section.

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