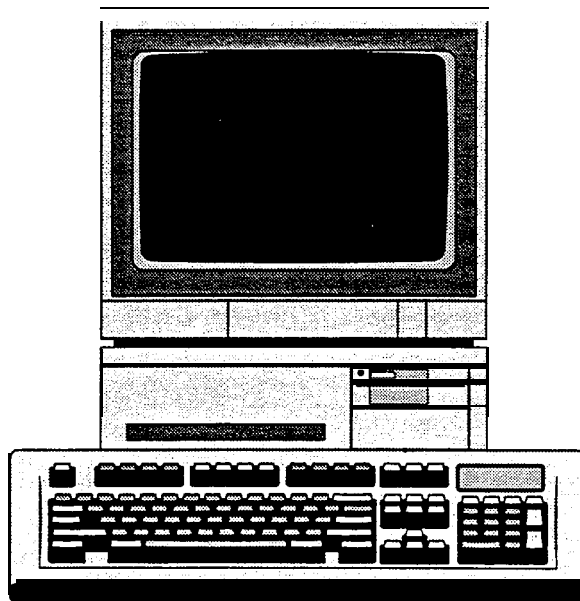


COMDIAL

DSU

Digital Telephone System Video Display Terminal Programming Manual



This publication is applicable to the following common equipment base units GO408 Rev. A and later, GO816 Rev. A and later, or G1632 Rev. A and later; with software cartridges IO 408, **SO408**; 10816, **SO816**; or 101632, SO1632 Rev. 14A and later.

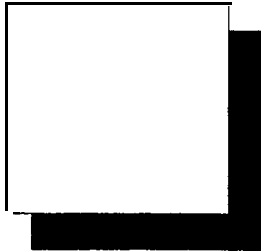


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1.

Introducing VDT Programming

1.1 Using This Book

This publication provides instruction for programming a digital telephone system, or Digital Service Unit (**DSU**), using a Video Display Terminal (**VDT**). You can use a personal computer that is running a terminal emulation software program as a VDT if desired (See pages 2 and 3). Refer to the Digital Telephone System Manual, **IMI66-107**, section 4-77, for a detailed discussion about VDT connection and use.

We have preprogrammed the telephone system to a user-oriented set of operational parameters known as **default** values. In many cases, these **values** will provide operating conditions that are completely acceptable to the site requirements. With these defaulted values, the system is completely **operational** as soon as you **install** and apply power to it. On those occasions where the default values do not fit the site requirements, you can reprogram the system to customize the operational parameters to meet those requirements.

*NOTE: For several of the **VDT programming functions**, you must use **different** menus to completely program the function. For example, Toll Restriction is done on the Station C.O.S. menu, the Line C.O.S. menu and the Toll Restriction menu. If you are unsure about a particular function, check the index in the back of the book for all page listings for that function.*

1.2 Knowing The Programming Commands

Description: The on-screen programming is menu driven and fairly self explanatory. The following commands will be useful to you in programming the system

NOTE: All of this information can be obtained by entering the Information menu, number 5 on the Main menu.

To Program:

- To quit a programming procedure, either press RETURN (ENTER on some VDT keyboards), which returns you to the top of the current menu,
- O R -
- **CTRL C**, which returns you to the top of the main menu.
- To display the help menu (if one is available to you) press the ? key (the system is waiting at the same prompt line as it was before the help menu was requested).
- To print the menu that you are currently using, press the @ key.

NOTE: There are also special line edit characters that you will need to know.

- To cause the current response line to be echoed for review press **CTRL R**.
- To cause the current response line to be deleted press **CTRL D**.
- To cause class of service data printout to stop scrolling so that it can be viewed press **CTRL S**.
- To cause class of service data printout to resume press any key.

1.3 Operating A Personal Computer

The following procedure is given as a typical example for using a PC and an XMODEM-type communications software program to program the digital telephone system. It is only provided for illustration **and reference** purposes and describes a set-up using a typical *communications software* program known as *PROCOMM*[™] (produced by Datastorm Technologies, Inc.). Many other communications software programs are also available that you can use for this purpose. While individual operating procedures will vary with different communications software programs, the general process is similar to this.

Perform turn-on and program-load procedures. If operating through modems, take action to establish a communications link between the PC and the digital telephone system.

If you have **direct** connected your PC to the digital telephone system, match the data communications parameters of the software program to those now **programmed** at the digital telephone system.

If you are employing remote programming, match the data parameters of the PC to the modem connected to it. The modem connected to the digital telephone system must match its data **parameters** as well.

NOTE: Remember, 8-bit data is required for XMODEM protocol. If the digital telephone system is not now programmed to provide 8-bit data, you will have to reprogram it from station 10 before remote data communications can take place. You should set the baud rate to match the modem or the PC at the same time.

1.3.1 Setting The Data Communication Parameters on A PC

Description: The data communication parameters are those parameters (baud rate, stop bits, data bits) for the DSU.

NOTE: Remember, the baud rate setting of the PC or data terminal, the data modems, and the digital telephone system must be the same. Always change the programming parameters of the DSU first, then the programming terminal.

To Program:

1. Once in *PROCOMM*[™] Press **ALT P**
2. Press **11** and RETURN (This action selects a baud rate of 9600 baud)
3. Press **17** and RETURN (**This** action selects 8-bit data)
3. Press **18** and RETURN (**This** action selects one stop bit)
4. Press **24** and **RETURN** (**This** action saves the data parameters)

1.32 Setting The Terminal Parameters

Description: The Terminal parameters are the matching parameters for the DSU. Remember, all of them must be the same as they are for the DSU.

NOTE: Setting the terminal emulation for a Wyse-50 or VT-100 emulation will provide a compatible set of &fault values; however, any **emulation** which provides **full duplex operation** is satisfactory.

To Program:

1. Once in **PROCOMM™** Press **ALT S**
2. Press **2** and **RETURN**
3. Press **1** and **RETURN**
4. Use arrow keys to select VDT-100 or similar emulation then press **RETURN**
5. Press **ESC** to finish
6. Press **S** and **RETURN** (This action saves the terminal parameters)
7. Press **ESC** and **RETURN** to end the **terminal** parameter set up

1.33 Programming The System and Loading /Saving The Data Base

Description: When programming from a remote personal computer, you will need to load and / or save your programming decisions. This is not available as a feature if you are programming via a **Wyse 50** terminal.

To Program:

1. When computer screen displays a prompt for password, type I * 7 4 6 * then press **RETURN** (This causes main COS programming menu to be displayed)
2. From main menu, make all selections necessary to perform class of service **programming** then return to the main menu
3. From main menu, press 1 and **RETURN** (This causes system COS programming menu to be displayed)
4. From the system menu, **press 4** and **RETURN** (This causes load/save menu to be displayed. From load/save menu, down-load COS data from digital telephone system to computer or up-load COS data from computer to digital telephone system)
5. Down-Load COS Data From Digital Telephone System To PC
 - A. Press **1** and **RETURN**
 - B. Press **PAGE DOWN**
 - C. Press **1** to choose **XMODEM protocol**
 - D. Type file name for down-loaded COS data to save into--include destination drive (for example, A:\ cust.001)
 - E. Press **RETURN**. The COS data, as programmed in the digital telephone system, is automatically down-loaded to the computer file
6. **Up-Load** COS Data From PC To Digital Telephone System
 - A. Press **2** then **RETURN**
 - B. Press **PAGE UP**
 - C. Press **1** to choose **XMODEM** protocol
 - D. Type file name of saved COS data--include source drive if necessary
 - E. Press **RETURN**. The COS data, as stored in the computer file, is automatically uploaded too the digital telephone system
7. From load/save menu, press 3 to down-load currently stored auto dial and speed dial numbers or press 4 to upload them
8. If transfer is completed properly, screen will display "Xmodem transfer complete, no errors."
9. Return to main menu and log off

1.4 Using the Password

To enter the programming mode, you must first enter the password (**I*746***). If you have not made a programming choice within a set amount of time, approximately three minutes, the system will automatically logoff. If logoff occurs, you must re-enter the password.

1.5 Master Clearing the System

Before you begin any programming, you can master clear the system. Master clearing returns the entire system to default conditions.

NOTE: Do not do this unless you want to clear all of the programming.

Description: Returns entire system configuration to factory settings *and clears all stored auto and speed dial nwnbers.*

To Program:

1. Key in the password **I*746*** (this will get you into the main menu) and **RETURN**
2. Press 1 for System C.O.S. and **RETURN**
3. Press 1 for System Defaults and **RETURN**
4. Press 8 for Master Clear System Data and **RETURN**
5. **Press y to confirm and RETURN**
6. **Press CTRL C to return to main menu and RETURN**

2.

Programming The System

2.1 Using This Chapter

Programming the customer's new system is the most intricate and important aspect of the installer's job. Chapter Two deals only with the programming of the system, which means that you are setting the parameters ***that will be true for the entire system.*** **If you are unsure** whether or not you are programming the correct function, check the features chapter of **IMI66-107** for a full definition of **the** features. You should make a record of all your **programming** decisions--it will help you keep track of what you have done and will help you trouble-shoot any problem that might arise later. When you need to make a **record** of your **programming** decisions, use the records sections provided in the back of this manual.

- ***To Enter the System Class of Service menu, Press I on the Main menu.***

2.2 Defaulting The System

- *To Enter System Defaults menu, Press 1 on System C.O.S. menu.*

2.2.1 Default All System Data

Description: Returns all system C.O.S. values to default except for baud rate.

To Program:

1. Press 1 on System Defaults menu **and** RETURN
2. Press Y to confirm and RETURN
3. Press CTRL C to return to main menu or RETURN to go back to System C.O.S. menu.

2.2.2 Default All Line Data

Description: Returns **all** lines to default.

To Program:

1. Press 2 on System Defaults menu and RETURN
2. **Press Y to confirm and RETURN**
3. **Press CTRL C to return to main menu or RETURN** to go back to System C.O.S. menu.

2.2.3 Default All Station Data

Description: Returns all stations to default.

To Program:

1. Press 3 on System Defaults menu and RETURN
2. Press Y to **confirm** and **RETURN**
3. Press CTRL C to return to main menu or RETURN to go back to System C.O.S. menu.

2.2.4 Default Selected Station Data

Description: Returns selected stations to default.

To Program:

1. Press 4 on System Defaults menu and **RETURN**
2. **Enter** station numbers (10-57)
3. Press **CTRL** C to return to main menu or RETURN to go back to System C.O.S. menu.

2.2.5 Puke Dial on All Lines

Description: Makes all lines pulse dialing, not DTMF.

To Program:

1. Press 5 on System Defaults menu and RETURN
2. Press Y to confirm
3. Press **CTRL C** to return to main menu or **RETURN** to go back to System C.O.S. menu.

2.2.6 Tone Dial on AU Lines

Description: Makes all lines tone dial, **DTMF**.

To Program:

1. Press 6 on System Defaults menu and RETURN
2. Press Y to **confirm**
3. Press **CTRL C** to return to main menu or **RETURN** to go back to System C.O.S. menu.

2.2.7 Default Button Mapping on St&ions

Description: Returns all telephones to default

To Program:

1. Press 7 on System Defaults menu and RETURN
2. Press Y to **confirm**
3. Press **CTRL C** to return to main menu or **RETURN** to go back to System C.O.S. menu.

2.2.8 Master Clear System Data

Description Returns system to factory settings.

To Program:

1. Press 8 on System Defaults menu and RETURN
2. Press Y to **confirm**

2.2.9 Default Toll Restriction Tables

Description Returns all toll tables to default

To Program:

1. Press 9 on System Defaults menu and RETURN
2. Press Y to **confirm**
3. Press **CTRL C** to return to main menu or **RETURN** to go back to System C.O.S. menu.

2.3 System Options

- . *To Enter System Options menu, Press 2 on System C.O.S. menu.*

2.3.1 Voice / Tone First on Intercom

Description: Selects either voice or tone as standard intercom **signaling** method.

- To Program:**
1. Press 1 on System Options menu and RETURN
 2. Press 1 for Voice First
—OR—
Press 2 for Tone First and RETURN
 3. Press **CTRL C** to return to main menu, or RETURN to go back to previous menu.

2.3.2 Station Message Desk

Description: Assigns or clears one station port as the central message desk.

- To Program:**
1. Press 2 on System Options menu and RETURN
 2. Press 1 to clear Message Desk
—OR—
Press 2 to assign Message Desk Return
 3. Press **CTRL C** to return to main menu, or RETURN to go back to previous menu.

2.3.3 Change Extension Number of Station

Description: Gives a station flexible extension numbers from 2-4 digits.

- To Program:**
1. Press 3 on System Options menu and **RETURN**
 2. Enter old extension number and RETURN
 3. Enter new extension number and RETURN
 4. Press CTRL C to return to main menu, or RETURN to go back to previous menu.

2.3.4 Assign Pilot Number to Department

NOTE: See index for all department-level programming steps.

Description: Gives an entire department one extension number.

To Program:

1. Press 4 on System Options menu and RETURN
2. Enter department number and RETURN
3. Enter PILOT number and RETURN
3. Press CTRL C to return to main menu, or **RETURN** to go back to previous menu.

2.3.5 Music on Hold

Description: Enables or Disables the music on hold feature.

To Program:

1. Press 5 on System **Options** menu and RETURN
2. Press 0 to the Enable music on hold feature
—OR—
Press 1 to Disable the music on hold feature
3. Press **CTRL C** to return to main menu, or **RETURN** to go back to previous menu.

2.3.6 Do Not Disturb Inhibit

Description: Inhibits station users from setting do not disturb on their telephones.

To Program:

1. Press 6 on System Options menu and RETURN
2. Press 0 to Enable Do Not Disturb
—OR—
Press 1 to Disable Do Not Disturb
3. Press CTRL C to return to main menu, or RETURN to go back to previous menu.

2.3.7 Station Monitoring

Description: A **BLF** flashes at the programmed station when another station is receiving a call, and you can answer that call by selecting the flashing DSS.

To Program:

1. Press 7 on System Options menu and RETURN
2. Press 1 to Enable Station Monitoring
—OR—
Press 0 to Disable Station Monitoring
3. Press CTRL C to return to main menu, or RETURN to go back to previous menu.

2.3.8 Tandem Attendant

Description: Allows one or both attendants to receive timed hold recall and recall from transfer.

- To Program:**
1. Press 8 on System Options menu and RETURN
 2. Press 1 to Enable Tandem Attendants,
—OR—
Press 0 to Disable Tandem Attendants
 3. Press **CTRL C** to return to main menu, or RETURN to go back to previous menu.

2.3.9 Voice Mail Auto Transfer

Description: Enables immediate line transfer when voice mail unit is included with system.

- To Program:**
1. Press 9 on System Options menu and RETURN
 2. **Press** 1 to Enable Voice Mail Auto Transfer
—OR—
Press 0 to Disable Voice Mail Auto Transfer
 3. **Press CTRL C to return to main menu, or RETURN** to go back to previous menu.

2.3.10 Disable Stations

Description: Disables station ports.

- To Program:**
1. Press 10 on System Options menu and RETURN
 2. Press 1 to Enable stations and enter station number
—OR—
Press 2 to Disable stations and enter station number
 3. Press CTRL C to return to main menu, or RETURN to go back to previous menu.

2.3.11 System Alarm Reporting

Description: The system can send special system alarm code signals to selected stations' LCD screens.

- To Program:**
1. Press 11 on System Options Menu and RETURN
 2. Press 1 to Enable Alarm Reporting
—OR—
Press 0 to Disable Alarm Reporting
 3. Press **CTRL C** to return to main menu, or RETURN to go back to previous menu.

2.3.12 P.A.. Options

Description: Enables all PA options

- To Program:**
- 1 . Press 12 on System Options menu and RETURN
 2. Press 1 to Enable Direct Ringing and enter line number
—OR—
Press 2 to Disable Direct Ringing and enter line number
 3. Press 3 to Enable Delayed Ringing and enter line number
—OR—
Press 4 to Disable Delayed Ringing and enter line number
 4. Press 5 to Enable Night Ringing and enter line number
—OR—
Press 6 to disable Night Ringing and enter line number
 5. **Press 7** to Assign PA zones and enter zone number
—OR—
Press 8 to Clear PA zones and enter **zone** number
 6. Press 9 to Assign Audible Relay to PA
—OR—
Press 10 to Assign Audible Relay to station 17
 7. Press 11 to RETURN to previous menu.

2.3.13 SOHVA Tones

Description: You can set the number of SOHVA tones **from** one to six tone bursts. The default for this option is six.

- To Program:**
1. Press 13 on System Options menu and RETURN
 2. Enter number of SOHVA tones (1-6) and **RETURN**
 3. Press **CTRL C** to return to main menu, or RETURN to go back to previous menu.

2.4 System Timing

- To enter System Timing Menu, Press 3 on System C.O.S. menu.

2.4.1 Recall / Tap Time

Description: The system can generate either a line disconnect (Recall) or a shorter disconnect (Tap). Tap is used as a signaling device for **CENTREX** / PBX and is not a long enough signal to disconnect from the system

To Program:

1. Press 1 on System **Timing** menu and RETURN
2. Press 1-10 to select appropriate Recall / Tap time and RETURN
3. Press 11 to **RETURN** to previous menu.

2.4.2 Pause Time

Description: During Auto Dials and Speed Dials, it is sometimes necessary to include a pause in the middle of the dialing in order to give the receiving equipment enough time to receive the signals. **The** user includes a pause in setting an Auto Dial or Speed dial by pressing the HOLD button. The pause time determines the length of that pause.

To Program:

1. Press 2 on System liig menu and RETURN
2. Press 1-10 to select appropriate Pause time and **RETURN**
3. Press 11 to **RETURN** to previous menu

2.4.3. Timed Hold Recall Time

Description: After a call has been placed on hold for a set length of time, the system will recall the station that placed the call on hold

To Program:

1. Press 3 on System Timing menu and RETURN
2. Press 1-10 to select appropriate Timed Hold Recall time and RETURN
3. Press 11 to **RETURN** to previous menu

2.4.4. Transfer Recall Time

Description: A transferred call that remains unanswered after a set length of time will return to the transferring station for answering.

To Program:

1. Press 4 on System timing menu and RETURN
2. Press 1 • 10 to select appropriate Transfer Recall time and **RETURN**
3. Press 11 to **RETURN** to previous menu

2.4.5 Department Transfer Recall Time

NOTE: See index for Department-level programming steps.

Description: A call that is transferred to a department and remains unanswered after a set **length** of time will return to the transferring station for answering.

To Program:

1. Press 5 on System Timing menu and RETURN
2. Press **1-10** to select appropriate Department Transfer Recall time and RETURN
3. Press 11 to **RETURN** to previous menu

2.4.6 Call Park Recall Time

Description: A call that remains in a parking orbit for a set length of time automatically returns to a timed hold recall condition at the parking station.

To Program:

1. Press 6 on System Timing menu and RETURN
2. Press 1-7 to select appropriate Call Park Recall time and RETURN
3. Press **8** to **RETURN** to previous menu

2.4.7 DTMF Extended Dialing

Description: When a telephone user dials a number automatically (autodial, saved number **redial**, for example) **the** duration of the **DTMF** tones are determined by the user. This function is useful when automatically dialed numbers access answering machines or bank computers, for example, that require longer than standard **DTMF** tones.

To Program:

1. Press 7 on System **Timing** menu and RETURN
2. Press 1-13 to select appropriate **DTMF** Extended Dialing time and RETURN
3. Press **14** to **RETURN** to previous menu

2.5 Load / Save C.O.S. Data

- *To enter Load/Save C.O.S. Data menu, Press 4 on system C.O.S. menu*

NOTE: You must be using a computer to use these functions. These commands are specific to PROCOMM™ (Datastorm Technologies). Remember, Xmodem protocol requires 8 bit, 1 stop bit, in order to function.

2.51 Transmit C.O.S. Data Using Xmodem

Description: The COS data, as programmed in the DSU, can be automatically down-loaded to the computer file.

- To Program:**
1. Press 1 on Load / Save C.O.S. Data menu and RETURN
 2. Press PAGE DOWN
 3. Press 1 to choose Xmodem protocol
 4. Type file name for down-load C.O.S. data to save into
 5. **Press RETURN**

2.5.2 Receive C.O.S. Data Using Xmodem

Description: The COS data, as stored in the computer file, can be automatically uploaded to the DSU.

- To Program:**
1. Press 2 on Load / Save C.O.S. Data menu and **RETURN**
 2. Press PAGE UP
 3. Press 1 to choose Xmodem protocol
 4. Type filename of saved C.O.S. data
 5. **Press RETURN**

2.53 Transmit Auto Dial and Speed Dial Numbers Using Xmodem

Description: The **autodial** and speed dial numbers, as **programmed** in the DSU, can automatically be down-loaded to the computer file.

To Program:

1. Press-3 on **Load / Save C.O.S. Data menu and RETURN**
2. Press PAGE DOWN
3. Press 1 to choose Xmodem protocol
4. **Type** file name for down-load Speed Dial and Auto Dial data to save into
- 5 . **Press RETURN**

2.5.4 Receive Auto Dial and Speed Dial Numbers Using Xmodem

Description: The **autodial** and speed dial numbers, as stored in the computer file, can automatically be uploaded to the DSU.

To Program:

1. Press 4 on **Load / Save C.O.S. Data menu and RETURN**
2. Press PAGE UP
3. Press 1 to choose Xmodem protocol
4. Type filename of saved Auto Dial and Speed Dial data
- 5 . **Press RETURN**

2.6 Serial Communication Parameters

- To enter **Serial Communication Parameters menu**, press **5** on **System Class of Service menu**.

Description: Serial Communication Parameters for Channel A and B

NOTE: If you change either the baud rate or data and stop bits, you must also change them on the VDT.

- To Program:**
1. Press 1-9 to set appropriate baud rate and RETURN
 2. Press 10 or 11 for appropriate data and stop bits and RETURN
 3. Press 12 to switch to other channel and RETURN
 4. Repeat steps one and two for other channel
 5. Press 14 to return to previous menu

2.7 C.O.S. Data Printout

- *To enter C.O.S. Data Printout menu, press 6 on System Class of Service menu.*

Description: You can obtain a printout of your programming decisions.

To Program:

1. Press **1** to print all C.O.S. data and **RETURN**
2. Press 2 to print system C.O.S. data and **RETURN**
3. Press 3 to print all line C.O.S. data and **RETURN**
4. Press 4 to print selected line C.O.S. data and **RETURN**
5. Press 5 to print all station C.O.S. data and **RETURN**
6. Press 6 to print selected station data and **RETURN**
7. Press 7 to print toll restriction data and **RETURN**
8. Press 8 to **RETURN** to previous menu

2.8 Set Clock Date / Time

- *To enter Set Clock Date / Time menu, press 7 on System Class of Service menu..*

Description: The system will keep the time and date.

To Program: Enter the appropriate time, date and year (use military hours-18:00 = 6 o'clock P.M.)

2.9 SMDA Programming

- To enter SMDA Programming menu, press 8 on System **Class of Service** menu.

2.9.1 Costing Band Assignments

Description: Band assignments determine the priority levels of call costing, from area codes, to zone codes, to office codes.

To Program:

1. Press 1 on SMDA Programming menu and RETURN
2. Press 1 to Assign Office Codes to Bands and RETURN
3. Press 2 to Assign Area Codes to Bands and RETURN
4. Press 3 to Assign Area Codes and Office Codes to Zones and RETURN
5. Press 4 to Assign Entry for Leading Discard Digits and RETURN
6. Press 5 to Delete Entry for Leading Discard digits and RETURN
7. Press 6 to RETURN to previous menu and RETURN

2.9.2 Set Did Time Limit

Description: The system does not include dialing time when it records the time of a call for costing. You can program the amount of time that the system ignores for dialing.

To Program:

1. Press 2 on SMDA Programming menu and RETURN
2. Enter time and RETURN

2.9.3 Set Answer Time Limit

Description: The answer time allows a call to ring and be answered by the called party before the system costs it.

To Program:

1. Press 3 on SMDA Programming menu and RETURN
2. Enter time and RETURN

2.9.4 Define Department Numbers

NOTE: See index for Department-level programming steps.

Description: This feature determines what departments will be included in call costing reports.

To Program:

1. Press 4 on SMDA Programming menu and RETURN
2. Enter department number and RETURN
3. Enter department ID and RETURN

2.9.5 Assign Stations to Departments

NOTE: See index for Department-level programming steps.

Description: This feature determines what stations will be included in call costing reports.

To Program:

1. Press 5 on SMDA Programming menu and RETURN
2. Enter department number and RETURN
3. Enter Station numbers and RETURN

2.9.6 Account Codes

Description: The digital telephone system uses account codes to identify calls by category or by any other desired grouping. Account **codes** can be verified or not verified by the system-with verified account codes, the system compares the first three digits of the entered account code with the programmed account code numbers. If no match is found and the account code is optional, the system sounds an error tone through the telephone but does not prevent dialing. If forced entry is enabled, however, the system prevents further dialing until the **user enters** a matching code.

*NOTE: Even if you enable forced account code entry, users can always dial emergency numbers without entering an account code. For more information on account **code functions**, consult the features chapter in IMI66-107.*

To Program:

1. Press 6 on SMDA Programming menu and **RETURN**
2. Press 1 to Set Account Codes and RETURN
3. **Press** 2 to Clear Account Codes and RETURN
4. **Press** 3 to Enable Optional Account Codes With Verify and **RETURN**
5. **Press** 4 to Enable Optional Account Codes Without Verify and RETURN
6. Press 5 to Enable Forced Account Codes With Verify and RETURN
7. Press 6 to Enable Forced Account Codes Without Verify and RETURN
8. Press 7 to Disable Account Codes and RETURN
9. Press 8 to Enable Display for Incoming Calls and **RETURN**
10. **Press** 9 to Disable Display for Incoming Calls and **RETURN**
11. Press 10 to Enable Display for Outgoing Calls and **RETURN**
12. **Press** 11 to Disable Display for Outgoing Calls and RETURN
13. Press 12 for Account Code Message Display Tii and **RETURN**
14. Press 13 to set Maximum Account Code Length and **RETURN**
15. **Press** 14 to Verify Number of Digits and RETURN
16. Press 15 to Set Emergency Numbers and RETURN
17. Press 16 to Clear Emergency Numbers and RETURN
18. Press 17 to Display Emergency Numbers and **RETURN**
19. Press 18 to **RETURN** to Previous menu and **RETURN**

2.9.7 Call Cost Table

NOTE: For LCD Costing, see page 25.

Description: The system compares local and long distance calls that do not match entries in any exception or banding tables with entries made in call costing table. It then costs those calls accordingly.

To Program:

1. Press 7 on SMDA Programming menu and RETURN
2. Enter Call Cost Table number and RETURN
3. Press 1 to enter Match Digits and RETURN
4. Press 2 to Set Tier 1 **time** and RETURN
5. **Press 3** to Set Tier 1 rate and RETURN
6. Press 4 to Set Tier 2 rate and RETURN
7. Press 5 to Set Surcharge and RETURN
8. **Press 6** to Change Call Cost Tables and RETURN
9. **Press 7 to RETURN** to previous menu and RETURN

2.9.8 Call Cost Exception Tables

Description: The system first compares all calls to **entries** in four exception **tables**; these **tables** provide the first priority level of call costing.

To Program:

1. Press 8 on SMDA **Programming** menu and RETURN
2. **Press 1** to Add an Exception Entry and RETURN
3. Press 2 to Clear an Exception entry and RETURN
4. **Press 3 to RETURN** to previous menu and RETURN

2.9.9 Automatic Reports

Description: The system generates reports automatically for printing whenever it detects that its records storage area is 95 percent full. You can program the system to generate a particular report- The system will generate the reports for printing in the order that you selected at a certain time each day. You can also program the system to delete all printed records except for those it collects during the printing operation.

To Program:

1. Press 9 on SMDA Programming menu and RETURN
2. Press 1 to Set Auto Report **Time** and RETURN
3. Press 2 to Enable or Disable Station Reports and RETURN
4. Press 3 to Enable or Disable Account Reports
5. Press 4 to Enable or Disable Line Reports
6. Press 5 to Enable or Disable Department Reports and RETURN
7. Press 6 to Enable or Disable All Detail Records and RETURN
8. Press 7 to Enable or Disable Departmental Calling Distribution Reports and RETURN
9. Press 8 to Delete Records and RETURN
10. Press 9 to Display Auto Report Definition and RETURN
11. Press **10 to RETURN** to previous menu and RETURN

2.9.10 SMDA Delete By Attendant

Description: **The** attendant can delete SMDA records when they exceed storage capacity.

To Program:

1. Press 10 on SMDA Programming menu and **RETURN**
2. **Press** 1 to enable, or 0 to disable and **RETURN**

2.9.11 SMDA Reports

Description: **These** reports **are** printed immediately

NOTE: For further definitions of SMDA report functions see the features chapter of IMI66-107.

To Program:

1. Press 11 on SMDA Programming menu and **RETURN**
2. **Press** 1 for Selected Station Port and **RETURN**
3. **Press** 2 for Station Reports and **RETURN**
4. **Press** 3 for Account Reports and **RETURN**
5. Press 4 for Line Reports and **RETURN**
6. Press 5 for Department Reports and **RETURN**
7. **Press** 6 for All Detail Records and **REKJRN**
8. Press 7 for Departmental Calling Distribution Reports and **RETURN**
9. Press 8 to Display Number of Free Records and **RETURN**
10. Press 9 to Delete Records (After Next Print) and **RETURN**
11. **Press 10 to Start Printing Report and RETURN**
12. **Press** 11 to Stop Printing Report and **RETURN**
13. **Press 12 to RETURN** to previous menu and **RETURN**

2.10 SMDR **Print** Parameters

- *To enter SMDR Printing menu, Press 9 on System **Class of Service** menu.*

Description: **The SMDR** feature generates a call record for printing as soon as the system collects the records.

To Program:

1. Press 1 to Enable SMDR Printing With Costing and **RETURN**
2. **Press** 2 to Enable SMDR Printing Without Costing and **RETURN**
3. **Press** 3 to Disable **SMDR Printing** and **RETURN**
4. **Press 4 to RETURN** to previous menu

2.11 Logical / Physical Assignments — stations

- *To enter the Logical/Physical Assignments — Stations menu, Press 10 on the System Class of Service menu.*

Description: You can assign all of the programming attributes of one station to a different port without reassigning all of the features separately.

To Program:

1. Press 1 to Display Current Assignments
2. **Press 2** to Assign Station to Port
3. **Press 3** to return to previous menu

2.12 Logical / Physical Assignments — Lines

- *To enter the Logical/Physical Assignments — Lines menu, Press 11 on System Class of Service menu.*

Description: You can assign all of the programming attributes of one line port to a different line port.

To Program:

1. Press 1 to Display Current Assignments
2. **Press 2** to Assign Logical to Physical
3. **Press 3** to return to previous menu

2.13 Automatic Set Relocation

- *To enter the Automatic Set Relocation menu, Press 12 on System Class of Service menu*

Description: The system will automatically recognize a station should that station be relocated to a different port It will keep all of the original station programming and transfer those attributes to the new station location.

To Program:

1. Press 1 to Enable Auto Station Relocation, or press 0 to Disable Auto Station Relocation
2. RETURN to previous menu

2.14 Feature Inhibit Programming

- *To enter Feature Inhibit Programming menu, press 13 on the System Class of Service menu.*

Description: All of the functions on the Feature Inhibit Programming Menu disable the feature.

To Program: Press the number of the feature you wish to disable.

- | | |
|----------------------------------|----------------------------------|
| 1. Line Croup 1 | 19. Diited Station Hold |
| 2. Line Croup 2 | 20. Call Park Orbit 1 |
| 3. Line Group 3 | 21. CallParkOrbit2 |
| 4. LineGroup | 22. Call Park Orbit 3 |
| 5. Zone Paging 1 | 23. Call Park Orbit 4 |
| 6 Zone Paging 2 | 24. Call Park Orbit 5 |
| 7 Zone Paging 3 | 25. CallParkOrbit6 |
| 8. All Call | 26. Call Park Orbit 7 |
| 9. Meet Me Page | 27. Call Park Orbit 8 |
| 10. Night Transfer | 28. Call Park Orbit 9 |
| 11. Background Music | 29. Call waiting |
| 12. Voice Announce Block | 30. LCD Messaging |
| 13: Message Waiting | 31. Executive Override |
| 14. Call Pickup | 32. Account Code |
| 15. Call Forward | 33. Personal Call Forward |
| 16. Automatic Call Back | 34. Return To Previous Menu |
| 17. Station to Station Messaging | |
| 18. Line Croup Queue | |

2.15 Enable All Inhibited Features

- *To Enable All Inhibited Features, press 14 on the System Class of Service menu and press Y to **confirm**.*

2.16 LCD Messages

- To enter the **LCD Messages** menu, Press 15 on the System Class of Service menu

2.16.1 Display Current Messages

Description: Menu will display LCD messages.

To Program:

1. Press 1 on LCD Messages menu and Return
2. Press RETURN to to go back to System C.O.S. menu

2.16.2 Enter A Custom Message

Description: You can create a custom message that will display on a calling station's LCD, " AM SLEEPING," for example.

To Program:

1. Press 2 on LCD Messages menu and RETURN
2. **Press** message number and **RETURN**
3. Type message and **RETURN**
4. Press RETURN to to go back to System C.O.S. menu

2.16.3 Enter the "BACK AT" Message

Description: Will display "back at" time when a station receives LCD message.

To Program:

1. **Press** 3 on LCD Messages menu and RETURN
2. Press message **number** and RETURN
3. Press RETURN to to go back to System C.O.S. menu

2.16.4 Enter the "CALL" Message

Description: Will display a "call" message when a station receives LCD message.

To Program:

1. Press 4 on LCD Messages menu and RETURN
2. Press message number and **RETURN**
3. Press **RETURN** to go back to System C.O.S. menu

2.16.5 Enter an LCD Message

Description: Will clear an LCD message.

To Program:

1. Press 5 on LCD Messages menu and RETURN
2. Press message number and RETURN
3. Press RETURN to go back to System C.O.S. menu

2.17 Specialized Route Access

- *To enter the Specialized Routed Access menu, press 16 on System C.O.S programming*

2.17.1 Specialized Route Access Feature

Description: This feature allows the system to select a line group based on the digits the user has dialed; The system then selects the best route for that call.

To Program:

1. Press 1 on Specialized Routed Access menu and RETURN
2. Press 1 to Enable feature, 0 to Disable

2.17.2 Assign Line Group Number To Office Code Table

Description: The office code table matches a dialed office code with one of the dialed office codes that you have entered into the table and routes the call over the line group that you have entered for that office **code**.

To Program:

1. Press 2 on Specialized Routed Access menu and RETURN
2. Press Line Group Number
3. Enter **Office Code(s)**

2.17.3 Assign Line Group Number To Area Code Table

Description: The area code table matches a dialed area code with one of the area codes that you have entered into the table and routes the **call** over the line group that you have entered for that area code.

To Program:

1. Press 3 on Specialized Routed Access menu and RETURN
2. Press Line Group Number
3. Enter **Area Code(s)**

2.17.4 Assign Line Group Number To Special Table

Description: The four special area **code** tables must first match a dialed area code and then match a dialed office code. When a complete match is found, the system routes the call over the line group that you have assigned to the matched office code in the matched area code table.

To Program:

1. Press 4 on Specialized Routed Access menu and **RETURN**
2. Press **S.R.A.** Special Table Number (1-4)
3. Press Line Group Number
4. Enter **Office Code(s)**

2.17.5 Overflow Line Group

Description: You can assign an overflow line group that the system can use to route calls over when no lines are free in the line group assigned to the matching entry. If you haven't assigned an overflow line group, the system will ring busy if no lines are free.

To Program:

1. Press 5 on Specialized Routed Access menu and RETURN
2. Enter **S.R.A.** Overflow Line Group (**0-4, 0** = none)

2.17.6 Assign Area Code

Description: The area code table matches a dialed area code with one of the area codes that you have entered into the table and routes the call over the line group that you have entered for that area code.

To Program:

1. Press 6 on Specialized Routed Access menu and RETURN
2. Enter SRA. Special Table Number (1-4)
3. Enter Area Code

2.17.7 Clear Area Code

Description: You can clear an area code from a table with this feature.

To Program:

1. Press 7 on Specialized Routed Access menu and RETURN
2. Enter SRA. Special Table Number (1-4)

2.17.8 Assign Insert Digit

Description: You can program the system, on a per-line basis, to insert up to six digits before a dialed number. **This** feature is useful if the dialed number must match a **specific** format for the line group being used

To Program:

1. Press 8 on Specialized Routed Access menu and RETURN
2. Enter Line Group Number
3. Enter SRA. Insert Digit (s)

2.17.9 Clear Insert Digit

Description: Clear insert digits with this feature.

To Program:

1. Press 9 on Specialized Routed Access menu and RETURN
2. Enter **Line** Group Number

2.17.10 SRA Wait Time

Description: Once a caller begins to dial digits, he or she has a certain period of time in which to dial each new digit.

To Program:

1. Press 10 on Specialized Routed Access menu and RETURN
2. Press **2, 3,** or 4 for the number of seconds and RETURN

2.18 Software Version Number

- *To display the Software Version of your program, press 17 on the System Class of Service menu.*

3.

Programming The Lines

3.1 Using This Chapter

Chapter Three deals only with the programming of the lines, which means that you are setting the parameters *that will only be true for the individual line programmed*. If you are unsure whether or not you are programming the correct function, check the features chapter in MM-107 for a full definition of the features. You should make a record of all your programming decisions -it will help you keep track of what you have done and will help you **trouble-shoot** any problem that might arise later. When you need to make a record of your programming decisions, use the records sections provided in the back of this manual.

- *To enter Line Class of Service menu, press 2 on Main menu.*

3.2 Line Type

Description: You can use this feature to program the type of line, **CO/PABX**, for example, that you wish to assign.

- To Program:
1. Press 1 on Line menu and RETURN
 2. Press 1 to Disable a line and RETURN
 3. Press 2 to assign an Auxiliary port and RETURN
 4. Press 3 to assign a CO/PABX and RETURN
 5. Press 4 to return to Previous menu

3.3 Line Assignment

Description: You can group outside lines of the same type together for dial-up outgoing access.

NOTE: When you group lines you automatically arrange the system for hybrid operation. Remember, hybrid operation may incur a higher monthly tariff than a key system operation. Ask the local telephone company for details.

- To Program:
1. Press 2 on Line menu and RETURN
 2. Press 1 to assign to Group 1 and RETURN
 3. Press 2 to assign to Group 2 and RETURN
 4. Press 3 to assign to Group 3 and RETURN
 5. Press 4 to assign to Group 4 and RETURN
 6. Press 5 to Clear all Assignments and RETURN
 7. Press 6 to return to Previous menu

3.4 Line Dialing Mode

Description: You must select either tone or pulse dial for each line.

To Program:

1. Press 3 on Line menu and RETURN
2. Press 1 for Pulse Dial and RETURN
3. Press 2 for Tone Dial and RETURN
4. Press 3 to return to Previous menu

3.5 Line Privacy Release

Description: A particular line can be programmed with privacy release, meaning that one other station can join that privacy release line at any time during a call. Lines are automatically private unless otherwise programmed.

To Program:

1. **Press 4 on Line menu and RETURN**
2. Press 1 to Disable privacy Release and RETURN
3. Press 2 to Enable Privacy Release and RETURN
4. Press 3 to return to Previous menu

3.6 Toll Restriction Table Assignments

*NOTE: For further **information** on Toll **Restrictions**, see module 5 in this publication)*

Description: After you have constructed a toll restriction table, you must assign it to the appropriate line(s).

To Program:

1. **Press 5 on Line menu and RETURN**
2. Press 1 to Clear Line Toll Restriction Table Assignments and RETURN
3. **Press 2** to Assign Line to Toll Restriction Tables and RETURN
4. Press 3 to return to Previous menu

3.7 Line Abandoned Hold Release Time

Description: When a distant party hangs up on a held call, the central office will send a forward disconnect signal to the digital telephone system. **Find** out from the telephone company what the signal length is and program all of the central office line ports to match it.

To Program:

1. **Press 6 on Line menu and RETURN**
2. Press 1 for 350 ms. and RETURN
3. **Press 2 for 50 ms. and RETURN**
4. Press 3 to return to Previous menu

3.8 Set Up a Line

Description: You can take the parameters from one line and assign them to other lines.

To Program:

1. Press 7 on Line menu and RETURN
2. Enter model line number and RETURN
3. Enter program line number and RETURN
4. Press RETURN to go back to Previous menu

3.9 Assign Name

Description: You can name lines as to their function. Names such as WATS or CO, for example, appearing on an LCD speakerphone display make it easier for the station user to identify a line. A line name can be up to five characters long.

To Program:

1. Press 8 on Line menu and RETURN
2. Press 1 to Assign Name and RETURN
3. Press 2 to Remove a Name and RETURN
4. Press 3 to return to Previous menu

3.10 Assign Line to Department

NOTE: See index for Department-level programming steps.

Description: You can group stations into departments and then assign certain lines to those departments so that all stations in a department can access that line.

To Program:

1. Press 9 on Line menu and RETURN
2. Press 1 to Assign Line to Department and RETURN
3. Press 2 to Remove Line from Department and RETURN
4. Press 3 to return to Previous menu

3.11 Exclusive Hold

Description: Exclusive Hold prevents a telephone user at one station from picking up a call that a user placed on hold at another station.

To Program:

1. Press 10 on Line menu and RETURN
2. Press 0 to Enable Exclusive Hold for all lines and RETURN
- OR—
2. Press 1 to Disable and RETURN
3. Press RETURN to go back to previous menu

3.12 Voice Mail Line ID.

NOTE: See index for Department-level programming steps.

Description: When you have included a voice mail system with the digital telephone system, assign voice mail identification numbers to the lines. A voice mail ID number can contain up to a maximum of six digits. A voice mail ID number allows the voice mail equipment to identify which line it is answering, regardless of the voice mail port that answered it.

To Program:

1. Press 11 on **Line** menu and RETURN
2. Enter Line number and RETURN
3. Enter Voice Mail ID. Line

3.13 D.I.S.D. Assignments

Description: The D.I.S.D. feature allows an external party to call an intercom station directly without assistance by the attendant. The system must receive the **D.I.S.D** call on a line that you have programmed to allow. this feature. You can program any line to be a D.I.S.D. **line** for both the normal mode of operation and for night transfer.

NOTE: For more detailed definitions of D.I.S.D. functions, see the features chapter of IMI66-107.

To Program:

1. **Press** 12onLinemenuandRETURN
2. Press 1 for D.I.S.D. Incoming Rings Day and RETURN
3. **Press** 2 for D.I.S.D. Incoming Rings Night and **RETURN**
4. **Press 3 for D.I.S.D. Dial Time and RETURN**
5. **Press 4** for D.I.S.D. Assist Station Day and RETURN
6. Press **5** for D.I.S.D. Assist Station Night and RETURN
7. **Press 6** to return to Previous menu

3.14 Caller ID. Assignments

Description: The central office sends caller ID data over lines that it has assigned to the Caller **ID** service. After being received and decoded by the external caller ID decoder device, the caller ID information is displayed at a system LCD speakerphone. **This** function will only work if you have assigned the station to the caller **ID** service and then arranged the line to ring audibly at that station. **The** user must be able to answer a call by pressing a button for the ringing incoming line or one that is transferred to the station in order for **caller ID** to **work**.

To Program:

1. Press 13 on Line menu and RETURN
2. Press 1 to Assign Caller ID. to Lines
3. **Press 2** to Remove Caller ID. from Lines
4. **Press 3** to Assign Caller ID. to Stations
5. **Press 4** to Remove Caller ID. from Stations
6. Press 5 to Define Local Area Code for Dial
7. **Press 6** to Define Local Office Codes for Dial
8. Press 7 for Audible First Ring Option
9. Press 8 for Caller ID. Distribution Option

4.

Programming The Stations

4.1 Using This Chapter

Chapter Four deals only with the programming of the stations, which means that you are setting the parameters *that will only be true for the individual station programmed*. If you are unsure whether or not you are programming the correct function, check the features chapter of **IMI66-107** for a full definition of the features. You should make a record of all your programming decisions-it will help you keep track of what you have done and will help you trouble-shoot any problem that **might** arise later. When you need to make a record of your programming decisions, use the records sections provided in the back of this manual, or print out C.O.S. to printer port for a hard copy.

- *To enter Station Class of Service menu, press 3 on Main menu.*

4.2 Set up a Station (Using A Model)

Description: You can one station's parameters and copy them to other stations.

- To Program:**
1. Press **1** on Station menu and **RETURN**
 2. Enter Model Station Number and **RETURN**
 3. Enter Program Station Number(s) and **RETURN**
 4. Press **RETURN** to go back to previous menu

4.3 Assign Name To Station

Description: You can assign individual names or category names to a station. These names will **then** be displayed by LCD speakerphones when they are called by named stations.

- To Program:**
1. Press **2** on Station menu and **RETURN**
 2. Press **1** to Assign Name and **RETURN**
 3. Press **2** to Remove Name and **RETURN**
 4. Press **3** to return to previous menu

4.4 Assign Station to A Department

Description: You can group stations into departments that may share similar lines or features.

To Program:

1. Press 3 on Station menu and RETURN
2. Press 1 to Assign Station to a Department and RETURN
3. Press 2 to Assign Station to a Department Overflow Position and RETURN
4. **Press 3** to Remove a Station and RETURN
5. Press 4 to return to previous menu

4.5 Assign Station to SOHVA

Description: **This** feature arranges station ports to originate and / or receive SOHVA calls by assigning SOHVA calling **groups** to them.

To Program:

1. Press 4 on Station menu and RETURN
2. Enter SOHVA group number and **RETURN**
3. Enter Station number (s) and RETURN
4. Press RETURN to go back to previous menu

4.6 Line / Intercom Features

- *To enter Line /Intercom Features menu, press 5 on **Station** menu.*

4.6.1 Prime Line

Description **The** station automatically selects the prime line for use when the user goes off hook.

To Program:

1. Press 1 on Line / Intercom menu to Assign Prime Line and RETURN
2. **Press 2** to Assign Prime Line Group and RETURN
3. **Press 3** to Assign Intercom as Prime Line and RETURN
4. Press 4 to Clear Prime Assignment and RETURN
5. **Press 5** to return to previous menu

4.6.2 Ringing Line Preference

Description When you assign **this** feature to a station, it will automatically answer a ringing line when its user takes it off hook

To Program:

1. Press 2 on Line / Intercom **menu** to Assign Prime Line and **RETURN**
2. Press 1 to Enable Ringing Line Preference and **RETURN**
3. Press 2 to Disable Ringing Line Preference and RETURN
4. Press 3 to return to previous menu

NOTE: Use of tri-color LED's requires that you program Ringing and Ringing Line Preference at a station.

4.6.3 Line Access Deny

Description You can deny access to certain lines at certain stations.

To Program:

1. Press 3 on Line / Intercom menu to Deny Access and RETURN
2. **Press 1** to Enable Line Access Deny and RETURN
3. Press 2 to Disable line Access Deny and RETURN
4. **Press 3** to return to previous menu

4.6.4 Line Originate Deny

Description You can program a station to be able to only answer a line and not be able to call out on it.

To Program:

1. Press 4 on Line / Intercom menu to Originate Line Access and **RETURN**
2. Press 1 to Enable Line Origination to Line Deny and RETURN
3. Press 2 to Disable **line** Origination to Line Deny and RETURN
4. Press 3 to **return** to previous menu

4.6.5 Idle Line Preference

Description When you enable idle line preference, a station will automatically **connect** to any assigned and idle line that you **have** programmed for this **purpose**.

To Program:

1. **Press 5** on **Line** /Intercom menu to set Idle Line Preference and **RETURN**
2. Press 1 to Enable Idle Line Preference and **RETURN**
3. Press 2 to Disable Idle **Line** Preference and **RETURN**
4. **Press 3** to return to previous menu

4.6.6 Block Voice Announce Intercom

Description This feature allows a station user to block voice announced intercom calls.

To Program:

1. Press 6 on Line / Intercom menu to Block Voice Announce and **RETURN**
2. Press 1 to Enable Voice Block and RETURN
3. Press 2 to Disable Voice Block and RETURN
4. **Press 3** to return to previous menu

4.6.7 Station Audible Monitoring

Description **The DSS/BLF** at a multiline station provides a visual indication of idle, busy, and ringing status of the monitored stations.

To Program:

1. Press 7 on Line / Intercom menu for Station Audible Monitoring and RETURN
2. Press 1 for Direct Ringing and **RETURN**
3. Press 2 for Delayed Ringing and **RETURN**
4. **Press 3** to Disable Audible Monitoring and RETURN
5. Press 4 to return to previous menu

4.7 Ringing Assignment

- To enter Ringing Assignment menu, press **6** on Station menu.

4.7.1 Personal Ringing tone

Description You can program stations to ring in one of six distinctive tones.

- To Program:**
1. Press 1 on Ringing Assignment menu and RETURN
 2. Press 1 for Ringing tone 1 and **RETURN**
 3. **Press 2** for Ringing tone 2 and RETURN
 4. **Press 3** for Ringing tone 3 and RETURN
 5. **Press 4** for Ringing tone 4 and **RETURN**
 6. Press 5 for Ringing tone 5 and **RETURN**
 7. **Press 6** for Ringing tone 6 and **RETURN**
 8. **Press 7** to return to previous menu

4.7.2 Direct/Delayed Ringing

Description You must program ringing assignments on a per station basis. Direct ringing **rings** immediately at a station and delayed ringing rings after a set interval of time.

- To Program:**
1. Press 2 on Ringing **Assignment** menu and RETURN
 2. Press 1 to Enable Direct Ringing and RETURN
 3. Press 2 to Disable Direct Ringing and RETURN
 4. Press 3 to enable Delayed Ringing and **RETURN**
 5. **Press 4** to disable Delayed Ringing and RETURN
 6. **Press 5** to return to previous menu

4.7.3 Night Ringing

Description You must program ringing assignments on a per station basis. **The** system will activate special line/station ringing assignments when set for night ringing.

- To Program:**
1. Press 3 on Ringing Assignment menu and RETURN
 2. Press 1 to Enable Night Ringing and RETURN
 3. Press 2 to Disable Night Ringing and RETURN
 4. Press 3 to return to previous menu

4.7.4 Distinctive Ringing for ATI

Description Intercom calls that ring at equipment connected through an **ATI-D** have a different cadence than outside calls have. If needed, you can disable this distinctive ringing feature to make the intercom ring cadence the same as that for outside calls.

- To Program:**
1. **Press 4 and RETURN**
 2. Press 1 to Enable Distinctive Ringing and RETURN
 3. **Press 0** to Disable Distinctive Ringing and **RETURN** .

4.8 Button Mapping

NOTE: For Button Locations and Function Attributes see page 51–55 of this manual

Description: You can assign (map) every programmable button on every electronic telephone. For more information on button mapping see **IMI66–107**.

To Program:

1. Press 7 on Station menu and RETURN
2. Enter **Station Number**
3. Select desired button (Press RETURN until button appears)
4. Enter desired attribute and RETURN
5. Enter next station or press CTRL C to return to main menu

4.9 Toll Restriction Administration

NOTE: For further information on Toll Restrictions, see the Toll Restriction module in this publication.

Description: After you have created a toll table, you must assign it to the appropriate lines and stations.

To Program:

1. Press 8 on **Station menu** and RETURN
2. Press 1 for Toll Restriction Table Assignment and RETURN
3. Press 2 for Night Mode Toll Restriction and RETURN
4. Press 3 for System Speed Dial Toll Restriction and RETURN
5. Press 4 for Toll Restriction Override
6. Press 5 to return to previous menu

4.10 Automatic Busy / RNA Call Forwarding

Description: The system can automatically forward busy and ring-no answer intercom calls or transferred outside calls that callers make to one station to a different station for answering. **The** system sends these **calls** to any idle station associated **with** an intercom hunt group or by department **with** the called station.

NOTE: If you enable this feature, choose tone dialing when you program the system intercom signaling (See-2.3.1).

To Program:

1. Press 9 on Station menu and RETURN
2. **Press** 1 to Assign a Hunt Group and RETURN
 - a. Press 1 to Enable and RETURN
 - b. Press 2 to Disable and RETURN
 - c. Press 3 to return to previous menu
3. **Press** 2 for Call Forward RNA and RETURN
 - a. Enter number of rings and RETURN
 - b. Enter station number (s) and RETURN
4. Return to previous menu

4.11 Miscellaneous Feature Programming

- *To enter the **Miscellaneous Feature Programming** menu, press 10 on the Station Class of Service menu.*

Description: All of the features on the Miscellaneous Feature Programming menu are **toggle-on toggle-off**, or Enable – Disable, except for “All Call Zone **Paging**,” which has the following sub menu

To Program:

1. Press 8 and RETURN
2. Press 1 to clear Assignments and RETURN
3. Press 2 to Assign Receive **Zone**,and RETURN
4. Press 3 to Assign Originate Zone
5. Press 4 to return to previous menu

Miscellaneous Feature Programming

To Program:

1. Automatic Privacy Release
2. Line Auto Hold
3. Intercom Auto Hold
4. **Thru** Dialing/ **ATI**
5. Executive **Override**
6. Do Not Disturb Override
7. Service Observing
8. All-Call and Zone Paging
9. Message Wait Originate
10. Head Set Mode
11. Croup Call Pickup
12. SOHVA
13. Data Security Ports
14. LCD Call Costs
15. Americom Dynamic Line Keys
16. System Alarm Receive
17. Unobservable Station
18. Voice Mail Transfer on Busy for Station
19. Voice Mail Port
20. Assign Second DSS Console to a Station
21. Americom Soft Keys
22. Return to Previous Menu

4.12 Speakerphone Coefficients

- *To enter the Speakerphone Coefficients menu, press 11 on the Station Class of Service menu.*

Description: CAUTION: *This is a technical services function only; it is not recommended for field service use.*

To Program:

1. Press 1 to Read Speakerphone Coefficients
2. **Press 2** to Modify Speakerphone Coefficients
3. **Press 3** to Save Speakerphone **Coefficients**
4. **Press 4** to return to previous menu.

5.

Toll Restriction Table Administration

NOTE: *The functions on this menu only create and clear toll tables. For complete information on toll tables see the toll table module in this publication (page 28).*

- . *To enter the Toll Restriction Table Administration menu, press 4 on the Main menu.*

5.1 Build / Modify an Allow Table

Description: An allow table establishes those numbers that will be allowed, as exceptions against deny tables, for dialing, 1-800, for example, when 1 is denied.

- To Program:**
1. **Press 1 and RETURN**
 2. Enter Toll Table Number and RETURN
 3. Enter Toll Table Entry Number and RETURN
 4. Enter Digit (s) and RETURN
 5. **Press RETURN** to go back to previous menu

5.2 Build / Modify a Deny Table

Description: A deny table establishes those numbers that will not be allowed for dialing, 1-900, for example.

- To Program:**
1. **Press 2 and RETURN**
 2. Enter Toll Table Number and RETURN
 3. Enter Toll Table Entry Number and RETURN
 4. Enter Digit (s) and **RETURN**
 5. Press RETURN to go back to previous menu

NOTE: *The # sign is used as any digit.*

5.3 Clear a Table / Entry

Description: This function clears an established toll table.

- To Program:**
1. **Press 3 and RETURN**
 2. Press 1 **to Clear an Entry**
 - a. Enter Toll Table Number and RETURN
 - b. Enter Toll Table Entry Number and RETURN
 - c. **Press RETURN** to go back to previous menu
 3. **Press 2** to Clear a Table
 - a. Enter Toll Table Number and RETURN
 - b. Press **RETURN** to go back to previous menu

5.4 Toll Restriction— Programming Steps

This module explains the many different steps involved in programming for Toll Restrictions. It also serves as an excellent example of the occasional need to move from one menu to another in order to completely program a particular function. (If you are unsure about whether you have done all of the necessary programming for a particular function, check the index-in the back of this book -for further references to that function.)

5.4.1 Create The Table

Description: Step one is to create the Toll Table (See-5.1). From Main menu, press 4.

To Program:

1. Build / Modify an Allow Table
2. Build /Modify a Deny Table
3. Clear a Table / Entry

5.4.2 Assign Toll Table To A Line

Description: Once you have created the desired “Allow” and “Deny” Tables, you must assign them to the appropriate line (**See—3.6**). From Line Class of Service menu, press 5.

To Program:

1. Press 1 to Clear Line Toll Restriction Table
2. **Press 2** to Assign Line to Toll Restriction Table

5.4.3 Assign Toll Table To A Station

Description: After assigning the toll table to a line, you must then assign it to the desired station (s) (Sd.9). From Station Class of Service menu, press 8.

To Program:

1. Press 1 for Toll Restriction Table Assignment
2. Press 2 for Night Mode Toll Restriction
3. **Press 3** for System Speed Dial Toll Restriction

6.

Information

- To enter the **Information** menu, press 5 on the Main menu.

NOTE: The information menu provides *explanations* about the key functions of your VDT (see the Programming Procedure section of this manual, page 1).

Description: The following is a list of the items found on the help menu.

special **Characters**

@ — Prints current menu.

Backspace, delete, **rubout** - deletes **previous** character from input line.

Control D — deletes current input line

Control R — prints current input line

Control S — stops printing

Any Character — starts printing, stopped by **Control S**.

Toll **Restriction** Tables are 1-9 and A-G.

Enter Control C to **abort** and return to Main menu.

Enter carriage return to terminate data input.

7.

Programming Records

Tone / Voice Signaling	Enable	Disable
<i>Default = Tone</i>		

7.1 System Programming—Miscellaneous Features

Data Baud Rate	A	B
110 Baud		
150 Baud		
300 Baud		
600 Baud		
1200 Baud		
2400 Baud		
4800 Baud		
9600 Baud		
19200 Baud		
7 Data / 2 Stop Bit		
8 Data / 1 Stop Bit		
<i>Default = 300 Baud 7 Data / 2 Stop Bits</i>		

Automatic Set Relocation	Enable	Disable
<i>Default = Disable</i>		

System Alarm Reporting	Enable	Disable
<i>Default = Disable</i>		

Tandem Attendant	Enable	Disable
<i>Default = Disable</i>		

Exclusive Hold	Enable	Disable
<i>Default = Enable</i>		

Station Monitoring		
Visual Ring Indication	Enable	Disable
Audible Ring Indication, Stations 10-57		
<i>Default = Visual Indication Disabled, No Audible Indication, Assigned</i>		

PA Options				
Direct Ringing Lines (1-24)				
Delayed Ringing Lines (1-24)				
Night Ringing Lines (1-24)				
Zone Paging Enabled	Zone 1	Zone 2	Zone 3	All Call
Ringling Port Relay Tracking	Station 17		Paging Port	
<i>Default = No Ringing Lines, All-Call Paging Station 17 Ringing</i>				

LCD Messages										
Msg. Loc.	Message number									
	01	02	03	04	05	06	07	08	09	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Default: 1 = BACK AT, 2 = CALL

System Speed Dial Record				(Be sure to record a line or line group number with each speed dial number.)			
LOC	NUMBER	LOC	NUMBER	LOC	NUMBER	LOC	NUMBER
01		26		51		76	
02		27		52		77	
03		28		53		78	
04		29		54		79	
05		30		55		80	
06		31		56		81	
07		32		57		82	
08		33		58		83	
09		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75			

7.2 System Programming - Timing Features

Recall/Flash Time	.08 sec	.30 sec	.50 sec	.60 sec	.75 sec	.88 sec	1.0 sec	1.5 sec	2.0 sec	2.5 sec
<i>Default = 2 seconds</i>										

Pause Tie	.5 sec	1.0 sec	1.5 sec	2.0 sec	3.0 sec	5.0 sec	7.5 sec	10 sec	15 sec	20 sec
<i>Default = 1 second</i>										

Timed Hold Recall Time	30 sec	60 sec	90 sec	120 sec	180 sec	240 sec	300 sec	360 sec	420 sec	Never
<i>Default = 60 seconds</i>										

Unanswered Call Transfer Recall Time	10 sec	20 sec	25 sec	30 sec	45 sec	60 sec	90 sec	120 sec	180 sec	240 sec
<i>Default = 20 seconds</i> <input type="checkbox"/> For Stations										

Unanswered Call Transfer Recall Tie	10 sec	20 sec	25 sec	30 sec	45 sec	60 sec	90 sec	120 sec	180 sec	240 sec
<i>Default = 20 seconds</i> <input type="checkbox"/> For Deaprtments										

Call Park Recall Time	1 min	2 min	3 min	4 min	5 min	6 min	Never
<i>Default = 2 minutes</i>							

Extended DTMF Tones For Automatic Dialing		
60 msec	240 msec	560 msec
80 msec	320 msec	720 msec
100 msec	400 msec	880 msec
120 msec	480 msec	1040 msec
160		
<i>Default = 80 msec</i>		

7.3 System Programming— Feature Inhibiting

FEATURE	DISABLED	ENABLED
Line Group 1		
Line Group 2		
Line Group 3		
Line Group 4		
Zone 1 Paging		
Zone 2 Paging		
Zone 3 Paging		
All Call		
Meet Me Page		
Night Transfer		
Background Music		
Voice Announce Block		
Message Waiting		
Call Pickup		
Call Forward		
Automatic Call Back		
Station-to-Station Mesg.		
Line Group Queue		
Directed Station Hold		
Call Park Orbit 1		
Call Park Orbit 2		
Call Park Orbit 3		
Call Park Orbit 4		
Call Park Orbit 5		
Call Park Orbit 6		
Call Park Orbit 7		
Call Park Orbit 8		
Call Park Orbit 9		
Call Waiting		
LCD Messaging		
Executive Override/		
Service Observing		
Account Code		
Personal Call Fwd.		
Enable All Features		
<i>Default = all features enabled</i>		

Do Not Disturb Inhibit-System Wide	Enable	Disable
<i>Default = Inhibit Enable</i>		

Specialized Route Access (SRA) Records-continued

Special Area Code Table 1				
Area Code =				
Office Code 000-999	Line Group			
	1	2	3	4

Special Area Code Table 2				
Area Code =				
Office Code 000-999	Line Group			
	1	2	3	4

Special Area Code Table 3				
Area Code =				
Office Code 000-999	Line Group			
	1	2	3	4

Special Area Code Table 4				
Area Code =				
Office Code 000-999	Line Group			
	1	2	3	4

Default = Line group 1 assigned to all codes

Specialized Route Access (SRA) Record--continued

Line Group	Insert Digits					
	1	2	3	4	5	1 6
1						
2						
3						
4						
<i>Default = None</i>						

Overflow Line Group	
<i>Default = None</i>	

SRA Wait Tim	2 sec.	3 Sec.	4 Sec.
<i>Default = 4 seconds</i>			

7.5 Line Configuration Records

Feature	Line Port (Write number, name, group, or other data)							
	1	2	3	4	5	6	7	8
Abandoned Hold Release (50/350 msec)								
Automatic Privacy (On/Off)								
Privacy Release Lines								
Line Port Disable (On/Off)								
Line Groups (0, 1-4)								
Line Name (5 characters)								
Line Port Function (AUX/CO)								
Line To Line Port Reassignment (1/1, etc.)								
Pulse/Tone Switchable (pulse/tone)								
Voice Mail ID (6 digits max)								
Default = 50 msec hold release, privacy on all with no station released, no disabled lines, no groups assigned., no names assigned., all ports co, same line/port, all tone dialing, no VM ID.								

Feature	Line Port (Write number, name, group, or other data)							
	9	10	11	12	13	14	15	16
Abandoned Hold Release (50/350 msec)								
Automatic Privacy (On/Off)								
Privacy Release Lines								
Line Port Disable (On/Off)								
Line Groups (0, 1-4)								
Line Name (5 characters)								
Line Port Function (AUX/CO)								
Line To Line Port Reassignment (1/1, etc.)								
Pulse/Tone Switchable (pulse/tone)								
Voice Mail ID (6 digits max)								
Default = 50 msec hold release, privacy on all with no station released, no disabled lines, no groups assigned., no names assigned., all ports co, same line/port, all tone dialing, no VM ID.								

Feature	Line Port (Write number, name, group, or other data)							
	17	18	19	20	21	22	23	24
Abandoned Hold Release (50/350 msec)								
Automatic Privacy (On/Off)								
Privacy Release Lines								
Line Port Disable (On/Off)								
Line Groups (0, 1-4)								
Line Name (5 characters)								
Line Port Function (AUX/CO)								
Line To Line Port Reassignment (1/1, etc.)								
Pulse/Tone Switchable (pulse/tone)								
Voice Mail ID (6 digits max)								
Default = 50 msec hold release, no privacy released, no disabled lines, no groups assigned., no names assigned., all ports co, same line/port, all tone dialing, no VM ID.								

Block Programming		
Model Line Port	Start Line Port	End Line Port

7.6 Station Configuration

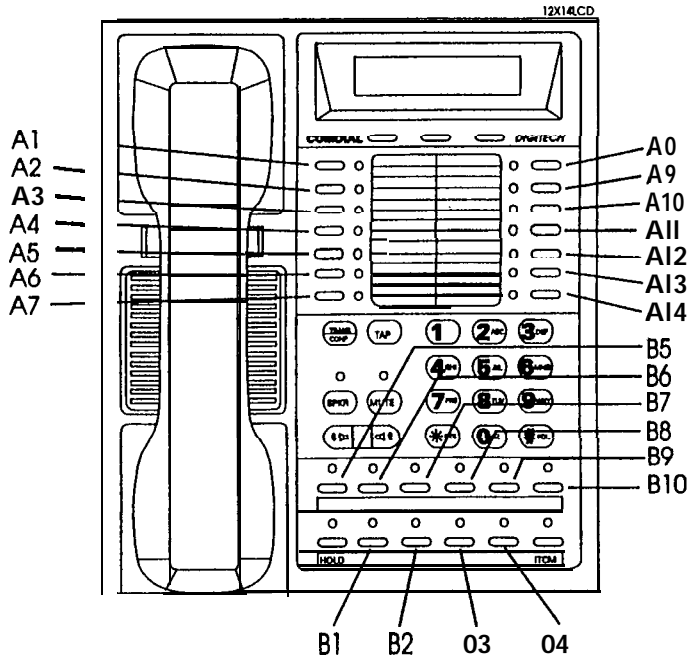
(Use this sheet as an individual station record or as a record for a block of **like-programm ed** stations. You can make copies of this blank sheet as needed to meet the system capacity)

Feature	Choice	Default	Enter Station Port Numbers)							
Access Denied	Lines 1-24	None								
All-Call and Zone Paging Receive	All/1-3	All								
Originate	All/1-3	All								
Audible Monitoring	None/Dir /Delay	None								
Automatic Hold	Yes/No	No								
Automatic Hold - Intercom	Yes/No	No								
Automatic Privacy										
Privacy Release	None/1-24	None								
Call Forward On Busy/ Ring - No Answer	No/0-9 Rings	No								
Call Origination Denied	No/1-24	No								
Central Message Desk	Yes/No	No								
Data Security Port	Yes/No	No								
Do Not Disturb Override	Yes/No	No								
Dual Console Feature	10- 57	No								
Executive Override	Yes/No	No								
Flexible Ringing	Direct	1-24	All (Sta. 10, 17)							
	Delayed	1-24	None							
Night Transfer (of ringing)	1-24	All (Sta. 10, 17)								
Flexible Station Numbering	10-7999	Ext = Port								
Group Call Pickup	1-4	1								
Headset Interface	Yes/No	No								
Idle Line Preference	No/1-24	No								
Intercom Hunt Group	10-57	None								
Personal Ring Tones	1-6	1								
Prime	Line -	1-24	None							
	Group	1-4	None							
	Intercom	Itcm	None							
Message Wait Originate	Yes/No	Yes								
Ringling Line Preference	Yes/No	No								
SOHVA Disable	Yes/No	Yes								
SOHVA Groups	None/1-8	None								
Service Observing	Yes/No	No								
Station Disable	Yes/No	No								
Station To Station Port Reassignment	10-57	Sta = Port								
System Alarm Report	Yes/No	No								
Voice Announce Blocking	Yes/No	No								

Block Programming				
Model Station Port				
First Station Port				
Last Station Port				

Station Button Mapping Record

(Complete one record sheet for each station. Copy this blank record sheet as required for additional stations.)



LCD Speakerphone

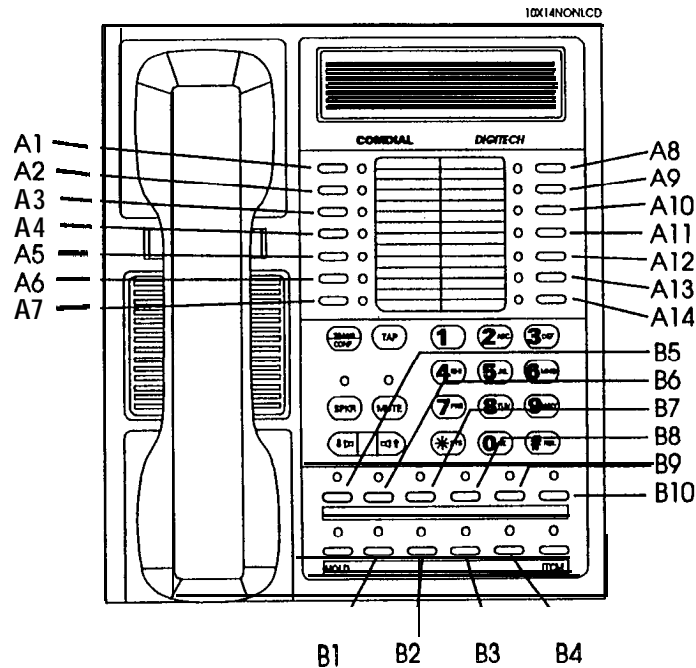
PORT NUMBER		
INTERCOM NUMBER		
STATION NAME		
STATION LOCATION		
TELEPHONE	TYPE	
	MODEL	

BUTTON	DESCRIPTION
BLK	Blank
Lnn	Lines 1 - 24
Snn	Stations 10 - 57
DND	Do Not Disturb
PRI	Privacy
IC2	Second Intercom
ACC	Account Code
SAV	Save
ZPn	Zone Page 1 - 3
AC	All-Call Page
ACB	Automatic Call Back
C F	Call Forward
CPn	Call Park Orbit 1 - 9
TGn	Line Group 1 - 4
VAB	Voice Announce Block
TGQ	Line Group Queue

BUTTON ASSIGNMENT CHART	
A1	
A2	
A3	
A4	
A5	
A6	
A7	
A8	
A9	
A10	
A11	
A12	
A13	
A14	
B1	
B2	
B3	
B4	
B5	
B6	
B7	
B8	
B9	
B10	

Station Configuration Records- continued

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Speakerphone

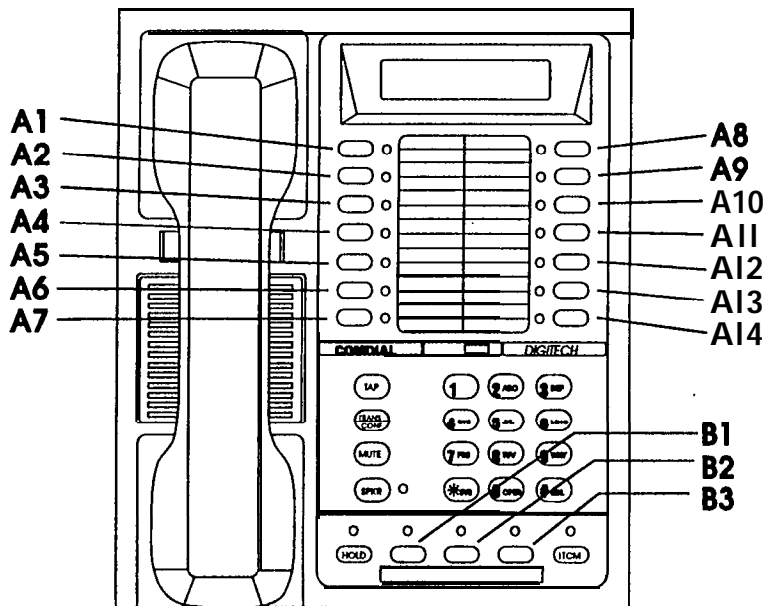
Monitor Telephone

CAJS020

DEFAULT SETTINGS: B1-B10 = Line 1 - Line 10, and A1 = 23, A2=21, A3 = 19, A4 =17, A6 = 15, A6 = 13, A7 = 11, A6 = 24, A9 = 22, A10 = 20, A11 = 16, A12 = 16, A13 = 14, A14 = 12

Station Button Mapping Record

(Complete one record sheet for each station. Copy this blank record sheet as required for additional stations.)



PORT NUMBER		
INTERCOM NUMBER		
STATION NAME		
STATION LOCATION		
TELEPHONE	TYPE	
	MODEL	

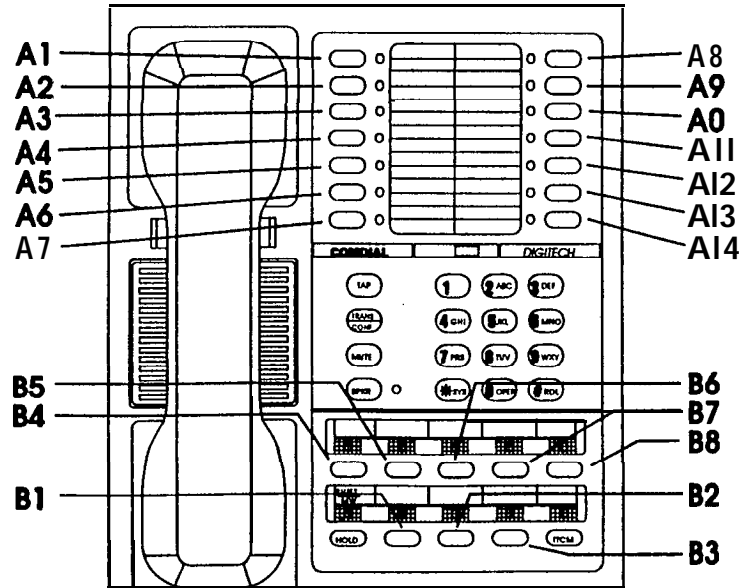
BUTTON	DESCRIPTION
BLK	Blank
Lnn	Lines 1 - 24
Snn	Stations 10 - 57
DND	Do Not Disturb
PRI	Privacy
IC2	Second Intercom
ACC	Account Code
SAV	Save
ZPn	Zone Page 1 - 3
A C	All-Call Page
ACB	Automatic Call Back
CF	Call Forward
CPn	Call Park Orbit 1 - 9
TGn	Line Group 1 - 4
VAB	Voice Announce Block
TGQ	Line Group Queue

BUTTON ASSIGNMENT CHART	
A1	
A2	
A3	
A4	
A5	
A6	
A7	
A6	
A9	
A10	
A11	
A12	
A13	
A14	
B1	
B2	
B3	
B4	
B5	
B6	
B7	
B8	

Station Configuration Records-continued

-55-

LCD Speakerphone



Speakerphone Monitor Telephone

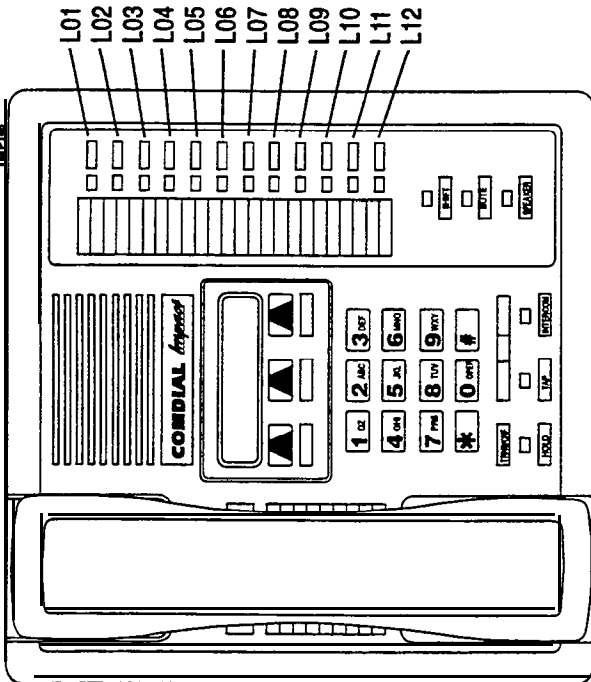
CAJS021

DEFAULT SETTINGS: B1-B8 = Line 1 - Line 6, and A1 = 21, A2 = 19, A3 = 17, A4 = 15, A5 = 13, A6 = 11, A7 = 9, A8 = 22, A9 = 20, A10 = 19, A11 = 16, A12 = 14, A13 = 12, A14 = 10

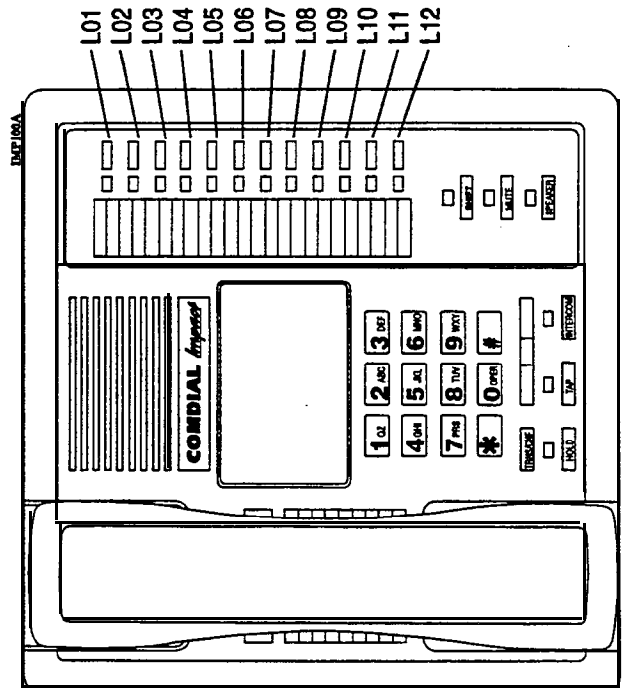
Station Configuration Records- continued

Station Button Mapping Record

(Complete one record sheet for each station. Copy this blank record sheet as required for additional stations.



12-Line LCD Speakerphone



12-Line Speakerphone

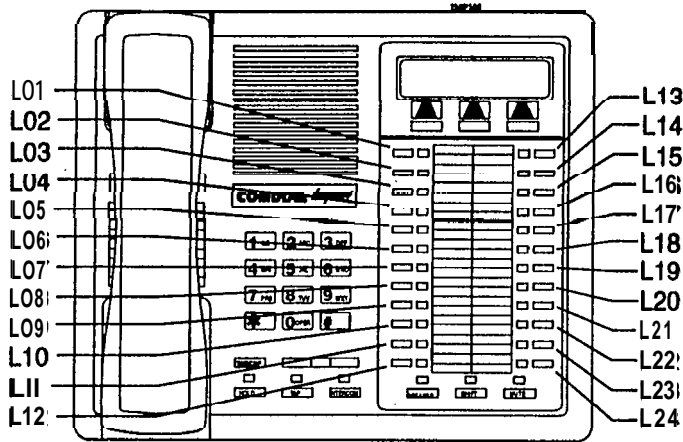
PORT NUMBER	
INTERCOM NUMBER	
STATION NAME	
STATION LOCATION	
TELEPHONE	
	TYPE
	MODEL

BUTTON ASSIGNMENT CHART	
DSU EQUIV.	PROGRAMMED BUTTON*
A1	L01
A2	L02
A3	L03
A4	L04
A5	L05
A6	L06
A7	L07
A8	L08
A9	L09
A10	L10
A11	L11
A12	L12
*DEFAULT: L1-L12 = LINE 1 - LINE 12	

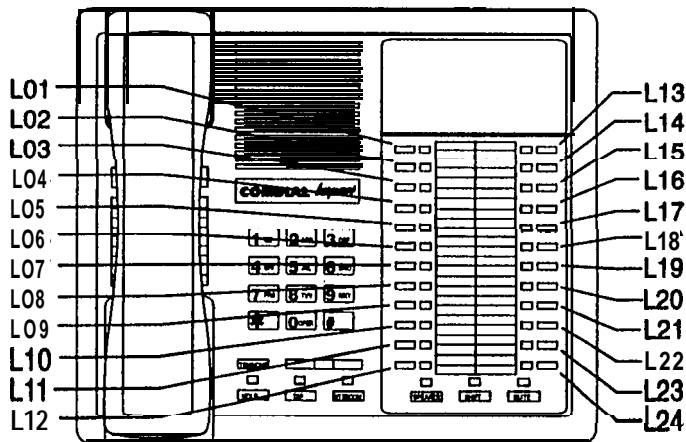
BUTTON	DESCRIPTION
BLK	Blank
Lnn	Lines 1 - 24
Shn	Stations 10 - 57
DND	Do Not Disturb
PRI	Privacy
IC2	Second Intercom
ACC	Account Code
SAV	Save
ZPn	Zone Page 1 - 3
AC	All-Call Page
ACB	Automatic Call Back
CF	Call Forward
CPn	Call Park Orbit 1 - 9
TGn	Line Group 1 - 4
VAB	Voice Announce Block
TGQ	Line Group Queue

Station Button Mapping Record

(Complete one record sheet for each station. Copy this blank record sheet as required for additional stations.)



24-Line LCD Speakerphone



24-Line Speakerphone

PORT NUMBER		
INTERCOM NUMBER		
STATION NAME		
STATION LOCATION		
TELEPHONE	TYPE	
	MODEL	

BUTTON	DESCRIPTION
BLK	Blank
Lnn	Lines 1 • 24
Snn	Stations 10 • 57
DND	Do Not Disturb
PRI	Privacy
IC2	Second Intercom
ACC	Account code
SAV	Save
ZPn	zone Page 1 • 3
A C	All-Call Page
ACB	Automatic Call Back
CF	Call Forward
CPn	Call Park Orbit 1 • 9
TGn	Line Group 1 • 4
VAB	voke Announce Block
TGQ	Line Group Queue

CAJS016

BUTTON ASSIGNMENT CHART		
DSU EQUIV.	IMPACT BUTTON*	PROGRAMMED ASSIGNMENT
A1	L01	
A2	L02	
A3	L03	
A4	L04	
A5	L05	
A6	L06	
A7	L07	
A8	L08	
A9	L09	
A10	L10	
Ai1	L11	
A12	L12	
A13	L13	
A14	L14	
B9	L15	
B10	L16	
B1	L17	
B2	L18	
B3	L19	
B4	L20	
B5	L21	
B6	L22	
B7	L23	
B8	L24	
*DEFAULT LI-L24 = LINE 1 • LINE 24		

Station Configuration Records- continued

Station Button Mapping Record

(Complete one record sheet for each station. Copy this blank record sheet as required for additional stations.)

PORT NUMBER		
INTERCOM NUMBER		
STATION NAME		
STATION LOCATION		
TELEPHONE	TYPE	
	MODEL	

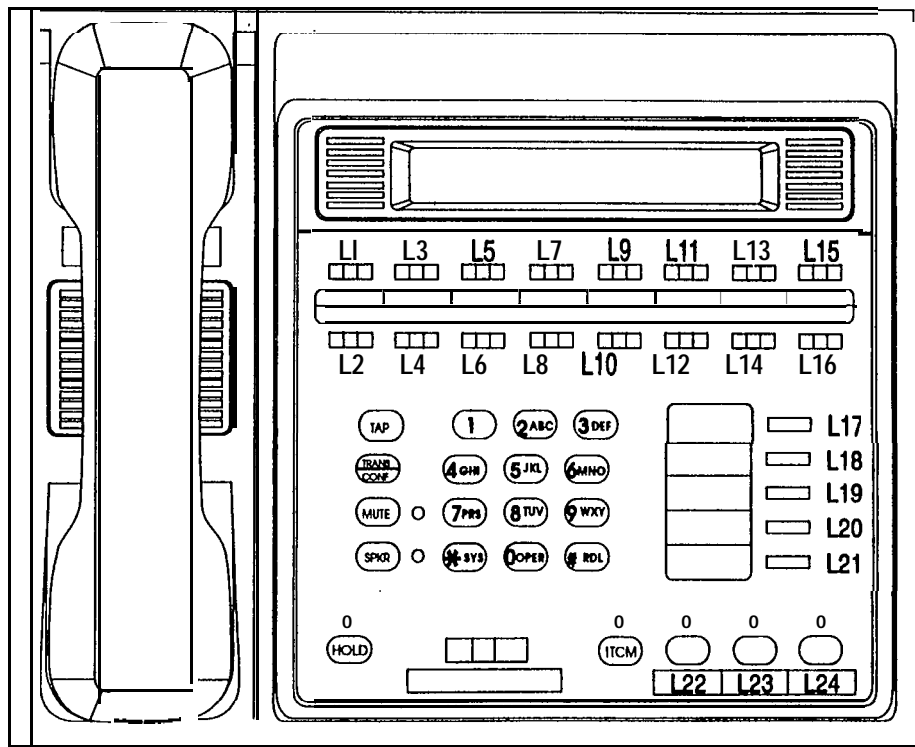
ADJUNCT MODULE

With Adjunct

Without Adjunct

L25=L27=L29=L31=L33=L35=L37=L39

L26=L28=L30=L32=L34=L36=L38=L40



- | BUTTON | DESCRIPTION |
|-------------|-----------------------|
| ELK | Blank |
| Lnn | Lines 1 - 24 |
| Snn | Stations 10 - 57 |
| DND | Do Not Disturb |
| PRI | Privacy |
| IC2 | Second Intercom |
| ACC | Account Code |
| SAV | Save |
| ZPn | Zone Page 1 - 3 |
| AC | All-Call Page |
| ACB | Automatic Call Back |
| CF | Call Forward |
| CPn | Call Park Orbit 1 - 9 |
| TGn | Line Group 1 - 4 |
| VAB | Voice Announce Block |
| TGQ | Line Group Queue |

cAJS017

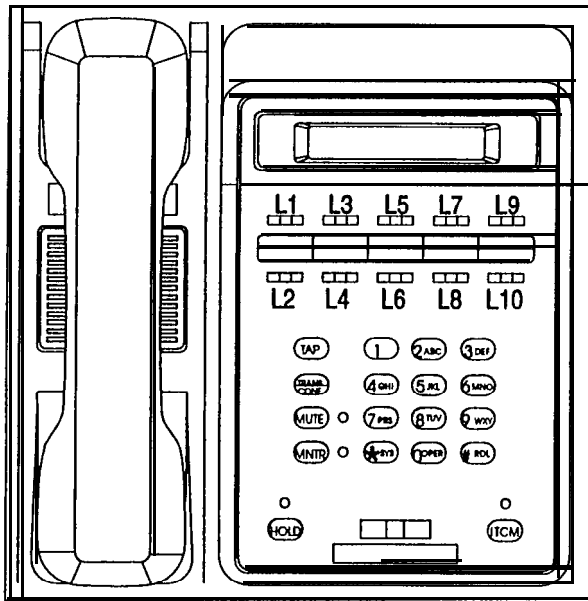
BUTTON ASSIGNMENT CHART		
DSU EQUIV.	AMERICOM BUTTON*	PROGRAMMED ASSIGNMENT
A1	L1	
A2	L3	
A3	L5	
A4	L7	
A5	L9	
A6	L11	
A7	L13	
A8	L15	
A9	L17	
A10	L16	
A11	L19	
A12	L20	
A13	L21	
A14	L22	
B9	L23	
B10	L24	
B1	L2	
B2	L4	
B3	L6	
B4	L8	
B5	L10	
B6	L12	
B7	L14	
B8	L16	

*DEFAULT:
L1 - L16 = LINE 1 - LINE 16;
L17 - L40 = BLANK; L22 = DND;
L23 = VAB; L24 = AUTO REDIAL

16-Line LCD Speakerphone

Station Button Mapping Record

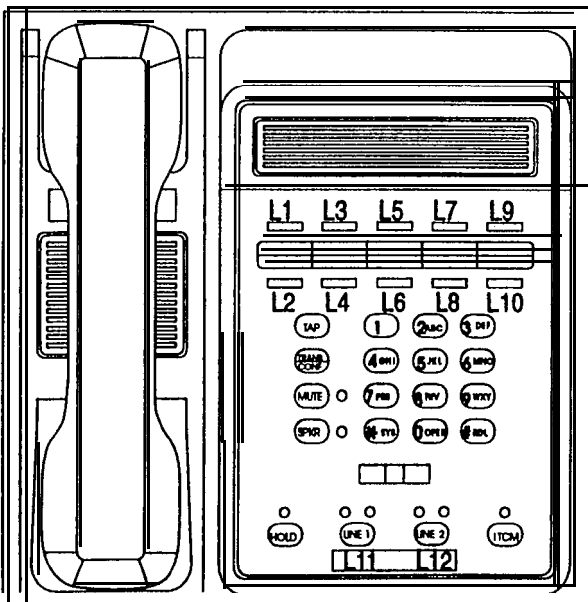
(Complete one record sheet for each station. Copy this blank record sheet as required for additional stations.)



1 0-Line LCD Speakerphone

PORT NUMBER		
INTERCOM NUMBER		
STATION NAME		
STATION LOCATION		
TELEPHONE	TYPE	
	MODEL	

BUTTON ASSIGNMENT CHART		
DSU EQUIV.	AMERICOM BUTTON*	PROGRAMMED ASSIGNMENT
A1	L1	
B1	L2	
A2	L3	
B2	L4	
A3	L5	
B3	L6	
A4	L7	
B4	L8	
A5	L9	
B5	L10	
A6	L11	
B6	L12	
*DEFAULT:		
L1-L10 = LINE 1 - LINE 10		



2-Line Monitor Telephone

DEFAULT FOR THIS TELEPHONE:
 L1-L10 = BLANK
 L11 = LINE 1
 L12 = LINE 2

BUTTON	DESCRIPTION
BLK	Blank
Lnn	Lines 1 • 24
Snn	Stations 10 • 57
DND	Do Not Disturb
PRI	Privacy
IC2	Second Intercom
ACC	Account code
SAV	Save
ZPn	Zone Page 1 • 3
AC	All-Call Page
ACB	Automatic Call Back
CF	Call Forward
CPn	Call Park Orbit 1 • 9
TGn	Line Group 1 • 4
VAB	voke Announce Block
TGQ	Lhe Group Queue

7.7 Miscellaneous Programming Features-Account Codes

Account Code	Category	Account Code	Category

Account Code Usage	Enabled	Disabled	
Verification	On	Off	
Usage Status	Forced	Optional	
Station Exceptions			
Verified Digits			
Account Code Length			
Emergency No. 1		No. 6	
Emergency No. 2		No. 7	
Emergency No. 3		No. 8	
Emergency No. 4		No. 9	
Emergency No. 5		No 10	
LCD Display Time			
Display On Incoming	Yes	No	
Display On Outgoing	Yes	No	
<i>Default = Account Code Usage: Disabled, Verified Status: On, Usage Status: Forced (Optional), Exceptions: None, Verified Digits 3, Account Code Digits: 3, Display Time: 5 sec., Incoming Display: On. Outgoing Display: On.</i>			

7.8 Analog Terminal Interface Records

Distinctive Ringing
Enabled
Disabled
<i>Default = Enabled</i>

Thru Dialing Port		
10	26	42
11	27	43
12	28	44
13	29	45
14	30	46
15	31	47
16	32	48
17	33	49
18	34	50
19	35	51
20	36	52
21	37	53
22	38	54
23	39	55
24	40	56
25	41	57
<i>Default = Not Enabled</i>		

7.9 Caller Identification (ID) Service Support Programming

Caller ID Lines (list 1 - 24 for lines)	
<i>Default = None Assigned</i>	

Caller ID Stations (list 10 - 57 for stations)	
<i>Default = None Assigned</i>	

Audible First Ring	Enable	Disable
<i>Default = Disabled</i>		

SAVE Button Stations (list 10 - 57 for stations)
<i>Default = None Assigned</i>

Caller ID Distribution To Data Port B	Enable	Disable	
<i>Default = Disabled</i>			

RS232 Data Port A Configuration			
Baud Rate	9600	Other (see system COS record)	
Data Bits	7 Data/2 Stop	8 Data/1 Stop	
<i>Default = 300 Baud, 7 Data Bits /2 Stop Bits</i>			

RS232 Data Port B Configuration			
Baud Rate	9600	Other (see system COS record)	
Data Bits	7 Data/2 Stop	8 Data/1 Stop	
<i>Default = 300 Baud, 7 Data Bits 12 Stop Bits</i>			

7.10 Direct Inward Station Dialing (DISD)

Dial Time Limit	6 sec.	9 sec.	12 sec.	sec.
<i>Default = 12 Seconds</i>				

Assist Station	
Station Assigned	Lines Assigned
Day Station	
Night Station	
<i>Default = Station 10 Day And Night</i>	

Incoming Rings	0	1	2	3	4	5	6	7	8	9
<i>Default = 0 Rings</i>										

7.11 Execumail Interface Records

Voice Mail Port			
10		26	42
11		27	43
12		28	44
13		29	45
14		30	46
15		31	47
16		32	48
17		33	49
18		34	50
19		35	51
20		36	52
21		37	53
22		38	54
23		39	55
24		40	56
25		41	57
Default = Not Enabled			

Automatic Attendant - Ringing Lines (1-24) Per Station							
Station	Direct	Delay	Night	Station	Direct	Delay	Night
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			
26				51			
27				52			
28				53			
29				54			
30				55			
32				56			
33				57			
34				Default = None Assigned			

ExecuMail Records • Continued

Automatic Transfer Of Voice Mail	
Enable	
Disable	
Default = Disabled	

Voice Mail Line Port Identification					
Port	Entry	Port	Entry	Port	Entry
1		9		17	
2		10		18	
3		11		19	
4		12		20	
5		13		21	
6		14		22	
7		15		23	
8		16		24	
Default = No ID Assigned					

Voice Mail Transfer On Busy Port					
10		26		42	
11		27		43	
12		28		44	
13		29		45	
14		30		46	
15		31		47	
16		32		48	
17		33		49	
18		34		50	
19		35		51	
20		36		52	
21		37		53	
22		38		54	
23		39		55	
24		40		56	
25		41		57	
Default = Not Enabled					

7.12 Direct Department Calling

Department 1	
Access Code 10 - 7999	
Line Ports 1 - 24	
Station Ports 10-57	

Department 2	
Access Code 10 - 7999	
Line Ports 1 - 24	
Station Ports 10-57	

Department 3	
Access Code 10 - 7999	
Line Ports 1 - 24	
Station Ports 10 - 57	

Department 4	
Access Code 10 - 7999	
Line Ports 1 - 24	
Station Ports 10-57	

Defaults = No Access Code **Assigned**, No Line Ports **Assigned**, No Station Ports Assigned

7.13 Integrated Call Costing

Exception Tables																	
Excerpt. Table	Digits															Cost Table	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16
1																	
2																	
3																	
4																	
<i>Default = None Assigned</i>																	

Office Code Band Tables	
Band	Office Code Prefix(es)
1	
2	
3	
4	
5	
6	
7	
<i>Default = None Assigned</i>	

Zone Call Band Tables	
Band	Area Code Prefix(es)
1	
2	
3	
4	
<i>Default = None Assigned</i>	

Area Code Band Tables	
Band	Area Code Prefix(es)
1	
2	
3	
4	
5	
6	
7	
<i>Default = None Assigned</i>	

Discard Diaits								
Entry	Digits							
	1	2	3	4	5	6	7	8
1								
2								
3								
4								
5								
6								
Default = No Discard Digits Assigned								

Dial Time Limit	
0 - 999 Sec.)	
Default = 0 Seconds	

Answer Time Limit	
0 - 999 Sec.)	
Default = 0 Seconds	

Integrated Call Costing Configuration Records - continued • Call Rate Tables

Last Resort Table }

Call Rate Table 1	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 7	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 13	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 2	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 8	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 14	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 3	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 9	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 15	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 4	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 10	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 16	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 5	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 11	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 17	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 6	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 12	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 18	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

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Integrated Call Costing Configuration Records - continued - Call Rate Tables - continued

Call Rate Table 19	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 25	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 31	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 20	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 26	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 32	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 21	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 27	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 33	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

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Call Rate Table 22	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 28	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 23	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 29	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 24	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

Call Rate Table 30	
Tier 1 Time	
Tier 1 Rate	
Tier 2 Rate	
Surcharge	

7.14 Station Message Detail Accounting/Reporting

Dept	Dept. Number	Deaartment	Station
1			
2			
3			
4			
5			
6			
7			
8			
<i>Default = None Assigned</i>			

Automatic Report Time	
Hours	
Minutes	
Station Report	
Account Report	
Line Report	
Department Report	
DCD Report	
Print All Records	
Delete Records	
<i>Default = None Assigned</i>	

SMDR Cost Reporting	Enabled	Disabled
SMDR Printout	Enabled	Disabled
<i>Default = No Cost Reported, Printout Enabled</i>		

7.15 Toll Restriction Table Configuration

Toll Restriction Tables

Toll Restriction Table 1																
Type: Allow Deny X																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1															
2	9	7	6													
3	4	1	1													
4	0															
Table Assignment: Lines All Stations																

Toll Restriction Table 5																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 2																
Type: Allow X Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	8	0	0												
2	9	1	1													
3																
4																
Table Assignment: Lines All Stations																

Toll Restriction Table 6																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 3																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4	1	1	1	1	1	1	1	1	1	1						
Table Assignment: Lines Stations																

Toll Restriction Table 7																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 4																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 8																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Tables - continued

Toll Restriction Table 9																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 13																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 10																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 14																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 11																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 15																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 12																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Toll Restriction Table 16																
Type: Allow Deny																
Entry Entry Numbers (16 Maximum)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																
2																
3																
4																
Table Assignment: Lines Stations																

Assign Toll Restriction Tables To Lines

Assign Toll Restriction Tables To Lines			
Port	Tables	Port I	Tables
1		14	
2		15	
3		16	
4		17	
5		18	
8		19	
9		20	
10		21	
11		22	
12		23	
13		24	
<i>Default = All Tables Assigned To All Ports</i>			

Assign Toll Restriction To Stations

Station Port	Normal Calls	Toll Table Assignments Night Transfer Calls	Speed Dial Calls
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			

Default = None Assigned

Toll Restriction Override (TRO) Code	
Station No.	TRO Code (Four Digits)
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
73	
74	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	



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 35 **Access Deny, Line Intercom**
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 10 Alarm Reporting, System
 38 All Call **And Zone** Paging
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 18 **Area** Code Assignments
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- 34 Prime Line, Line **Intercom**
- 17 **Printout**, C.O.S. Data
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- 13 Recall **Time, Department** Transfer
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