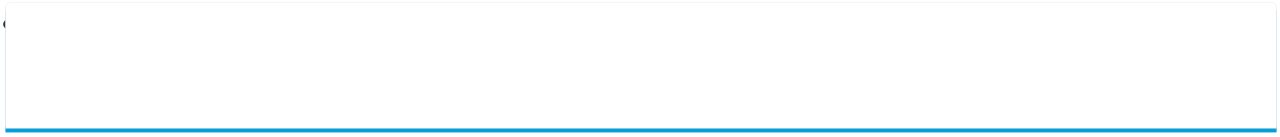

Caution!
STOP
STOP

Toshiba CTX100-S Programming Manual

Strata ctx digital business telephone systems

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

569
570
571
572
573
574
575
576
577
578
579
580



-

Table of Contents

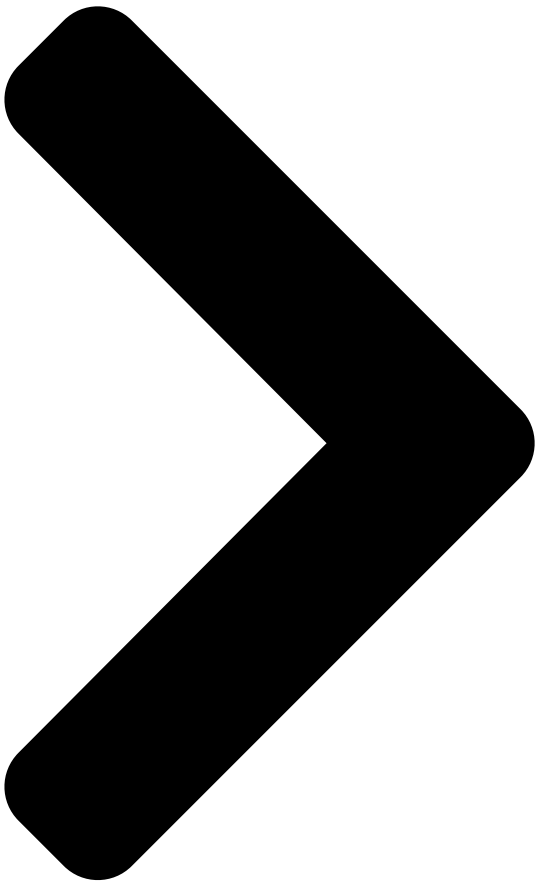
-

Bookmarks

Quick Links

Download this manual

See also: User Manual



726+,%$

TOSHIBA

Telecommunication Systems Division

Tel

Digital Business Telephone Systems

CTX100-S, CTX100 and CTX670 Programming Manual

November 2003

Table of Contents

Next Page

1
2
3
4
5

Chapters

Related Manuals for Toshiba CTX100-S

Telephone Toshiba Strata CTX28 Programming Manual

(592 pages)

Telephone Toshiba CIX User Manual

Strata cix and ctx ipt/dkt telephone (141 pages)

Telephone System TOSHIBA STRATA CTX User Manual

Dkt/ipt telephone with digital business telephone systems (139 pages)

Telephone Toshiba DKT User Manual

Strata ctx dkt/ipt telephone (116 pages)

Telephone System Toshiba Strata CTX Programming Manual

Digital business telephone systems (533 pages)

Telephone Toshiba STRATA CTX100 Installation And Maintenance Manual

Digital business telephone systems (348 pages)

Telephone System Toshiba Strata CIX Programming Manual

Telephone button programming manual (144 pages)

Telephone System Toshiba Strata CTX100 General Description Manual

Digital business telephone system (100 pages)

Telephone System Toshiba Strata CTX Series Installation And Maintenance Manual

Digital business telephone systems (40 pages)

Telephone System Toshiba Strata CTX670 Brochure

Toshiba telephone brochure (12 pages)

Telephone Toshiba CTX100 Quick Reference Manual

(4 pages)

Voicemail Toshiba CTX100 Quick Reference

(3 pages)

Telephone Toshiba CTX100 User Manual

Toshiba telephone user manual (3 pages)

Telephone Toshiba DP5000-series Quick Reference Manual

Dp5000-series telephone quick reference guide (11 pages)

Telephone Toshiba IP5000 User Manual

Featurephone (197 pages)

Telephone Toshiba Strata CIX IP5000-Series User Manual

(192 pages)

Summary of Contents for Toshiba CTX100-S

Page 1 726+,%$ Telecommunication Systems Division Digital Business Telephone Systems CTX100-S, CTX100 and CTX670 Programming Manual November 2003...

Page 2: Radio Frequency Interference

Secondary protection is also required on DID, OPS, and Tie ® Service or Repair: For service or repair, contact your local Toshiba telecommunications lines. (Additional information is provided in this manual.) distributor. To obtain the nearest Toshiba telecommunications distributor in your area, Important Notice —...

Page 3 TOSHIBA AMERICA INFORMATION SYSTEMS, INC. (“TAIS”) Telecommunication Systems Division License Agreement IMPORTANT: THIS LICENSE AGREEMENT (“AGREEMENT”) IS A LEGAL AGREEMENT BETWEEN YOU (“YOU”) AND TAIS. CAREFULLY READ THIS LICENSE AGREEMENT. USE OF ANY SOFTWARE OR ANY RELATED INFORMATION (COLLECTIVELY, “SOFTWARE”) INSTALLED ON OR SHIPPED WITH A TAIS TELECOMMUNICATION SYSTEM PRODUCT OR OTHERWISE MADE AVAILABLE TO YOU BY TAIS IN WHATEVER FORM OR MEDIA, WILL CONSTITUTE YOUR ACCEPTANCE OF THESE TERMS, UNLESS SEPARATE TERMS ARE PROVIDED BY THE SOFTWARE SUPPLIER.

Page 4: Limited Warranty

The sole obligation of TAIS or Toshiba Corporation under this warranty, or under any other legal obligation with respect to the equipment, is the repair or replacement by TAIS or its authorized dealer of such defective or missing parts as are causing the malfunction with new or refurbished parts (at their option).

Page 5: Table Of Contents

Page 6

Page 7

Page 8

Page 9

Page 10

Assignment.....9-57 655 Private Network Digit Modification Table Assignment.....9-57 Mapping .....9-58 657 Network COS Mapping Table.....9-58...

Page 11 Contents Chapter 11 – Maintenance Chapter 11 – Maintenance Quality Of Service.....11-1 Trace Function .....11-1 Trace Data.....11-1 Event Trace Control .....11-3 903 Start/Stop Trace .....11-3 904 ISDN Trace Location.....11-4 905 All ISDN Trunk Trace Selection .....11-4 906 Change Trace Side.....11-4 Error Alarm Log.....11-5 907 System Admin Log .....11-6 Memory Access Operation.....11-6...

Page 12 Contents Chapter 14 – Maintenance System Admin Log.....13-103 Format/Unmount SmartMedia.....13-103 MAC Address (System Serial Number) .....13-105 Data Backup .....13-105 Program Update.....13-106 Make Busy Control.....13-107 Regional Selection.....13-109 IP Configuration .....13-110 Chapter 14 – Maintenance Data Backup .....14-1 Backup Progress and Completion Indicators.....14-1 Restoring Programmed Data .....14-2 Local Update .....14-2 Prerequisites for CTX100 and CTX670 Local Update .....14-2...

Page 13 Contents Appendix B – System Error Codes Appendix B – System Error Codes Common Error Code Table .....B-1 System Programming Error Codes.....B-2 Station Programming Error Codes .....B-5 Trunk Programming Error Codes.....B-13 Attendant Position Programming Error Codes.....B-20 Service Programming Error Codes.....B-21 Networking Programming Error Codes .....B-26 Equipment Programming Error Codes .....B-27 Appendix C –...

Page 14 Contents Appendix E – Software and Firmware Updates Attendant.....D-34 Attendant Group Record Sheet .....D-34 IP Telephone Programming.....D-35 System IP Data Assignment..... D-35 Station IP Data Assignment ..... D-36 Services..... D-37 Pilot DN Assignment Record Sheet..... D-37 System Voice Mail Record Sheet .....D-38 Voice Mail Port Data Record Sheet .....

Page 15 This manual provides information required to program the Strata CTX100-S, CTX100 and CTX670 business telephone systems using Toshiba's CTX WinAdmin™ software or Button Programming. Whenever the CTX100 is mentioned in this book, it applies to both the CTX100-S Important! and CTX100, unless specified otherwise.

Page 16 Introduction Organization Chapter 9 – Services discusses programming of services available to Strata CTX through CTX WinAdmin. Chapter 10 – Operation explains system setup options available to CTX WinAdmin users. System initialization, SmartMedia formatting, system software upgrades and Internet Protocol (IP) configuration are among the topics discussed.

Page 17 Introduction Conventions Conventions Conventions Description Elaborates specific items or references other information. Within some Note tables, general notes apply to the entire table and numbered notes apply to specific items. Important! Calls attention to important instructions or information. Advises you that hardware, software applications, or data could be CAUTION! damaged if the instructions are not followed closely.

Page 18: General Description

Voice Assistant software and documentation. • OAISYS (includes software and documentation of OAISYS Chat, Call Router, and Net Phone) For authorized users, Internet site FYI (http://fyi.tsd.toshiba.com) contains all current Strata CTX documentation and enables you to view, print and download current publications.

Page 19 726+,%$ Telecommunication Systems Division Digital Business Telephone Systems Part 1: Getting Started November 2003...

Page 21: Step 1: Use Default Auto-Programming To Start Up

Strata CTX Programming Guidelines This chapter discusses Strata CTX programming basics and guides you through initial setup procedures. It also describes auto-recognition features, order of programming, and overview of general CTX WinAdmin and Button Programming operations. Programming sequence tables are provided to streamline your programming tasks.

Page 22: Limitations

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up Limitations The following are the limitations of Strata CTX auto-programming. • CTI programs are not programmed automatically. • Strata CTX cannot configure unique LAN requirements automatically. Strata CTX's LAN system data, CTX IP address and Community Name are set to a default.

Page 23: Station Pdn Auto-Programming

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up Station PDN Auto-programming When auto programming recognizes installed station PCBs, it assigns PDNs in numerical order as follows: • Auto programming assigns PDNs to station PCB equipment numbers (cabinet, slot, circuit) in equipment number order.

Page 24

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up Table 1-3 Auto-Programming for CO line PCB Recognition (Program 100) (continued) PCB Name PCB Circuit Type Parameter setting Comments Code Caller ID interface for RCOU/RCOS 4 or 8 Caller ID and RGLU analog CLID lines.

Page 25: Bipu Settings

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up Table 1-5 Auto-Programming of Miscellaneous Line Parameters Item Settings All of the ringing destinations of DIT lines are the first PDN: DIT line ringing assignment PDN 200 for CTX100 and 2-cabinet CTX670 Program 310 PDN2000 for 2~7 cabinet CTX670.

Page 26

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up Table 1-7 IPT Automatic Settings Item Description Settings The number plan conforms to BDKU16. DN setting of the terminal DN Setting Assigned in the order of the lowest slot accommodated in BIPU number.

Page 27: Index

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up Table 1-10 IP-Trunk Information Program Description Settings ILG Number Kind of Trunk (Analog/ISDN) ISDN Type of Trunk OLG Number Kind of Trunk (Analog/ISDN) ISDN Type of Trunk 1: 1st BIPU CG Number 2: 2nd BIPU 3: 3rd BIPU...

Page 28: Ctx Processor Nic Interface Tcp/Ip Auto-Programming

Strata CTX Programming Guidelines Step 1: Use Default Auto-programming to Start Up CTX Processor NIC Interface TCP/IP Auto-programming The following are the initial values of the LAN data that is automatically created for the system. • Network TCP/IP. See "916 IP Configuration" page 10-14.

Page 29: Default Feature Access Codes

Strata CTX setup with common System and Station default assignments. Toshiba recommends adherence to these procedures for initial setup. 1. Card Assignments (100) – Choose System > Card Assignment. It is not necessary to physically install PCBs prior to programming Strata CTX.

Page 30

Strata CTX Programming Guidelines Step 3: Program CTX for First Time 4. Trunk Assignment (300) – Choose Trunk > Basic. Set up your Trunks in the following order (see "300 Trunk Assignment" page 6-6 for more details): • Loop Start Trunks •...

Page 31: Review Program Flow

Strata CTX Programming Guidelines Step 3: Program CTX for First Time Review Program Flow The basic program flow needed to set up Strata CTX is shown below. The figure displays the most critical programs in the left column and migrates right to optional programs. Also, programming flows from specific (left) to general (right).

Page 32: Step 4: Identify Program Sequences

Strata CTX Programming Guidelines Step 4: Identify Program Sequences Step 4: Identify Program Sequences Use the following tables to quickly identify the programs needed to fulfill your setup requirements. See the Index to correlate program numbers and their functions. Station Setup Use the following table to quickly access the programs needed to set up Station

requirements.

Page 33: Trunk Setup – T1

Strata CTX Programming Guidelines Step 4: Identify Program Sequences Trunk Setup – T1 Use the following table to quickly access the programs needed to set up T1 Trunk requirements. Trunk Assignment Run Programs in Sequence from left to right. Type Basic Data LS/GS...

Page 34: Miscellaneous

Strata CTX Programming Guidelines Step 4: Identify Program Sequences Miscellaneous Use the following table to quickly access the programs needed to set up other Strata CTX features. Feature Run Programs in Sequence from left to right. Account-Codes Automatic Busy Redial (ABR) Automatic Call Back (ACB) Automatic Camp-On Auto-Release of CO...

Page 35 Strata CTX Programming Guidelines Step 4: Identify Program Sequences Feature Run Programs in Sequence from left to right. Station CO Line Access SMDR Tandem Connection DR Override by System's Speed Dial Destination Restriction Tone-First/Voice-First Travelling COS Voice-Mail Interface "Voice Mail Set Up" page A-1 Emergency Ring-Down Relay Services...

Page 36 Strata CTX Programming Guidelines Step 4: Identify Program Sequences 1-16 Strata CTX Programming - Part 1: Getting Started 11/03...

Page 37 726+,%$ Telecommunication Systems Division Digital Business Telephone Systems Part 2: CTX WinAdmin Programming November 2003...

Page 39 CTX WinAdmin Overview CTX WinAdmin is a powerful Microsoft® Windows® based telephone system management tool used to program, maintain and upgrade the Strata CTX Digital Business Telephone System. CTX WinAdmin uses a variety of networking and software technologies as follows: •...

Page 40: Ctx Winadmin Main Screen

CTX WinAdmin Overview CTX WinAdmin Main Screen CTX WinAdmin Main Screen After you start CTX WinAdmin, log in and connect to the CTX, the main screen (shown below) displays. Verify the information on this screen. It contains the System type and Software version. Auto Flyover On/Off Button Program Viewer Program Menu...

Page 41: Ctx Winadmin Sub-Screens

CTX WinAdmin Overview CTX WinAdmin Sub-screens CTX WinAdmin Sub-screens The CTX WinAdmin operates in a user friendly Windows environment featuring interactive Graphical User Interface (GUI) screens.The Program Viewer's GUI is arranged to streamline the Strata CTX programming process (see sample screen below). Toolbar Program Details Tabs...

Page 42 CTX WinAdmin Overview CTX WinAdmin Sub-screens The following features enable you to browse and program CTX WinAdmin efficiently. • Program Blocks – CTX WinAdmin arranges many related programs in blocks to enable the programmer to view essential and related programs on one screen. •...

Page 43: Special Buttons

CTX WinAdmin Overview CTX WinAdmin Sub-screens • Command Table Button – This button enables you to locate programs by number or category (shown right). From this table, you can click on a program to open it. Special Buttons These buttons appear on some of the CTX WinAdmin screens. These buttons enable you to access the most common programming tasks quickly.

Page 44: Table Views

CTX WinAdmin Overview CTX WinAdmin Sub-screens Table Views Some programs contain supporting tables views. These tables can be accessed from the Program Menu or from the program itself, by clicking the Table view button. For example, the System Speed Dial Table View can be accessed by clicking System >...

Page 45 CTX WinAdmin Overview CTX WinAdmin Sub-screens • Bookmark – You can bookmark a row on some tables by clicking on the row. This enables you to move forward and backward and come back to the original position with no problem. Note The bookmark function

is not provided in tables that have a Delete button, example “Hunt Group...

Page 46 CTX WinAdmin Overview CTX WinAdmin Sub-screens Strata CTX Programming - Part 2: CTX WinAdmin Programming 11/03...

Page 47: Pc Hardware Requirements

Installation This chapter shows you how to install CTX WinAdmin software on your PC and discusses how to connect that PC to the Strata CTX system. PC Hardware Requirements The following table shows the minimum PC requirements for CTX WinAdmin and WinCTX to operate properly: Hardware Windows XP Professional...

Page 48: Step 1: Install Ctx Winadmin Software

Windows XP Professional automatically installs IE 6.0 so installing IE 5.5 is not needed. Note CAUTION! Toshiba recommends not to install MS Network Monitor on WinAdmin PCs because MS Network Monitor software which is provided on the Microsoft System Management Server (SMS) production CD-ROM causes problems with the Windows WMI SNMP component needed to run WinAdmin.

Page 49: Requirements Not Found

Installation Step 1: Install CTX WinAdmin Software Requirements Not Found Service Pack 2 Not Found - Windows 2000 If Service Pack 2 was not found on your Windows 2000 OS, follow these steps. 1. Click the “Windows 2000 Service Pack 2 Not Found” line. A help screen appears. Locate and click the “Install SP2 Now”...

Page 50 Installation Step 1: Install CTX WinAdmin Software Note If your PC displays this error message (shown right), insert the Windows OS CD-ROM that came with your computer (Recovery or Companion type) and not the Service Pack2 CD-ROM. Follow the prompts to browse, open and install files. Management and Monitoring Tools Not Found - Windows XP Pro/Windows 2000 If Management and Monitoring Tools were not found, follow the steps below.

Page 51: Step 2: Set Up Lan Connection To Strata Ctx

Installation Step 2: Set Up LAN Connection to Strata CTX Step 2: Set Up LAN Connection to Strata CTX Step 2A: Connect CTX WinAdmin PC to Strata CTX Processor NIC 1. Connect the RJ45 cable between your PC’s NIC jack and the Strata CTX Network Interface jack. If you are connecting to Strata CTX directly without using a Network hub, use an RJ45 cross-pinned cable.

Page 52 Installation Step 2: Set Up LAN Connection to Strata CTX Dynamic Host Configuration • To setup CTX WinAdmin WAN and Internet connections using Protocol (DHCP), Virtual Private Networks (VPN), etc., the proper IP addresses and setup procedures must be obtained from your Information Technology (IT) Administrator. •...

Page 53: Step 2B: Set Up Ip Address Of Ctx Nic

Installation Step 2: Set Up LAN Connection to Strata CTX Step 2B: Set Up IP Address of CTX NIC This setup is only for direct connection to the Strata CTX or for simple Hub or LAN connections. Note For more complex LAN, WAN or Internet connections, refer to “Wide Area Networks and/or Internet Connections”...

Page 54: Step 2C: Set Up Ip Address Of Ctx Winadmin Pc Nic (Windows Xp)

Installation Step 2: Set Up LAN Connection to Strata CTX Step 2C: Set Up IP Address of CTX WinAdmin PC NIC (Windows XP) Follow the steps below to set up PC Network settings on your CTX WinAdmin PC. Note This setup is only for direct connection to the Strata CTX or for simple Hub or LAN connections. For more complex LAN, WAN or Internet connections, refer to “Wide Area Networks and/or Internet Connections”...

Page 55: Step 2D: Set Up Ip Address Of Ctx Winadmin Pc Nic (Windows 2000)

Installation Step 2: Set Up LAN Connection to Strata CTX Step 2D: Set Up IP Address of CTX WinAdmin PC NIC (Windows 2000) Follow the steps below to set up PC Network settings on your WinAdmin PC. This setup is only for direct connection to the Strata CTX or for simple Hub or LAN connections. Note For more complex LAN, WAN or Internet connections, refer to “Wide Area

Networks and/or...

Page 56: Step 3: Set Up Modem Connection (Optional)

Installation Step 3: Set up Modem Connection (Optional) Step 3: Set up Modem Connection (Optional) Step 3A: Connect CTX WinAdmin PC to Strata CTX Modem Connect an RJ11 cable from your PC modem to an active phone line or RSTU port. See Figure 3-4. Point-to-point TCP/IP BCTU, BECU or...

Page 57: Step 3B: Set Up Ip Address Of Ctx Winadmin Pc Modem (Windows Xp)

Installation Step 3: Set up Modem Connection (Optional) Step 3B: Set up IP Address of CTX WinAdmin PC Modem (Windows XP) This setup is only for direct connection to the Strata CTX or for simple Hub or LAN connections. Note For more complex LAN, WAN or Internet connections, refer to “Wide Area Networks and/or Internet Connections”...

Page 58: Step 3C: Verify Modem Hardware Settings

Installation Step 3: Set up Modem Connection (Optional) Step 3C: Verify Modem Hardware Settings Using the steps below verify that the modem hardware settings are set correctly to communicate with the CTX built-in modem. 1. Go to Start > Settings (Windows 2000 only) > Control Panel.

Page 59: Step 3D: Set Up Ip Address Of Ctx Winadmin Pc Modem (Windows 2000)

Installation Step 3: Set up Modem Connection (Optional) Step 3D: Set up IP Address of CTX WinAdmin PC Modem (Windows 2000) This setup is only for direct connection to the Strata CTX or for simple Hub or LAN connections. Note For more complex LAN, WAN or Internet connections, refer to “Wide Area Networks and/or Internet Connections”...

Page 60: Step 4: Establish Communication With Strata Ctx

Installation Step 4: Establish Communication with Strata CTX Step 4: Establish Communication with Strata CTX Make sure you have completed the Strata CTX to CTX WinAdmin setup procedures described in the first part of this chapter before proceeding. To ensure your WinAdmin pages will automatically update 1.

Page 61

Installation Step 4: Establish Communication with Strata CTX To establish communication with Strata CTX 1. Open Internet Explorer and point the browser to as shown in http://localhost/Ctmc_Local/Default.htm the figure below or click on the CTX WinAdmin desktop icon. If the Internet Connection Wizard displays, refer to Step 2 under...

Page 62

Installation Step 4: Establish Communication with Strata CTX 6. From the Connection Options Menu (shown at right) enter the following: • Community Name – communityName (entry is case sensitive). This is the default community name for CTX systems. • CTX IP/Name – 192.168.254.253 (NIC).

Page 63: Manual Dialing To Connect To The Ctx Modem

Installation Step 4: Establish Communication with Strata CTX Manual Dialing to Connect to the CTX Modem If the CTX WinAdmin application is running in Windows operating systems and you want to dial in to CTX manually with a bridged telephone (operator-assisted dialing) instead of having CTX WinAdmin dial the phone number, perform the following: Connect to the CTX modem with manual dialing Step 1:...

Page 64

Installation Step 4: Establish Communication with Strata CTX 7. When you hear the modem beep or steady modem tone from the CTX modem, click OK from the Operator Assisted Manual Dial message box and then hang up the bridged telephone. 7028 The WinAdmin and CTX modems will communicate to start the...

Page 65: Step 5: Use Profile To Add Users And Ctx Systems

Installation Step 5: Use Profile to Add Users and CTX Systems Step 5: Use Profile to Add Users and CTX Systems User Management Prerequisite Program: None This program lets only the Administrator add or remove users to CTX WinAdmin. 1. From the Program Menu, click Profile >...

Page 66 Installation Step 5: Use Profile to Add Users and CTX Systems IELD ESCRIPTION User Name Enter the new User name. The initial user name of the Administrator is administrator. This name cannot be changed. Possible values: Alpha characters. Note The Administrator is the only user that can add new users. The administrator user name cannot be changed.

Page 67: Step 6: Set Up Users For Ctx Winadmin Access

Installation Step 6: Set Up Users for CTX WinAdmin Access Step 6: Set Up Users for CTX WinAdmin Access Prior to CTX WinAdmin V2.10G, only Microsoft® Windows® XP or Windows 2000 Administrators could use CTX WinAdmin to make changes. After CTX WinAdmin V2.10G has been installed, you can enable CTX WinAdmin access to Windows Users who are members of the Windows Administrator's group.

Page 68 Installation Step 7: Exit CTX WinAdmin 3-22 Strata CTX Programming - Part 2: CTX WinAdmin Programming 11/03...

Page 69: Cabinet Slot Pcb Assignments

System This chapter provides Strata CTX system programming information for programmers using the CTX WinAdmin programming interface. 100 Cabinet Slot PCB Assignments Prerequisite Program: None All Printed Circuit Boards (PCBs), excluding the system processors, are assigned to cabinet slots. The processor PCBs have dedicated slots in the Base Cabinet which do not require this assignment.

Page 70: Dial Number Plan

System Dial Number Plan Dial Number Plan Prerequisite Program: None The Dial Number Plan lets you download all current dialing numbers registered in the CTX database. The Numbering Plan screen (shown right) gives you details on the different categories of Numbers.

Page 71: Flexible Access Codes

System 102 Flexible Access Codes 102 Flexible Access Codes Prerequisite Program: None Strata CTX comes with pre-assigned Flexible Access Codes that the telephone dials to access features. This enables you to create customized Flexible Access Codes. The Strata CTX Flexible Numbering Plan associates features stored in memory (i.e., "Store Code,"...

Page 72: Creating New Feature Codes

System 102 Flexible Access Codes Creating New Feature Codes 1. Click on the Create button. 2. Enter new feature/access code. Click Ok. WinAdmin will start a refresh cycle, when your complete screen will change to a gray (edit mode) color and the feature/access code will be red. 3.

Page 73 System 102 Flexible Access Codes Table 4-1 Flexible Numbering Plan Default Settings (continued) Feature Default Programmed Flexible Numbering Feature Index Access Code Value Originate Call by System Speed Dial (Index: 000-099) " Originate Call by System Speed Dial (Index: 100-199) Originate Call by System Speed Dial (Index: 200-299) Originate Call by System Speed Dial (Index: 300-399) Originate Call by System Speed Dial (Index: 400-499)

Page 74 System 102 Flexible Access Codes Table 4-1 Flexible Numbering Plan Default Settings (continued) Feature Default Programmed Flexible Numbering Feature Index Access Code Value Activate System Call Forward Cancel System Call Forward Call Pickup -Directed DN Pickup of Ringing or Held DN calls and Call $!(Park Answer $ "#...

Page 75: Public Dial Plan Digit Analysis

System 117 Public Dial Plan Digit Analysis 117 Public Dial Plan Digit Analysis Prerequisite Program: None This program is used to prevent users from circumventing Destination Restriction (DR) by sending tones directly to the PSTN before DR analysis is complete. It defines the number of digits expected in PSTN numbers beginning with identified sequences.

Page 76: Class Of Service

System 103 Class of Service 103 Class of Service Prerequisite Program: None Class of Service (COS) assignments are a registration of feature capabilities to a specific user or group of users. Up to 32 COS feature sets can be registered. 1.

Page 77 System 103 Class of Service IELD ESCRIPTION 15 Directed DN Call Pickup Enable stations to pick up a specified DN. 16 Ext Call Pickup Enable stations to pick up any incoming trunk call. 17 Directed CO Call Pickup Enable stations to pick up a specific incoming trunk call. 18 Remote Retrieve Call Pickup Enable stations to retrieve any call placed on Hold at a designated terminal (PDN).

Page 78: System Timer

System 104 System Timer 104 System Timer Prerequisite Program: None This command assigns the system timers. System timers set a variety of times to control calls and features for the Strata CTX. 1. From the Program Menu click System > System Timer. System Timer Assignment screen displays (shown right).

Page 79 System 104 System Timer IELD ESCRIPTION 09 Dial Input Timer Permits dialed input for a telephone and trunk using DTMF. Possible values: 0~60 sec. (default = 20) 10 Delay 1 Ringing Timer Specifies the time to wait before applying ringing to the designated phones. Possible values: 1~60 sec.

Page 80: System Data

System 105 System Data 105 System Data Prerequisite Program: None This command assigns system settings for your Strata CTX. 1. From the Program Menu click System > System Data. The System Data Assignment screen displays (shown right). 2. Enter System Parameter data using the table below.

Page 81 System 105 System Data IELD ESCRIPTION 09 DR Override by SSD Enable DR Override by System Speed Dial. Possible values: Enable (default) or Disable 10 Auto Station Release Enable Automatic Station Release. Possible values: Enable (default) or Disable 11 ISDN SPID Enable Auto Service Profile Identifier (SPID).

Page 82 System 105 System Data IELD ESCRIPTION 21 Primary Clock Enter data as xxyyzz. 22 Secondary Clock zz=channel 01 if clock source is RPTU or RDTU zz=channel 01, 02, 03 , or 04 if clock source is RBUU/RBUS or RBSU Example: If the Primary Clock Source should be a assigned to an RPTU in cabinet 5, slot 2, enter 050201.

Page 83: System Call Forward

System System Call Forward System Call Forward Program Number(s): 500 and 504 Set up System Call Forward (SCF) parameters using the following programs. 1. Complete the “System Call Forward Record Sheets” page D-6. 2. From the Program Menu, click System > System Call Forward.

Page 84: System Call Forward Operation Status

System System Call Forward 504 System Call Forward Operation Status Prerequisite Program: None This command assigns System Call Forward (SCF) Type for the pattern. IELD ESCRIPTION 00 SCF Number Select the SCF pattern number to configure. Possible values: 1~4 (CTX100), 1~10 (CTX670 Basic), 1~32 (CTX670 Exp.), (default = no value) 01 Telephone Status Select the status or state in which the telephone should be for this system call...

Page 85: System Call Forward Table View

System System Call Forward Table View Copy Dialog Box To copy SCF Destinations to any selected SCF assignment click Copy on the System Call Forward screen. The System Call Forward Range Copy screen displays (shown right). To select the Destination(s) that should be copied 1.

Page 86: System Speed Dial

System 501 System Speed Dial 501 System Speed Dial Prerequisite Program: None System Speed Dial consists of up to 800 pre-programmed numbers each containing up to 32 digits. If the number being entered exceeds the 32 digits, the next speed dial location will automatically be appended to create longer numbers.

Page 87: System Speed Dial Table View

System System Speed Dial Table View System Speed Dial Table View System Speed Dial Table View shows the entire set up for all speed dial numbers. To access the System Speed Dial Table

View Select System > System Speed Dial Table View. “Table Views”...

Page 88: Day/Night Mode Calendar

System Day Night Service 112 Day/Night Mode Calendar Prerequisite Program: 106 on page 4-20 This program enables you to assign Working Day Types for up to 128 unique Calendar Days. These settings override the default system schedules in Strata CTX to enable Day/Night scheduling for unique circumstances.

Page 89: Day/Night Mode Schedule Per Tenant Assignment

System Day Night Service 113 Day/Night Mode Schedule per Tenant Assignment Prerequisite Program: None The Day/Night Mode daily schedule defines the times for the start of the Work Day, Non-work Day, and Holiday for each of the modes (Day, Day2. Night) per Tenant. Each “type of day” defined in “106 Day/ Night Mode “Type of Day”...

Page 90: Pad Table

System PAD Table PAD Table Program Number(s): 107, 108 and 114 Assign PAD groups, PAD Tables and PAD Conference Tables using these programs. 1. From the Program Menu click System > PAD Table. The PAD Table Assignment screen displays (shown right). 2.

Page 91: Pad Group Assignment

System PAD Table Table 4-2 PAD Table PAD Device Number 101 102 131 132 Receiver (Listener) Sender (Speaker) Analog Telephone Analog Trunk T1 Trunk ISDN Station ISDN Trunk Conference Bridge Music Source Ext. Paging PAD Group 1 PAD Group 2 PAD Group 31 PAD Group 32 Notes...

Page 92: Pad Conference Assignment

System PAD Table Table 4-3 PAD Group Device Type Examples Device Device Name Device Number Example Type DKT, SLT, ISDN, Station 0~99999 (PDN) if DKT device = 200, value = 1200. ISDN Trunk 1~128 (Channel Group Number) if Channel Group # = 10, value = 210. Analog Trunk, T1 Trunk 1~264 (Trunk Number) if Trunk # = 120, value = 3120.

Page 93: Password

System 110 Password 110 Password Prerequisite Program: None This command assigns the password. The system has two passwords levels for. Logging into the system with the Level 1 password enables the user to administer all system programs while the level 2 password provides restricted program administration.

Page 94: Music On Hold

System 109 Music on Hold 109 Music on Hold Prerequisite Program: None This command assigns external Music on Hold (MOH) and Background Music (BGM) sources. 1. From the Program Menu click System > Music on Hold. The External Music on Hold Source Assignment screen displays (shown right).

Page 95 System 109 Music on Hold IELD ESCRIPTION MOH/BGM #1 (BECU) For MOH/BGM #1~#7, click in the radio button to enable MOH/BGM for the specified PCB. MOH/BGM #2 (BIOU1-J1) Possible values: Enable (default) or Disable MOH/BGM #3 (BIOU1-J2) MOH/BGM #4 (BIOU1-J3) MOH/BGM #5 (BIOU2-J1) MOH/BGM #6 (BIOU2-J2) MOH/BGM #7 (BIOU2-J3)

Page 96: I/O Device

803 SMDR SMDI CTI Port Assignments This program assigns one of the following: • SMDR and Toshiba Proprietary Integration (TPI) to the logical device and BSIS, RS-232 port numbers. • WinAdmin, ACD server, TPI and Attendant Console to BECU, Network Jack logical device and LAN port numbers.

Page 97 System I/O Device IELD ESCRIPTION Device Port No. Select the Device Port numbers (one port per device). Possible values: For a RS-232 connection: 1~4 (default = 1) For an LAN connection: 1~9 (default = 1) For BLF Networking: 11 For DSS Networking: 12 Notes •...

Page 98: Network Jack Lan Device Assignment

System I/O Device 801 Network Jack LAN Device Assignment Prerequisite Program: 803 on page 4-28 and 804 on page 4-32. This screen assigns Strata CTX LAN parameters, enabling PC

applications to connect to the BECU network jack. 1. From the Program Menu click System >...

Page 99 System I/O Device IELD ESCRIPTION 04 Server Port Number Enter the Server Port Number and proceed to 07 Read Retry Number. This field is required if Server was selected in 02 PC Operation Type above. If not, leave this field blank and proceed to 05 Client IP Address.

Page 100: Bsis Rs-232 Serial Port Setup

System I/O Device 804 BSIS RS-232 Serial Port Setup Prerequisite Program: None Use this screen to setup the RS-232 serial ports on the BSIS PCB. 1. From the Program Menu click System > I/O Device. The Equipment Assignment screen displays. 2.

Page 101: Advisory Messages

System 115 Advisory Messages 115 Advisory Messages Prerequisite Program: None This command specifies a set of messages that users may apply to their telephone to provide status information when others call your station. These messages can be customized to include a directory number, time or date as part of the message.

Page 102: Data Initialize

System 116 Data Initialize 116 Data Initialize Prerequisite Program: None This program is used to initialize the tables of selected programs in the Strata CTX system. 1. From the Program Menu click System > Data Initialize. The Data Initialize screen displays (shown right).

Page 103: Tenant Data Assignment

System 120 Tenant Data Assignment 120 Tenant Data Assignment Prerequisite Program: None This program enables you to select an Attendant or Night Bell to ring when dialing 0 in Day 1, Day 2 or Day 3 mode for up to eight different Tenants. You can also assign the general purpose relay to the Night Bell in this program.

Page 104 System 120 Tenant Data Assignment 4-36 Strata CTX Programming - Part 2: CTX WinAdmin Programming 11/03...

Page 105: Assignment

Station This chapter provides Strata CTX station programming information for programmers using the CTX WinAdmin programming interface. Assignment Program Number(s): 200, 204, 214, 205, 213, 215, 208, 210, 216 and 502 The following programs assign station data. Basic/200 Station Data Prerequisite Program: page 4-1 This command assigns stations to the system.

Page 106 Station Assignment 5. Setup the DN by adding values to the remaining fields. 6. Click Submit. IELD ESCRIPTION 01 PDN Equipment No. Enter the PDN equipment number (xxyyzz). This is the cabinet, slot, and circuit number of the ADKU, BDKU/BDKS, PDKU, or RSTU interface PCB to which the the PDN is, or should be assigned.

Page 107 Station Assignment IELD ESCRIPTION 10 Call Waiting Tone Select desired waiting tone for Offhook Campon. Possible values: None (default), Singular or Continuity 11 Dialing Progress Select type of Tone to hear after dialing LCR access code Tone Possible values: Dial Tone (default), Entry Tone or Silence 12 System Call Select the System Call Forward Group number.

Page 108 Station Assignment IELD ESCRIPTION 23 Travelling COS Enable this station with the privilege to change the Travelling COS Override Code. Change Possible values: Enable or Disable (default) 24 TGAC Override Enable Trunk Group Access Code (TGAC) override (for Attendant console) from this station.

Page 109 Station Assignment IELD ESCRIPTION 37 Set Call Forward When the handset is picked up, the user will hear stutter dial tone if a call forward is Dial Tone enabled. 38 Dialling Digit After the Extension has made a call it can be prevented from dialling any Restriction subsequent digits.

Page 110: Station Pdn Selective Copy

Station Assignment Station PDN Selective Copy This screen provides you the option of selecting either all or some of the parameters to be copied to the destination PDNs. Using this screen you

can do any of the following functions: • Copy to multiple destination PDNs. •...

Page 111: Dkt Parameters

Station Assignment 204 DKT Parameters Prerequisite Program: page 5-1 This command is used to set up DKT digital telephones station parameters. 1. Use the “DKT Parameters Record Sheet” page D-12 to record your desired DKT settings. 2. From the Program Menu, click Station >...

Page 112 Station Assignment IELD ESCRIPTION 03 Key Strip Type Select the number of feature buttons to assign to this station. Note Although the scroll down menu enables you to choose any value from 1~24, valid values are 10, 14 and 20. Possible values: 1, 3, 10, 14 or 20 (default) Applies 1, 3, 10, 14, or 20 button keystrip type to digital telephones.

Page 113 Station Assignment IELD ESCRIPTION 13 Off Hook Select Off Hook Preference. Preference Possible values: Idle, Ringing, Prime, No Preference, Prime and Idle, Prime and Ringing or Ringing and Idle (default) When a digital telephone user goes off hook, presses the Spkr Button or dials a digit while the telephone is idle (Hot Dial Pad), the telephone will select an idle PDN or Line button, or answer an incoming call, according to the preferences set in this command.

Page 114 Station Assignment IELD ESCRIPTION 15 Ringing Preference Ringing call answer preference. Possible values: Longest or Call Type (default) • Longest Ringing - any call type - Calls are answered in order of the longest ringing line no matter what type of call (FIFO). •...

Page 115 CTX because we do not support downward compatibility of CTX database. If you attempt downgrading, the entire Program 204 will be lost. Toshiba recommends keeping the current database for emergency situations. We guarantee upward compatibility of the database, so you can upgrade the system without any problems.

Page 116 Station Assignment Feature Button Patterns)%□□ The following tables show the various feature button patterns available for above. Table 5-1 20 Button (when FB03 value is 20) PATTERN1 PATTERN2 PATTERN3 FB01 Primary DN Primary DN Primary DN FB02 CO 1 CO 1 No Data FB03...

Page 117 Station Assignment Table 5-3 14 Button (when FB03 value is 14) PATTERN1 PATTERN2 PATTERN3 FB01 Primary DN Primary DN Primary DN FB02 CO 1 No Data No Data FB03 CO 2 No Data No Data FB04 CO 3 No Data No Data FB05 CO 4...

Page 118: Dss Console Assignment

Station Assignment 214 DSS Console Assignment Prerequisite Program: page 5-1 This assignment allows up to eight Direct Station Selection (DSS) Consoles to be assigned to a station. The assignment is referenced to the stations’s Primary DN. 1. From the Program Menu, click Station >...

Page 119 Station Assignment Program Number(s): 205, 213, and 215 Prerequisite Program: page 5-1 and 204 page 5-7 The Feature Button assignments enable each button on the telephone to be addressed and coded to represent a function or feature to be performed. Some feature buttons require additional parameters to completely define the key (e.g., a Phantom DN needs a directory number, ringing assignment, and the tone pitch when ringing occurs).

Page 120 Station Assignment • Copy – After entering the source DN in the Primary DN field, click Copy and designate which FB buttons to copy (click the DKT Phone header to select all). Enter the destination DN and click OK. (Range is permitted.) •...

Page 121 Station Assignment 5. Click on the FB to program (the button turns from yellow to red). 6. Click the desired option from the blue parameter buttons on the right. • Directory No – Assign a Primary DN key, Secondary/Phantom DN, Phantom DN Message Waiting, or DSS key to this FB.

Page 122 Station Assignment Cross Copy This function is available only with CTX WinAdmin Release 2.1 software and above. Use the following steps to cross copy keys from one station to the keys of another stations key pad: 1. From the Key Page, enter the Prime DN.

Page 123 Station Assignment Directory Number Sub-parameters IELD ESCRIPTION Primary

DN 1. Select Ringing Assignment for Day1, Day2 and Night. Possible values: No Ring, Immediate Ring, Delayed Ring1 and Delayed Ring2. 2. Select Tone Pitch. Possible values: 1~4 (default = 1) Secondary/Phantom DN 1.

Page 124

Station Assignment CO Lines Sub-parameters IELD ESCRIPTION 1. Select CO Line #. Possible values: 1~264 (CTX670), 1~64 (CTX100) (default = no value) 2. Enter Owner DN. Possible values: Any string up to 5 digits 3. Select Ringing Assignment for Day1, Day2 and Night. Possible values: No RIng, Immediate Ring, Delayed Ring1 and Delayed Ring2.

Page 125: Timer

Station Assignment Timer Program Number(s): 208 Prerequisite Program: page 5-1 Assigns timing parameters to Primary DNs. 1. Complete the “Station Data Record Sheets” page D-18. 2. From the Program Menu click Station > Assignment. 3. Click on the Timer tab (shown right).

Page 126: Emergency Ringdown Assignment

Station Assignment IELD ESCRIPTION 06 Second Interdigit Select the amount of time the system waits between dialed digits before terminating a Timer call (ROT is heard). Possible values: 1~180 (default = 5) 07 Ring Xfer No Select the Ring Transfer Idle station or Busy station (Camp-on) Recall Time (in seconds) Answer Timer Possible values: 1~600 (default = 32) Emergency Ringdown Assignment...

Page 127: Phantom Dn

Station 206 Phantom DN 206 Phantom DN Prerequisite Program: page 5-1 This command assigns Phantom DN parameters. 1. Complete the “Phantom DN Record Sheet” page D-16. 2. From the Program Menu, click Station > Phantom DN. The Station Phantom DN screen displays (shown right).

Page 128

Station 206 Phantom DN IELD ESCRIPTION 06 VM ID Code Enter the voice mail box number that should answer calls when this PhDN calls voice mail; or, when this PhDN is called and then forwards to voice mail (This number is prefixed by codes in Program 579, Possible values: Digits 0~9, and #, up to 10 characters (default = no value).

Page 129: Hunt Group

Station 209 Hunt Group 209 Hunt Group Prerequisite Program: page 5-1 This command assigns Station Hunting Group data. 1. Complete the “Hunt Group Record Sheet” page D-17. 2. From the Program Menu, click Station > Hunt Group. The Station Hunt Group displays. 3.

Page 130: Station Hunt Assignments

Station 209 Hunt Group IELD ESCRIPTION 06 Muitple DN Hunt Enable if hunt group is created for multiple DN operation. Multiple DN hunt groups should be circular with no pilot number. Possible values: Enable or Disable (default) 07 DHG Auto Camp-on Whether to execute Automatic Camp On to the Distributed Hunt Group or not.

Page 131: Hunt Group Table View

Station Hunt Group Table View IELD ESCRIPTION 02 DN By selecting the Insert button you can add a new DN to the Hunt Group’s Hunt Order. Enter the desired DN in the pop-up dialog box. To modify an existing entry, use the Modify button as described above. Possible values: Up to 5 ASCII characters (default = no value) 03 DN Set Type Modify (replace) an existing assignment.

Page 132: Paging Group

Station Paging Group Paging Group 502 Terminal Paging Group Assignment Prerequisite Program: page 5-1 Assigns Primary DNs to Paging Group(s). 1. From the Program Menu click Station > Page Group. 2. Enter a DN number in the Primary DN field..or select an existing record by clicking one of the following buttons:...

Page 133: Paging Group Table View

Station Paging Group Table View Paging Group Table View Paging Group Table View enables you to view all paging groups and its members. To access the Paging Group Table View Select Station > Paging Group Table View. “Table Views” page 2-6 for table functionality.

Page 134: Pickup Group

Station 210 Pickup Group 210 Pickup Group Prerequisite Program: page 5-1 The Call Pickup Group assignment specifies which group numbers this station will participate when either the Group Call Pickup or the Group Directed Call Pickup features are invoked. A user may be assigned to more than one group.

Page 135: Multiple Call Group

Station Multiple Call Group Multiple Call Group To set up Multiple Call/Delayed Ringing you must have a Multiple Call (MC) Group set in Program 517. You can register up to 25 calling members for every MC Group in Program 518. You can set each member to be Immediate, Delayed Ring 1, or Delayed Ring 2.

Page 136: Call Forward Activation

Station Multiple Call Group Call Forward Activation System and Station Call Forward can be set up for each MC Group. The Call Forward Remote Access Code is used to activate or de-activate Station Call Forward of MC Group. System Call Forward is activated/deactivated using CTX WinAdmin.

Page 137: Multiple Calling Members Assignment

Station Multiple Call Group 518 Multiple Calling Members Assignment Prerequisite Program: Use this program to assign members to a group. 1. From the Program Menu, click Station > Multiple Calling Group. 2. Click the Member tab. 3. Select the Index Number, then enter the Member DN.

Page 138: Station Speed Dial

Station 516 Station Speed Dial 516 Station Speed Dial Prerequisite Program: page 5-1 Up to 100 pre-programmed Speed Dial numbers (up to 32 digits each) can be assigned to each station. Speed Dial numbers are stored in “Bins” and each station accesses the Speed Dial numbers by entering the Speed Dial Bin number from their respective stations.

Page 139: Station Speed Dial Table View

Station Station Speed Dial Table View IELD ESCRIPTION 02 Number This is the dialable number stored in the speed dial bin. Possible values: Up to 32 digits, 0~9, *, # and Pauses (default = no value) To enter pauses enter Px, where x equals 0~9 (seconds), which is the length of the pause, 0=10 seconds.

Page 140: Pdn Table View

Station PDN Table View PDN Table View This screen shows the entire list of available PDNs (shown right). To access the Station Speed PDN Table View Select Station > PDN Table View. Note “Table Views” page 2-6 for table functionality. ISDN The following programs assign ISDN data to stations.

Page 141 Station ISDN • Change DN – Enter a DN in the Primary DN field and click Change DN to assign a new DN to the ISDN BRI Station. 3. Set up ISDN BRI Station using the Program Detail table below. 4.

Page 142 Station ISDN IELD ESCRIPTION 09 BRI Station QPL Select the BRI Station QPL assignments. • Day1 QPL Possible values: 1~16 (default = 1) • Day2 QPL • Night QPL 08 LCR Group Select the LCR Group number to which this BRI Station belongs. Possible values: 1~16 (default = 1) 10 Speech Capability Enable speech capability.

Page 143 Station ISDN IELD ESCRIPTION 21 Number Voice Calls Select the Number of Voice Calls Allowed. If a selection is not made, previously written Allowed data in this field is erased. Possible values: One or Two (default) Note If One is selected, the other channel is reserved for Data. 22 Service Tone Enable Service Tone Permission.

Page 144: Isdn Station Data

Station ISDN 217 ISDN Station Data Prerequisite Program: page 5-36 Set ISDN Station parameters to define ISDN capabilities. 1. Complete the “ISDN Station Data Record Sheet” page D-20. 2. From the Program Menu, click Station > ISDN > Station Data. The ISDN Individual Station Data Assignment screen displays (shown right).

Page 145: Setup Wizards

Station Setup Wizards IELD ESCRIPTION 09 VMID Code SMDI Enter the voice mail box number that should answer calls when this PDN calls voice mail; or, when this PDN is called and then forwards to voice mail (this number is prefixed by codes in Program 579, 11~16).

Page 146: Multiple Dn Assignment Wizard

Station Setup Wizards 2. Click Start. The Primary DN Setup Wizard screen displays (shown right). 3. Select the appropriate radio buttons and enter the data in the other fields. • Range of associated PDN equipment. • Selection to overwrite the existing PDNs.

Page 147 Station Setup Wizards Make sure you know exactly how many multiple DNs should be on each telephone before Important! using this wizard. After running the Multiple DN wizard, deletions or additions to Multiple DN assignments must be made manually, one-by-one, for each telephone PhDN button and Multiple DN hunt group.

Page 148: Vmid Range

Station Setup Wizards The screen changes to the one shown at right. Important! • This is a report that provides the Multiple DN assignments that will be sent to the CTX. • Ensure that this information is correct before you click Continue. You can change the assignments by clicking Back.

Page 149 Station Setup Wizards 1. Select Station > Setup Wizard > VMID Range. 2. The VMID Range Setup Wizard displays (shown at right). 3. Click Start. The input screen of the VMID Range Setup Wizard displays (shown at right). 4. Select the type of VMID that should be assigned to the PDN, PhDN or Pilot DN.

Page 150 Station Setup Wizards 5-46 Strata CTX Programming - Part 2: CTX WinAdmin Programming 11/03...

Page 151: Incoming Line Group

Trunks This chapter provides trunk programming information for Strata CTX. 304 Incoming Line Group Program Number(s): 304 Incoming Line Groups (ILG) is a line selection feature which enables the use of external trunk or private line groups for incoming service. 1.

Page 152: Incoming Line Group Assignment

Trunks 304 Incoming Line Group 304 Incoming Line Group Assignment Prerequisite Program: None This assignment is used to configure ILGs only, OLGs are configured in the Outgoing Line Group Assignment 306. The same line can be placed in an ILG and OLG. IELD ESCRIPTION 00 Group Number...

Page 153 Trunks 304 Incoming Line Group IELD ESCRIPTION 14 Ringing Timer Delay 2 Select time to ring the Delay 2 destination. Possible values: 1~60 sec. (default = 24) 15 Interdigit 1 Timer Select Interdigit 1 timer value. Possible values: 1~180 sec. (default = 15) 16 Interdigit 2 Timer Select Interdigit 2 timer value.

Page 154: Outgoing Line Groups

Trunks 306 Outgoing Line Groups IELD ESCRIPTION 28 Emergency Call Group Used to enable E911 calling across a QSIG network. The QSIG ILG is assigned to an Emergency Call Group in the same way a station is in Program 200 FB17. Without this assignment, the call will not attempt to complete to one of the trunks in the Emergency Group and will result in an abandoned call.

Page 155 Trunks 306 Outgoing Line Groups IELD ESCRIPTION 01 Group Type Select the OLG Type. Possible values: Analog (default) or ISDN 02 Trunk Type Select the Trunk Type. Possible values: CO (default) or Tie 03 Private Service Type TIE Trunk Service Type. Possible values: Standard (default) or QSIG 04 GCO Key1 Number Select the first GCO Key Group number.

Page 156: Trunk Assignment

Trunks 300 Trunk Assignment 300 Trunk Assignment Prerequisite Program: page 4-1 Assigns an analog or T1 trunk (line) and its parameters to the system. Click on each tab to navigate through the programs. The trunks assigned to the equipment display on the left of the screen.

The first column displays the trunks used and the second column displays the equipment.

Page 157

Trunks 300 Trunk Assignment IELD ESCRIPTION 01 Line Equipment No. Enter the line equipment number as xxyyzz. Equipment numbers are required when assigning a new trunk to the system. It can also be used to display the equipment location of existing trunks. Example: If the trunk should be connected to an RCOU in cabinet shelf 5, slot 2, circuit 3, enter 050203.

Page 158: Caller Id

Trunks 300 Trunk Assignment IELD ESCRIPTION 10 External Ring Repeat This option determines what ring signal is sent to telephones when a line rings the telephone. Select CO Ring Repeat (“Supplied” in older versions of software) to use the ring signal supplied by the CO or Centrex line. Select CTX Ring (“Not Supplied” in older versions of software) to use the standard ring signal supplied by the CTX.

Page 159: Trunk Timer

Trunks 300 Trunk Assignment IELD ESCRIPTION Trunk Number Enter the Trunk Number. Possible values: 1~64 (CTX100), 1~96 (CTX670 Basic), 1~264 (CTX670 Exp.), (default = no value) 01 Signaling Method Specify the format for the interface being used. Possible values: Nothing (default), ANI/DNIS-MCI, ANI/DNIS-Sprint or CLASS (Caller ID) 02 Signaling Contents Specify the contents of the ANI/DNIS format.

Page 160

Trunks 300 Trunk Assignment IELD ESCRIPTION Line No. Enter the trunk equipment number. Possible values: xx = Cabinet 01~07; yy = Slot 01~10; zz = Circuit 01~08 or zz=T1 Circuit 01~24 (CTX670) xx = Cabinet 01; yy = Slot 01~08; zz = Circuit 01~24 (CTX100) (default = no value) Note Equipment numbers are required when assigning a new trunk to the system.

Page 161: Dit Assignment

Trunks 300 Trunk Assignment 310 DIT Assignment Prerequisite Program: page 6-6 This program assigns DIT Number Analysis Table for DIT trunks. DIT trunks are ground and loop start trunks. 1. Complete the “Trunk Timer/DIT Record Sheet” page D-27. 2. From the Program Menu, click Trunk >...

Page 162

Trunks 300 Trunk Assignment IELD ESCRIPTION 01 Day1 Destination Type Select Destination Type for each. 02 Day2 Destination Type Possible values: : No Data (default), Dialing Digits, DISA, Built-in Modem, or Night 03 Night Destination Type Bell • No Data – no destination will ring when the line rings into the system. •...

Page 163: Direct Inward Dialing

Trunks 309 Direct Inward Dialing 309 Direct Inward Dialing This command assigns DID number analysis tables to ILGs. 1. Complete the “DID Assignment Record Sheet” page D-25. 2. From the Program Menu, click Trunk > DID. The Trunk DID Assignments screen displays (shown right).

Page 164

Trunks 309 Direct Inward Dialing IELD ESCRIPTION Audio Day1 Destination Enter the Destination Directory Number or Access Code. Audio Day2 Destination Possible values: Up to 32 digits (default = no value) Audio Night Destination If Dialing Digits is the Destination Type enter the Directory Number that the line should ring.

Page 165

Trunks 309 Direct Inward Dialing IELD ESCRIPTION 15 VM Dial Enter the VM mail box number which should answer calls for this DID/DNIS number. Possible values: Digits 0~9, and #. For a pause enter Px, where x=0~9 (seconds), up to 10 characters (default = no value). This mail box number will be sent to voice mail on a DID/DNIS call that rings directly to voice mail;...

Page 166: Did Intercept Assignments

Trunks 318 DID Intercept Assignments 318 DID Intercept Assignments Prerequisite Program: page 6-2 This command assigns the DID Routing table when DID numbers are undefined or not received. 1. Complete the “DID Intercept Assignment Record Sheet” page D-26. 2. From the Program Menu, click Trunk >...

Page 167

Trunks 318 DID Intercept Assignments IELD ESCRIPTION 05 Audio Day1 Dst Type Select the Audio/Speech call Day1 destination type. 06 Audio Day2 Dst Type Possible values: No

Data (default), Dialing Digits, DISA, Built-in Modem or Night 07 Audio Night Dst Type Bell •...

Page 168

Trunks 318 DID Intercept Assignments IELD ESCRIPTION 12 DID/DNIS Name Enter DNIS Name. DNIS names can be assigned from the CTX WinAdmin (not from programming phones). Possible values: Up to 16 ASCII characters (default = no value) 15 DID/DNIS No. DTMF Enter the VM mail box number which should answer calls for this DID/DNIS number.

Page 169: Service

Trunks Service Service Program Number(s): 311 and 319 These commands assign Assigns Direct Inward System Access (DISA) properties. 1. From the Program Menu, click Trunk > Service. The Trunk Services screen displays (shown right). 2. Enter Program 311 data. 3. Enter Program 319 data. 4.

Page 170: T1 Trunk Card

Trunks 315 T1 Trunk Card IELD ESCRIPTION 01 Day1 Destination Type Select Destination Type for each. 02 Day2 Destination Type Possible values: None (default), Dialing Digits or Night Bell 03 Night Destination Type Day1 Destination Enter Destination for each. Day2 Destination Possible values: Up to 32 ASCII characters (default = no value) Night Destination •...

Page 171: Did/Dnis Table View

Trunks DID/DNIS Table View IELD ESCRIPTION 02 Frame Format Select the Frame Format. Possible values: SF Mode or ESF Mode (default) 04 Receive PAD Select the Receive PAD values. Possible values: None, Plus 6 dB, Plus 3 dB, Zero dB (default), Minus 3 dB, Minus 6 dB, Minus 9 dB, Minus 12 dB or Minus 15 dB 05 Send PAD Select the Send PAD values.

Page 172

Trunks ISDN 1. This command assigns ISDN BRI Trunks. 1. Complete the “ISDN BRI Station Record Sheets” page D-19. From the Program Menu, click Trunk > ISDN > BRI. 2. Enter Channel Group number ...or click one of the following buttons: •...

Page 173

Trunks ISDN IELD ESCRIPTION 03 ILG ILG assignments must be made for basic ISDNs to process the calls being received. Possible values: 0~32 (CTX100), 0~50 (CTX670 Basic), 0~128 (CTX670 Exp), (default = no value). 04 OLG OLG assignments must be made for basic ISDNs to process the calls being originated.

Page 174

Trunks ISDN IELD ESCRIPTION 18 T-Wait Timer Enable the T-Wait Timer. This field is needed if you selected National ISDN in Protocol above. This timer, used along with the SPID, assigns random initializing SPID times to prevent BRI interfaces from re-initialize at the same time after a reset or power outage.

Page 175: Pri And Ip Qsig

Trunks ISDN 302 PRI and IP QSIG Prerequisite Program: page 4-1 The PRI (RPTU, BPTU) and IP QSIG (BIPU-Q) interface cards need to have a number of assignments for defining its operation. These include assigning which channels are available for use and the location of the D-channel or signaling channel.

Page 176

Trunks ISDN IELD ESCRIPTION 01 RPTU Equipment No. Enter the ISDN RPTU, BPTU or BIPU-Q equipment number as xxyyzz. Possible values: xx = cabinet 01; yy = 03, 05, or 07; zz = Circuit 01 ...or xx = cabinet 02~07; yy = 01, 03, or 05; zz = Circuit 01 (default = no value) Cabinet numbers: CTX100: Select 01 for Base and Expansion cabinet.

Page 177

Trunks ISDN IELD ESCRIPTION 07 D Ch Position PRI includes a 64-kbps D-channel (for transfer of signal information). Select the channel position to be used for D channel signaling. Note This field is used only when the span interface speed is 1.5M. If the span interface speed is 2M the value is fixed at 16.

Page 178

Trunks ISDN IELD ESCRIPTION 25 RBT on Incoming Call Enable Ringback Tone when terminating a call. This field is only valid for Nat’l ISDN. Possible values: Enable or Disable (default) 26 Network Mode Set this span as Master or Slave for Layer 2 of a QSIG PRI. The opposite value must be set for the node in which this QSIG PRI terminates.

Page 179: Call-By-Call

Trunks ISDN Call-by-Call Program Number(s): 324 and 323 Call-by-Call service allows multiple

facilities to share a PRI channel group. Traffic requirements of different facilities vary at different times, and sharing B channels on a Call-by-Call basis makes it possible to use fewer B channels to perform an equivalent service to the discrete counterpart. 1.

Page 180 Trunks ISDN IELD ESCRIPTION 04 Service Parameter Enter the Service parameters supplied from PSTN. If no data is entered in this field, any previously entered data is deleted. Possible values: Up to 5 digits (default = no value) 05 Network ID Enter the Network ID code supplied from PSTN (this field is required if you selected “Inter LATA Out WATS”...

Page 181: B Channel

Trunks ISDN 320 B Channel Prerequisite Program: page 6-25 PRI interfaces are purchased on per interface and channel basis. The B channel assignments allow for a flexible activation of channels to match the subscribed services from the PSTN. 1. Complete the “B Channel Select Record Sheet”...

Page 182: Shared D Channel

Trunks ISDN 316 Shared D Channel Prerequisite Program: page 6-25 The PRI Interface can be extended to include an additional PRI card to expand the total number of channels to 47 on a Channel Group. This second PRI may optionally offer a backup D channel. 1.

Page 183: Calling Number

Trunks ISDN Calling Number Program Number(s): 321 and 322 When calls are made using ISDN services, the telephone number for which the call originates must be identified to the PSTN. 1. Complete the “Calling Number Record Sheets” page D-33. 2. From the Program Menu, click Trunk >...

Page 184 Trunks ISDN 322 Called Number Table Prerequisite Program: page 6-4 When calls are received from the PSTN, a Called Number is supplied as part of the Setup Message. This Called Number may be used for directing the call to the appropriate service with Strata CTX. IELD ESCRIPTION OLG Number...

Page 185: Trunk Did/Dnis Setup Wizard

Trunks Trunk DID/DNIS Setup Wizard Trunk DID/DNIS Setup Wizard This wizard enables you to assign Direct Inward Dialing / Dialed Number Identification Service (DID/ DNIS) to ILGs quickly and easily. The wizard automatically takes you through the different programs and parameters required.

Page 186 Trunks Trunk DID/DNIS Setup Wizard 4. If you clicked Create in Step 3, the Create New DID/DNIS ILG screen displays (shown at right). Fill in the three fields on the screen and click Create Now. The DID/DNIS Number Range Wizard screen displays with the new information.

Page 187 Trunks Trunk DID/DNIS Setup Wizard 2. (Optional) Click DID/DNIS Table View to view existing DID/DNIS assignments. For more details, see “DID/DNIS Table View” on page 6-21. 3. When finished, click Next. Step 3: Assign DID/DNIS Number Audio Destinations for ILG 2 1.

Page 188 Trunks Trunk DID/DNIS Setup Wizard IELD ESCRIPTION Destination Type Select the type of destination: DISA - to call in and receive DISA dial tone. Built-in modem - to call in directly to the CTX modem with CTX WinAdmin. Night Bell - to call in and close the BIOU or ACTU night bell control relay. Dialing Digits - to call in and: •...

Page 189 Trunks Trunk DID/DNIS Setup Wizard Step 4: Assign DID/DNIS VMID Codes for ILG 1. From the Step 4: Assign DID/DNIS Number VMID Codes for ILG 2 screen, assign VMID codes for all DID/DNIS numbers in the selected ILG. See field descriptions below. 2.

Page 190 Trunks Trunk DID/DNIS Setup Wizard 6-40 Strata CTX Programming - Part 2: CTX WinAdmin Programming 11/03...

Page 191: Attendant Group Assignment

Attendant This chapter provides programming information for Strata CTX Attendants. 404 Attendant Group Assignment Prerequisite Program: None This program establishes Attendant Groups, distribution methods and alternate destinations. 1. Complete the “Attendant Group

Record Sheet” page D-34. 2. From the Program Menu, click Attendant >...

Page 192 Attendant 404 Attendant Group Assignment IELD ESCRIPTION 04 Group Overflow Enter the overflow destination for this attendant group. If no data is entered in this Destination field, any previous entries are overwritten. Possible values: Up to 32 digits (default = no value) 05 VMID Code SMDI Enter the Attendant’s Voice Mail ID code.

Page 193: Emergency Call Destination Assignment

Attendant 400 Emergency Call Destination Assignment 400 Emergency Call Destination Assignment Prerequisite Program: None This command assigns Emergency Call destinations to Emergency Call groups. There is one group for each Day mode (Day1, Day2 and Night). 1. From the Program Menu, click Attendant >...

Page 194 Attendant 400 Emergency Call Destination Assignment Strata CTX Programming - Part 2: CTX WinAdmin Programming 11/03...

Page 195: System Ip Data Assignment

IP Telephone Programming All programs and features found in this chapter require CTX Release 2.0 software or higher and WinAdmin Release 2.1 software or higher. This covers IP and 2B-channel conference programming. For CTX IP Telephone Programming guidelines, refer to Appendix A –...

Page 196 IP Telephone Programming 150 System IP Data Assignment IELD ESCRIPTION 02 Terminal Enable this parameter if you want to reserve the PDNs on IP Telephones Authentication system wide. When “enable” is set, terminal authentication by MAC address of IPT is valid. So if another IPT with the same PDN is connected to the network, CTX rejects the registration of this IPT because the MAC address of IPT is different.

Page 197 IP Telephone Programming 150 System IP Data Assignment IELD ESCRIPTION 07 IEEE802.1p Enable IEEE802.1p priority control if voice packets on an Ethernet LAN should be prioritized with priority tagging. Higher priority, time-critical BIPU\IPT voice traffic can have preferential treatment when other traffic is running at best effort.

Page 198: Bipu Configuration

IP Telephone Programming 151 BIPU Configuration 151 BIPU Configuration This program is used to set up the IP address of the specific BIPU card to support the IP-Telephone. BIPU card must be assigned before configuring the specific BIPU card. 1. From the Program Menu, click IP-Telephone >...

Page 199: Voice Packet Configuration Table Assignment

• Whenever Voice Packet Configuration Table changes are made for IP telephones on IP QSIG nodes, Toshiba recommends pressing the reset button on the BIPU to assure the changes take effect. IELD...

Page 200 IP Telephone Programming 152 Voice Packet Configuration Table Assignment IELD ESCRIPTION 02 Jitter Buffer Type The default values for the selected codec is recommended. If the voice quality is not as expected you can change the jitter buffer type of DSP on BIPU. Possible values: Fixed, Sequential, or Adaptive The default values are: G.711 = Adaptive, G.729A = Sequential (recommended).

Page 201: Ipt Data Assignment

IP Telephone Programming 250 IPT Data Assignment 250 IPT Data Assignment Program 250 is used to set up the IP address of the specific IP phone card to support IP-Telephone feature. The IP Phone Prime DN must be assigned using Program 200 before you configure the BIPU card. 1.

Page 202 IP Telephone Programming 250 IPT Data Assignment IELD ESCRIPTION 05 Station Terminal Apply this parameter if you want to reserve a PDN for the IP Telephone connected Authentication Mode at the present time. When ‘apply’ is set, terminal authentication by MAC address of IPT is valid.

Page 203: Bipu-M And Ipt Program Update

Appendix E – Software and Firmware Updates on page E-1). You can update the BIPU-M using WinAdmin. You cannot update BIPU-Q. If you need to update BIPU-Q, return it to Toshiba. WinAdmin automatically disables the BIPU before any BIPU/IPT program update and preserves the initial state of the BIPU (idle or disable) after program update is done.

Page 204: Bipu Program Update

IP Telephone Programming BIPU-M and IPT Program Update External FTP When FTP server is “External FTP,” not CTX - Smart Media, nor WinAdmin machine, users will have to provide all the information in the FTP information group. The External FTP Server must be used if IPT, BIPUs and/or CTX WinAdmin do not have the Important! same subnet address.

Page 205: Ipt Program Update

IP Telephone Programming BIPU-M and IPT Program Update IELD ESCRIPTION User Name Enter the user name of the account created on the FTP server. Password Enter the password for the account created on the FTP server. IP Address Enter the IP address of the FTP server machine. Data Directory Enter the name of the FTP virtual directory on the FTP server.

Page 206 IP Telephone Programming BIPU-M and IPT Program Update Programming 1. From the Program Menu, click IP-Telephone > IPT Program Update. The IPT Program Update screen displays (shown right) 2. Select BIPU card slot. 3. Select IPTs to be updated. 4. Repeat step 2 and 3 for multiple BIPU/IPT updates.

Page 207: Pilot Dn Assignment

Services This chapter covers a variety of services offered by Strata CTX. Automatic Call Distribution (ACD), Voice Mail, Destination Restriction (DR), Least Cost Routing (LCR), Networking, Station Message Detail Reporting (SMDR), External Devices, System Parameters and other miscellaneous services are discussed. Important! Advanced Strata CTX programming topics are covered in this chapter.

Page 208: System Voice Mail Data

Services 540 Pilot DN Assignment IELD ESCRIPTION Pilot DN Pilot DNs are directory numbers that have no physical appearance. They are true virtual numbers. They can be used in CTI and Voice Mail applications. In ACD, Pilot Numbers are used as ACD group numbers. In Voice Mail applications they are used to call directly to or transfer calls directly to specific voice mail boxes - this is done by setting VM as the alternate destination and using the VMID to send the call to a specific VM box.

Page 209 Possible values: 80 ms (default) or 160 ms 09 LCD Control of Voice Enables Toshiba Proprietary Integration (TPI) for Soft Key Control of VM. TPI and Mail Soft Key Control of Voice Mail requires Stratagy Enterprise Server Release 3.x or higher.

Page 210: Voice Mail Port Data

Services 540 Pilot DN Assignment IELD ESCRIPTION 11 CF - All Call Record Enter DTMF VM-ID prefix string for calls arriving to voice mail via “Call Fwd All Calls.” Possible values: Up to 4 ASCII characters (default = 91) 12 CF - Busy Record Enter DTMF VM-ID prefix string for calls arriving to voice mail via “Call Fwd Busy.”...

Page 211 Services 540 Pilot DN Assignment IELD ESCRIPTION 00 VM Port DN Enter the DN of an individual VM port. For direct transfer to voice mail, enter the remote Node ID and Pilot DN. Note Do not enter a Pilot DN. This feature is available only with CTX Release 1.3 or higher software and with CTX WinAdmin Release 1.3 or higher software.

Page 212: Destination Restriction/Least Cost Routing

Services Destination Restriction/Least Cost Routing Destination Restriction/Least Cost Routing The Guide Pages and programs that follow control Strata CTX’s Destination Restriction (DR) and Least Cost Routing (LCR) capabilities. Programming DR/LCR features in Strata CTX requires an advanced knowledge of telephone programming.

Page 213: Basic Operation

Services Destination Restriction/Least Cost Routing Basic Operation The flow chart below describes the basic logic by which calls are connected or rejected as a result of DR. Facility dials

outside number DR Applies to Access Method OLG? Consult DR/LCR Consult DR/OLG Screening Table Screening Table Digit Manipulation...

Page 214 Services Destination Restriction/Least Cost Routing Tables Strata CTX uses two or three tables to apply DR: Screening Tables. There are two types of screening tables as follows: • • LCR Screening Tables. • OLG-Specific Screening Tables. DR Table or Exception Table to the DR Table. •...

Page 215 Services Destination Restriction/Least Cost Routing DR Table Each DRL is associated with a DR Table that defines the destinations to which a holder of that DRL is entitled to place a call. Permission may be expressed in Allow or Deny tables depending on the field technician's choices.

Page 216: Destination Restriction Guide Page

Services Destination Restriction Guide Page Destination Restriction Guide Page Use the Destination Restriction (DR) guide pages to program Destination Restriction. 1. From the Program Menu, click Services > DR Guide Page. The Destination Restriction Guide Page opening screen displays (shown right). 2.

Page 217 Services Destination Restriction Guide Page Programs 531/650 – Centrex/ PBX DR Screening table. Use this program to define Centrex/PBX line access codes. It defines what DR action should be applied after users dial the Centrex/PBX line access code ("Bypass" or "Skip and Apply" DR).

Page 218: Dr Digit Table Setup

Services Destination Restriction Guide Page DR Digit Table Setup Programs 111/532/533/534 – DRL Assignments (shown right). Use this screen to define Destination Restriction tables for each DRL. It combines the following programs into a single screen for viewing, editing and copying DR tables.

Page 219 Services Destination Restriction Guide Page Program 200 – Station Data. Set the COS options that are related to DR and other outgoing call features. Program 105 – System Parameters. Set the system parameters related to DR and other outgoing call options.

Page 220 Services Destination Restriction Guide Page Program 509 – System Speed Dial DRL level. Set the DRL, COS, FRL and OPL level that should be applied when users dial outgoing calls using system speed. This must be enabled in 105-09, system parameters.

Page 221: Lcr Overview

Services LCR Overview LCR Overview LCR Analysis Process The flowchart below represents the process by which Strata CTX analyzes dialed digits and makes LCR decisions. The graphic is divided into four areas each described below. DR and call connection are described elsewhere in this document and are shown here only for their roles in the LCR process.

Page 222: Route Analysis

Services LCR Guide Page Route Analysis Route Analysis chooses a Route Plan based on the dialed digits. The Routing Analysis Plan becomes the index into the time/date calculations described in the next section. If the Strata CTX is unable to match the dial string, it uses the default route plan which assures a route out of the system.

Page 223: Lcr Dialing Setup

Services LCR Guide Page LCR Dialing Setup Program 102 – Flexible Access Codes Use this program to change the LCR access code. The default LCR access code is 9. You can change the default access code to any number from 0~9, *, and/or #.

Page 224: Lcr Route Plan Setup

Services LCR Guide Page LCR Route Plan Setup Program 520 – LCR Local Route Plan Assignments. Use this program to select which LCR route plan is used for local calls. Programs 521 and 522– Route Plan Digit Analysis Table. Use this program to assign Analysis and Exception digits (digit strings) to route plan tables.

Page 225 Services LCR Guide Page Programs 526 and 525 – Route Definition and Modified

Digits Assignments. Use these programs to assign OLG groups and modified digit tables to Route Definitions. Program 524 – Route Choice Table Assignments. Use this program to assign Route Definitions to Route Choice Tables.

Page 226 Services LCR Guide Page Program 523 – LCR Route Schedule Assignments. Use this program to define the Route Schedule for each Route Plan. Table Buttons on this screen Notes • Clicking table buttons display exclusive and dynamic tables. You can move these tables anywhere on the screen by clicking the blue title bar and dragging it to a desired location.

Page 227: Lcr Day Of Week And Time Zone Setup

Services LCR Guide Page LCR Day of Week and Time Zone Setup Program 528 – LCR Days of the Week Assignments. Use this program to assign each day of the week as a Weekday, Weekend or Holiday. Program 529 – LCR Route Time Zone Assignments.

Page 228: Lcr Cos And Station Setup

Services LCR Guide Page LCR COS and Station Setup Program 103 – Class of Service. Use this program to enable or disable LCR in COS feature sets. Program 200 – Station Data. Use this program to assign stations to COS feature sets and LCR station groups.

Page 229: Lcr/Dr

Services LCR/DR LCR/DR LCR Assignment Program Number(s): 520, 521 and 522 User access to LCR is determined by programming the following: 103 COS Assignment – 29 LCR Feature (see page 4-9) enables access to LCR COS. • 200 Station Assignment – 07 LCR Group (see page 5-2) assigns a station to an LCR Group.

Page 230 Services LCR/DR 521 LCR Route Plan Digit Analysis Assignment Prerequisite Program: page 9-23 This program builds the basic LCR Analysis Table. IELD ESCRIPTION 00 Analysis Digits Enter the external digit strings (area codes, toll prefixes, service codes, etc.) to be assigned to a Route Plan Analysis Table. Strings may be up to 32 digits long.

Page 231: Route Define

Services LCR/DR Route Define Program Number(s): 524, 525 and 526 Define the participants in the LCR Route Plan.Complete the “Route Choice Definition Record Sheet” page D-42. 1. From the Program Menu, click Services > LCR/DR > Route Define. 2. Enter Program 524 data. 3.

Page 232 Services LCR/DR 525 LCR Route Definition Assignment Prerequisite Program: page 9-23 This command assigns Route Definitions for LCR. A Route Definition consists of an OLG and a Digit Modification index. IELD ESCRIPTION 00 Route Definition Select the Route Definition number. Possible values: 1~128 (default = no value) 01 OLG Number Select the OLG Number associated with this Route Definition.

Page 233: Route Schedule

Services LCR/DR Route Schedule Program Number(s): 523 and 528 1. Complete the “Route Schedule Record Sheets” page D-35. 2. From the Program Menu, click Services > LCR/DR > Route Schedule. 3. Enter Program 523 data. 4. Enter Program 528 data. 5.

Page 234 Services LCR/DR 528 LCR Public Day of Week Mapping Table Prerequisite Program: page 9-23 This command defines the days of the week as weekdays, weekend days or holidays for LCR. IELD ESCRIPTION 01 Monday Select the Day Type to assign to this day. Possible values: Weekday (default), Weekend or Holiday 02 Tuesday 03 Wednesday...

Page 235: Public Holidays And Lcr Time Zones

Services LCR/DR Public Holidays and LCR Time Zones Program Number(s): 527 and 529 1. Complete the “LCR Time Zone Record Sheets” page D-37. 2. From the Program Menu, click Services > LCR/DR > Public Holidays and LCR Time Zones. 3. Enter Program 527 data. 4.

Page 236: Lcr/Dr Screening

Services LCR/DR LCR/DR Screening Program Number(s): 530 and 531 These programs enable and set up screening for DR and LCR. 1. Complete the “DR LCR Screening Record Sheet” page D-38. 2. From the Program Menu, click Services > LCR/DR > LCR/DR Screening.

Page 237 Services LCR/DR IELD ESCRIPTION 04 Digit Modification Select Digit Modification application. Action Possible values: • Apply – (default) Apply Digit Modification from the first digit. • Retain – Retain the skipped digits and apply Digit Modification starting from the next digit specified by Skip Length. •...

Page 238: Destination Restriction

Services LCR/DR Destination Restriction Program Number(s): 532, 533, 534 and 111 Assign DR features for the Strata CTX. 1. Complete the “DR Record Sheets” page D-39. 2. From the Program Menu, click Services > LCR/DR > Destination Restriction. 3. Enter 00 DR Level (DRL). 4.

Page 239 Services LCR/DR 534 DRL Exception Table Assignment Prerequisite Program: 533 above This program assigns a DRL Exception Table to an existing DRL table. If the DRL Table is an allow table, its Exception Table must be a deny table and vice versa. IELD ESCRIPTION 00 Destination Restriction...

Page 240: Drl Table View

Services LCR/DR DRL Table View The DRL table view enables you to view all programmed DRLs. This table is a read only table. To access the DRL table view From the Program Menu, click Services > LCR/DR > DRL Table View.

Page 241: Account Codes

Services LCR/DR Account Codes Program Number(s): 570, 506 and 571 Assign Account Code data to Strata CTX. 1. Complete the “Strata Net Private Networking” page 9-39. 2. From the Program Menu, click Services > LCR/DR > Account Codes. 3. Enter Program 570 data. 4.

Page 242 Services LCR/DR 506 Verified Account Codes Prerequisite Program: page 9-35 This program adds or deletes entries in the DR Table associated with the DRL entered in Step 3 on 9-32. IELD ESCRIPTION Account Code Enter a valid accounting code that the user will be expected to dial. Digits 0~9 can be used.

Page 243: Dr Override By System Speed Dial

Services LCR/DR 509 DR Override by System Speed Dial Prerequisite Program: None This command assigns the COS, DRL, FRL and QPL values used by DR Override by Speed Dial. 1. From the Program Menu, click Services > LCR/DR > DR Override by System Speed Dial.

Page 244: Cos Override Assignment

Services LCR/DR 510 COS Override Assignment Prerequisite Program: None Assigns Class of Service Overrides and their parameters (COS, FRL, DRL, QPL). 1. Complete the “COS Override Code Record Sheet” page D-40. 2. From the Program Menu, click Services > System Param > COS Override. 3.

Page 245: Networking

QSIG Toshiba has adopted QSIG as the basis for Strata Net. QSIG is an open, international standard for networking PBXs. It was begun in 1994 with a memo of understanding between twelve leading PBX manufacturers. The QSIG Handbook can be found on the web at http://www.qsig.ie/. The standards were...

Page 246: Network Directory Number

Services Networking Network Directory Number A Network Directory number consists of two elements: the Node ID and the local directory number. A Node ID is a string of 1 to 6 digits that identifies one node on the network. A Network DN may be a simple concatenation of the two elements in which the complete Node ID precedes the complete extension or the two elements may overlap.

Page 247: Digit Manipulation

Services Networking Digit Manipulation Digit Manipulation is the term for the altering of an original string of dialed digits in order to re-route a call or connect it to a specific service. Digit Manipulation is usually applied to the leading digits in the string which appear left-most in written form.

Page 248: Coordinated Numbering Plan

Services Networking Coordinated Numbering Plan A Coordinated Numbering Plan rationalizes the dialing patterns required of network users and relieves them of the need to know complicated access codes to navigate the network. The basic mechanism is the Network Directory Number described above. The combination of Node ID and Directory Number appear to the user as simple extension dialing.

Page 249: Centralized Voice Mail

Services Networking Centralized Voice Mail Users in multiple network nodes may use the services of a single voice mail system attached to one node. The network transmits the Voice Mail ID (VMID) for remote stations and the calling conditions under which the call is being directed to voice mail (Call Forward All Calls, Busy, etc.).

Page 250: Network Busy Lamp Field (Blf) (R1.3 And Higher)

Services Network Busy Lamp Field (BLF) (R1.3 and higher) Network Busy Lamp Field (BLF) (R1.3 and higher) Network BLF is an indication on the CTX Attendant Console and Digital Telephones that an extension is Busy, Idle or in DND over different nodes. With software release 1.3 and higher, the Primary CTX can read the BLF information from the remote CTXs.

Page 251: Network Attendant Console Blf

Services Network Busy Lamp Field (BLF) (R1.3 and higher) Network Attendant Console BLF Follow these steps to program Network BLF and Figure 9-1: Remote Remote Primary (CTX670-2) (CTX100) (CTX670-1) Program 656 Program 656 Program 656 QSIG QSIG Node ID: 16 Node ID: 17 Node ID: 18 Program 916 - Set...

Page 252 Services Network Busy Lamp Field (BLF) (R1.3 and higher) Program Network BLF from WinAdmin for CTX Attendant Console Step 1: Perform the all of the following steps on the local CTX first, then repeat them on each of the remote CTXs. 1.

Page 253 Services Network Busy Lamp Field (BLF) (R1.3 and higher) From CTX Attendant Console Set up BLF Network Step 2: Important! Complete Step 1:“Program Network BLF from WinAdmin for CTX Attendant Console” page 9-46 before you begin the following steps. 1. Click Administration view. 2.

Page 254: Network Dss/Blf For Digital Telephones

Services Network Busy Lamp Field (BLF) (R1.3 and higher) Network DSS/BLF for Digital Telephones Follow these steps to program Network BLF/DSS and Figure 9-2: Remote Remote Primary (CTX670-2) (CTX100) (CTX670-1) Program 656 Program 656 Program 656 QSIG QSIG Node ID: 17 Node ID: 18 Node ID: 16 Program 916 - Set...

Page 255 Services Network Busy Lamp Field (BLF) (R1.3 and higher) Programming Network BLF from WinAdmin for Digital Telephones Perform the all of the following steps on the local CTX first, then repeat them on each of the remote CTXs. 1. Create the Node ID in “102 Flexible Access Codes”...

Page 256: Network Dss (R1.3 And Higher)

Services Network Busy Lamp Field (BLF) (R1.3 and higher) Network DSS (R1.3 and higher) When you set up Network DSS, you assign the DSS numbers in the primary CTX first. Then, once you network the remote CTXs, they will use the DSS numbers set in the primary CTX. An example of how to set up Network DSS is shown in Figure 9-3.

Page 257 Services Network Busy Lamp Field (BLF) (R1.3 and higher) Program Network DSS from WinAdmin 1. Create the Node ID in “102 Flexible Access Codes” page 4-3. If you have already created the Node ID using QSIG, skip Step 1 and go to the next step. Note 2.

Page 258: Network Feature Content

Services Network Feature Content Network Feature Content The following is a list of Strata CTX features that operate across multi-node Strata Net connections. Account Codes Forced/Voluntary/Verified* Do Not Disturb * • • Automatic Busy Redial* Do Not Disturb Override* • •...

Page 259: Configuration

Services Configuration Configuration RPTU2 PCB The Strata CTX uses a new Primary Rate Interface PCB that can terminate either a Strata Net connection or a public PRI: the RPTU-2A. The RPTU-2A is backwardly compatible with the RPTU-1A for standard ISDN operation. The mode of operation (standard or QSIG) is controlled by a programming parameter named “Private Service Type.”...

Page 260: Node Id Assignment

Services 656 Node ID Assignment 656 Node ID Assignment Prerequisite Program: page 4-3 This program assigns up to four Network Node IDs to process incoming network calls. Each Node ID has an overlap code. Strata CTX will substitute the Overlap Code for the Node ID before processing the call further.

Page 261: Remote Node Data Assignment

Services 670 Remote Node Data Assignment 670 Remote Node Data Assignment This command assigns the Remote node data (requires R1.3 and higher). 1. From the Program Menu, click Services > Networking > Remote Node Data. 2. Enter Program 670 data. 3.

Page 262: Private Routing Plan Analysis

Services 651 Private Routing Plan Analysis 651 Private Routing Plan Analysis Prerequisite Program: page 9-54 and 306 page 6-4 Assigns the Node IDs to Route Choice Tables for Private Networking. 1. Complete the “Private Routing Plan Analysis Table Record Sheet” page D-48.

Page 263: Private Route Definition Table Assignment

Services Private Route Choice Definition 653 Private Route Choice Table Assignment Prerequisite Program: None Use this command to define a Private Route Choice Table. A Private Route Choice Table contains up to six Route Definitions. The system will step through these Route Definitions in terminating hunt fashion to find a route to the desired private networking node.

Page 264: Mapping

Services Mapping Mapping Program Number(s): 657, 658, 659 and 660 The following programs map network and primary COS, DRL, FRL and QPL settings to each other. 1. Complete the “Network Mapping Record Sheets” page D-50. 2. From the Program Menu, click Services >...

Page 265: Network Drl/Frl/Qpl Mapping Tables

Services 661 Network DN Table Assignment 658/659/660 Network DRL/FRL/QPL Mapping Tables Prerequisite Program: None These commands are used to establish two mapping tables to equate local DRLs, FRLs and QPLs with network DRLs, FRLs and QPLs for both outbound and inbound network calls. IELD ESCRIPTION Type...

Page 266: Network Dss Notify Data Delete

219 Network DSS Notify Data Delete This program lets you disable the DSS function for the node ID entered in this screen. Don’t use this program unless requested by Toshiba Technical Support. Important! 1. From the Program Menu, click Services > Networking > Network DSS Notify Data Delete.

Page 267: Strata Net Qsig Over Ip

Services Strata Net QSIG Over IP Strata Net QSIG Over IP To use programs 671 and 672, refer to “Strata Net over IP Programming Guidelines” page A-13. 671 IP Address Convert Table 1. From the Program Menu, click Services > Networking > Network Over IP. 2.

Page 268: Node Id Detail Information

• Whenever Node ID assignment change are made for IP telephones or IP QSIG Node IDs, Toshiba recommends pressing the reset button on the BIPU to assure the changes take effect.

Page 269 Services Strata Net QSIG Over IP IELD ESCRIPTION 03 TCP Connection Select whether to release TCP connection when the Call was released. TCP Release release should be enabled for normal IP calling operation. This parameter must match on both nodes of an end-to-

end connection on the IP network.

Page 270: Miscellaneous

Services Strata Net QSIG Over IP Miscellaneous The Strata CTX system can monitor SMDR, Call History and Behind Centrex. Use the following programs to set up these services. SMDR The following enable programming for SMDR, Call History and Behind Connection settings. Program Number(s): 512, 513 and 514 The following programs assigns system-wide SMDR parameters.

Page 271 Services Strata Net QSIG Over IP 513 SMDR for ILG Assignment Prerequisite Program: None This program assigns SMDR parameters for ILGs. IELD ESCRIPTION 00 Incoming Line Group Specify the ILG for which to set SMDR parameters. (ILG) Possible values: 1~32 (CTX100), 1~50 (CTX670 Basic), 1~128 (CTX670 Exp.), (default = no value) 01 Generate SMDR Enable to generate records for this ILG...

Page 272 Services Strata Net QSIG Over IP 577 Caller History Prerequisite Program: None Accounting Codes need to be specified for the number of digits that are expected to be used for registering the number. This allows the dialing within the system to proceed automatically once the correct account code is dialed, the following numbers are then dialed digits used for making the phone call.

Page 273 Services Strata Net QSIG Over IP 1. Complete the “Behind Centrex Assignment Record Sheet” page D-52 below. 2. From the Program Menu, click Services > Miscellaneous > Behind Centrex Assignment. 3. Click Submit. IELD ESCRIPTION 00 OLG Number Select OLG that is attached to a Centrex (or other PBX). Possible values: 1~32 (CTX100), 1~50 (CTX670 Basic), 1~128 (CTX670 Exp.), (default = no value) 01 Behind Centrex...

Page 274: External Devices

Services External Devices External Devices Door Phones Program Number(s): 507, 576 and 508 This command assigns Door Phone parameters. 1. Complete the “Door Phone Assignment Record Sheet” page D-53. 2. From the Program Menu, click Services > External Device > Door Phones.

Page 275 Services External Devices IELD ESCRIPTION Door phone numbering for CTX670 only is as follows: • DDCB 3 provides door phone numbers 7~9, 8 can be a door phone or door lock. • DDCB 4 provides door phones 10~12, 11can be a door phone or door lock. •...

Page 276 Services External Devices IELD ESCRIPTION 06 Day1 Destination Select the type of destination that should ring when the door phone button is pressed during the system Day1, Day2 or Night mode. 07 Day2 Destination Possible values: None (default), DN or 08 Night Destination Paging Group 1~4 (CTX100);...

Page 277 Services External Devices IELD ESCRIPTION 02 BIOU Relay Number Assign BIOU control relay as a Door Lock Relay. This relay activates when the Door Lock button is pressed or a Door Lock access code is dialed. Possible values: 0~8 (default = 0) BIOU1 provides control relays 1~4 BIOU2 provides control relays 5~8.

Page 278: View Biou Control Relay Assignments

Services External Devices 515 View BIOU Control Relay Assignments Prerequisite Program: page 4-1, and 105 page 4-12 This assignment is used to view functions of the four control relays on each BIOU PCB set in Program 105 12 Night Relay and 18 Night Bell Relay; Program 508 Door Lock Control Assignment; and Program 503 19 BGM Mute Relay.

Page 279: Paging Devices Group Assignments

Services External Devices 503 Paging Devices Group Assignments Prerequisite Program: page 5-28 Assigns BIOU Page Zone Relays to Page Groups. 1. Complete the “Paging Device Group Assignment Record Sheet” page D-54. 2. From the Program Menu, click Services > External Device > Paging Devices. 3.

Page 280: Enhanced 911 Emergency Call Group

Services 550 Enhanced 911 Emergency Call Group 550 Enhanced 911 Emergency Call Group Prerequisite Program: Program 105 This command assigns OLGs to the Enhanced 911 Emergency Call Group. 1. Complete the “Emergency Call Group Assignment Record Sheet” page

D-55. 2. From the Program Menu, click Services > Enhanced 911.

Page 281: System Setup

Operation This chapter discusses CTX WinAdmin's operational programming functions. System Setup Program Number(s): 900, 901, 902 and 915 These programs enable programmers to simulate system Power Off/On, initialize Strata CTX, check software versions and set system clock and date. 1. From the Program Menu, click Operation >...

Page 282: Ctx Restart

Clicking on this button invokes an Initialize Level 1 sequence which erases programmed data and enters default data into the Strata CTX System. If a Toshiba SmartMedia is installed in the available slot, using this option restores data from backed up data from the SmartMedia (see...

Page 283: Display Version

The Active software does not always have to be the same as the Standby software, although the Active and Standby software versions may be the same when you receive it from Toshiba. DTMF, BBMS, BEXS, The check marks in these boxes indicate the hardware that is installed on the Strata BSIS, Ethernet, and CTX processor.

Page 284: Regional Selection

Operation 908 SmartMedia 915 Regional Selection Prerequisite Program: None This program enables you to select the country. IELD ESCRIPTION Country Select Country. Possible values: USA, Canada and Mexico. 908 SmartMedia This program enables you to format and perform file management tasks on a SmartMedia card while it is installed in the CTX processor.

Page 285 Operation 908 SmartMedia 1. Install the SmartMedia Card into the SmartMedia slot of the Strata CTX processor. 2. From the Program Menu, click Operation > SmartMedia. 3. Click one of the following: • Normal Format – creates any CTX SmartMedia folder that does not exist already.

Page 286: Ctx Smartmedia Folders

Operation 908 SmartMedia Smart Media Card FTP File Management 1. The Smart card files can be copied from the Smart media card to your CTX WinAdmin PC and vice versa using the CTX WinAdmin Smart Media FTP function. The Smart Media card must be installed in the CTX processor and formatted using Program 908 before it can be used.

Page 287: Smartmedia Errors

10 minutes to an hour or more, depending on the system size. • Requires a different system software Update file (provided on the Toshiba FYI site), depending on the type of CTX system and the type of Update that will be performed.

Page 288 911 Remote Program Update Step 1: Download and Extract CTX Software The latest released version of CTX system software Update files are posted on the Toshiba FYI site http://fyi.tsd.toshiba.com. To download the software files, follow the procedure below. Step 1A: To download CTX System Software Files from FYI 1.

Page 289 Operation 911 Remote Program Update Step 2: Perform CTX WinAdmin Remote Program Update This program enables you to send the new CTX system software to the CTX processor standby memory (CTX670) or SmartMedia card (CTX100) while the system is in use without interrupting service. After the new software is loaded into memory it can be activated at any time.

Page 290 Operation 911 Remote Program Update To perform the Update 1. Connect the CTX WinAdmin PC to the Strata CTX system that should be updated via LAN or modem. 2. From the Program Menu, click Operation > Program Update. The Program Update screen displays. 3.

Page 291 Operation 911 Remote Program Update 11. From the message screen that displays after the Remote Program Update files have been sent to the CTX, click OK or Cancel. Clicking OK starts the Clear-reboot process and activates the new software immediately. Clicking Cancel enables you to activate the software later.

Page 292 Operation 911 Remote Program Update Important! If power is turned off/on or if

the Strata CTX is re-started before switching the Active software from “Trial” to “Normal”, the CTX670 will switch the old software back to Active. It is your responsibility to verify the system is working correctly after Remote Update is complete. Notes If the new version of software is not performing properly, on the CTX670 only, you can activate the old version of software again by initiating a Clear-reboot.

Page 293: Data Backup

Operation 910 Data Backup 910 Data Backup Prerequisite Program: on page 4 This program enables you to backup programmed data from Strata CTX to a SmartMedia Card. 1. Install the SmartMedia Card into the designated slot of the Strata CTX processor. The SmartMedia card must be Note formatted by Strata CTX and...

Page 294: Ip Configuration

Operation 916 IP Configuration 916 IP Configuration Prerequisite Program: None This program displays Network Communication IP address configuration. This program applies to the Strata CTX Network (NIC) jack connection only. It does not apply to the CTX maintenance modem. To change TCP/IP settings see “Step 2B: Set Up IP Address of CTX NIC”...

Page 295: Ftp User Accounts

Operation FTP User Accounts FTP User Accounts Prerequisite Program: None This program establishes up to four FTP users for the built-in Strata CTX FTP server function located on the Strata CTX processor. These Strata CTX FTP accounts allow FTP access to the Strata CTX SmartMedia card.

Page 296: File Information

Operation File Information File Information Prerequisite Program: None This program enables you to view lists of Alarm and Administration files stored on the Strata CTX SmartMedia card. See “908 SmartMedia” page 10-4 for more information about these files. 1. From the Program Menu, click Operation >...

Page 297: Community Name

Operation Community Name Community Name Prerequisite Program: None This program enables you to create and set up a Community Name (or passwords) to allow access to specific Strata CTX systems. 1. From the Program Menu, click Operation > Community Name. 2.

Page 298: Mac Address

Operation 909 MAC Address IELD ESCRIPTION Administrator Level Select Administrator Level. This level is to assign the community name or IP address to an internal Strata CTX access level. Possible values: Super User (default) or Ordinary User Notes • Super User – Strata CTX allows the user access to all Strata CTX commands. Super Users can only view ordinary user community names and their own community name but not other Super User community names.

Page 299: Trap Destinations

Operation Trap Destinations Trap Destinations Prerequisite Program: None This program enables you to setup Trap IPs. 1. From the Program Menu, click Operation > Trap IP Setup. 2. Select a Trap IP Index number or click Add to add a Trap IP index. 3.

Page 300: License Control

The License Code will have to be generated from Toshiba’s FYI website (http://fyi.tsd.toshiba.com). After obtaining the License code from FYI save it as a Text file. Cut and paste the License code obtained from Toshiba’s FYI website. The License Code is made up of the MAC Address and the number of ports.

Page 301: License Activate

Operation License Information License Activate Prerequisite Program: 913 above This program enables activation of CTX WinAdmin licenses issued in Program 913. IELD ESCRIPTION Delay Timer Select Activation Delay Timer in hours. Possible values: 0~24 (default = 0) Notes • Enter 0 to issue or activate the license immediately or 1~24 to set the automatic delay activation feature, where 1 = 1 hour delay;...

Page 302 This identifies the CTX Processor hardware size Configuration Small: ACTU,

supports CTX100 Base + Expansion cabinet and CTX670. ACTU2A-S, supports the CTX100-S. BBCU\BECU without BBMS\BEXS, supports CTX670 Base + one Expansion cabinet. Large CTX670: BBCU\BECU with BBMS\BEXS, supports CTX670 Base + six...

Page 303: Quality Of Service

By running traces when tests are conducted on your Strata CTX system, you ensure that data are being kept in the event your system encounters a problem. This data can be sent to Toshiba Tech Support for analysis and troubleshooting.

Page 304

7. Locate the Crash Dump in the errlog folder. File extensions are .exp and .mnl and append to your hard drive. 8. E-mail the files to your Toshiba support person. If you start recording trace data after a problem occurs, the previous data is overwritten. Make sure the required data files are stored to SmartMedia and saved to disk prior to starting another trace.

Page 305: Event Trace Control

Possible values: Start Trace or Stop Trace (default) Size Set the trace data size. Toshiba recommends leaving this parameter at the default setting which provides approximately 15 minutes of trace data. Possible values: 1~256 bytes with 1 unit = 16 bytes (default = 2) Category Select Trace data type to be stored.

Page 306: Isdn Trace Location

Maintenance Event Trace Control 904 ISDN Trace Location ISDN protocol event trace collection conditions are established using this program. Note This trace can be performed on BSU and PTU cards only. IELD ESCRIPTION Cabinet/Slot/Port Enter the Equipment Location to be traced (xxyyzz). Possible values: xx = Cabinet 01~07;...

Page 307: Error Alarm Log

Maintenance Error Alarm Log Error Alarm Log Prerequisite Program: None This program enables you to trace errors and alarms in Strata CTX. 1. Install the SmartMedia Card into the designated slot of the Strata CTX processor. 2. From the Program Menu, click Operation >...

Page 308: System Admin Log

Maintenance 907 System Admin Log IELD ESCRIPTION Search Result Search results are displayed in this field. 907 System Admin Log Prerequisite Program: None Use this command to Start/Stop the System Admin Log. When running this program, make sure to insert the SmartMedia card into the appropriate slot.

Page 309: Components

Maintenance Components Components Prerequisite Program: None The following programs enable you to monitor the status of individual Strata CTX slots and ports. This is the main system slot/port monitor. The Components screen allows each cabinet card slot and each card slot port to be monitored, enabled or disabled. The card slot and port failure codes are provided in the Table below.

Page 310

Maintenance Components Table 11-2Status Column Error Codes Component Type Status Code Description Expansion Cabinet Cabinet power failure Line/Station/Option PCB Card PCB set in Program 100, but not installed Port (ISDN) ISDN loss of signal Port (ISDN) ISDN frame sync failure Port (ISDN) ISDN AIS Port (ISDN-U)

Page 311: Tools

Tools and Profile This chapter discusses Tools and Profile to customize and manage your Strata CTX System. Tools The download tool provided in CTX WinAdmin enables you to download databases stored in system memory into a CTX WinAdmin folder named “Download”. These downloaded databases can then be viewed in your PC to check for errors or other anomalies.

Page 312: Profile

Tools and Profile Profile Profile The Programs included in the Profile menu enables you to change GUI display settings in CTX WinAdmin and change the system IP Address. Customize Prerequisite Program: None Customize the look and feel of CTX WinAdmin using this program. 1.

Page 313

726+,%$ Telecommunication Systems Division Digital Business Telephone

Systems Part 3: Telephone Button Programming November 2003...

Page 315: Record Sheet Overview

Telephone Button Programming This chapter discusses the button programming interface provided with Strata CTX. This chapter also includes Button Programming examples, procedures, and tables to program 100~800 series programs. This chapter has tables that list programs sequentially by program number. Tables found below a program table contain required information for the above program.

Page 316: Telephone Button Overview

Telephone Button Programming Telephone Button Overview Telephone Button Overview Strata CTX programmers can access programming mode from any DKT LCD telephone, except DKTs connected to an RDSU. A 20-button telephone (shown below) is required to ensure full access to all programming parameters.

Page 317: Telephone Button Commands

Telephone Button Programming Telephone Button Overview Telephone Button Commands 1. Use the following buttons to execute the commands: +ROG • – Enter. 3DJH 6FUROO • – Scroll up or down. 6SNU • – This delimiter moves cursors between sub-parameter values. •...

Page 318

Telephone Button Programming Telephone Button Overview Programming Sub-parameters Some commands enable programming of Sub-parameters to further refine Strata CTX settings. Internet or Network IP addresses are entered using sub-parameter data. IP addresses are displayed as four three-digit values, or Octets, separated by “periods” (e.g.,).

Page 319: Button Programming Examples

Telephone Button Programming Button Programming Examples Button Programming Examples The following examples show you how to use the Strata CTX button programming interface. Toshiba highly recommends the use of Strata CTX WinAdmin to meet the demands of your telephone system programming.

Page 320: Program 204

Telephone Button Programming Button Programming Examples Program 204 Reference “Program 204” page 34 and review Summary column field descriptions. This program enables you to setup the DKT parameters. 1. Enter programming mode. See “Step 1: Enter Program Mode page 13-7." +ROG 2.

Page 321: Button Programming Procedure

Telephone Button Programming Button Programming Procedure)%□□ +ROG 5. Press . Press to set ABR to attempt redials in 60 second increments and press)%□□ +ROG 6. Press . Press to set the ABR Recall Timer and press)%□□ +ROG 7.

Page 322

Telephone Button Programming Button Programming Procedure Program Program Name Number Class of Service System Timers System Parameters Day/Night Mode Day of Week Mapping PAD Table Assignment PAD Group Assignment Music on Hold Password Assignment Destination Restriction Level Day/Night Mode Calendar Day/Night Mode Daily Schedule PAD Conference Table Assignment Advisory Messages...

Page 323

Telephone Button Programming Button Programming Procedure Program Program Name Number DID Delete Caller ID Assignment T1 Trunk Card Shared D Channel ISDN BRI Trunk DID Intercept Assignment Intercept Treatment B Channel Position ISDN Primary Trunk Calling Number Identification ISDN Calling Number Table Call by Call Service CBC Time Zones Emergency Call Destination Assignment...

Page 324

Telephone Button Programming Button Programming Procedure Program Program Name Number Pilot DN Assignment Pilot DN Delete Enhanced 911 Emergency Call Group Number Account Code Digit Length Exception Numbers for Forced Account Codes Delete Door Phone Door Phone Night Ring Over External Page Caller History System Voice Mail Data Voice Mail Port Data...

Page 325: Series Programs

Telephone Button Programming 100 Series Programs 100 Series Programs Table 13-1 Program 100 Button Sequence Value(s) Summary Card Slot Assignment C□yq 100-00 Card Slot Assignment xx = Cabinet: 01~02 (Basic Equipment Number yy = CTX670 and CTX100) C□yq xxyy, 01~07 Expanded CTX670 Slot: 01~8 (CTX100) 01-10 (CTX670) 100-01...

Page 326 Telephone Button Programming 100 Series Programs Table 13-2 PCB Codes Assigned Assigned Code PCB Type Circuit/Type Code PCB Type Circuit/Type Name Name REMU No Card or None 4 Circuits Delete Card BVPU RCOU 4 Loop Lines RBSU 2 S/T interfaces RGLU2 8 Gnd./Loop Lines RSTU2...

Page 327 Telephone Button Programming 100 Series Programs Table 13-4 Flexible Numbering Plan Default Settings (continued) Feature Default Programmed Flexible Numbering Feature Index Access Code Value Æ%□(DND -Local Activation Æ%□(! DND -Local Cancellation Æ% (DND -Remote Activation Æ% (! DND -Remote Cancellation Æ...

Page 328 Telephone Button Programming 100 Series Programs Table 13-4 Flexible Numbering Plan Default Settings (continued) Feature Default Programmed Flexible Numbering Feature Index Access Code Value Æ& Outgoing Call by Directing Individual Trunk I□□r Outgoing Call by Directing Outgoing Line Group Æ#(# Three Way Conferencing (Override to Tandem Connection) Æ('&% Enter User Programming Mode...

Page 329 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 Button Sequence Value(s) Summary Class Of Service Class of Service assignments are a registration of feature capabilities the user is entitled to use. Each assignment is defined as Enabled or □"...

Page 330 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 (continued) Button Sequence Value(s) Summary 103-16 Ext Call Pickup n1 = 1. Enable (default) The privilege to pick up any incoming trunk call. 2. Disable A7 % C□yq C□yq , n1, 103-17 Directed CO Call n1 =...

Page 331 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 (continued) Button Sequence Value(s) Summary 103-36 Allow Hook Flash n1 = 1. Enable (default) The privilege to receive hook flash over CO Lines and to allow 2. Disable telephones to hook flash. A7"% C□yq C□yq , n1,...

Page 332 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 (continued) Button Sequence Value(s) Summary 104-14 Emergency Call Timer 10~180 sec. The Emergency Call timer sets a time (10 ~ 180 seconds) for advancing the call to the next station in a list of destinations for the A7 # C□yq C□yq , n,...

Page 333 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 (continued) Button Sequence Value(s) Summary 105-06 Credit Card Code Up to 32 digits Enter the number dialed to initiate a Credit Card Call. This is normally “0” in the USA. A7□% C□yq C□yq...

Page 334 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 (continued) Button Sequence Value(s) Summary 105-18 Night Bell Relay Assign BIOU Relay (1~8) as the Night Relay - this relay activates when the A7 ' C□yq C□yq , n, (default = 0) system is in the Night Mode.

Page 335 Telephone Button Programming 100 Series Programs Table 13-5 Programs 103~107 (continued) Button Sequence Value(s) Summary 105-26 Call Button Jumping 1. Enable (default) If enabled, line calls move from a telephone DN button to a line button 2. Disable after they are answered. After the call is answered, the DN button is A7!% C□yq C□yq...

Page 336 Telephone Button Programming 100 Series Programs Table 13-6 PAD Table PAD Device Number Receiver (Listener) Sender (Speaker) Analog Telephone Analog Trunk T1 Trunk ISDN Station ISDN Trunk Conference Bridge Music Source Ext. Paging PAD Group 1 PAD Group 2 PAD Group 31 PAD Group 32 Notes 1.

Page 337 Telephone Button Programming 100 Series Programs Table 13-9 Programs 109~114 Button Sequence Value(s) Summary Music on Hold. This command assigns external

Music on Hold (MOH) and Background Music (BGM) sources. C□yq 109-01 MOH/BGM #1 1. Enable (default) Enable this assignment if MOH source #1 is connected to the system (BECU) 2.

Page 338 Telephone Button Programming 100 Series Programs Table 13-9 Programs 109~114 (continued) Button Sequence Value(s) Summary Destination This command establishes a Destination Restriction Level (DRL). Restriction Level C□yq 111-00 DRL Number 1~16 Enter the DRL number (1~16) C□yq 111-01 Credit Card Calling n1 = 1.

Page 339 Telephone Button Programming 100 Series Programs Table 13-9 Programs 109~114 (continued) Button Sequence Value(s) Summary 113-09 Night Mode/Holiday hh = hour (00~23) Enter the start time for Night Mode for the Holiday type of day. Enter mm = minute (00~59) “9999”...

Page 340 Telephone Button Programming 100 Series Programs Table 13-12 Data Initialize Programs Program Program Name Page # Number System Call Forward Assignment LCR Local Route Plan Assignment LCR Route Plan Digit Analysis Assignment LCR Exception Number Route Plans LCR Route Plan Schedule Assignment Route Table to Route Definition Assignment LCR Route Definition Assignment Modified Digits Table Assignment...

Page 341 Telephone Button Programming 100 Series Programs Table 13-13 Program 117 Button Sequence Value(s) Summary Tenant Data This program enables you to select an Attendant or Night Bell to ring Assignment when dialing 0 in Day 1, Day 2 or Day 3 mode for up to eight different Tenants.

Page 342: Series Programs

Telephone Button Programming 200 Series Programs 200 Series Programs Table 13-14 Programs 200~202 Button Sequence Value(s) Summary Station Data This command assigns stations to the system. C□yq 200-00 Primary DN Up to 5 digits Primary DN (enter an existing PDN or enter a PDN you wish to create for a new station).

Page 343 Telephone Button Programming 200 Series Programs Table 13-14 Programs 200~202 (continued) Button Sequence Value(s) Summary 200-08 Station QPL 1~16 QPL for Day1. • Day1 QPL QPL for Day2. • Day2 QPL QPL for Night. • Night QPL A7□' T□x□ , n, , n, T□x□...

Page 344 Telephone Button Programming 200 Series Programs Table 13-14 Programs 200~202 (continued) Button Sequence Value(s) Summary 200-23 Travelling COS 1. Enable Privilege to change the Travelling Class of Service Override Code. Change 2. Disable A7!" C□yq , n, 200-24 TGAC Override 1.

Page 345 Telephone Button Programming 200 Series Programs Table 13-14 Programs 200~202 (continued) Button Sequence Value(s) Summary 200-41 Activate Message 1. Enable This feature is available only with CTX Release 1.3 or higher software Waiting 2. Disable and with CTX WinAdmin Release 1.3 or higher software. C□yq C□yq , n,...

Page 346 Telephone Button Programming 200 Series Programs Table 13-14 Programs 200~202 (continued) Button Sequence Value(s) Summary 202-06 BRI Station DRL 1~16 DRL for Day1 • Day1 DRL DRL for Day2 • Day2 DRL DRL for Night • Night DRL A7□% T□x□ , n, , n, T□x□...

Page 347 Telephone Button Programming 200 Series Programs Table 13-14 Programs 200~202 (continued) Button Sequence Value(s) Summary 202-22 Service Tone 1. Enable Service Tone Permission. Permission 2. Disable A7!! C□yq , n, 202-23 TGAC Override 1. Enable TGAC Override. 2. Disable A7!" C□yq , n, 202-24...

Page 348 Telephone Button Programming 200 Series Programs Table 13-15 BRI Bearer Capability of ISDN Bellcore Bearer Services ETSI Nat’l ISDN Speech 3.1kHz Audio 7kHz Audio Circuit Mode 64 kbps Rate adaptation Unrestricted Digital Information from 56 kbps 2x64 Table 13-16 Programs 203~204 Button Sequence Value(s)

Page 349 Telephone Button Programming 200 Series Programs Table 13-16 Programs 203~204 (continued) Button Sequence Value(s) Summary 204-09 Handsfree MIC 1. Enable If you call a station configured for Voice First signalling, you can use Setting 2. Disable this parameter to enable the called parties microphone from your DKT.

Page 350 Telephone Button Programming 200 Series Programs Table 13-16 Programs 203~204 (continued) Button Sequence Value(s) Summary 204-15 Ringing Preference 1. Longest Ringing call answer preference. 2. Call Type A7 $ C□yq • , n, Longest Ringing - any call type - Calls are answered in order of the longest ringing line no matter what type of call (FIFO).

Page 351 Telephone Button Programming 200 Series Programs Table 13-16 Programs 203~204 (continued) Button Sequence Value(s) Summary 204-27 Ring Over Busy 1. Two Cycles Set ROB to ring two times or continuously. Cycles 2. Continuous Note See PRG200, 26 to enable ROB to be sent to individual A7!&...

Page 352 Telephone Button Programming 200 Series Programs Table 13-18 10 Button (when FB03 value is 10) PATTERN1 PATTERN2 PATTERN3 PATTERN4 FB01 Primary DN Primary DN Primary DN FB02 CO 1 CO 1 FB03 CO 2 CO 2 FB04 CO 3 CO 3 FB05 CO 4 CO 4...

Page 353 Telephone Button Programming 200 Series Programs Table 13-20 Program 205 Button Sequence Value(s) Summary 205-01 Key Number Press the desired FB to program. A7!□ Note On the 14-button telephones, the left side buttons are FB01~FB07 and the right side buttons are FB11~FB17. Code Select Desired Feature Code.

Page 354 Telephone Button Programming 200 Series Programs Table 13-21 Feature/Button Code Parameter Assignments Button Feature Sub-parameters Description Values LCD Prompt Code Parameter 1 Set ring pattern. 1. No Ring 2. Immediate 3. Delay 1 4. Delay 2 Parameter 2 Set ring tone. Enter a value of 1~4.

Page 355 Telephone Button Programming 200 Series Programs Table 13-22 Flexible Button Assignment Feature Code Table Feature Buttons Code No Data/Delete Code Account Code (Frequently used codes) Attendant Console Group Access Code Automatic Attendant (The extension terminal having the simplified attendant console attribute must set at least the ATT-ANSWER button) &□□ •...

Page 356 Telephone Button Programming 200 Series Programs Table 13-22 Flexible Button Assignment Feature Code Table (continued) Feature Buttons Code Door Lock Cancel Flash - Short Flash - Long • Attendant '"□ • Supervised Microphone Cut Off (MCO) Message Waiting • Phantom (PhDN) Message Waiting Night Transfer Paging $&□...

Page 357 Telephone Button Programming 200 Series Programs Table 13-23 Programs 206 (continued) Button Sequence Value(s) Summary 206-04 Display DN Up to 5 digits Enter the number displayed on the calling telephone that rings this Phantom DN number. A7□# C□yq , n, This number is overridden by the number in Program 209, FB04 (if assigned) and if the Phantom DN is in a hunt group.

Page 358 Telephone Button Programming 200 Series Programs 1. FB00 – Primary DN. 2. FB01 – The button that you assign as the One Touch Button on the DKT. You can assign the One Touch Button from the DKT for the DKT FB key, Add-on Module FB key and also DSS Console FB key.

Page 359 Telephone Button Programming 200 Series Programs Table 13-24 One Touch Data Entry Sequences (continued) Data for Single Touch Button Setting code from DKT Display Data Cnf/Trn [Vol Up] + [Cnf/Trn] &CNF Vol Up [Vol Up] + [Vol Up] &UP Vol Down [Vol Up] + [Vol Down] &DWN DKT's FB...

Page 360 Telephone Button Programming 200 Series Programs Table 13-25 Programs 208~218 (continued) Button Sequence Value(s) Summary Station Hunting Group This command assigns Station Hunting Group data. C□yq 209-00 Group Number Up to 3 digits Hunt Group Number. C□yq 1~90 (CTX100) 1~200 (CTX670 Basic) 1~640 (CTX670 Exp.) (default = no value) 209-01...

Page 361 Telephone Button Programming 200 Series Programs Table 13-25 Programs 208~218 (continued) Button Sequence Value(s) Summary 213-01 Key Number Press the desired FB to program. A7!□ Code 1~20 Select Desired Feature Code. See the Feature Code Table 13-22 page T□x□ 100 - PDN 110 - PhDN 120 - CO 130 - GCO...

Page 362 Telephone Button Programming 200 Series Programs Table 13-25 Programs 208~218 (continued) Button Sequence Value(s) Summary DSS Console This assignment allows

up to eight Direct Station Selection (DSS) Assignment Consoles to be assigned to a station. The assignment is referenced to the stations's Primary DN. C□yq 214-00 Primary DN...

Page 363 Telephone Button Programming 200 Series Programs Table 13-25 Programs 208~218 (continued) Button Sequence Value(s) Summary 215-01 DSS Key Number Press the desired FB to program on your DSS. A7!□ Code Select Desired Feature Code. See "Flexible Button Assignment Feature Code Table" page 13-41.

Page 364 Telephone Button Programming 200 Series Programs Table 13-25 Programs 208~218 (continued) Button Sequence Value(s) Summary Emergency Ringdown Assigns Emergency Ring Down parameters to Primary DNs. Assignment. C□yq 216-00 Primary DN Up to 5 digits Enter the Primary DN. C□yq 216-01 Emergency Ringdown 1.

Page 365 C□yq 219-00 Network DSS Node Important! Don't use this program unless requested by Toshiba Technical Support. C□yq Enter the Node ID of the Network DSS key Notify Data to be deleted. 13-51 Strata CTX Programming - Part 3: Telephone Button Programming 11/03...

Page 366: Series Programs

Telephone Button Programming 300 Series Programs 300 Series Programs Table 13-26 Programs 300~302 Button Sequence Value(s) Summary Trunk Assignment This command assigns an analog or T1 trunk (line) and its parameters to the system. "□□ C□yq 300-00 Line Number 1~64 (CTX100) Enter the Line Number.

Page 367 Telephone Button Programming 300 Series Programs Table 13-26 Programs 300~302 (continued) Button Sequence Value(s) Summary 300-11 DTMF Back Tone 1. Padded Select DTMF Back Tone type. 2. DTMF Tone (default) C□yq , n, 3. No Tone 300-12 Hunt Order 1~999 Change the trunk hunting order sequence for this Trunk.

Page 368 Telephone Button Programming 300 Series Programs Table 13-26 Programs 300~302 (continued) Button Sequence Value(s) Summary 302-07 D Ch Position 1~24 PRI includes a 64-kbps D-channel (for transfer of signal information). Select the channel position to be used for D channel signaling. +ROG , n, (default = 24)

Page 369 Telephone Button Programming 300 Series Programs Table 13-26 Programs 300~302 (continued) Button Sequence Value(s) Summary 302-29 29 2-B channel 1. Enable Enable this option to allow 2-B channel conference on PRI calls. This Transfer 2. Disable allows to PRI channels to be connected in the same conference or Tandem call.

Page 370 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 304-01 Group Type 1. Analog (default) Select the ILG Type. 2. ISDN C□yq , n, 304-02 Trunk Type 1. CO (default) Select the Trunk Type. 2.

Page 371 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 304-19 Intercept 1. Enable Enable Intercept. A call is transferred to a special destination called 2. Disable (default) intercept position when the destination of a trunk line call is not A7 (C□yq , n,...

Page 372 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 306-03 Service Type 1. Standard (default) TIE Trunk Service Type. 2. QSIG A7□" C□yq , n, 306-04 GCO Key1 Number 0~32 (CTX100) Select the first GCO Key Group number. 0~50 (CTX670 Basic) A7□# C□yq...

Page 373 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 306-18 Network COS 1~32 Select Network COS number. (default = 1) A7 ' C□yq C□yq , n, OLG Delete This command deletes Outgoing Line Groups. "□&...

Page 374 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 309-02 MOH Source 1. Quiet Tone Set Music On Hold for Analog ISDN DID Trunk 2. External 1 (default) A7□! C□yq , n, 3. External 2 4.

Page 375 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 309-11 DNIS VMID Code Up to 10 digits Enter the VM mail box number which should answer calls for this DID/ DNIS number. C□yq , n, Note This code is only sent if using SMDI VM integration in Program 580, 01.

Page 376 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 310- Day1/Day2/Night 1. No Data (default) Select Destination Type for each. 01~03 Destination Type 2. Dialing Digits • No Data – no destination will ring when the line rings into the 3.

Page 377 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 313-01 Signalling Method 1. None (default) Specify the format for the interface being used. 2. ANI/DNIS-MCI C□yq , n, 3. ANI/DNIS-Sprint 4. CLASS (Caller ID) 313-02 Signalling Contents 1.

Page 378 Telephone Button Programming 300 Series Programs Table 13-28 Programs 303~315 (continued) Button Sequence Value(s) Summary 315-05 Send Pad 1. None Select the Send PAD values. 2. Plus 6 dB A7□# C□yq , n, 3. Plus 3 dB 4. Zero dB (default) 5.

Page 379 Telephone Button Programming 300 Series Programs Table 13-29 Programs 316~317 (continued) Button Sequence Value(s) Summary 317-01 Equipment Number xx = CTX670 Enter the equipment number xxyyzz to which the ISDN BRI Trunk is yy = to be assigned. C□yq , xxyyzz, Cabinet (01~07) zz = Slot (01~10)

Page 380: X Strata Ctx Programming

Telephone Button Programming 300 Series Programs Table 13-29 Programs 316~317 (continued) Button Sequence Value(s) Summary 317-13 B Ch Selection 1. Forward Cyclic Choose Idle B Channel selection method. 2. Backward Cyclic A7 " C□yq • , n, Select Forward Cyclic (from lowest number to highest number of (default) B-channel).

Page 381 Telephone Button Programming 300 Series Programs Table 13-31 Programs 318~320 Button Sequence Value(s) Summary DID Intercept This command assigns the DID Routing table when DID numbers are Assignment undefined or not received. " ' C□yq 318-00 ILG Number 1~32 (CTX100) Enter ILG number.

Page 382 Telephone Button Programming 300 Series Programs Table 13-31 Programs 318~320 (continued) Button Sequence Value(s) Summary 318- Data Day1/Day2/ 1. No Data (default) Select the data call Day1 destination type 08~10 Night Dst Type 2. Dialing Digits • No Data (default), Dialing Digits, DISA, Built-in Modem or Night 3.

Page 383 Telephone Button Programming 300 Series Programs Table 13-31 Programs 318~320 (continued) Button Sequence Value(s) Summary Intercept Treatment This command assigns Intercept positions for Strata CTX Day/Night schedules. Intercept positions are used when the destination of a " (C□yq trunk line call is not determined with DID or DIT 319-00 Tenant Number Enter 1~8...

Page 384 Telephone Button Programming 300 Series Programs Table 13-32 B Channel Defaults B Channel Position 01~15 17~23 25~31 Span Interface Speed 1.5M (T1) OFF (Dch Pos) 2.0M (E1) OFF (Dch Pos) Table 13-33 Programs 321~324 Button Sequence Value(s) Summary Calling Number The Calling Number ID is what is defined as the user supplied Calling Identification Number.

Page 385 Telephone Button Programming 300 Series Programs Table 13-33 Programs 321~324 (continued) Button Sequence Value(s) Summary CBC Service To accomplish CBC services, each facility needs to be defined, its related Line Group assigned and minimum and maximum values for "!" C□yq the services provided.

Page 386 Telephone Button Programming 300 Series Programs Table 13-33 Programs 321~324 (continued) Button Sequence Value(s) Summary CBC Time Zones This command assigns Call-by-Call Time Zone. "!# C□yq 324-00 Channel Group 1~32 (CTX100) Channel Group Number 1~48 (CTX670 Basic) C□yq 1~128 (CTX670 Exp.) 324-01 Start Zone 1 hh =...

Page 387: Series Programs

Telephone Button Programming 400 Series Programs 400 Series Programs Table 13-34 Programs 400~404 Button Sequence Value(s) Summary Emergency Call This command assigns Emergency Call destinations to Emergency Destination Call groups. There is one group for each Day mode (Day1, Day2 and Assignment Night).

Page 388: Series Programs

Telephone Button Programming 500 Series Programs 500 Series Programs Table 13-35 Programs 500~577 Button Sequence Value(s) Summary System Call Forward This assignment is used to configure up to 32 system call forward Assignment patterns. Station DNs are assigned to these patterns in the station COS assignments.

Page 389 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary 502-17 All Page Group 1. On Enter this station in all Paging Groups. 2. Off (default) A7 & C□yq , n, 502-18 All Emergency Page 1.

Page 390 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary 506-01 Verified Flag 1. Set The Account Code Flag determines whether the number entered is to 2. No Set (default) be used as a verified account code or not. Some applications may C□yq , n, allow users to dial an accounting code which changes the restriction...

Page 391 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary 507-01 DDCB Equipment No. xx = Cabinet 01 (CTX100), Enter the DDCB equipment number to which the Door phone should 01~02 (CTX670 Basic), be assigned. C□yq , xxyyzz, 01~07 (CTX670 Exp.)

Page 392 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary Door Lock Control This assignment is used to configure up to 10 door lock control relays. Assignment The contacts of these relays are used to control electrical door locks. One door lock relay can be assigned to each of the eight Door Phone C□yq Control Boxes (DDCB, Port B) and/or one to each of the two BIOU...

Page 393 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary 509-04 Override QPL 1~16 Select the override QPL value. (default =1) A7□# C□yq C□yq , n, COS Override Assigns Class of Service Overrides and their parameters (COS, FRL, Assignment DRL, QPL).

Page 394 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary 513-04 Abandoned Call 1. Enable Enable record generation for abandoned calls. Incoming SMDR must Record Output 2. Disable (default) be turned on. Abandoned call records will be generated whether or not incoming SMDR has been set.

Page 395 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary Station Speed Dial Up to 100 pre-programmed Speed Dial numbers (up to 32 digits each) can be assigned to each station. Speed Dial numbers are C□yq stored in “Bins”...

Page 396 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary Multiple Calling Group This feature is available only with CTX Release 1.3 or higher software Assignment and with CTX WinAdmin Release 1.3 or higher software. $ &...

Page 397 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary LCR Route Plan Digit This program builds the basic LCR Analysis Table. Analysis Assignment C□yq 521-00 Analysis Digits Up to 11 digits Enter the external digit strings (area codes, toll prefixes, service codes, etc.) to be assigned to a Route Plan Analysis Table.

Page 398 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary Route Table to Route This command defines up to six possible Route Definitions for a given Definition Assignment Route Table. C□yq

524-00 Route Choice Table 1~128 Enter the Route Choice Table to be defined.

Page 399 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary LCR Public Day of This command defines the days of the week as weekdays, weekend Week Mapping Table days or holidays for LCR. C□yq 528-01 Monday 1.

Page 400 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary 530-03 LCR Action 1. Apply (default) Select LCR Action. 2. Skip and Apply A7□" C□yq • , n, Apply – (default) Apply LCR to all of the external dialed digits. •...

Page 401 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary DRL Exception Table This program assigns a DRL Exception Table to an existing DRL Assignment table. If the DRL Table is an allow table, its Exception Table must be a deny table and vice versa.

Page 402 Telephone Button Programming 500 Series Programs Table 13-35 Programs 500~577 (continued) Button Sequence Value(s) Summary Account Code Digit Accounting Codes need to be specified for the number of digits that Length are expected to be used for registering a number. This allows dialing within Strata CTX to proceed automatically once the correct account $&□ C□yq...

Page 403 A7□' C□yq , n, 579-09 LCD Control of Voice 1. Enable (default) Enables Toshiba SMDI+ and integration for LCD control of VM. To Mail 2. Disable enable this feature you must have Stratagy Enterprise Server Release 3.x or higher. A7□(C□yq...

Page 404 Telephone Button Programming 500 Series Programs Table 13-37 Programs 579~580 (continued) Button Sequence Value(s) Summary 579-10 Central VM Callback Up to 7 digits Enter the pilot DN for the centralized voice mail system. If this field is left blank, the previously stored number will be deleted. A7 □ C□yq , n,...

Page 405: Series Programs

Telephone Button Programming 600 Series Programs 600 Series Programs Table 13-38 Programs 650~660 Button Sequence Value(s) Summary Behind Centrex Assigns parameters for operation behind Centrex or another PBX Assignment C□yq 650-00 OLG Number 1~32 (CTX100) Specify OLG Number that is attached to a Centrex or another PBX. 1~50 (CTX670 Basic) (1~128 Expanded;...

Page 406 Telephone Button Programming 600 Series Programs Table 13-38 Programs 650~660 (continued) Button Sequence Value(s) Summary 654-02 Digit Modification 0~64, 0 = delete Enter the Digit Modification Table Number (1~64) to be used by this Table route definition. A7□! C□yq C□yq , n, Private Digit The Private Network Digit Modification table may contain up to 64...

Page 407 Telephone Button Programming 600 Series Programs Table 13-38 Programs 650~660 (continued) Button Sequence Value(s) Summary Network COS This table translates a Network COS received as part of a Traveling Mapping Table Class Mark to a local Class of Service for access to local services. Assignment There is no translation of Outgoing Network COS.

Page 408: Series Programs

Telephone Button Programming 800 Series Programs 800 Series Programs Table 13-39 Programs 801~803 Button Sequence Value(s) Summary Network Jack LAN This screen assigns the LAN parameters for the PC applications Device Assignments connected to the BECU Network Jack through a LAN or Hub. C□yq 801-00 LAN Port Number...

Page 409 Telephone Button Programming 800 Series Programs Table 13-39 Programs 801~803 (continued) Button Sequence Value(s) Summary 803-01 Device Connection 1. None (default) 1. Enter RS-232 for SMDR or SMDI devices or PCs. These devices 2. LAN are connected to BSIS, RS-232 ports. C□yq , n, 3.

Page 410: Series Programs

Telephone Button Programming 900 Series Programs Table 13-41 Program 804 Button Sequence Value(s) Summary RS232C Data Use this screen to setup the RS-232 serial Ports on the BSIS Assignment interface PCB. C□yq 804-00 BSIS Port 1~4 (default = no value) Enter the BSIS PCB port number.

Page 411: Display Version

Telephone Button Programming 900 Series Programs To access programming parameters)%□□ 1. Press to choose Initialize Level 1 or 2. +ROG 2. Press twice to initialize. Choosing Initialize Level 1 without installing a SmartMedia Card deletes all programmed Important! data and returns your Strata CTX to factory default settings. All previously programmed data is lost.

Page 412 Telephone Button Programming 900 Series Programs FB Name Summary Value LCD Prompt Version Display Active side software version and 6~31 digits Installed Version Number installed options. Active As the name implies, this is the current active software operating the CTX system. Version Display Standby side software version and Installed Version...

Page 413: Set Time And Date

Telephone Button Programming 900 Series Programs • Installed Equipment ID – There are five characters, each referencing a unique equipment identification value assigned to hardware installed in your Strata CTX system. If the particular hardware is not installed a “-” displays. The following are the equipment identifier designations. •...

Page 414 Before removing the SmartMedia card run Program 908. See “Format/Unmount SmartMedia” page 13-103. Trace Size Set the trace data size. Toshiba 1~256 (in bytes) SIZE= recommends leaving this parameter at the 1 unit = 16 bytes. default setting which provides default = 2 approximately 15 minutes of trace data.

Page 415: Isdn Trace Location

Telephone Button Programming 900 Series Programs ISDN Trace Location This program enables set up of ISDN protocol event trace collection conditions. Program Number(s): 904 Prerequisite Program: None Reference: None Access Sequence: Login to programming mode from your telephone button pad: +ROG □ □ □ .

Page 416: All Isdn Trunk Trace

Telephone Button Programming 900 Series Programs All ISDN Trunk Trace Program start/stop of packaged detailed collection of event trace functions. This program is only available in the telephone button programming mode. Program Number(s): 905 Prerequisite Program: “Format/Unmount SmartMedia” page 13-103, “ISDN Trace Location”...

Page 417: System Admin Log

Telephone Button Programming 900 Series Programs When the CTX 670 stops logging data, it automatically sends data to the SmartMedia card. Run the Note Unmount command (Program 908) before removing the SmartMedia card to ensure complete data transfer. System Admin Log Use this command to Start/Stop the System Admin Log.

Page 418 Telephone Button Programming 900 Series Programs FB Name Summary Value LCD Prompt Control Choose SmartMedia card formatting method: 1:Normal 1:NORMAL Normal – creates any Strata CTX SmartMedia 2:Forced 2:FORCED directory that does not exist already. Exiting 3:Unmount 3:UNMOUNT directories are not overwritten by this procedure. 4:Transfer 4:TRANSFER Forced –...

Page 419: Mac Address (System Serial Number)

Telephone Button Programming 900 Series Programs MAC Address (System Serial Number) This program enables you to display your CTX 670 System Serial Number. Program Number(s): 909 Prerequisite Program: None Reference: None Access Sequence: Login to programming mode from your telephone button pad: +ROG □ □ □ .

Page 420: Program Update

Telephone Button Programming 900 Series Programs FB Name Summary Value LCD Prompt Backup State All_Ok – Backup completed with no errors. 1:normal end all 2:normal end part

Partial_Ok – Backup has completed with 3:abnormal end errors. 4:cancel NG – Backup has failed. 5:importing 6:exporting Cancel –...

Page 421: Make Busy Control

Telephone Button Programming 900 Series Programs FB Name Summary Value LCD Prompt Total Blocks View total blocks to be updated (total blocks 0~65536 (CTX670) will vary depending on software versions). 0~128 (CTX100) default = 0 Copied Blocks View number of blocks copied. 0~65536 (CTX670) 0~128 (CTX100) default = 0...

Page 422 Telephone Button Programming 900 Series Programs Note The Shelf number is entered in “XX” format where Shelf is a two digit value from 01~07 corresponding to the Strata CTX Cabinet number. See “Program Button LEDs” below for a description of the LED display. FB Name Summary Value...

Page 423: Regional Selection

Telephone Button Programming 900 Series Programs Regional Selection Set Operating region for your Strata CTX. This assignment sets built-in core LSI hardware parameters that are not changeable with jumpers or switches. These parameters must be set unique for each country and affect system operation.

Page 424: Ip Configuration

Telephone Button Programming 900 Series Programs IP Configuration This program enables you to set up Network Communication Protocols. Program Number(s): 916 Prerequisite Program: None Reference: None Access Sequence: Login to programming mode from your telephone button pad: +ROG □ □ □ . At the PASSWORD= prompt, Enter your password and press +ROG.

Page 425: Data Backup

Maintenance This chapter provides Strata CTX maintenance procedures that can be activated from the programming telephone. For SmartMedia, refer to “Format/Unmount SmartMedia” page 13-103. Data Backup 1. Format the SmartMedia using “Format/Unmount SmartMedia” page 13-103 (Program 908). 2. Insert the formatted SmartMedia into Strata CTX. 3.

Page 426: Restoring Programmed Data

10 minutes to an hour or more, depending on the system size. • Requires a different system software Update file (provided on the Toshiba FYI site), depending on the type of CTX system and the type of Update that will be performed.

Page 427 Local Update Step 1: Download and Extract CTX Software The latest released version of CTX system software Update files are posted on the Toshiba FYI site http://fyi.tsd.toshiba.com. To download the software files, follow the procedure below. Step 1A: To Download CTX System Software Files from FYI 1.

Page 428: Strata Ctx100 Local Update

This SmartMedia card will contain the new Strata CTX software file (nhs.prg) used to Update the system software: 1. Obtain the Strata CTX operating software file (nhs.prg) from Toshiba FYI and store it on an appropriately named folder on your PC – see the Download and Extract CTX Software procedure on page 1.

Page 429 Maintenance Local Update Step 3: Update CTX100 Software CAUTION! This operation will take the system out of service for 10 minutes to an hour or more depending on the CTX database. 1. Insert the SmartMedia card containing PROGRAM\nhs.prg file into the Strata CTX processor SmartMedia socket.

Page 430: Strata Ctx670 Local Update

This SmartMedia card will contain the new Strata CTX software file (nhs.prg) used to Update the system software. 1. Obtain the Strata CTX operating software file (nhs.prg) from Toshiba FYI and store it on an page 14-3 appropriately named folder on your PC – see “Download and Extract CTX Software”...

Page 431 Maintenance Local Update • Select and right mouse click the appropriate SmartMedia drive, for example, drive E or G in some computers. • Click Properties. • Under

General tab, in the Label field enter label name (in this case PRGUPDATE). 6.

Page 432: Trace Function

Trace Function To analyze Strata CTX problems efficiently, Toshiba needs to get the event trace data and ISDN trace data. These data sets enable analysis of the problems Strata CTX may experience. It is helpful for troubleshooting problems that are difficult to duplicate.

Page 433

726+,%$ Telecommunication Systems Division Digital Business Telephone Systems Part 4: Appendices November 2003...

Page 435: Voice Mail Set Up

Applications, Tips and Tricks Voice Mail Set Up The following steps/program sequences are provided as a guideline to programming System Voice Mail settings. +ROG Enter programming mode before step 1. Refer to “Enter Program Mode” page 13-7. Press Note each time you want to save your settings and press before you move to the next step.

Page 436: Digital Ports

Applications, Tips and Tricks Voice Mail Set Up Digital Ports 1. Program the following initial settings: • Program 100 – Set cabinet slot PCB type to “BDKU/BDKS 16 DKTs without Spkr OCA”. • Program 200 – Assign stations to the slot and assign as voice mail. For example, 200~215 (for 16 ports).

Page 437: Networking Multiple Voice Mail Systems

Applications, Tips and Tricks Networking Multiple Voice Mail Systems Networking Multiple Voice Mail Systems More than one voice mail system can be connected to one network node and one or more voice mail systems can be connected to multiple nodes. Access, integration and message waiting are controlled on a call-by-call basis according to parameters assigned to individual extensions.

Page 438

Applications, Tips and Tricks Networking Multiple Voice Mail Systems • 02 PC Operation Type = Client • 03 Data Flow = Asynchronization • 04 Service Port No. = 0 (default) • 05~08 Client IP 1-4 No. = 192.168.254.250 • 09 Client Port No. = 5000 •...

Page 439: Strata Ctx Bri Video Conferencing Programming

Applications, Tips and Tricks Strata CTX BRI Video Conferencing Programming Strata CTX BRI Video Conferencing Programming The table below shows the programs required to program a PRI line to ring to a RBSU interface to allow for Video Conferencing capabilities. The following may differ in your system: card slot assignments, trunk groups, channel groups and BRI station numbers.

Page 440: Ctx Ip Telephone Programming Guidelines

Applications, Tips and Tricks CTX IP Telephone Programming Guidelines CTX IP Telephone Programming Guidelines Use the following guidelines to program your CTX IP Telephone. Basic CTX IP Setup Using WinAdmin 1. Select System > Card Assignments (Program 100) to set the BIPU-M PCBs in the appropriate slots. BIPU-M card can only be installed in 16 channel card slots: CTX100 slots 1~8;...

Page 441: Ip Telephone Installation And Network Connection Setup

Applications, Tips and Tricks IPT1020-SD Telephone Network Settings IP Telephone Installation and Network Connection setup 1. Install the IP telephones using instructions in the IPT chapter of the CTX Installation and Maintenance manual. 2. From each IP Telephone, set its network connection parameters using the “369Hold” program mode (refer to the instructions that follow).

Page 442: Ipt-To-Ip Network Connection Instructions

Applications, Tips and Tricks IPT1020-SD Telephone Network Settings IPT-to-IP Network Connection Instructions +ROG 1. Press (simultaneously). +ROG 2. Press , then press to select the Network Setting Mode. 3. Press to see if the DHCP server is in use or not. Press one of the following: +ROG : manual setting, then press +ROG...

Page 443

Applications, Tips and Tricks IPT1020-SD Telephone Network Settings IP Telephone

Start Up Sequence After the IP telephone network setting has been programmed, the following displays occur after the IP telephone is hung-up: Action LCD Indication Remarks INITIALIZING initializes. PLEASE WAIT Possible errors: IPADDRESS SETTING...

Page 444: Viewing Ipt1020-Sd Terminal Information

Applications, Tips and Tricks IPT1020-SD Telephone Network Settings Viewing IPT1020-SD Terminal Information +ROG 1. Press (simultaneously). +ROG 2. Press , then press 3. Press to view IPT firmware version (application and boot versions, read only). 4. Press to view IPT MAC address (read only). 5.

Page 445: Ip Telephone Quality Of Service (Qos) Programming

• Whenever Voice Packet Configuration Table changes are made for IP telephones on IP QSIG nodes, Toshiba recommends pressing the reset button on the BIPU to assure the changes take effect. Voice Packet Configuration Parameters defaults: •...

Page 446 Applications, Tips and Tricks IP Telephone Quality of Service (QoS) Programming Priority Control Adjustments This VoIP feature provides a framework in which voice traffic flowing on the network is prioritized over other types of traffic. CTX supports two industry standard types of Priority control: IEEE802.1p and Diffserv (Differentiated Services).

Page 447: Strata Net Over Ip Programming Guidelines

Applications, Tips and Tricks Strata Net over IP Programming Guidelines Strata Net over IP Programming Guidelines Use the following steps/programs to program Strata Net over IP. 1. Assign the BIPU-Q card using Program 100 (System > Card Assignments). 2. Use Program 151 to set up the BIPU IP address, subnet mask, and default gateway (IP Telephone > BIPU Configuration).

Page 448 Applications, Tips and Tricks Strata Net over IP Programming Guidelines To program the configuration in the above figure using programs 671 and 672 The steps below show you how to setup Node 11 to route to remote Nodes 12 and 13. 1.

Page 449: Echo Cancellation And Volume Level Adjustments

Applications, Tips and Tricks Echo Cancellation and Volume Level Adjustments Echo Cancellation and Volume Level Adjustments Dealing with Echo Problems in General The first step in isolating echo problems is to find the source. Usually only one party hears echo. If that's the case, the echo source is the far end –...

Page 450: Setting The Ipt1020-Sd Headset Transmit Volume

Applications, Tips and Tricks Echo Cancellation and Volume Level Adjustments Setting the IPT1020-SD Headset Transmit Volume +ROG 1. Press (simultaneously). 2. Press . 3. Press the Feature Buttons to turn the LEDs On/Off for the desired volume transmission level (see Table A-14).

Page 451: Common Error Code Table

System Error Codes The following Error Code Tables are needed when programming Strata CTX670 using the button programming method. Error Codes display on the programming DKT's LCD. The following error codes only appear when using the telephone button programming method. Note These tables are provided for reference only.

Page 452: System Programming Error Codes

System Error Codes System Programming Error Codes System Programming Error Codes Sub-Program Code Error Descriptions parameter The entered Cabinet/Slot value is out of range. The entered PCB Type is out of range. In CTX100, the Card Type Code other than ASTU (STU) was assigned into S109.

Page 453 System Error Codes System Programming Error Codes Sub- Program Code Error Descriptions parameter "Common Error Code Table" page B-1. 7! □ 7!! The entered Clock value is out of range. 7 " The Paging Group No. entered is out of the range. The BIOU general relay number value conflicts with existing parameter assignments.

Page 454 System Error Codes System Programming Error Codes Sub- Program Code Error Descriptions parameter Unable to change the selected BIPU configurations during updates of

selected BIPUs or IPTs to prevent the flash memory of BIPU from being broken. The equipment number entered is out of the range. Slot card type entered is other than BIPU card.

Page 455: Station Programming Error Codes

System Error Codes Station Programming Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The entered Shelf/Slot/Circuit value is out of range. The entered System Call Forward index is out of the range. The selected PDN(s) conflicts with an existing PDN(s) assignments for the selected circuit.

Page 456 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The additional ISDN extension number cannot be registered. 7!%□ 7"! The number is already in use by a DKT extensions, etc. The quantity of lines, ISDN channels and PDNs entered exceeds the number of ports licensed with this processor.

Page 457 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The door lock number entered is out of the range. The application number entered is out of the range. Required parameter for each Feature Code is not entered. Two or more PhDNs with the same value are registered to one extension.

Page 458 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The System Call Forward index entered is out of the range. An invalid DN was selected. The entered PDN is not related to this Phantom DN. Phantom DN entered is invalid (the entered value is used as a part of an existing extension number or numbering plan).

Page 459 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The sub-parameters for Feature Code (Key Number) must be assigned. The line number entered is out of range for the system's capacity. The GCO key group/index entered is out of the range. The POOL group entered is out of the range.

Page 460 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The additional information assigned to the Feature Button is invalid. The line number entered does not exist. The allowable number of GCO, POOL or PhDn has been exceeded.

Page 461 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The feature code(s) allowed to attendant console only is registered. Two or more DSSs with the same value are registered to one extension. The entered DN does not exist in the system. The Primary DN entered conflicts with a value of an existing numbering scheme.

Page 462 System Error Codes Station Programming Error Codes Sub- Program Code Error Descriptions parameter The Node ID entered is over maximum digits, or Node ID was 7□" not entered. The entered DN does not exist in the system (the entered value conflicts with an existing extension number or numbering plan).

Page 463: Trunk Programming Error Codes

System Error Codes Trunk Programming Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The equipment number entered is out of the range. The ILG entered is out of the range. 7□" The OLG entered is out of the range. The hunting order entered is out of the range.

Page 464 System Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The equipment number entered is out of the range. 7□" The ILG entered is out of the range. The entered OLG is out of the range. Dch position is not set to 16.

Page 465 System Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The channel group entered is out of the range. The entered Channel Group number conflicts with an existing ISDN extension(s). The entered Channel Group number does not exist. The Group Type and Trunk Type are assigned based on the ILG settings found in ILG field of Program 300 and in ILG field of Program 302.

Page 466 System Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The entered equipment value is invalid. 7□" Wrong assignment intervals. The designated trunk equipment does not exist in the system. The pause assignment

is wrong. 7□$Ã□ No incoming destination number is entered for the parameter required.

Page 467 System Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter “NONE” entered in any field is invalid. 7□" The entered equipment value is invalid. The PCB installed in the designated Shelf/Slot must be a RDTU. The channel group entered is out of the range. RPTU Equipment Number entered is invalid.

Page 468 System Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The pause assignment is wrong. 7□$Ã□ No incoming destination number is assigned for the required parameter. 7□" The selected GCO conflicts with an existing ILG number. The selected Pool Line Group conflicts with an existing ILG number.

Page 469 System Error Codes Trunk Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter Select the Type of Service for CBC. The Incoming Line Group entered is invalid. 7□& The Outgoing Line Group entered is invalid. The same value is designated to the Type of Service, Facility Code, Service Parameters, and Network ID fields that 7□!□...

Page 470: Attendant Position Programming Error Codes

System Error Codes Attendant Position Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The channel group entered is out of the range. 7□ □ 7□" The time entered is invalid. The entered channel number conflicts with an existing ISDN extension(s), etc.

Page 471: Service Programming Error Codes

System Error Codes Service Programming Error Codes Service Programming Error Codes Sub-Program Code Occurred FB Error Descriptions parameter A character that is not permitted is included in the Destination number. Although 2nd destination has been assigned, you cannot remove the 1st destination. You cannot assign the 2nd destination without the 1st destination.

Page 472 System Error Codes Service Programming Error Codes Sub- Program Code Occurred FB Error Descriptions parameter The DDCB Equipment number entered is invalid. The destination number value is out of range (when 7□%□ 7□' destination type is Paging Group). The allowable number of Paging Groups have been 7□%□...

Page 473 System Error Codes Service Programming Error Codes Sub- Program Code Occurred FB Error Descriptions parameter A character that is not permitted is used in the Speed Dial number. The allowable number of Speed Dial Bins has been exceeded. The entered DN does not exist in the system (the entered value conflicts with an existing extension number or numbering plan).

Page 474 System Error Codes Service Programming Error Codes Sub- Program Code Occurred FB Error Descriptions parameter The OLG entered is out of the range. Both the OLG Number and the Digit Modification Index must be entered. Digit Modification Index value cannot be 0. The value entered is not permitted.

Page 475 System Error Codes Service Programming Error Codes Sub- Program Code Occurred FB Error Descriptions parameter An incoming destination number must be entered when After Shift Type field is set to Dialing Digits. The entered value conflicts with an existing number scheme. The entered DN conflicts with an existing DKT, ISDN extension, etc.

Page 476: Networking Programming Error Codes

System Error Codes Networking Programming Error Codes Networking Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter The OLG entered is out of the range. An OLG number has not been assigned in system. The allowable number of Node ID assignments has been exceeded.

Page 477: Equipment Programming Error Codes

System Error Codes Equipment Programming Error Codes Equipment Programming Error Codes Occurred Sub- Program Code Error Descriptions parameter Server Port Number must be entered when PC Operation Type is set to Server, or Client Port Number must be entered when PC Operation Type is set to Client. If a CTI value (200~208) is assigned to the Logical Device in 7□"...

Page 478 System Error Codes Equipment Programming Error Codes B-28 Strata CTX Programming - Part 4: Appendices 11/03...

Page 479 Strata CTX/DK Program Cross-reference This chapter is helps you cross-reference programs from Strata DK to CTX and vice versa. For example, Program 03 of the DK is similar to Program 100 of the Strata CTX. Only programs that have similar functions have been listed in these tables.

Page 480 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Setting of caller System Assignments, SMDI Station Number LED 10-13 number digits sent to Part 3 of 3 Digit Length VM unit Voice Mail Message Setting of auto cancel...

Page 481 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Break in warning tone Executive Override LED 16 of Executive Override Warning Tone Enable or Disable Tones for the Music-on-hold or Ring transferred party after LED 05 System Data...

Page 482 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Station Assignment CESID CESID Station Set CESID ISDN Basic Station Information CESID Assignment Defining the Message Voice Mail to Set Message Center Station Assignment Center Message Waiting...

Page 483: Strata Ctx/Dk Program Cross-Reference

Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Input DSS1 card slot position Input DSS2 card slot position Input DSS3 card slot position Input DSS4 card slot DSS Console/ position DSS Console Attendant Telephone...

Page 484 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Permission to Change Toll Restriction LED 16 Change of Travelling Travelling Class Code Class Override Code Station Assignment Change System LED 05 Speed Dial Speed Dial...

Page 485 Summary Program Name Summary Terminal Paging Group LED 10 All Call Page Allowed All Page Group Assignment Toshiba Stratagy, whether to send A,D Stratagy DK and/or VP LED 15 tone or not send for Integration (A Tone/D Voice Mail Tone)

Page 486 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Station Outgoing Call Restrict stations from Assign FRL. Restriction making outgoing calls FRL Assignments T1 Span Frame and LED 02 Coding Format T1 Span Line Code *41-1...

Page 487 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary LCR Parameters 50-2 LCR Home Area Code Set Home Area Code Local Area Code Assignment Caller ID Circuit Set Caller ID circuit Assignments to CO Caller ID Assignment Class Equipment No.

Page 488 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Attendant Console Second Overflow destination 58-5 Overflow Destination Overflow Destination DKT Data Assignment parameter of attendant Assignments Attendant Console DK424 Attendant Second Attendant Group Overflow destination...

Page 489 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Call By Call Service Incoming Line Group Assignment Call By Call Service Outgoing Line Group Assignment Call-by-Call Trunk Second *66-2 Group Codes and Set Facility Code Facility code Value...

Page 490 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Maximum number of Bch in Time Zone1 ISDN Trunk Groups Set Maximum number Call By Call Service Maximum number of *67-4 Maximum Channel of B-channels reserved...

Page 491 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary Set External Music On Hold1 on ACTU/ BECU connected or not connected Set External Music On Hold2 on BIOU1 connected or not connected Set External Music On Hold3 on BIOU1...

Page 492 Strata CTX/DK Program Cross-reference Strata DK to Strata CTX Strata DK Strata CTX Program Name Parameter Summary Program Name Summary (1)Destination Type Ground/LOOP Start/ Direct Inward Set Ringing Station at (Day2) 84-86 CO Line Station LED 01-20 Termination DAY2 Ringing Assignment (2)Destination (1)Destination Type...

Page 493: Prg No

Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX to Strata DK The following numerical listing gives you the Strata CTX program numbers and titles and cross-reference Strata DK programs that are similar. Note Only programs having a similar Strata DK program have been listed in the table below. Strata CTX Strata DK Program Name...

Page 494 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary Peripheral Options(Door Phones) Door lock unlock timer 77-1 RSIU/RSIS/RMDS, LED 20 Door Lock Time PIOU/PIOUS/IMDU, PEPU 9+11 Judgment Timer 11-6 E911 Interdigital Timer E911 Interdigital Timer Destination busy...

Page 495: Level 1 Security Code, Level 2 Security Code

Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary External Music On Hold3 on BIOU1. External Music On Peripheral Hold4 on BIOU1. External Music on Options(Door Phones) External Music On Hold Source 77-1 RSIU/RSIS/RMDS,...

Page 496 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary Digital and Electronic Feature Key Pattern Telephone Keystrip The appropriate code Type Number of Add-on Add-on Modules Button The number of Add-on Modules Assignments Modules...

Page 497 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary Automatic Busy System Assignments, Automatic Busy Redial Redial’s Retry Count 10-1 LED 12 Part 1 of 3 (ABR) Cycles when Outgoing Call Automatic Busy System Assignments, Station Timer...

Page 498 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary System Assignments, Standard Telephone 12-1 Emergency Ring Basic Timing Ring Down Timer Emergency Ring Down Timer setting of Down Assignment Standard Telephone Set Destination Port an originating terminal...

Page 499: Set Did Extension Number

Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary (2) Channel identifier number slot map/ channel type for LED 03 "Set ""64 kbps. Data"" unrestricted digital Information 64kHz (1) Bearer Capability *67-2 ISDN Primary Trunk Call Types for ISDN...

Page 500 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary (1) Destination Type (Day1,data) (2) Destination (1) Destination Type [PDN], [PhDN], DH, Set DID Extension (Day2,data) ACD or Modem DID Number Ext.

Page 501 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary ISDN Calling Number Default calling Outbound CNIS Identification *68-2 Set CPN Number Parameters Assignment Trunk Group 1. Outgoing First *68-1 Calling Number ID 2.

Page 502 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary Start time of Time Zone1 Call by Call Time Start time of Time Multiple Time Zone Set Start Time for Time *67-5 Zone

Assignment Zone2...

Page 503 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary Caller ID field Caller ID, ANI and SMDR for System indication SMDR Data Output DNIS data will be sent 60-1 LED 01 Assignment Options...

Page 504 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK Strata CTX Strata DK Program Name Summary Program Name Parameter Summary LCR select Time zone LCR Route Plan LCR Schedule Fourth Schedule Table Time Assignments for LCR Start Time Start time for Time parameter Zone Assignment Plans...

Page 505 Part 2 of 3 Dial sending time at Identification Code, LED 06 Voice Mail port Dual Multi-frequency (DTMF) Signal Time Toshiba Stratagy, Whether send A,D Stratagy DK and/or VP tone or not send for LED 15 Integration (A Tone/D Voice Mail...

Page 506 Strata CTX/DK Program Cross-reference Strata CTX to Strata DK C-28 Strata CTX Programming - Part 4: Appendices 11/03...

Page 507: System

Record Sheets System Card Assignment Record Sheets The following record sheets are designed for both CTX WinAdmin and button programming users. PCB Code and Options are provided for Button Programmers only. CTX670 Base Cabinet 1: Location – Local/Remote _____ Slot Number B101 B102 S101...

Page 508 Record Sheets System CTX670 Expansion Cabinet 5: Location – Local/Remote _____ Slot Number S_01 S_02 S_03 S_04 S_05 S_06 S_07 S_08 S_09 S_10 PCB Name PCB Code (FB01) FB02 Options FB03 FB04 Line/Channel Number Port Station Number CTX670 Expansion Cabinet 6: Location – Local/Remote _____ Slot Number S_01 S_02...

Page 509: Card Assignment Record Sheet – Strata Ctx 100

Record Sheets System Card Assignment Record Sheet – Strata CTX 100 CTX100: Location – Local/Remote _____ CTX100 Base Cabinet CTX 100 Expansion Cabinet Slot Number S_01 S_02 S_03 S_04 S_05 S_06 S_07 S_08 PCB Name PCB Code (FB01) Options FB02 FB03 FB04 Line/Channel Number...

Page 510: Cos Record Sheet

Record Sheets System COS Record Sheet COS Assignment Code:_____ Service Name Enable Disable Service Name Enable Disable Auto Busy Redial DN Retrieve Call Pickup Call Forward Override Handsfree Override Call Transfer w/ Camp-on Privacy Override Change DISA Codes Invoke Emerg Page DND Override - Calling Party Join Feature DND Override - Called Party...

Page 511: System Data Record Sheet

Record Sheets System System Data Record Sheet Service Name Values Service Name Values 01 Executive Override 15 COS Override Code 02 Station MOH Source 16 Multi-Conference 03 Ring Transfer Tone 17 Call Number Display 04 Transfer Privacy Not Used 18 Night Bell Relay 05 Privacy Override 19 Display Preference 06 Credit Card Code...

Page 512: System Call Forward Record Sheets

Record Sheets System System Call Forward Record Sheets Program 500 Values Program 504 Values 00 SCF 01 Call Type 02 Period Number TelStatus Destination 1 Destination 2 TelephoneStatus Strata CTX Programming - Part 4: Appendices 11/03...

Page 513: System Speed Dial Record Sheet

Record Sheets System System Speed Dial Record Sheet 00 Speed 00 Speed 01 Number 02 Name 01 Number 02 Name Dial Bin Dial Bin Strata CTX Programming - Part 4: Appendices 11/03...

Page 514: Day/Night Mode Record Sheet

Record Sheets System Day/Night Mode Record Sheet Program 112 Values Program 106 Values Work Day, Non-Work Day or Calender Day 01 Working Day Type Holiday 01 Monday 02 Tuesday

03 Wednesday 04 Thursday 05 Friday 06 Saturday 07 Sunday Program 113 Values Day 1 Day 2 Night...

Page 515: Smdr Smdi Cti Port Assignments

Record Sheets System SMDR SMDI CTI Port Assignments Service Name Values SMDR SMDI 00 Logical Device Number RS232 01 Device Connection RS232 Device Port Number Strata CTX Programming - Part 4: Appendices 11/03...

Page 516: Bsis Rs-232 Serial Port Setup

Record Sheets System BSIS RS-232 Serial Port Setup Service Name Values 00 BSIS Port (1~4) 01 Port Speed 02 Port Parity 03 Data Bits 04 Flow Control 05 Wait Timer D-10 Strata CTX Programming - Part 4: Appendices 11/03...

Page 517: Station

Record Sheets Station Station Basic Station Record Sheets Primary DN: _____ 01 PDN Equipment No. Day 1 17 Emerg Call Group 31 Network COS 02 Station Type 08 QPL Day 2 18 Remote CF/DND PW 32 Auto OCA 03 Circuit Type Night 19 VMID Code SMDI 33 Originate OCA...

Page 518: Dkt Parameters Record Sheet

Record Sheets Station DKT Parameters Record Sheet Primary DN: _____ 01 Station Type 11 Ext. Ring Repeat 19 Continuous DTMF 27 Ring Over Busy Cycles 02 Key Strip Pattern 12 Not Used 20 Display Language 28 Attd. Overflow Dest. 03 Key Strip Type 13 Off Hook Line Preference 21 Adapter 29 Trunk Test and Verify...

Page 519: Feature Button Record Sheet

Record Sheets Station Feature Button Record Sheet PDN, Sub-parameter Settings Button Button Button Phantom DN, Number Name Code CO, GCO, PL D-13 Strata CTX Programming - Part 4: Appendices 11/03...

Page 520: Record Sheets For 10-Button And 20-Button Telephones

Record Sheets Station Record Sheets for 10-button and 20-button Telephones PDN No. _____ PDN No. _____ PDN No. _____ PDN No. _____ Location: Location: Location: Location: Button Code Button Code Button Code Button Code Button Code Button Code Button Code PDN No.

Page 521: Record Sheets For The Dkt3014

Record Sheets Station Record Sheets for the DKT3014 PDN No. _____ PDN No. _____ PDN No. _____ PDN No. _____ Location: Location: Location: Location: Button Code Button Code Button Code Button Code Button Code Button Code Button Code Button Code PDN No.

Page 522: Phantom Dn Record Sheet

Record Sheets Station Phantom DN Record Sheet 02 Tone/Voice 1st Voice Mail 05 System Phantom DN 01 Owned PDN 04 Display DN 09 Message 11 Display Call Forward Tone Voice 06 ID 10 User Name Center Name D-16 Strata CTX Programming - Part 4: Appendices 11/03...

Page 523: Hunt Group Record Sheet

Record Sheets Station Hunt Group Record Sheet Program 209 Values Program 218 Values 01 Hunt 03 DN Set 05 Pilot 07 DHG Group 02 Pilot 04 Number to 01 Hunt Method Type Multiple Auto 02 DN Number Number Display Order SCFwd DN Hunt Camp-on...

Page 524: Station Data Record Sheets

Record Sheets Station Station Data Record Sheets Program 208 Values Program 210 Values (Enter a Check to turn “ON”) Ring Prime Hold Retry Retry Inter Inter Xfer Recall Recall Count Interval digit digit Program 216 Values Program 502 Values (Enter a Check to turn “ON”) Program 516 Values Prime 01 Speed...

Page 525: Isdn Bri Station Record Sheets

Record Sheets Station ISDN BRI Station Record Sheets Primary DN: _____ 01 Equipment Day 1 14 56Kbps Unrestricted 25 Network COS 02 ISDN Ch Grp 07 FRL Day 2 15

2x64Kbps Unrestricted 26 Additional DN2 03 ISDN Protocol Day 3 16 B Channel Selection 27 Additional DN3 04 Type Connection...

Page 526: Isdn Station Data Record Sheet

Record Sheets Station ISDN Station Data Record Sheet D-20 Strata CTX Programming - Part 4: Appendices 11/03...

Page 527: Trunks

Record Sheets Trunks Trunks ILG Record Sheet Program 304 Values ILG: _____ 01 Group Type Day 1 11 DID Digits 20 Send Dial Tone 02 Trunk Type 08 DRL Day 2 12 Speech/3.1KHz 21 TGAC Override 03 Service Type Night 13 Delay 1 22 Network COS Ringing...

Page 528: Olg Record Sheet

Record Sheets Trunks OLG Record Sheet Group Number: _____ 01 Group Type Day 1 11 Speech 3.1KHz 02 Trunk Type 08 COS Day 2 12 MOH Source 03 Pvt Service Type Night 13 Account Code 04 Key 1 Day 1 14 DR Number 05 Key 2...

Page 529: Trunk Assignment Record Sheet

Record Sheets Trunks Trunk Assignment Record Sheet Trunk D-23 Strata CTX Programming - Part 4: Appendices 11/03...

Page 530: Caller Id Assignment Record Sheet

Record Sheets Trunks Caller ID Assignment Record Sheet Trunk Number 01 Signal Method 02 Signal Content 03 CLID Equip D-24 Strata CTX Programming - Part 4: Appendices 11/03...

Page 531: Did Assignment Record Sheet

Record Sheets Trunks DID Assignment Record Sheet ILG _____ Audio Destination Type Data Destination Type 01 DID Num 05 Day 1 06 Day 2 07 Night 08 Day 1 09 Day 2 10 Night 02 MOH Source Type Dest Type Dest Type Dest...

Page 532: Did Intercept Assignment Record Sheet

Record Sheets Trunks DID Intercept Assignment Record Sheet ILG Number _____ Audio Destination Data Destination 01 Type 05 Day 1 06 Day 2 07 Night 08 Day 1 09 Day 2 10 Night 02 MOH Source Type Dest Type Dest Type Dest Type...

Page 533: Trunk Timer/Dit Record Sheet

Record Sheets Trunks Trunk Timer/DIT Record Sheet Program 308 Values Program 310 Values 01 Day 1 Destination 02 Day 1 Destination 03 Night Destination 01 Auto 02 Short 03 Long Trunk Equip No. 04 MOH Release Flash Flash Pause Response Type Destination Type...

Page 534: Isdn Bri Record Sheet

Record Sheets Trunks ISDN BRI Record Sheet Channel Group: _____ 01 Equipment Number 07 3.1KHz Audio 12 Outgoing B Channel 17 SPID 2 02 Protocol 08 7KHz 13 B CH Selection 18 T-Wait Timer 03 ILG 09 Unrestricted 64K 14 Initialize Type 19 Voice Calls 04 OLG 10 Unrestricted 56K...

Page 535: Pri Trunks Record Sheet

Record Sheets Trunks PRI Trunks Record Sheet Enable/ Enable/ Ch Method Disable Method Disable Channel Group: _____ Dis CB CH SB SH 01 RPTU Equip 08 Speech 14 Unrestricted 384K 21 B Ch Select 02 Protocol 09 3.1KHz Audio 15 Unrestricted 1536K 22 T1 Time Slot 03 ILG 10 7KHz Audio...

Page 536: Call-By-Call Record Sheet

Record Sheets Trunks Call-by-Call Record Sheet Program 323 Values Program 324 Values Zone 1 Zone 2 Zone 3 02 Type Start Start Start 03 Fac 04 Service 05 Network Ch Group 01 Index 06 ILG 07 OLG Zone Zone Zone Code Param Service...

Page 537: B Channel Select Record Sheet

Record Sheets Trunks B Channel Select Record Sheet Channel Group: _____ (Enter a check mark to indicate activated B Channels) 01 B Ch 02 B Ch 03 B Ch 04 B Ch 05 B Ch 06 B Ch 07 B Ch 08 B Ch 09 B Ch 10 B Ch...

Page 538: Shared D Channel Record Sheet

Record Sheets Trunks Shared D Channel Record Sheet 01 Equipment Ch Group 02 Trunk ID 03 D Ch Provided Number D-32 Strata CTX Programming - Part 4: Appendices 11/03...

Page 539: Calling Number Record Sheets

Record Sheets Trunks Calling Number Record Sheets Program 321 Values Program 322 Values 01 Default 02 Number 03 Number 04 Default 01 Destination 03 DID OLG Number 02 Destination Number Prefix Verification Number 2 Type Number D-33 Strata CTX Programming - Part 4: Appendices 11/03...

Page 540: Attendant

Record Sheets Attendant Attendant Attendant Group Record Sheet 00 Attendant Group 01 Call Dist Method 02 Alternate Destination 03 Overflow Time 04 Group Overflow Destination 05 Voice Mail ID Member ICI1 ICI2 ICI3 ICI4 ICI5 ICI6 ICI7 ICI8 ICI9 ICI10 D-34 Strata CTX Programming - Part 4: Appendices 11/03...

Page 541: Ip Telephone Programming

Record Sheets IP Telephone Programming IP Telephone Programming System IP Data Assignment Service Name Values Service Name Values 01 Automatic Assignment of Station ID 02 Terminal Authentication 03 Diffserv 04 TOS Field Type 05 TOS Precedence Type TOS Delay Type TOS Throughput Type TOS Reliability Type 06 DSCP...

Page 542: Station Ip Data Assignment

Record Sheets IP Telephone Programming Station IP Data Assignment Service Name Values Prime DN 01 Station ID 02 Station IP Address Type 03 Station IP Address 04 Automatic assignment of Station ID 05 Station Terminal Authentication Mode 06 Station MAC Address 07 Voice Packet Configuration Table Index 08 Audio Codec 09 Display Software Version Number of IPT...

Page 543: Services

Record Sheets Services Services Pilot DN Assignment Record Sheet After Shift Pilot DN 03 Voice Mail ID 01 Type 02 Destination D-37 Strata CTX Programming - Part 4: Appendices 11/03...

Page 544: System Voice Mail Record Sheet

Record Sheets Services System Voice Mail Record Sheet System Name:_____ System Type:_____ Date:_____ 01 VM ID to DID/DNIS 07 Auto Cancel 13 CF No Answer Record 02 Cancellation Method 08 DTMF Duration 14 Direct Call 03 Message Desk No. 09 LCD Control of VM 15 Retrieve Messages 04 CLASS Output 10 Central VM Callback...

Page 545: Voice Mail Port Data Record Sheet

Record Sheets Services Voice Mail Port Data Record Sheet 01 Control 02 Send A/D 03 Send B 00 VM Port DNs 04 End-to-end Method Tone Tone D-39 Strata CTX Programming - Part 4: Appendices 11/03...

Page 546: Routing Definition Record Sheets

Record Sheets Services Routing Definition Record Sheets Program 524 Values Program 525 Values 00 Route 01 OLG 02 Digit Mod 00 Route Choice Table 01 Rte 1 02 Rte 2 03 Rte 3 04 Rte 4 05 Rte 5 06 Rte 6 Definition Number Index...

Page 547: Route Schedule Record Sheets

Record Sheets Services Route Schedule Record Sheets Program 528 Values Tues Thur Program 523 Values LCR Group 1 LCR Group 2 LCR Group 3 LCR Group 4 LCR Group 5 LCR Group 6 LCR Group 7 LCR Group 8 Day Type Day Type Day Type Day Type...

Page 548: Lcr Assignment Record Sheets

Record Sheets Services LCR Assignment Record Sheets Program 520 Values Program 521 Values 01 Local Area Code 00 Analysis Digits 02 Local Route Plane 01 Route Plan Number Program 522 Values 00 Exception Digits 01 Exception Table D-42 Strata CTX Programming - Part 4: Appendices 11/03...

Page 549: Lcr Time Zone Record Sheets

Record Sheets Services LCR Time Zone Record Sheets Program 527 Values 00 Holiday 00 Holiday 00 Holiday 00 Holiday Date Desc Date Desc Date Desc Date Desc Program 529 Values 00 Route 01 Day 02 Time 03 Start 00 Route 01 Day 02 Time 03 Start...

Page 550: Dr Lcr Screening Record Sheet

Record Sheets Services DR LCR Screening Record Sheet Program 530 Values 01 Add String 00 Screening 02 DR 03 LCR 04 Digit Mod 05 Skip Dial String Action Action Action Length Delete Program 531 02 Code 01 Behind Centrex 03 DR Action 05 Pause 00 OLG 04 Skip Length...

Page 551: Dr Record Sheets

Record Sheets Services DR Record Sheets Program 532 Values Program 533 Values Program 534 Values 01 Type 02 Action 02 Action 01 Dial 01 DRE 00 DRL String Table Allow Deny Delete Delete Program 111 Values Credit Card Calling Credit Card Calling DRL Number DRL Number Enable...

Page 552: Cos Override Code Record Sheet

Record Sheets Services COS Override Code Record Sheet 01 COS 00 COS 02 Set 03 Set 04 Set 05 Set Override 06 Network COS Override Code D-46 Strata CTX Programming - Part 4: Appendices 11/03...

Page 553: Node Id Assignment Record Sheet

Record Sheets Services Node ID Assignment Record Sheet 01 Primary 03 Node ID 2 04 Node ID 3 05 Node ID 4 Node ID Local Nodes Overlap Codes D-47 Strata CTX Programming - Part 4: Appendices 11/03...

Page 554: Private Routing Plan Analysis Table Record Sheet

Record Sheets Services Private Routing Plan Analysis Table Record Sheet 01 Route 01 Route 01 Route 00 Node ID Choice 00 Node ID Choice 00 Node ID Choice Table Table Table D-48 Strata CTX Programming - Part 4: Appendices 11/03...

Page 555: Route Choice Definition Record Sheet

Record Sheets Services Route Choice Definition Record Sheet Program 653 Values Program 654 Values Program 655 Values Route Definition Tables 00 Route 00 Route 02 Digit 00 Digit 01 Delete 01 OLG 02 Insert Digits Choice Table Definition Mod Table Digits D-49 Strata CTX Programming - Part 4: Appendices 11/03...

Page 556: Network Mapping Record Sheets

Record Sheets Services Network Mapping Record Sheets Program 658 Program 659 Program 660 Program 657 Values Values Values Values Network Local 04 COS 05 TGAC Table Type: Table Type: Table Type: Sys SD Override Override _____ _____ _____ DRL1 FRL1 QPL1 DRL2 FRL2...

Page 557: Call History Record Sheet

Record Sheets Services Call History Record Sheet Circuit Type 01 PDN Circuit Type 01 PDN Circuit Type 01 PDN D-51 Strata CTX Programming - Part 4: Appendices 11/03...

Page 558: Behind Centrex Assignment Record Sheet

Record Sheets Services Behind Centrex Assignment Record Sheet 01 Behind 02 Assume 03 Pause 01 Behind 02 Assume 03 Pause 00 OLG Number 00 OLG Number Centrex Timer Centrex Timer D-52 Strata CTX Programming - Part 4: Appendices 11/03...

Page 559: Door Phone Assignment Record Sheet

Record Sheets Services Door Phone Assignment Record Sheet Program 507 Values Program 576 Values 06 Day 1 07 Day 2 08 Night 00 Door Phone 01 DDCB 02 Tenant 04 Ring 05 LCD 00 Tenant 01 Page Number Equipment Number Duration Name Number...

Page 560: Paging Device Group Assignment Record Sheet

Record Sheets Services Paging Device Group Assignment Record Sheet Paging Groups (Enter Check to turn On) 00 Zone 17 Include in All 18 All Emerg 19 Ext Generic Relay Paging Group Page Group Relay Number D-54 Strata CTX Programming - Part 4: Appendices 11/03...

Page 561: Emergency Call Group Assignment Record Sheet

Record Sheets Services Emergency Call Group Assignment Record Sheet OLG Number 00 E-Call Group D-55 Strata CTX Programming - Part 4: Appendices 11/03...

Page 562

Record Sheets Services D-56 Strata CTX Programming - Part 4: Appendices 11/03...

Page 563: Ip Telephone/Bipu Firmware Update Procedures

BIPU program update process. Any of these operations will damage the BIPU kernel software and require the BIPU software restoration process to enable the BIPU to function. Restoration can only be done at a Toshiba TSD repair facility. Strata CTX Programming - Part 4: Appendices 11/03...

Page 564: Bipu Update

Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures WinAdmin Menu CTX Smart Media Card IP Telephone: Program (directory): BIPU Program update BIPUXXX (file) DIPXXXX (file) IPT Program update WinAdmin PC CTX Processor BIPU IP Network-WAN, LAN, VPN, Internet server, VPN Router or Switch Box etc. (not a HUB) 6784 Figure 3 FTP Server (SmartMedia card) Network Connection...

Page 565: Ip Telephone Update

Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures 8. Press the BIPU reset button for proper initialization. IP Telephone Update Important! Complete all “Prerequisites” page E-1 before you do the following. From the WinAdmin PC or External SmartMedia read\write device 1.

Page 566: Method 2: Update From A Ftp Directory On The Winadmin Pc

2. Create an FTP virtual directory and path to C:\CTX\WinAdmin\CTXIPUPDATE. The drive letter must be the drive on which WinAdmin is installed. This can be done automatically by running the “CreateFTPVdir” executable file provided by Toshiba. See “To create a Virtual FTP directory on the WinAdmin PC”...

Page 567: Bipu Update

Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures WinAdmin Menu WinAdmin PC IP Telephone: C:\CTX\WinAdmin\ CTXIPUPDATE (directory): BIPU Program update BIPUXXX (file) IPT Program update DIPXXXX (file) WinAdmin PC BIPU Processor IP Network-WAN, LAN, VPN, Internet server, VPN Router or Switch Box etc. (not a HUB) 6785 Figure 4 FTP Server (WinAdmin PC) Network Connection...

Page 568: Ip Telephone Update

Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures 11. Press the BIPU reset button for proper initialization. IP Telephone Update Important! Complete all “Prerequisites” page E-4 before you do the following. Copy the DIPXXXX file into the WinAdmin PC CTXIPUPDATE directory. Notes The directory location should be C:\Ctx\W inAdmin\CTXIPUPDATE The drive letter must be the drive on which WinAdmin is installed.

Page 569: Method 3: Update From An External Ftp Server

Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures Method 3: Update from an External FTP Server Prerequisites 1. An FTP server must be connected on the same network domain as the IP telephones. The WinAdmin PC, CTX processor and BIPU must be in the same domain but it does not have to be the domain that supports the IP telephones and

FTP server.

Page 570: Ip Telephone Update

Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures From the WinAdmin PC perform the BIPU update Important! The BIPUs and IPTs will automatically be disabled while Update takes place and return to the idle state when Update is complete (if they were in the idle state when the Update was started).

Page 571 Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures 7. From File Name box enter: DIPXXXX 8. Click Start and observe the update status: Getting Updated file\Updating\Finished Updating\Resetting\idle. Notes It could take 1 to 5 minutes to update the BIPU If an error occurs, recheck file names, locations etc.

Page 572 Software and Firmware Updates IP Telephone/BIPU Firmware Update Procedures E-10 Strata CTX Programming - Part 4: Appendices 11/03...

Page 573 Index Numerics called number table 13-70 caller history 13-88 100 series programs 13-11 caller ID 200 series programs 13-28 caller ID assignment 13-62 300 series programs 13-52 card slot assignment 13-11 400 series programs 13-73 CBC table 13-71 500 series programs 13-74 CBC time zones 13-72...

Page 574 Index date adjust code 13-14 DRL table view 9-34 day of week mapping 13-21 day/night mode 13-21 13-24 console assignment 13-48 default feature access codes feature keys 13-48 destination restriction 9-32 9-34 DTMF version 13-98 destination restriction level 13-24 destination restriction overview emergency call destination assignment 13-73 destination restriction/least cost routing...

Page 575 Index integration multiple call groups 5-32 music on hold 4-26 13-23 intercept intercept treatment 13-69 network COS mapping table assignment 13-93 IO logical device assignment 13-94 network directory number 9-40 IP configuration 13-110 network DN table assignment 9-59 13-93 IP QSIG 13-53 network DRL mapping tables 13-93...

Page 576 Index private digit modification table assignment 13-92 215 DSS feature keys 5-15 13-48 private route choice definition 9-56 216 emergency ringdown assignment 13-50 private route choice table assignment 13-91 217 ISDN station data 5-40 13-50 private route definition table assignment 13-91 218 station hunt group assignment 5-26...

Page 577 Index 510 COS override assignment 9-13 9-38 13-79 page 9-70 13-88 512 SMDR for system assignment 9-64 13-79 577 caller history 9-66 13-88 513 SMDR for ILG assignment 9-65 13-79 579 system voice mail data 13-89 514 SMDR for OLG assignment 9-65 13-80 580 voice mail port data...

Page 578 Index public dial plan digit 13-26 station data (208/210/216/502/516) D-18 public holidays 9-29 system call forward (500/504) system data (105) system speed dial (501) QSIG 6-28 9-39 13-54 13-58 system voice mail (579) D-38 trunk assignment (300) D-23 trunk timer (310) D-27 record sheet overview 13-1...

Page 579 13-99 speed dial 4-18 13-74 tools and profile 12-1 speed dial table view 4-19 download 12-1 time Toshiba proprietary integration timers 13-17 trace function 14-8 voice mail data 13-89 trace functions 11-1 system call forward transfer with camp 13-15...

Page 580 Index WinAdmin configuration 12-2 worksheets 10-button and 20-button telephones D-14 D-15 parameter selection D-13 slot assignment IN-8 Strata CTX Programming Manual 11/03...

This manual is also suitable for:

Ctx100Ctx670Strata ctx seriesStrata ctx100-sStrata ctx100Strata ctx670