

Lucent Technologies
Bell Labs Innovations



Call Accounting System
Cost Allocator Version 2 Integrated
Poller

555-006-509

Copyright © AT&T
All Rights Reserved
Printed in USA

Notice

Every effort was made to ensure that the information in this document was complete and accurate at the time of printing. However, information is subject to change.

Ordering Information

The ordering number for this document is 555-006-509. To order this document, call the AT&T Customer Information Center (CIC) at 1-800-432-6600 (in Canada, 1-800-255-1242). For more information about AT&T documents, refer to the *Business Communications Systems Publications Catalog* (555-000-010).

Trademarks

MCI is a registered trademark of MCI Communications Corporation.
MERLIN LEGEND is a trademark of AT&T.
UNIX is a registered trademark of AT&T.

Contents

	About This Document	1
	▪ Purpose	1
	▪ Intended Audience	1
	▪ How This Document Is Organized	1
	▪ Document Design	2
	▪ Conventions Used in This Document	2
	▪ Related Resources	3
	▪ Trademarks and Service Marks	4
	▪ How to Make Comments About This Document	4

1	Overview	1-1
	▪ Network Design	1-2
	▪ Call-Record Collection	1-3

2	Installation and Setup	2-1
	▪ Installing the Option	2-2
	▪ Verifying Installation	2-2
	▪ Entering and/or Viewing Port Information	2-2
	▪ Completing Site Installations	2-4
	▪ Entering the Integrated Poller Configuration	2-4
	▪ Verifying Call-Record Collection and Processing	2-7
	▪ Getting Help	2-9

3	Operation	3-1
	▪ Editing the Integrated Poller Configuration	3-2
	▪ Polling a Site	3-2
	▪ Listing Polling Activity	3-2
	▪ Administering a CDRU	3-4

About This Document

Purpose

This document is intended to guide those who want to understand, use, and administer the Integrated Poller option for the Cost Allocator Version 2 (CA V2) system. Complete details for installation and operation of the option are provided.

Intended Audience

This document is written for the following audiences:

- Users and administrators of the CA V2 system
- AT&T installation, maintenance, and other service technicians
- Technical Service Center personnel

How This Document Is Organized

This document is organized as follows:

- Chapter 1, *Integrated Poller Overview*, describes where this option fits into a call-accounting system and the capability it provides.
- Chapter 2, *Installation and Setup*, describes how to install and setup the option.
- Chapter 3, *Using the Integrated Poller Functions*, describes how to use the option's functions.

Document Design

This document is designed to be inserted into the *Cost Allocator Version 2.0 Administration, Operations, and Maintenance* binder. A tab is provided for quick identification of the Integrated Poller documentation.

Conventions Used in This Document

The following typographic conventions are used in this document:

- Keys that you press are shown in angle brackets — for example:

Press <ESC>.

- Two or more keys that you press simultaneously are shown together in angle brackets, separated by a hyphen — for example:

Press <Ctrl-c>.

- Commands that you can execute by typing just the first letter of the command name are shown with the first letter in angle brackets — for example:

Press <U>pdate.

- The word “enter” in a procedure means type a value and press <↵> (the carriage return on your keyboard) — for example:

Enter *y* to continue.

- Information displayed on the screen is shown in `constant-width` type — for example:

The message `Rating Running.` appears.

- User entries to be typed exactly as shown appear in `constant-width bold` type — for example:

At the `login:` prompt, enter **v2**

- Variables, whose values are supplied by you or the system, are shown in *italic* type — for example:

User *login_name* has been added.

Related Resources

The following documents may provide you with additional or related information:

- *Cost Allocator Version 2 Administration, Operation, and Maintenance* (555-006-506) — for CA V2 users; describes call accounting networks and operation in general, and CA V2 functionality and report capability in detail.
- *Cost Allocator Version 2 Installation* (555-006-111) — for AT&T technicians and/or others interested in understanding or performing an installation.
- CA V2 optional module documentation — In addition to this document, the following documents describe the installation and operation of the CA V2 software options:
 - *Cost Allocator Version 2 Enhanced Reporting Module* (555-006-508)
 - *Cost Allocator Version 2 Enhanced Rating I* (555-006-510)
 - *Cost Allocator Version 2 Enhanced Rating II* (555-006-511)
 - *Cost Allocator Version 2 Enhanced Chargeback* (555-006-512)
- *Call Detail Recording Unit/Small* (555-006-212) — describes installation and administration of the CDRU/S.
- *Call Detail Recording Unit/SE* (555-006-215) — describes installation and administration of the CDRU/SE.
- *UNIX System V/386 Release 3.2.3 Operations/System Administration* — describes administration of the UNIX operating system running on a 6386 WGS processor.
- *UNIX System V/386 Release 3.2.3 FACE User's Administrator's Guide* — describes administration of the 6386 WGS under UNIX System V using the FACE menu system.

Trademarks and Service Marks

The following trademarked products are mentioned in this document:

- DEFINITY, DEMENSION PBX, MERLIN, and SPIRIT are registered trademarks and service marks of AT&T.
- UNIX is a registered trademark of UNIX System Laboratories, Inc.
- MCI and PRISM are registered service marks of MCI Communications Corporation.
- MITEL SX is a trademark of MITEL Corporation.
- NEC is a trademark of NEC TELEPHONES, INC.
- ROLM is a trademark of ROLM Corporation.
- SL1 is a trademark of NORTHERN Telecom Limited.

How to Make Comments About This Document

Reader comment cards are included at the beginning of this document. We are interested in your suggestions for improving this document and urge you to fill out a card and send it in. If the reader comment cards have been removed from this document, please send your comments to:

AT&T Technical Publications Department
Room 22-2C11
11900 North Pecos Street
Denver, Colorado 80234

This chapter provides general information describing a CA V2 system using the Integrated Poller. The Integrated Poller optional module consists of a disk containing the software, and this document explaining its installation and use. The software provides an alternative means of polling and/or administering CDRU, CDRU/S, CDRU/SE, and LSU devices without using a CDRP. Call-record collection from up to 255 sites (the system capacity) is possible.

The chapter is divided into the following sections.

- *Network Design* — describes the components in a call-accounting network using the Integrated Poller.
- *Call-Record Collection* — describes using the Integrated Poller to collect call records from remote sites for processing at the central site.

Network Design

Figure 1-1 illustrates the components in a CA V2 network collecting call records with the Integrated Poller. The description that follows refers to the numbers in Figure 1-1.

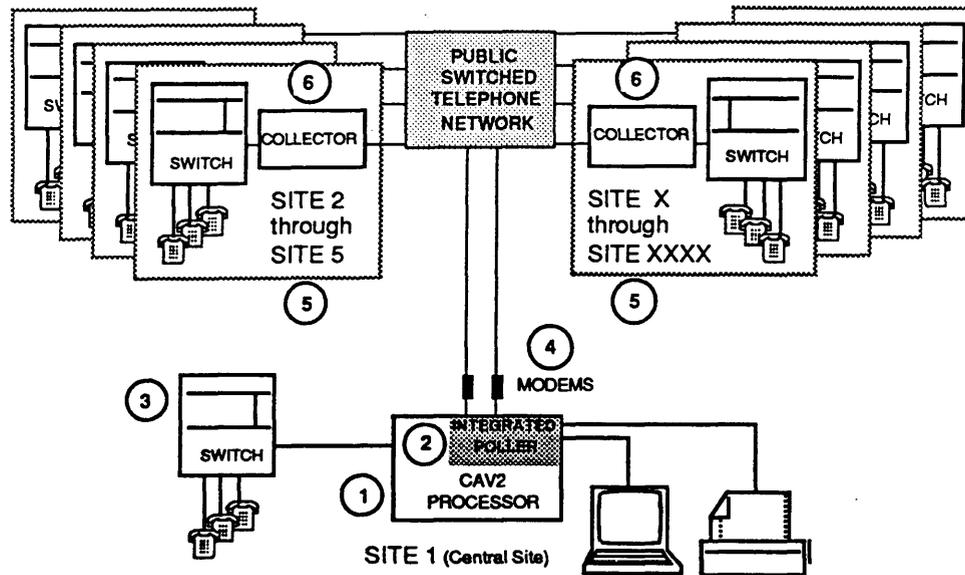


Figure 1-1. Call-Accounting System Architecture: Polling with the Integrated Poller

1. The CA V2 processor houses the CA V2 and modular options software, as well as the call record and all other databases. The processor, administrative terminal, printer, and switch collectively form the central site.
2. The CA V2 Integrated Poller software enables CA V2 to poll remote collectors.
3. An onsite switch with a direct connection allows transmission of call records to the processor without polling.
4. Polling modems receive call-record data from collectors at remote sites. Up to 14 modems can be dedicated to polling.
5. Remote sites (along with the central site) are the sources of call-record data. The system allows up to 255 remote sites.
6. Call collectors store call records from switches at remote sites until they can be safely transmitted for processing.

Call-Record Collection

Figure 1-2 illustrates the flow of call records when the Integrated Poller is the polling device. The description that follows refers to the numbers in Figure 1-2.

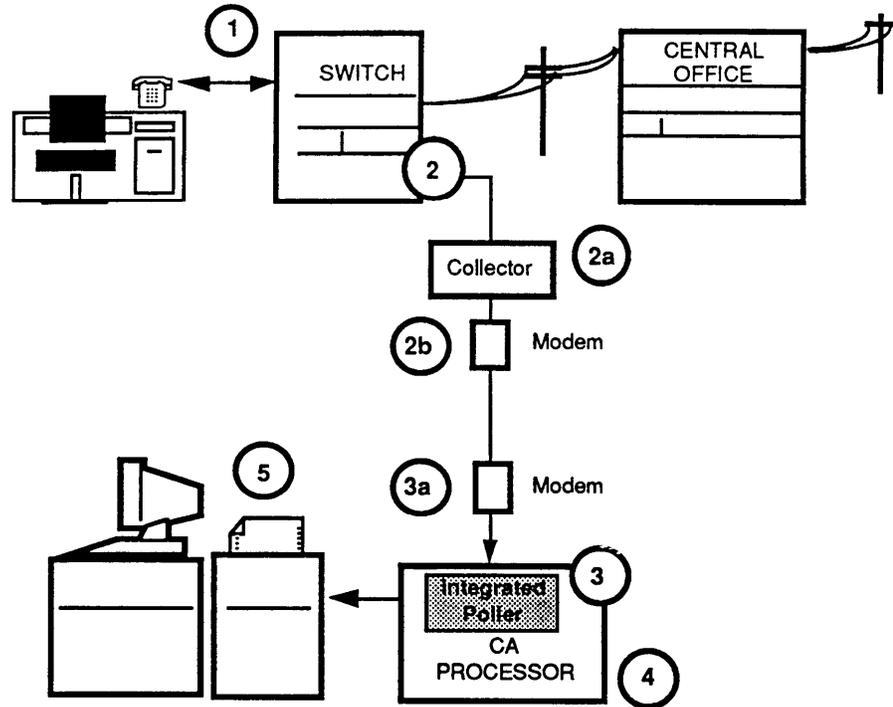


Figure 1-2. Flow of Call-Records Using the Integrated Poller

1. A phone call placed at a CA V2 site is routed through the switch to the local CO, and then to its final destination. Incoming calls are routed to the switchboard and/or station (extension).
2. The *onsite switch* prepares an electronic record of the transaction and sends this call record to a *collector* (2a) to await transmission to the Integrated Poller.
3. The *Integrated Poller* polls each site on a regular schedule. At the specified time, it looks for an available modem (3a) to contact the call collector's modem (3b) and download any stored call records to a CA V2 input buffer to await processing.
4. When the CA V2 input buffer reaches its programmed threshold, the CA V2 processes, costs, and stores call records in each site's database.
5. Call-record information from all sites is stored and made accessible for reports.

This chapter describes the Integrated Poller's installation and verification procedures. It also describes the follow-up procedures to configure the option within the system and verify that call-record collection is operating correctly.

The chapter is divided into the following sections.

- *Installing the Option* — describes how to add the Integrated Poller to a system that is currently operating.
- *Verifying Installation* — describes how to check that installation was successful.
- *Entering and/or Viewing Port Information* — describes how to configure the system's ports with the site's call-record collection devices.
- *Completing Site Installations* — references procedures for installing any remaining sites.
- *Entering the Integrated Poller Configuration* — describes how to use the `Edit Integrated Poller Information` function to enter a polling configuration for each site.
- *Verifying Call-Record Collection and Processing* — describes how to use the `Poll A Site` function to verify the flow of call records from remote sites.
- *Getting Help* — describes how to get support if problems occur.

Installing the Option

Typically, the Integrated Poller option is added to an existing CA V2 system during an expansion from single to multisite operation. Otherwise, the Integrated Poller is part of the original CA V2 software installation

⇒ **NOTE:**

To perform the installation you must access CA V2 using the login created to install your software. Generally, CA V2 is installed using the login `ca`. The installation login is part of the information passed on to you (the system administrator) from the account team.

1. From the main menu, select `Administration`, then `Software Options and Modules`. A screen display prompts you for the `root password`. After you enter the password, a second prompt asks for the location of the drive that contains the software option disk.
2. Identify the drive, insert the option software disk, and press `<ENTER>`. When the `Installation complete` message is displayed, remove the disk and press `<ENTER>` twice. You are returned to the menu system.

Verifying Installation

Follow the procedure below, after an option's installation, to verify its success.

1. From the main menu, select `Call Rating`. The `Integrated Poller` menu is now accessible. Select it to display the submenu functions: `Edit Configuration`, `Poll Site`, `List Activity`, and `Administer CDRU`.
2. Select each function in turn to display its screen and view detail screens, if any. Press `<E>`xit to return to the `Integrated Poller` menu. Press `<ESC>` to return to the main menu.

Entering and/or Viewing Port Information

Generally, an installation technician enters information for all ports used for call collection. Use the procedure that follows if additional port information is required to add the Integrated Poller to your system or to view existing port information.

1. From the main menu, select System, then CDR Port Configuration. A screen similar to the one below appears.

```
COMMANDS: Query Next Previous Add Update Remove Exit
          Update the displayed record
-----
                    EDIT CDR PORT INFORMATION
-----

      Port Name:  tty03
      Port Enabled?  Y
      Port Number:  3
      Description:  CDRP
```

The following fields are displayed.

- Port Name. The UNIX name of a port in tty00 format.
- Port Enabled? <Y>es to make the port active, <N>o otherwise.
- Port Number. A number assigned to identify the type of collection device connected to this port.

⇒ **NOTE:**

Ports serving polling modems used by the Integrated Poller can be grouped under the same port number. The port number must match the Communication Type (entered in Edit Poller Configuration) of a site using the Integrated Poller for call collection.

- Description. An optional comment. Used to identify the device connected to this port.

2. Use <Q>uery to view a specific port, or <N>ext and/or <P>revious to page through port information one record at a time.
3. To change displayed port information, press <U>pdate and enter data from the keyboard. When complete, press <ESC>.
4. To add new port information, press <A>dd and enter the information in the data-entry fields described in step 1. When complete, press <ESC>. Repeat this step for all new ports being added.
5. To return to the main menu, press <E>xit.

Completing Site Installations

Install all sites as documented in *Cost Allocator Version 2 Administration, Operation, and Maintenance (555-006-506)*, chapter 5, *Setup Procedures, Setting Up Site Parameters*, before starting the next procedure, *Entering the Integrated Poller Configuration*.

Entering the Integrated Poller Configuration

Use this procedure to enter call-collector information and a polling schedule for sites using the Integrated Poller.

1. Locate this site's *Call Collection Configuration Part II* planning form. From the main menu, select *Call Rating*, then *Integrated Poller*, and finally *Edit Configuration*. A screen similar to the one below appears.

```

COMMANDS: Query Next Previous Detail Exit
          Find detail record
-----
                EDIT INTEGRATED POLLER CONFIGURATION
-----
                Site: Site 2 NYC
    
```

2. Use <Q>uery, <N>ext, or <P>revious to display a site; then press <D>etail. A screen similar to the one below appears.

```

COMMANDS: Update Master Detail Exit
          Update the displayed record
-----
                EDIT INTEGRATED POLLER CONFIGURATION
-----
                Site: Site 2 NYC
          Collection Device: CDRU                Site Enabled? Y
          Call Record Format:                    Time Zone: 5
          Communication Type: 3                Daylight Savings? Y

          CDRU Telephone Number: T,,9999999999
          CDRU Admin Telephone Number:
          Priority: 1

WEEKLY SCHEDULE (CDRU Local Time)    WEEKEND SCHEDULE (CDRU Local Time)
Start  End Cycle Time Interval      Start  End Cycle Time Interval
05:00  20:00  S      05:00                N
                                     N
                                     N
    
```

The following fields are displayed:

- **Collection Device.** The device sending the call records from the site: either CDRU/S, CDRU/SE, 3B2 CDRU, or 386 CDRU.
- **Call Record Format.** One of CA V2's predefined switch call-record formats.
- **Communication Type.** Number that identifies the port used by the collection device for this site.

⇒ **NOTE:**

This number must match the **Port Number** in the **Edit CDR Port Information** screen. For example, Site 2 is using a CDRU/S and the **Communication Type** number is 3. In **Edit CDR Port Information**, the port number "3" must represent a port connected to a CDRU/S.

- **CDRU Telephone Number.** The number used to reach the polling port of the site's call collector (a CDRU/S, CDRU/SE, 3B2 CDRU, or 6386 CDRU). Use up to 28 characters.

⇒ **NOTE:**

Enter the CDRU telephone number in the following format: T (touch tone) or P (pulse dial) + dial access code (if used) + call collector telephone number (including carrier and direct-dial toll code, if used). Enter commas wherever pauses are required: each comma represents a 3-second pause. For example: T,,1022125551212.

- **CDRU Admin Telephone Number.** The number to reach the modem reserved for remote CDRU administration. (This is not the same as the polling port telephone number — see format criteria in **CDRU Telephone Number** above).
- **Priority.** The number, 1-100, that establishes the site's polling priority. Lower numbers indicate higher priority.
- **Site Enabled?** <Y>es to enable polling of this site, <N>o otherwise.
- **Time Zone.** A number that refers to the time zone of this site's switch. It represents the number of hours difference, during standard time, between the time zone of the switch and universal coordinate time. Valid entries are 0-23.

The zone numbers listed below indicate USA time zones:

Zone Number	Time Zone
4	Atlantic Standard Time
5	Eastern Standard Time
6	Central Standard Time
7	Mountain Standard Time
8	Pacific Standard Time
10	Hawaii and Alaska

- Daylight Savings. <Y>es if the site observes daylight savings time, <N>o otherwise.

The following parameters are used to establish up to 3 daily "time bands" for weekday/weekend polling schedules.

- Start and End. The local time at this site to begin and end polling sessions. Make certain that the end time does not cross over to the next day.
 - Cycle. How often the poll is to occur in this time band:
 - <P>eriodic polls (beginning at the start time and repeating until the end time)
 - <S>ingle poll (at the start time)
 - <N>one (no activity in this time band)
 - Time Interval. The period of time, in *hh:mm* format, between polls on a periodic cycle.
3. To change information, press <U>update and enter the information from the keyboard, or press <F1>, when available, to use a help menu. When complete, press <ESC>.
 4. To return to the main menu, press <E>xit. Or press <D>etail to display a screen similar to the one below.

```
COMMANDS: Update Master Exit
           Update the displayed record
-----
           EDIT INTEGRATED POLLER CONFIGURATION
-----
           Site: Site 2 NYC
           Collection Device: CDRU           Site Enabled? Y
           Call Record Format:             Time Zone: 5
           Communication Type: 3           Daylight Savings? Y

           CDRU Telephone Number: T,,9999999999
           CDRU Admin Telephone Number:
           Priority: 1

           Polling Password: CMDR
           Polling Baud Rate: 1200
```

The following additional fields are displayed.

- Polling Port Password. The password to access the site's call collector for a polling session.
 - Polling Port Baud Rate. <1200> or <2400> for the CDRU polling port baud rate.
5. To change information, press <U>pdate and enter the information from the keyboard, or press <F1>, when available, to use a help menu. When complete, press <ESC>.
 6. To return to the main menu, press <E>xit. To configure integrated poller information for another site, press <M>aster twice to return to the first screen. Use <Q>uery, <N>ext, or <P>revious to select another site, press <D>etail, and repeat steps 3-6.

Verifying Call-Record Collection and Processing

The configuration of the Integrated Poller with its designated sites is now complete. To test that data has been entered correctly and that call-record collection will operate smoothly, force a poll of these sites.

1. From the main menu, select Status. If the display says Rating is running., proceed to step 2. If not, skip to step 3.
2. From the main menu, select Call Rating, then Rating and Discounting, and finally Stop Rating.

The message Call Rating running. is displayed. When the message Call Rating stopped. Press <RETURN> to continue. appears, follow the instructions to return to the main menu.

3. From the main menu, select Call Rating, then Integrated Poller, and finally Poll Site. A screen similar to the one below appears.

```
COMMANDS: Query Next Previous Start Exit
          Query database for record
-----
                          POLL A SITE
-----
                          Site: Site 2 NYC
```

4. Use <Q>uery, <N>ext, or <P>revious to select a site. Press <S>tart to begin polling, followed by <E>xit to leave the function. Press <ESC> to close Integrated Poller, and <S>ystem to display the SYSTEM menu.
5. Select Log Files. A screen similar to the one below appears.

```

COMMANDS: Update View Print Exit
          Update the displayed record
-----
          VIEW/PRINT LOGS
-----

          Log File: poll
    
```

6. Press <U>pdate, followed by <F1>, to display the help menu of all active log files. Select poll and press <ENTER>, then <ESC>. Press <V>iew to display a message, poll begin. . . (site #), referring to the forced poll.

⇒ **NOTE:**

The poll messages contain information about polling interface activity, such as beginning or ending processes.

7. Press <Q>uit and <ENTER> to return to View/Print Log Files. Display the help menu again and select poller. Press <ENTER>, then <ESC>. Press <V>iew to display messages related to the polling process and the status of the current polling activity. Press <Q>uit to complete the viewing, then <RETURN>, and finally <E>xit to return to the main menu.

⇒ **NOTE:**

The poller log file may contain messages relating to activities other than polling, in addition to messages detailing this poll attempt.

Messages that indicate an inability to successfully transmit call records generally imply a corrective action. For example, if a free modem is not immediately available, the process will try several times before quitting. Each attempt is documented in poller and in a message indicating when/if the process has quit. In this case simply try to poll the site at a later time. Other failures to transmit generally are due to erroneous data entered in Edit Integrated Poller Configuration. You may need to contact the site to check that the information is correct.

8. If your transmission has failed, make any necessary changes and repeat steps 3-7 until data is successfully transmitted.

You have verified that the selected site is successfully transferring raw call records to the Integrated Poller. Repeat steps 3-8 for each site configured with the Integrated Poller option, then continue with step 9.

9. After testing is complete, turn call rating on again. From the main menu, select *Call Rating*, then *Rating and Discounting*, and finally *Start Rating*. The message *Call Rating stopped.* is displayed. When the message *Call Rating running.* Press <RETURN> to continue. appears, follow the instructions to return to the main menu.

Use the procedure documented in *Cost Allocator Version 2 Administration, Operations, and Maintenance (555-006-506)*, chapter 6, *Reporting Procedures, Defining and Generating a Selection Report* to generate a report for each site polled with the Integrated Poller.

If the data in the report seems incorrect, you may have made an error when the site was installed. Go over the site information step-by-step following the procedure in *Cost Allocator Version 2 Administration, Operation and Maintenance (555-006-506)*, chapter 5, *Setup Procedures, Setting Up Site Parameters*, and make changes as necessary. Generate the selection report again and check its data.

Getting Help

If you cannot establish communication with your sites or you cannot get a satisfactory report from a site you polled, call the Technical Service Center (TSC) at 1-800-442-6622 or your authorized AT&T dealer. Before calling, make sure you note any error messages that appear. The TSC can perform remote diagnostics to help isolate the problem. If it is necessary to replace a defective device or load a software maintenance diskette to correct a problem, a technician will be dispatched or defective equipment can be exchanged through the mail.

This chapter describes how to use the Integrated Poller module to poll and administer a remote site's call-record collection device. The chapter is divided into the following sections.

- *Editing the Integrated Poller Configuration* — describes how to view or change a site's configuration with the Integrated Poller and/or its polling schedule.
- *Polling a Site* — describes how to retrieve call records from remote sites on demand.
- *Listing Polling Activity* — describes how to generate reports on current and previous polling activity.
- *Administering a CDRU* — describes how to establish contact with a CDRU to perform administrative tasks.

Editing the Integrated Poller Configuration

Use this function to view or update control information for data transmissions from a site, including specifying and scheduling polls of the CDRU.

⇒ **NOTE:**

See *Entering the Integrated Poller Configuration* in chapter 2 for a complete description of the procedure to update the poller's configuration.

Polling a Site

Use this function to force a poll of a specified site.

1. From the main menu, select `Call Rating`, then `Integrated Poller`, and finally `Poll Site`. A screen similar to the one below appears.

```
COMMANDS: Query Next Previous Start Exit
          Query database for record
-----
                    POLL A SITE
-----
                    Site: Site 2 nyc
```

2. Use `<Q>`uery, `<N>`ext, or `<P>`revious to select a site. When the desired site is displayed, press `<ESC>`.
3. Press `<S>`tart to begin the poll and `<E>`xit to return to the menu system.

Listing Polling Activity

Use this function is to generate reports showing the Integrated Poller's activity.

1. From the main menu, select `Call Rating`, then `Integrated Poller`, and finally `List Polling Activity`. A screen similar to the one that follows appears.

```

COMMANDS:  Update Generate Exit
           Update the displayed record
-----
                        LIST POLLING ACTIVITY
-----

Sites Avail: 10                      Report Period: D
Sites Chosen: 4                      Start Period: Dec 2, 1991
Output Method: F
Output Modifier:
Output File: polls.120191

                        Site Selections
Site Name  Include?  Site Name  Include?
Site A      I           Site A      I
Site B      I           Site B      I
Site C      I           Site C      I
Site D      I           Site D      I
    
```

The following fields are displayed.

- Sites Available (not editable). The number of sites in your CA V2 network.
- Sites Chosen (not editable). The number of sites included in this report.
- Output Method. Output to be sent to a <F>ile, default <P>rinter, or device <1>-<9>.
 - <F>ile writes the defined report to a file. You must also write to a file any report that you wish to view on a terminal screen to use the View/Print Reports on File.
 - Default <P>rinter directs the defined report to one of the default print spoolers. CA V2 automatically chooses the print spooler for 132-column compressed mode if required by the size of the report; otherwise it chooses the print spooler for standard 80-column mode.
 - Devices <1>-<9>, directs the defined report to one of the 9 devices configured in Device Configuration. The device can be defined in a number of ways—for example, a laser printer, tape, equip output, etc.
- Output Modifier. The name of a modifier, if any, to be invoked before output.

⇒ **NOTE:**

The modifier performs special functions, such as reformatting a report before it is sent to a file or other device.

- **Output File.** If <F>ile is specified as the output method, a filename must be entered in this field. If the filename is unique, CA V2 creates a file; if the filename already exists, screen prompts ask for another name. The filename entered is listed in a help menu in View/Print Reports on File.
- **Report Period.** The time period covered by this report: <A>ll, <Y>ear, <Q>uarter, <M>onth, iweek, <W>eek, <D>ay, or a number of days up to 99.
- **Period Start.** The start date for the reporting period in mm/dd/yy format (not used with <A>ll).
- **Site Selection.** <I>nclude or <E>xclude up to 10 sites. Use wildcard characters to specify site names:
 - ? stands for any single character in that position
 - % stands for any trailing characters

For example, S% selects all sites starting with an "S". To limit global selections, enter exception site names as <E>xcluded. For example, to select sites starting with "S" except for "SITE 4," enter:

```
Site Name: s%    <I>nclude/<E>xclude: I
Site Name: SITE 4    <I>nclude/<E>xclude: E
```

3. To make changes, press <U>pdate and enter information from the keyboard, or use <F1>, when available. When complete, press <ESC> and <G>enerate the report, or press <E>xit to return to the main menu.

Administering a CDRU

Use this function to access a call-record collector at a remote site and perform administrative functions.

1. From the main menu, select Call Rating, then Integrated Poller, and finally Administer CDRU. A screen similar to the one below appears.

```
COMMANDS: Query Next Previous Start Exit
          Query database for record
-----
                   CDRU ADMINISTRATION
-----
                   Site: Site 2 NYC
```

2. Use <Q>uery, <N>ext, or <P>revious to select a site. Press <ESC> when complete and <S>tart to make a connection with the selected site.

3. When the connection is established:
 - for a CDRU/S, type ~%b (tilde, percent, and the letter “b”) and press <ENTER>
 - for a 3B2 or 6386 CDRU, press <ENTER>
4. When the CDRU responds with the login prompt, enter the appropriate login. If a password prompt appears, enter the password.
5. Once the CDRU's system administration prompt appears, you use the UNIX utility `cu` commands to administer the CDRU (see your *UNIX System V/386 Release 3.2.3 Operations/System Administration* manual for complete information). When complete, disconnect from the site by typing ~. (tilde, period) and press <ENTER>.

Index

C

call collector
 configuration, 2-4
 remote administration, 3-4
 see also call-record collection, ports configuration
call-record collection, 1-3
 verification, 2-7
 see also call collector, ports configuration
CDRU, see call collector

H

help, 2-9

I

installation, 2-1
 login, 2-2
 procedure, 2-2
 verification, 2-2

M

modem, see call-record collection, network design

N

network design, 1-2

P

polling
 forced, 3-2
 listing activity, 3-2
 password setup, 2-7
 schedule setup, 2-6
 see also call collector configuration
ports configuration, 2-2

S

site
 installation, 2-4
 call-collector configuration, 2-4
 see also polling

T

technical support, 2-9

W

wildcards, 3-4

