ERICSSON

EDACS™ SYSTEM MANAGER
OPERATOR'S GUIDE
FOR
VERSION 3.0 (GROUP 11)

OPERATOR'S GUIDE

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INTRODUCTION

This manual has been designed as a reference guide for a general operator level user of the EDACS System Manager software. The manual contains a representation of each menu along with help information for each screen. In addition, information is provided on the keyboard functions and log in procedures. The menu structure for the general operator is shown in Figure 1.

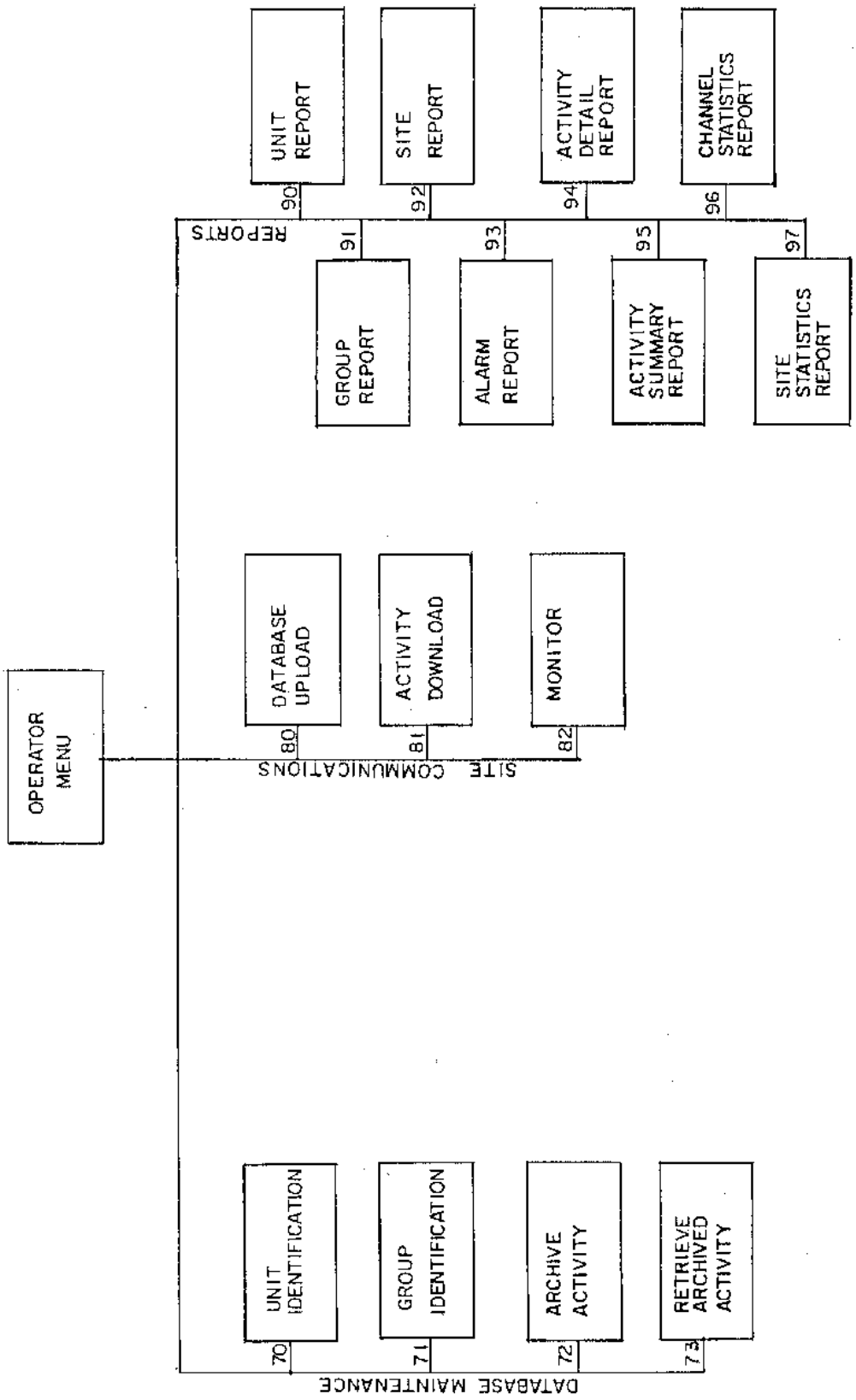


Figure 1 - System Manager Menu/Screen Structure

KEYBOARD FUNCTIONS

The System Manager uses a standard keyboard (Figure 2). Through the uses of the cursor (arrow) keys and the various function (F) keys, you will be able to enter or change information. A highlighted bar on each screen will show you which field is active and ready to receive information. A blinking cursor within the highlighted area shows you where the next character will be typed.

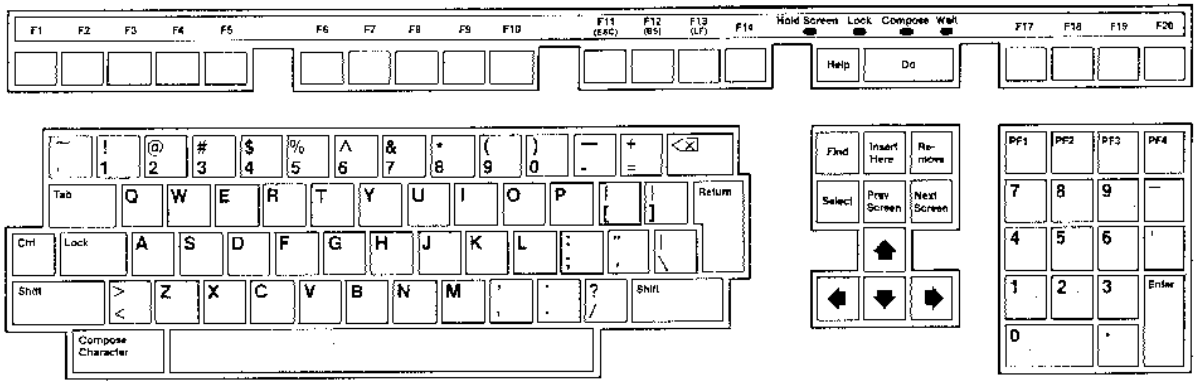
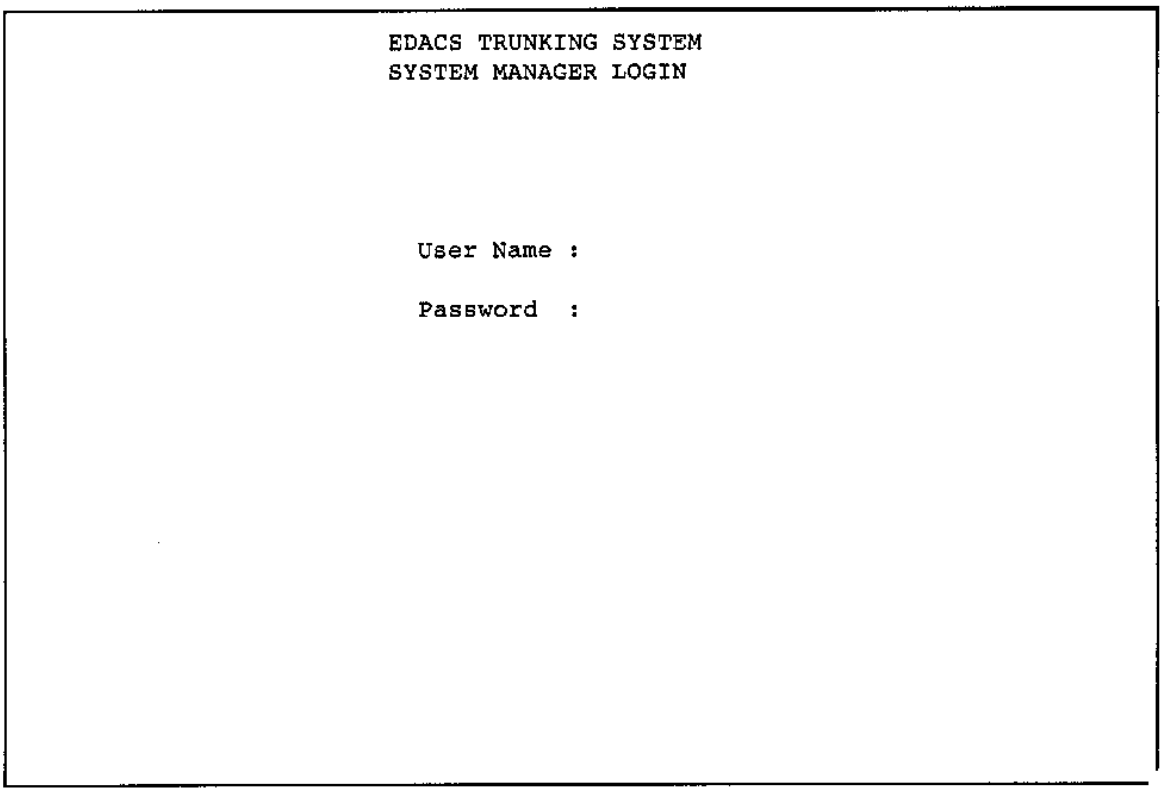


Figure 2 - Keyboard

Return	Enters information into a field and causes the cursor to move to the next field.
[up arrow]	Moves to the previous field.
[right arrow]	Moves the cursor right.
[left arrow]	Moves the cursor left.
[down arrow]	Moves to the next field
Help	Displays help information for the current screen. This key may be pressed at any time to obtain available help information on a system manager function.
Select	Selects window function on certain screens.
Prev Screen	Returns to the previous page of the displayed screen.
Next Screen	Advances to the next page of the displayed screen.
F6-F12	The function of these keys are defined on each screen (only active keys are displayed).
Ctrl V	Displays version number of System Manager software.
PF1	Returns the cursor to the first position of the first field (homes the cursor).
>	Moves highlighted bar to next field to the right.
<	Moves highlighted bar to next field to the left.
Ctrl W	Repaints the screen.
Do	Used with archival procedure.
Enter	Enters information on some window options.

GETTING STARTED

Once your terminal is turned on, the System Manager Login screen will be displayed with the cursor blinking at the User Name field.



Log on the System Manager as follows:

1. Type in your user name and press Return.

2. Type in your password and press Return. The Operator's Menu will now appear.

MAKING MENU SELECTIONS

The operator menu is divided into three categories. Each category lists numbered functions. Enter the function number and press Return to make a selection. Advance to the supervisor's menu (if you have supervisor privileges) by pressing the "Prev Screen" key.

ENDING A SESSION

After you have finished using the System Manager, you should exit to the System Manager Login screen. This will terminate the log in and prevent unauthorized use of the System Manager. Log off the System Manager as follows:

1. If the Operator's Menu is not displayed, exit to the Operator's Menu.

2. Press F6 (EXIT/LOGIN). If you are logging in from a remote terminal, you will be asked if you want to log into the System Manager again. If you enter Y, you will be returned to the System Manager login screen. If you enter N you will be logged out and disconnected from the System Manager.

NOTE

It is recommended that you log off the System Manager when you are away from the terminal and at the end of a session. This will prevent unauthorized use of the System Manager.

FIELD DEFINITIONS

Some System Manager screens require the entering of information in a field. There are four field types used on System Manager screens: Numeric Fields, Alphanumeric Fields, Date Fields, and Time Fields. The types and format of information allowed in each field type is shown below. Any limits or ranges that must be observed are noted later in the text.

Numeric Fields Accepts all whole number (0 thru 9) numeric entries. Fractions or negative numbers are not allowed.

Alphanumeric Fields Accepts all characters (symbols, numbers, and characters) available on the keyboard.

Date Fields Accepts dates in the format dd-mmm-yy, where:

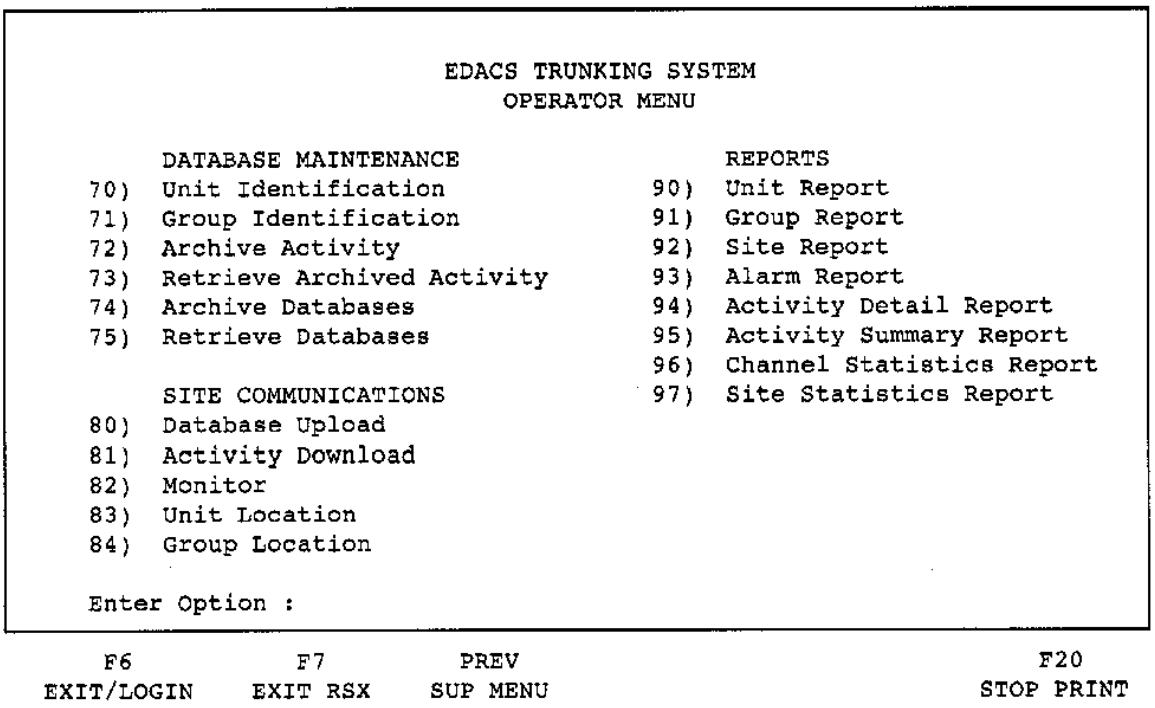
dd = numeric day of the month
mmm = first three letters of the month.
yy = last two digits of the year.

Time Fields Accepts time in the format HH:MM:SS.ss, where

HH = hours in 24-hour format
MM = minutes
SS = seconds
ss = hundredths of seconds

OPERATOR MAIN MENU

The operator's menu is divided into three different categories. Each of the categories has several functions listed below the heading. These functions allow the operator to modify certain system databases, monitor site activity, and obtain various reports.



Each of the menu selections and following screens are discussed in this manual. After each screen there is a discussion of what type of information must be entered in each field. All information in Required fields must be entered in order for the System Manager to accept information on the screen.

It is recommended that you read through this manual to get familiar with System Manager operation, before making entries on the screens. Remember you must use the Database Upload function in some cases before changes to the database will be sent to the site.

OPERATOR'S MENU FUNCTION KEYS

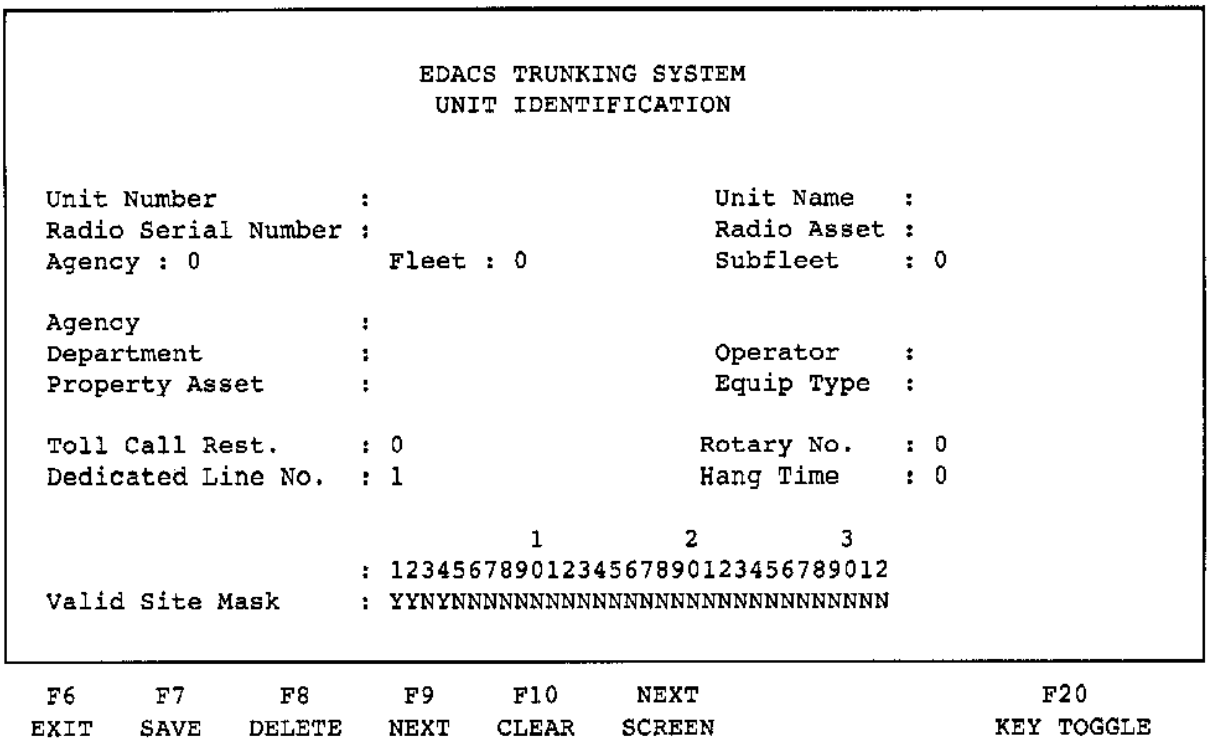
The following function keys are active at the operator's menu:

F6 EXIT/LOGIN	Use this key to log off the system manager. If you are logged on from a remote terminal, after F6 is pressed you will be asked if you wish to log on the system manager again. If you enter "Y" you will be returned to the system manager login screen. If you enter "N" you will be logged out and disconnected from the System Manager.
PREV SUP MENU	Press the "Prev Screen" key to advance to the supervisor's manual (must have supervisor's privileges). Selections on this menu are explained in the Supervisor's Guide.
F20 STOP PRINT	Stops current print job on the system printer.

DATABASE MAINTENANCE

70) Unit Identification

The Unit Identification screens allow you to access unit records for each radio unit in the system. Each unit record contains information that identifies the unit's ownership, sets telephone interconnect limits, and defines which site systems the unit may use. The Additional Parameters screen allows you to set priorities for different types of radio communication possible from the unit. Multi-Site parameters are also set from the Additional Parameters screen.



NOTE

If changes were made to the screen, you will be asked if you want to upload these changes when F6 is pressed. If you enter Y, a partial upload is performed. Upload ALL must be used to set deleted units to default values.

Setting Default Values

Default values for the Unit Identifications screens can be defined by creating a Unit Record using Unit Number 16383. The values entered on this Unit Record will appear as default values for any Unit Records created later.

Locating A Record

1. Select the key field by pressing F20 (if necessary) until the arrow points to the desired field.

2. Enter the requested information in the key field.

3. Press Return to display the record. If the record cannot be found, the closest record in logical order will be displayed. You may page through the records using the F9 (NEXT) key.

Creating A New Record

1. Enter a unique Unit Number (unit number field must be selected) and press Return. The word CREATE will appear in the upper right corner of the screen.

2. Make the required entries on the screen.

3. Press F7 to save the changes made to the screen.

4. Press F6 and use the Database Upload function to transfer changes to the Site Controller.

Changing A Record

1. Locate the record. The word MODIFY will appear in the upper right corner of the screen.

2. Make the desired changes to the screen.

3. Press F7 to save the changes made to the screen.

4. Press F6 and use the Database Upload function to transfer changes to the Site Controller.

Deleting A Record

1. Locate the record. The word MODIFY will appear in the upper right corner of the screen.

2. Press F8 to delete the information from the screen.

3. Press F6 and use the Database Upload function (must be upload ALL) to transfer changes to the Site Controller.

Required Fields

Unit Number A unique number (0 to 16383) that is associated with each radio unit in the system. Unit number 16383 accesses a record that defines the default values for the Unit Identification screens.

Unit Name A unique alphanumeric representation (1 to 8 characters) which identifies the unit.

Radio Serial Number A unique serial number (16 character alphanumeric field) of the radio unit.

Radio Asset	A unique 16 character alphanumeric asset identification.
Toll Call Rest.	A value from 0 to 15 that determines which telephone prefixes a radio unit may call using telephone interconnect.
Rotary No.	A number from 0 to 15 that specifies which rotary hunt sequence will be used by the telephone equipment when placing an outbound telephone call.*
Dedicated Line No.	A number from 0 to 255 that identifies a dedicated line for outgoing telephone interconnect calls.*
Hang Time	The channel hang time between an unkey command and channel drop. Hang time may be set from 0-255 seconds.
Valid Site Mask	Specifies which sites the unit is active on. Enter Y below the site numbers where the unit is active. Enter N (default) below site numbers where the unit will not operate. During full trunking operation, a unit that is not active on a site will be able to receive calls but not make calls.

* A unit with a zero (0) in both of these fields will not be able to access the telephone system.

Optional Fields

Department	Department name (16 character alphanumeric field) associated with the radio unit.
Property Asset	A 16-character alphanumeric field for recording the property asset.
Operator	A 16-character alphanumeric field for identifying the operator of the radio unit.
Equip Type	A 16-character alphanumeric field for recording the radio unit equipment type.

Function Keys

F6 EXIT	Exits to the operator menu.
F7 SAVE	Saves the displayed record by creating a new record or updating the existing record.
F8 DELETE	Deletes the displayed record.
F9 NEXT	Searches for the next record in the file based on the last key of reference.

Function Keys (cont)

F10 CLEAR — Clears all field entries on the screen and returns to default values.

NEXT SCREEN — Accesses a secondary screen for setting transmission priorities and multisite parameters. These priority levels will be used by the system to determine the order calls will be placed if it is necessary to queue calls.

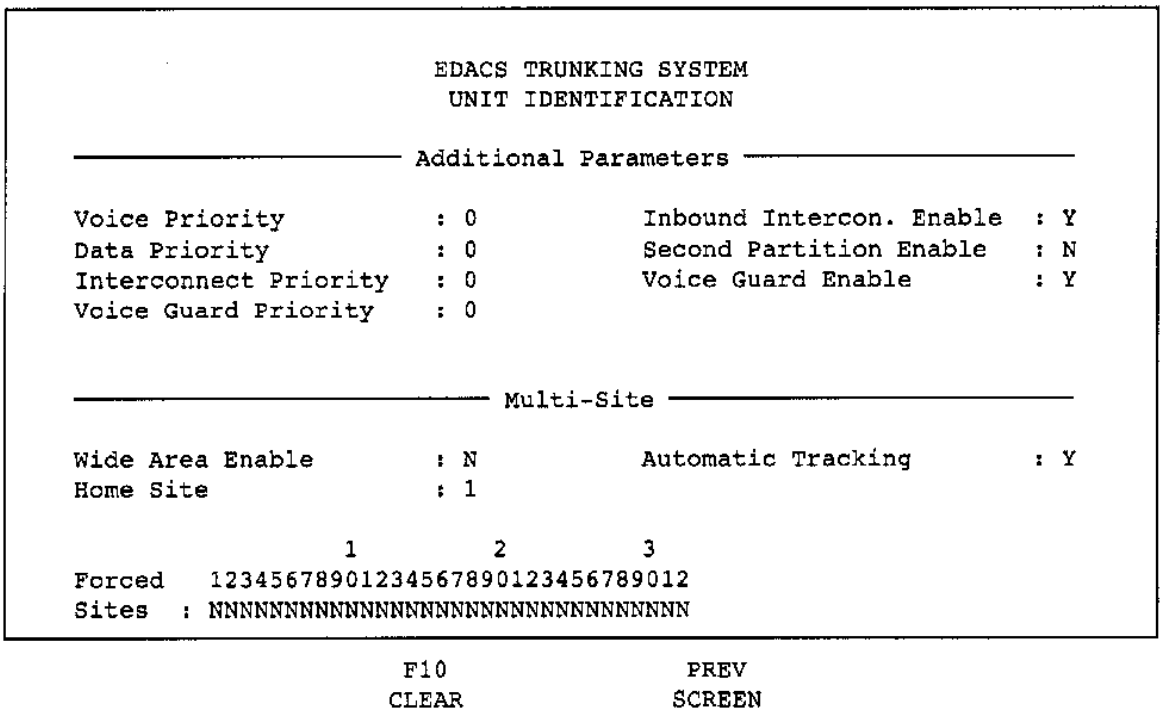
F20 KEY TOGGLE — Sets key field to unit number, unit name, serial number, radio asset number, or home group. Allows the user to sequentially page through the unit database based on the selected key field.

Entering The Additional Parameters Screen

1. Press "Next Screen" to display the Unit Identification Additional Parameters screen.

2. Make any changes and press "Prev Screen" to return to the Unit Identification screen.

All of the additional parameter values are associated with the unit accessed through the UNIT IDENTIFICATION screen.



Field Definitions

Voice Priority	A priority number from 0 to 7 (defaults to 0) assigned to normal voice calls. This priority is used by the system to determine the order calls are de-queued during clear voice call queueing.
Data Priority	A priority number from 0 to 7 (defaults to 0) assigned to calls placed from mobile data terminals. This priority is used by the system to determine the order calls are de-queued during data call queueing.
Interconnect Priority	A priority number from 0 to 7 (defaults to 0) assigned to telephone interconnect calls. This priority is used by the system to determine the order calls are de-queued during interconnect call queueing.
Voice Guard Priority	A number from 0 to 7 (defaults to 0) assigned to Voice Guard calls. This priority is used by the system to determine the order calls are de-queued during Voice Guard call queueing.
Inbound Intercon. Enable	If Y is entered in this field, the unit can be accessed through an inbound interconnect call.
Second Partition Enable	Enables the radio unit for operation on designated test channels. Enter Y if you want the radio unit to operate on designated test channels. Enter N (default) for operation on normal trunked channels. Additional information can be found in the Supervisor's Guide under SITE DEFINITIONS and SITE RECONFIGURATION.
Voice Guard Enable	This field enables Voice Guard (encrypted) communication for Voice Guard equipped radio units. Enter Y in this field to enable Voice Guard operation. Enter N to disable Voice Guard operation or if the radio unit is not Voice Guard equipped.
Automatic Tracking	Used in multisite operation to enable tracking of a group. The multisite coordinator will only bring up channels on sites that have group members operating on them.
Wide Area Enable	Used in multisite operation to designate a group or unit as "multisited." If a unit/group is not designated "multisited," then no other sites (beside the caller's site) will be brought into the call. Also, a group/unit must be wide area enabled for the unit to be tracked.
Home Site	Specifies the home site number of the radio unit.
Forced Site Mask	When the unit is called, all sites marked Y will bring up a channel for the call.

Function Keys

PREV SCREEN Press "Prev Screen" to return to the Unit Identification screen.

F10 CLEAR Clears all field entries on the screen.

71) Group Identification

The Group Identification screens allow you to access group records in the system. Each group record contains information that identifies the agency, fleet, and subfleet. The Additional Parameters screen allows you to set priorities for different types of radio communication possible from the group. Group hang time may also be set. Multi-Site parameters are also accessed from the Additional Parameters screen.

```
                          EDACS TRUNKING SYSTEM
                          GROUP IDENTIFICATION


Agency No.   : 0          Fleet No.   : 0          Subfleet No.   : 0
Agency Name  :            Fleet Name  :            Subfleet Name  :
Group No.    :
Record Type  : AGENCY


Agency       :
Division     :
Address      :
             :
             :

                                1         2         3
                       123456789012345678901234567890 12
Valid Site Mask      : YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
```

F6 EXIT | F7 SAVE | F8 DELETE | F9 NEXT | F10 CLEAR | NEXT SCREEN | F20 KEY TOGGLE

NOTE

If changes were made to the screen, you will be asked if you want to upload these changes when F6 is pressed. If you enter Y, a partial upload is performed. Upload ALL must be used to set deleted units to default values.

Locating A Record

1. Select the key field by pressing the F20 key until the arrow points to the desired field.

2. Enter the requested information in the key field.

3. Press Return to display the record. If the record cannot be found, the closest record in logical order will be displayed. You may page through the records using the F9 (NEXT) key.

Creating A New Record

1. Enter unique Agency, Fleet, and Subfleet numbers and press Return. The word CREATE will appear in the upper right corner of the screen.

2. Make the required entries on the screen.

3. Press F7 to save the changes made to the screen.

4. Press F6 and use the Database Upload function to transfer changes to the Site Controller.

Changing A Record

1. Locate the record. The word MODIFY will appear in the upper right corner of the screen.

2. Make the desired changes to the screen.

3. Press F7 to save the changes made to the screen.

4. Press F6 and use the Database Upload function to transfer changes to the Site Controller.

Deleting A Record

1. Locate the record. The word MODIFY will appear in the upper right corner of the screen.

2. Press F8 to delete the information from the screen.

3. Press F7 and use the Database Upload function to transfer changes to the Site Controller.

Required Fields

NOTE

The maximum number range is given below, actual range depends on the Agency Partition Table (see Supervisor's Guide).

Agency No. The number of the agency (0-31) to which the radio unit has been assigned.

Fleet No. The number (0 to 511) of the fleet to which the radio unit has been assigned.

Subfleet No.	The number (0 to 1023) of the subfleet to which the radio unit has been assigned.
Group No.	A number (0 to 2047) that is associated with group to which the radio is assigned.
Agency Name *Fleet Name* *Subfleet Name*	This is a field that displays the agency name, fleet name or subfleet name. The Agency Name field is read-only if the group is fleet or subfleet. The Fleet Name is read only if the group is subfleet.
Record Type	Defaults to radio type (A, F, or S) for agency, fleet, or subfleet record.
Valid Site Mask	Specifies which sites the group is active on. Enter Y below the site numbers where the group is active. Enter N (default) below site numbers where the group will not operate.

Optional Fields

Division	Division name (16 character alphanumeric field) associated with the radio group.
Agency	A 16-character alphanumeric field for entering the agency name.
Address	Three 16-character alphanumeric fields for entering an address.

Function Keys

F6 EXIT	Exits to the Operator Menu
F7 SAVE	Saves the displayed record by creating a new record or updating the existing record.
F8 DELETE	Deletes the displayed record.
F9 NEXT	Searches for the next record in the file based on the last key of reference.
F10 CLEAR	Clears all field entries on the screen.
NEXT SCREEN	Accesses a secondary screen for setting transmission priorities and multisite parameters. These priority levels will be used by the system to determine the order calls will be placed if it is necessary to queue calls.
F20 KEY TOGGLE	Sets key field to agency number, agency name, group number, or record type. Allows the user to sequentially page through the group database based on the selected key field.

Additional Parameters

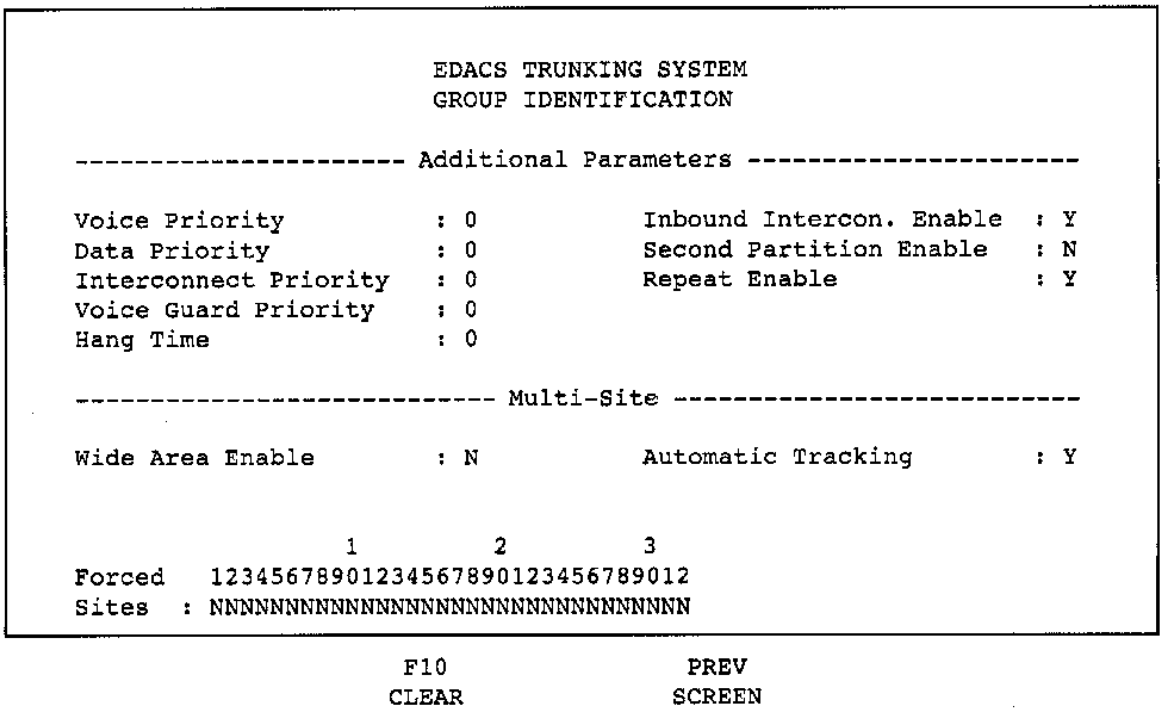
The additional parameters option on the Group Identification screen allows you to access a secondary screen for setting transmission priorities and hang time. These priority levels will be used by the system to determine the order calls will be placed if it is necessary to queue calls.

Entering The Additional Parameters Screen

1. Press "Next Screen" to display the Group Identification Additional Parameters screen.

2. Make any changes and press "Prev Screen" to return to the Group Identification screen.

All of the additional parameter values are associated with the group accessed through the GROUPIDENTIFICATION screen.



Field Definitions

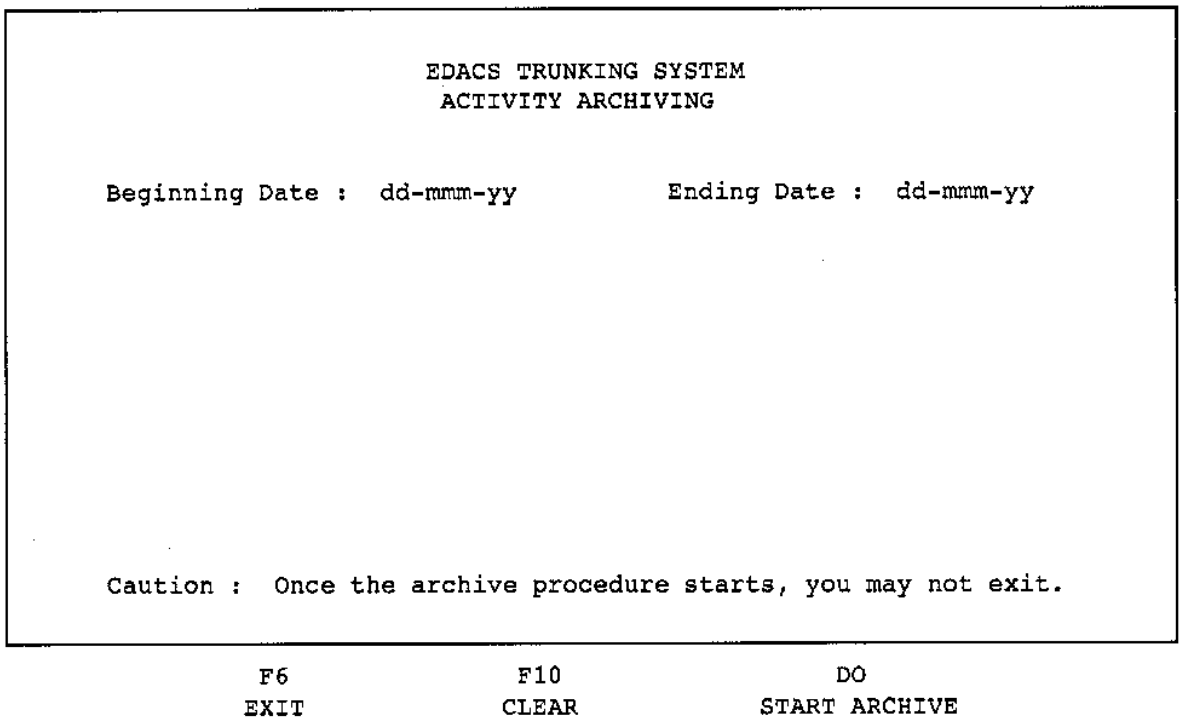
Voice Priority A priority number from 0 to 7 (defaults to 0) assigned to normal voice calls. This priority is used by the system to determine the order calls are de-queued during clear voice call queueing.

Interconnect Priority A priority number from 0 to 7 (defaults to 0) assigned to telephone interconnect calls. This priority is used by the system to determine the order calls are de-queued during interconnect call queueing.

Data Priority	A priority number from 0 to 7 (defaults to 0) assigned to calls placed from mobile data terminals. This priority is used by the system to determine the order calls are de-queued during data call queueing.
Voice Guard Priority	A number from 0 to 7 (defaults to 0) assigned to Voice Guard calls. This priority is used by the system to determine the order calls are de-queued during Voice Guard call queueing.
Hang Time	The group hang time between an unkey command and channel drop. Hang time may be set from 0-255 seconds.
Inbound Intercon. Enable	If Y is entered in this field, the group can be accessed through an inbound interconnect call.
Secondary Partition Enable	Partitions the channels into two segments for testing purposes.
Repeat Enable	Enables repeat operation for the Group. Enter Y to enable repeater operation or N to disable repeater operation.
Automatic Tracking	Used in multisite operation to enable tracking of a group. The multisite coordinator will only bring up channels on sites that have group members operating on them.
Wide Area	Used in multisite operation to designate a group or unit as "multisited." If a unit/group is not designated "multisited," then no other sites (beside the caller's site) will be brought into the call. Also, a group/unit must be wide area enabled for the unit to be tracked.
Forced Site	When the group is called, all sites marked Y will bring up a channel for the call.

72) Archive Activity

The activity archival procedure allows you to save the preprocessed activity file sent from the Site Controller. Archival of the file prevents the System Manager from automatically deleting the activity records when its preset threshold is exceeded. The Activity Archiving screen shown below will appear after 72) Archive Activity is selected from the Operator Menu.



Archival Procedure

The archival procedure is different for tape and diskette storage systems. Use the appropriate procedure for the storage media used with your System Manager. Activity is archived for all sites.

TAPE STORAGE:

1. Enter the starting date for activity records to be saved in the Beginning Date field. The default value is the earliest (oldest) activity file on the System Manager.

2. Enter the ending date for activity records to be saved in the Ending Date field. The default value is the most recent activity file on the System Manager.

3. Press the Do key to start the archival procedure. The following screen will appear.

```
                    EDACS TRUNKING SYSTEM
                     ACTIVITY ARCHIVING


Beginning Date :  dd-mmm-yy          Ending Date :  dd-mmm-yy

 The activity for the above date range will be archived to tape.
 For each tape used in this archive, make a label as follows:

                Backup Set  : dd-mmm-yy - dd-mmm-yy
                Archived on : dd-mmm-yy
                Tape        : x / y

 Where x is the number of the tape in the drive.
        (for the first tape, x equals 1)
 Where y is the total number of tapes needed for this archive set.
        (if 3 tapes are needed, y equals 3)

 Append archive to existing tape (Y/N)?

 When you have mounted the first tape, press the ENTER key.
```

4. Label the archive tape cassette(s) as instructed on the screen. Then mount the tape or insert the tape in the tape drive (refer to the computer manufacturer's documentation).

5. Answer Y or N to the question Append archive to existing tape (Y/N)? Entering Y causes the new archived activity to be placed after any data already existing on the tape. (If a blank tape is used, an error message will be generated.) Entering N causes the new archived activity to be placed at the beginning of the tape (overwriting any existing data).

6. Press the Return key to continue. You will see a message saying the activity is being prepared for archival. Watch the screen for any error messages or instructions. Any FATAL error messages will stop the archive procedure. The cause of the error must be corrected before the procedure can continue. A successful copy will look like this:

BRU - Starting Tape 1 on MU0:

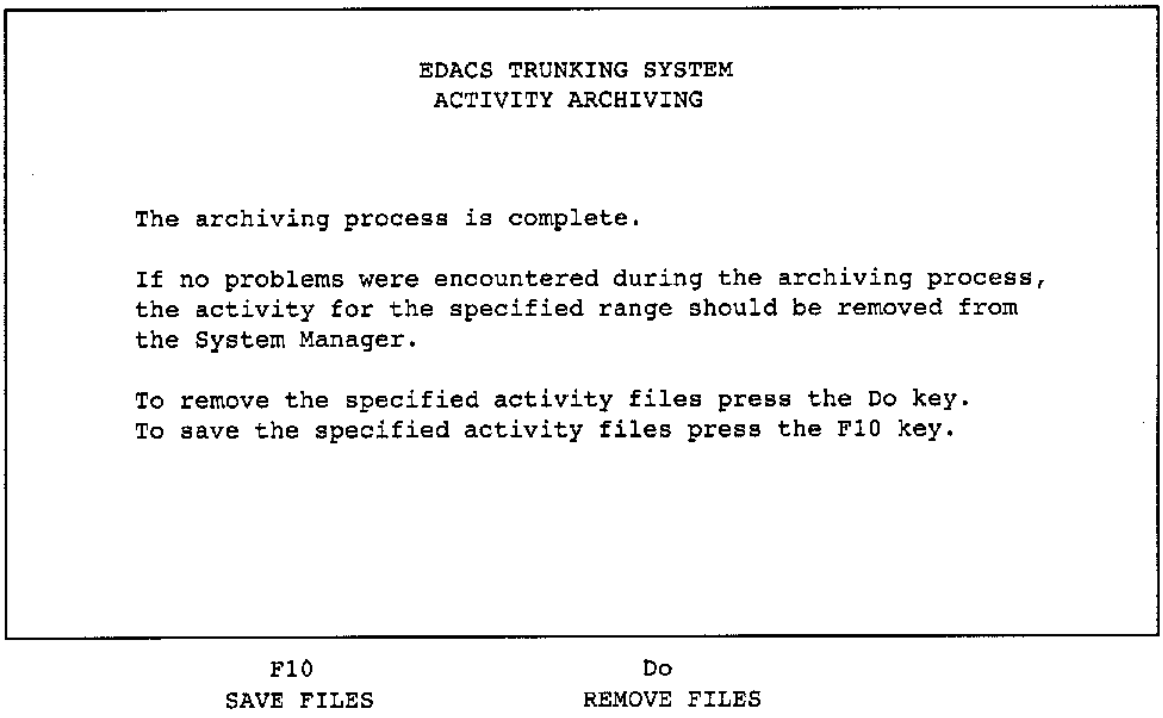
BRU - End of Tape 1 on MU0:

BRU - Completed

DMO -- TT10: dismounted from MU0: *** Final dismount initiated ***

Press Return to continue.

7. Once the file(s) have been archived to tape, the following screen will appear.



If the activity archive was successful, press the DO key to delete the activity file(s) from the System Manager (archived activity is retained on tape). If the archive was not successful, press F10 to retain the activity files on the System Manager.

Field Definitions

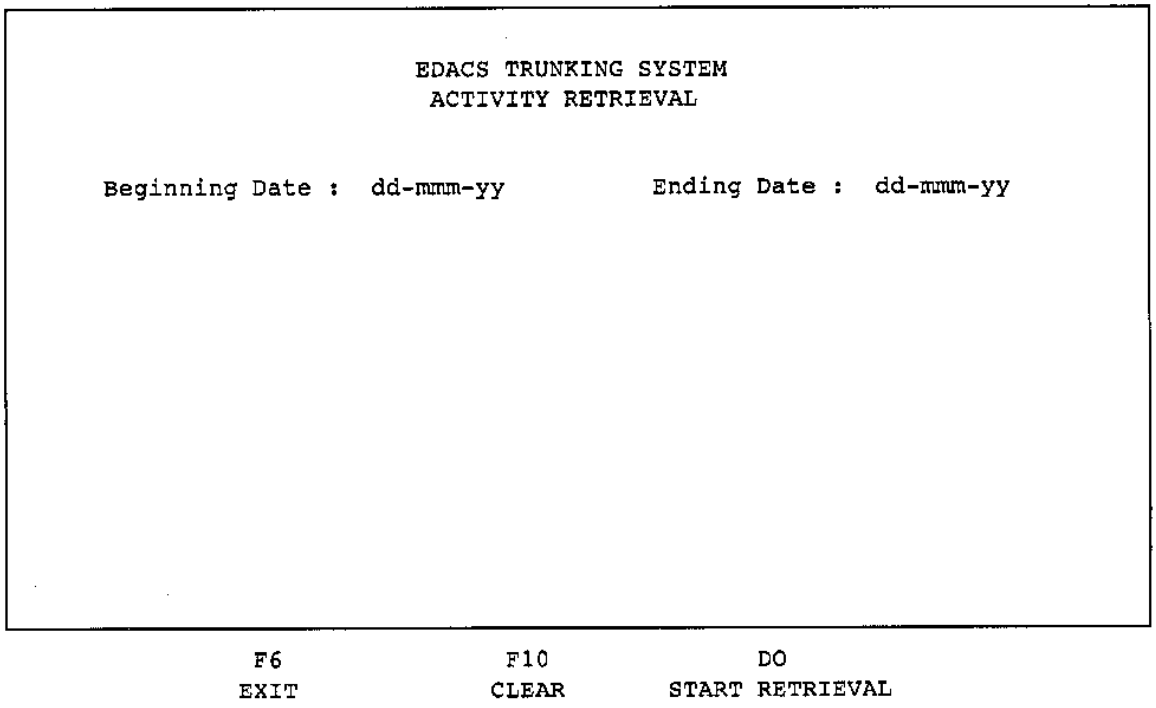
Beginning Date	A date field which specifies the earliest activity records to be saved. The default value is the earliest (oldest) activity file on the System Manager.
Ending Date	A date field which specifies the latest activity records to be saved. The default value is the most recent activity file on the System Manager.

Function Keys

F6 EXIT	Returns to the Operator Menu.
F10 CLEAR	Clears all fields and returns them to their default values.
Do	Submits the archival request.

73) Retrieve Archived Activity

Archived activity files may be recalled using the Retrieve Archived Activity function. The Activity Retrieval screen shown below will appear after 73) Retrieve Archived Activity is selected from the Operator Menu.



NOTE

If there are no archived files on the system, the "There Is No Archived Activity On This System" message will be displayed near the bottom of the screen.

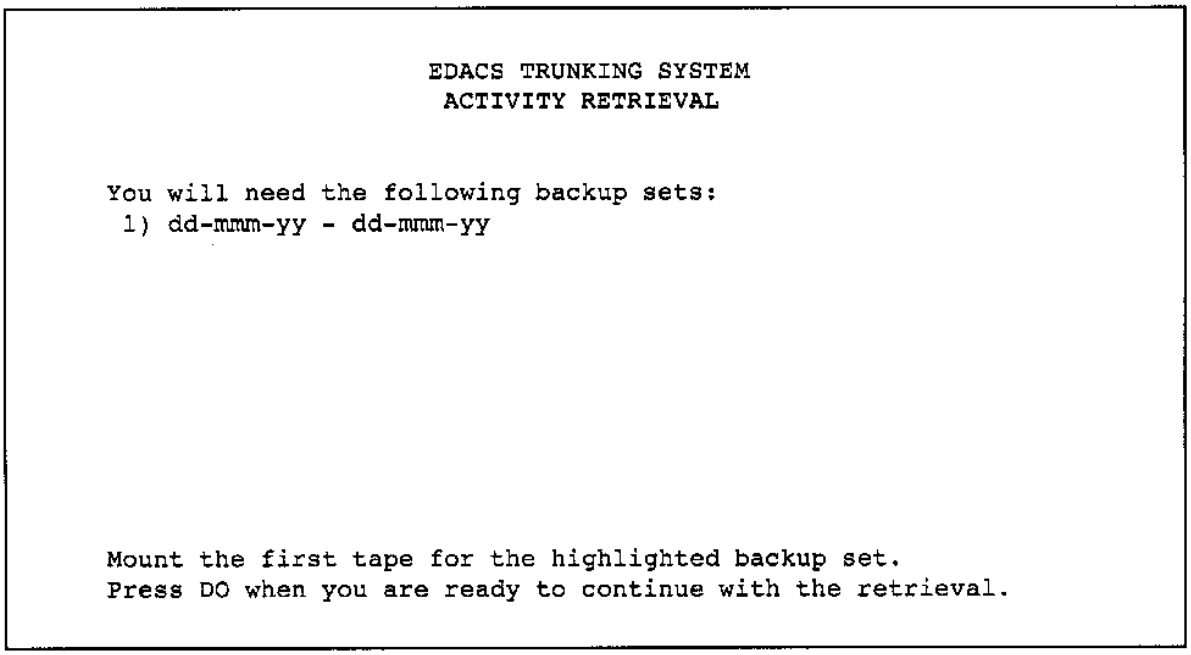
Retrieving Archived Files

TAPE STORAGE:

1. Enter the starting date for activity records to be retrieved in the Beginning Date field. The default value is the earliest (oldest) archived activity file.

2. Enter the ending date for activity records to be retrieved in the Ending Date field. The default value is the most recent archived activity file.

3. Press the Do key to start the retrieval procedure. The following screen will appear.



4. The archive cassette(s) required to retrieve the archived activity files will be listed on the screen. Mount the first cassette (refer to the computer manufacturer's documentation).

5. Press the Do key to continue. You will see messages indicating the progress of the retrieval process. Watch the screen for any error messages or instructions. Any FATAL error messages will stop the archive procedure. The cause of the error must be corrected before the procedure can continue. Typical messages are listed below:

BRU - Starting Tape 1 on MU0:

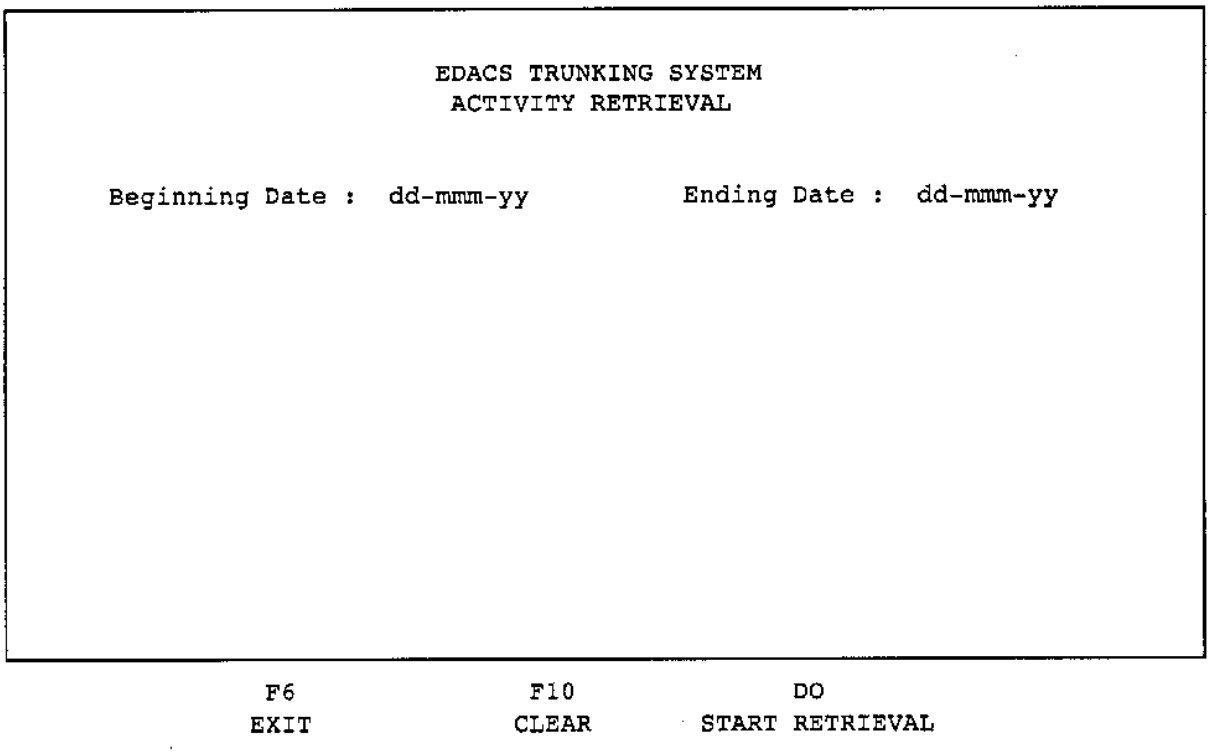
BRU - End of Tape 1 on MU0:

BRU - Completed

DMO -- TT10: dismounted from MU0: *** Final dismount initiated ***

Press Return to continue.

6. Once the file(s) have been retrieved, the following screen will appear.



7. Press F6 to return to the operator menu.

Field Definitions

Beginning Date A date field which specifies the earliest activity records to be retrieved. The default value is the earliest (oldest) archived activity file.

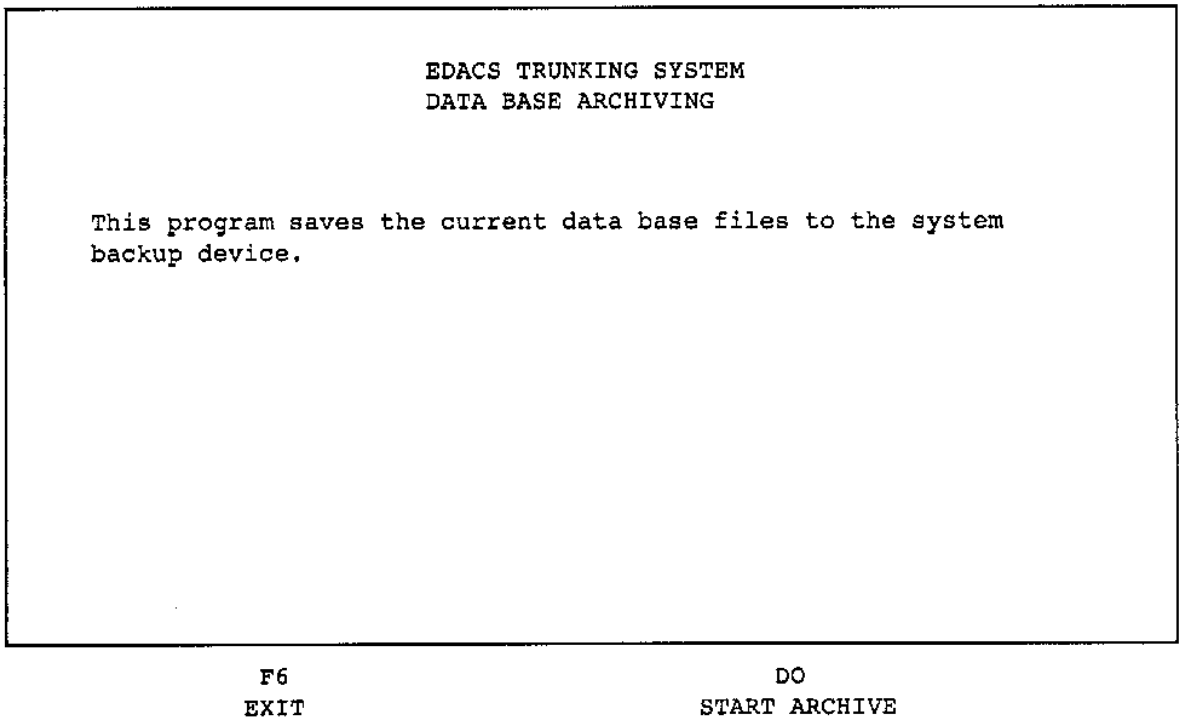
Ending Date A date field which specifies the latest activity records to be retrieved. The default value is the most recent archived activity file.

Function Keys

F6 EXIT	Returns to the Operator Menu.
F10 CLEAR	Clears all fields and returns them to their default values.
DO START RETRIEVAL	Press the "Do" key to submit the retrieval request.

74) Archive Databases

The database archival procedure allows you to save the System Manager databases to tape or diskette. The database archiving screen shown below will appear after 74) Archive Databases is selected from the Operator Menu.



Archival Procedure

The archival procedure is different for tape and diskette storage systems. Use the appropriate procedure for the storage media used with your System Manager. Activity is archived for all sites.

TAPE STORAGE

1. Press the Do key to start the archive procedure. The following screen will appear.

```
                    EDACS TRUNKING SYSTEM
                    DATA BASE ARCHIVING


The current system manager data base will be archived to tape.

For each tape used in this archive, make a label as follows:

                Data Base Backup Set
                Archived on : dd-mmm-yy
                Tape        : x / y

Where x is the number of the tape in the drive.
        (for the first tape, x equals 1)
Where y is the total number of tapes needed for this archive set.
        (if 3 tapes are needed, y equals 3)


Append archive to existing tape (Y/N)?


When you have mounted the first tape, press the ENTER key.
```

2. Label the archive tape cassette(s) as instructed on the screen. Then mount the tape or insert the tape in the tape drive (refer to the computer manufacturer's documentation).

3. Answer Y or N to the question "Append archive to existing tape (Y/N)?". Entering Y causes the new archived data base to be placed after any data already existing on the tape. (If a blank tape is used an error message will be generated.) Entering N causes the new archived activity to be placed at the beginning of the tape (overwriting any existing data).

4. Press the Return key to continue. You will see a message saying the activity is being prepared for archival. Watch the screen for any error messages or instructions. Any FATAL error messages will stop the archive procedure. The cause of the error must be corrected before the procedure can continue. A successful copy will look like this:

BRU - Starting Tape 1 on MU0:

BRU - End of Tape 1 on MU0:

BRU - Completed

DMO -- TT10: dismounted from MU0: *** Final dismount initiated ***

Press Return to continue.

Field Definitions

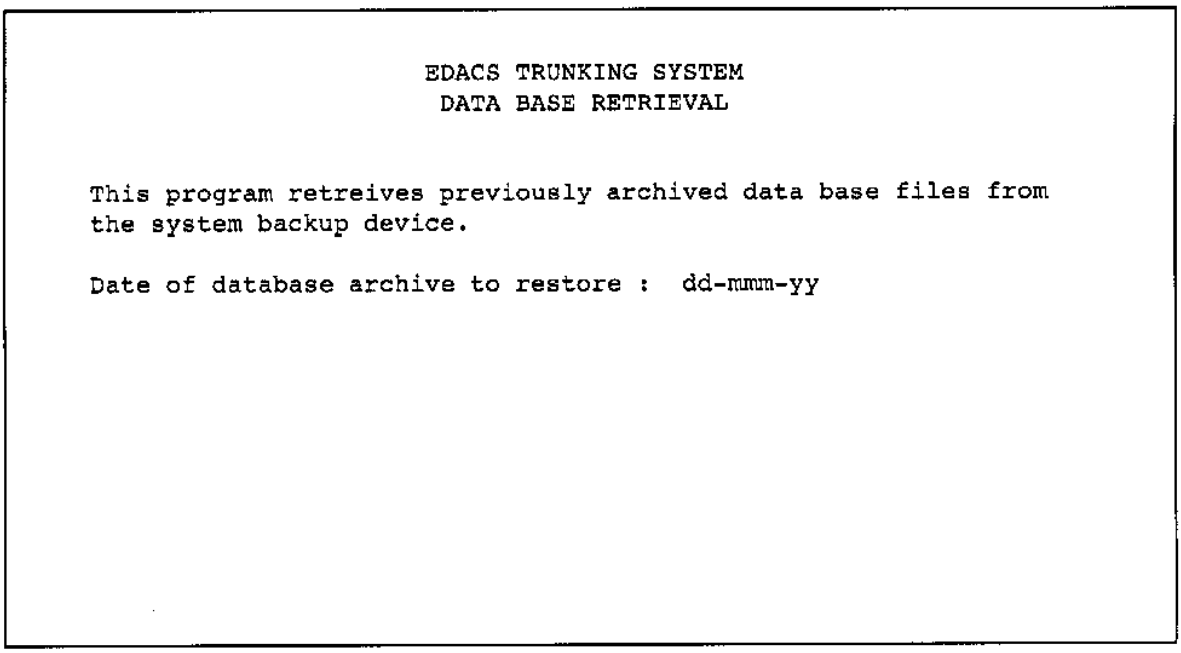
Append archive to existing tape (Y/N)?	When Y is entered, the archived data base will be appended to the existing archive tape in the drive. When N is entered, the archived data base will start at the beginning of the tape, overwriting any existing data.

Function Keys

F6 EXIT	Returns to the Operator Menu.
Do	Starts the archive procedure.

75) Retrieve Databases

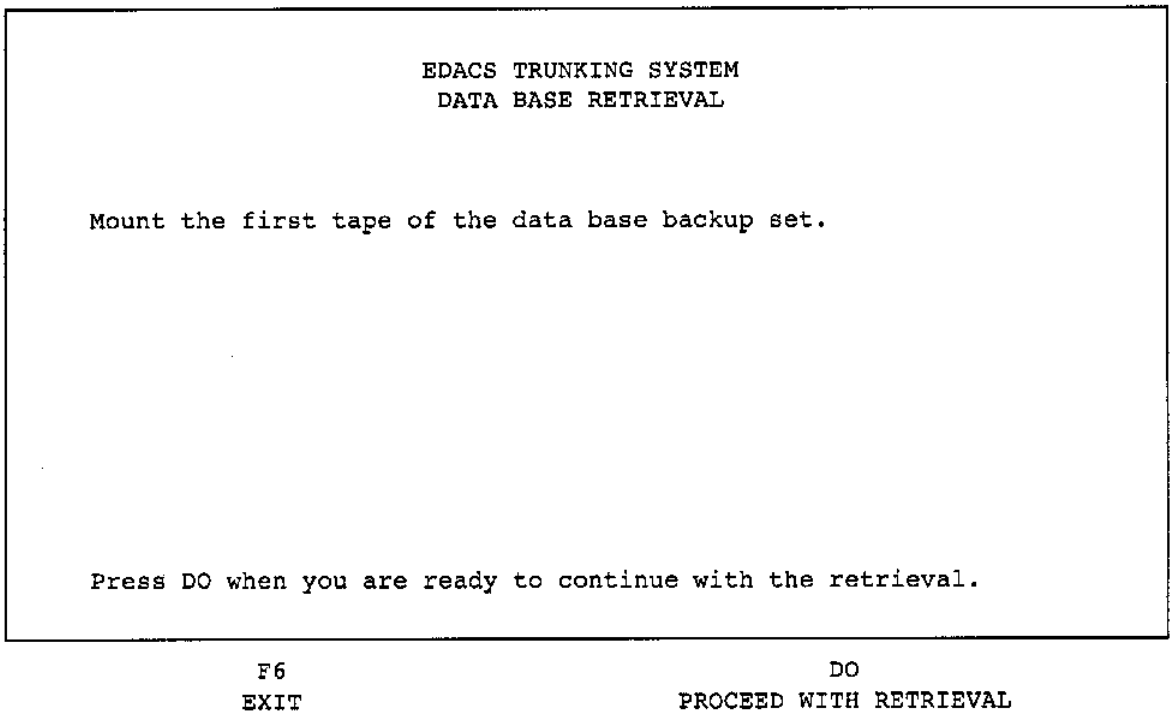
An archived System Manager database may be recalled using the Retrieve Databases function. The Data Base Retrieval screen shown below will appear after 75) Retrieve Databases is selected from the Operator Menu.



Retrieving Archived Files

TAPE STORAGE:

1. Enter the date of the database archive to be restored and press the F6 key.



2. Mount the first tape of the data base backup set.

3. Press the Do key to start the retrieval process. (Press F6 if you wish to exit screen without starting the retrieval process.) You will see messages indicating the progress of the retrieval process. Watch the screen for any error messages or instructions. Any FATAL error messages will stop the retrieval procedure. The cause of the error must be corrected before the procedure can continue. Typical messages are listed below:

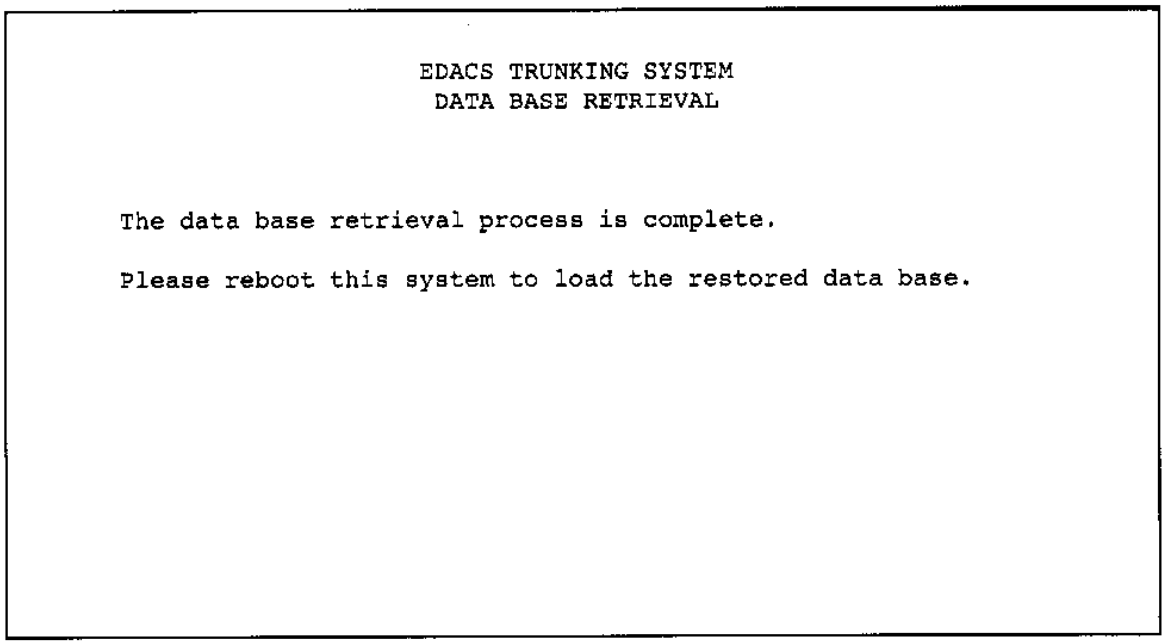
BRU - Starting Tape 1 on MU0:

BRU - End of Tape 1 on MU0:

BRU - Completed

DMO -- TT10: dismounted from MU0: *** Final dismount initiated ***

4. When the retrieval process is completed, the following screen will appear. Press F6 to exit the screen and Re-boot the System Manager to load the restored database.



Field Definitions

Date of database archive to restore	A date field which specifies which archived database is to berestored.

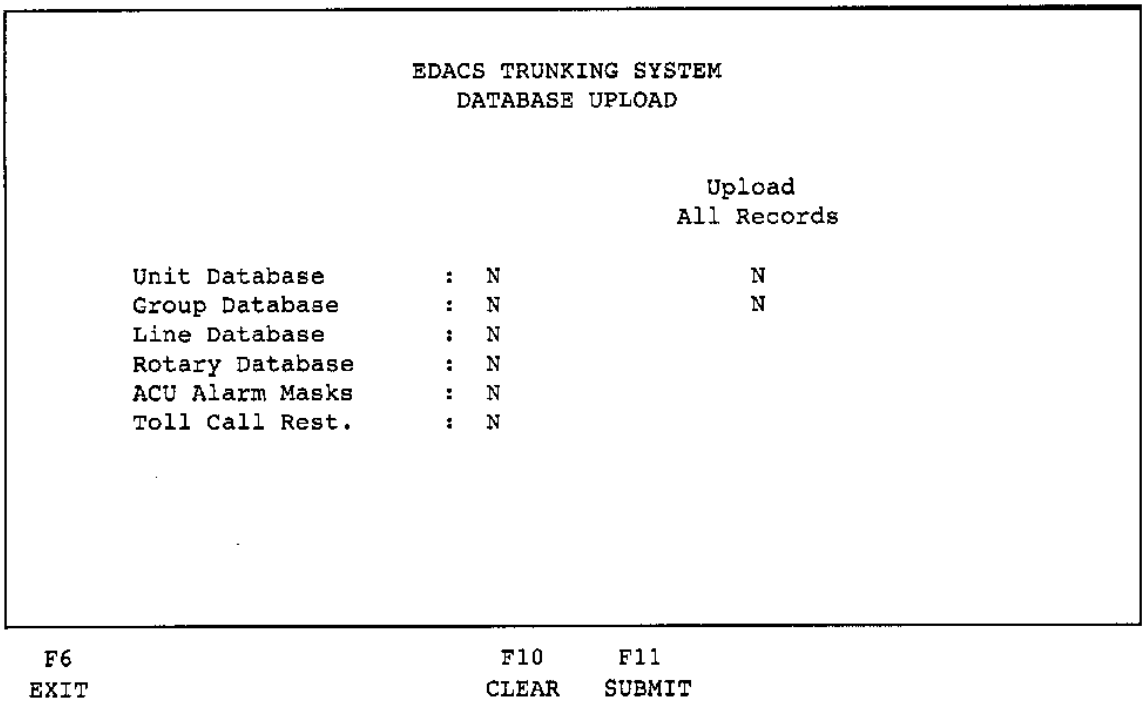
Function Keys

F6 EXIT	Exits to the previous screen or Operator Menu.
F10 CLEAR	Clears the date field.
Do	Starts or continues the retrieval procedure.

SITE COMMUNICATIONS

80) Database Upload

After new records are added or existing records are altered, the Database Upload function sends the Unit, Group, Line, Rotary, ACU, and Toll Call databases from the System Manager to the designated Site Controller. For the Unit and Group Databases, you have the option of uploading all records or only changed records.



Uploading A Database

1. Enter a Y in the Unit Database field beside the name of the database (unit database, group database, etc.) you wish to upload.

2. Enter a Y in the Unit Database row in the Upload All Records column if you want all Unit Database records sent to all sites. Enter N in this field if you only want changed or new Unit Database records sent to all sites.

3. Enter a Y in the Group Database row in the Upload All Records column if you want all Group Database records sent to all sites. Enter N in this field if you only want changed or new Group Database records sent to all sites.

4. Press F11 to submit the records to the Site Controller.

Field Definitions

Unit Database	Enter Y in this field if you want Unit Database records sent to the site when the upload is performed. Enter N in this field if you do not want the records included in the upload.
Group Database	Enter Y in this field if you want Group Database records sent to the site when the upload is performed. Enter N in this field if you do not want the records included in the upload.
Line Database	Enter Y in this field if you want Line Database records sent to the site when the upload is performed. Enter N in this field if you do not want the records included in the upload.
Rotary Database	Enter Y in this field if you want Rotary Database records sent to the site when the upload is performed. Enter N in this field if you do not want the records included in the upload.
ACU Alarm Masks	Enter Y in this field if you want ACU Alarm Mask records sent to the site when the upload is performed. Enter N in this field if you do not want the records included in the upload.
Toll Call Rest.	Enter Y in this field if you want Toll Call Restriction records sent to the site when the upload is performed. Enter N in this field if you do not want the records included in the upload.
Upload All Records	This field specifies which records from the indicated databases will be sent to the Site Controller. Enter N in this field if you only want changed or new database records sent to the specified site. Enter a Y if you want all database records sent to the specified site.

Function Keys

F6 EXIT	Exits to the Operator's Menu.
F10 CLEAR	Returns all fields to N (NO).
F11 SUBMIT	Submits the upload request.

81) Activity Transfer

The Activity Transfer function is used to transfer (download) activity files from the Site Controller to the System Manager. These report files are used with the System Manager report functions.

There is not a separate activity transfer screen. When you select 81) Activity Download from the operator menu, the "Enter Site" prompt will appear by the cursor. Enter the number of the site from which you want to receive activity information. When the transfer is completed, the "Enter Option" prompt will reappear.

The operator menu with the "Enter Site" prompt displayed is shown below.

```
                         EDACS TRUNKING SYSTEM
                             OPERATOR MENU


        DATABASE MAINTENANCE                          REPORTS
   70)  Unit Identification                90)  Unit Report
   71)  Group Identification               91)  Group Report
   72)  Archive Activity                   92)  Site Report
   73)  Retrieve Archived Activity         93)  Alarm Report
                                           94)  Activity Detail Report
                                           95)  Activity Summary Report
        SITE COMMUNICATIONS                96)  Channel Statistics Report
   80)  Database Upload                    97)  Site Statistics Report
   81)  Activity Download
   82)  Monitor



   Enter Site   :

     F6                    PREV                                F20
  EXIT/LOGIN             SUP MENU                           STOP PRINT
```

Downloading Activity Files

1. Select 81) Activity Download from the operator menu. The "Enter Site" prompt will be displayed.

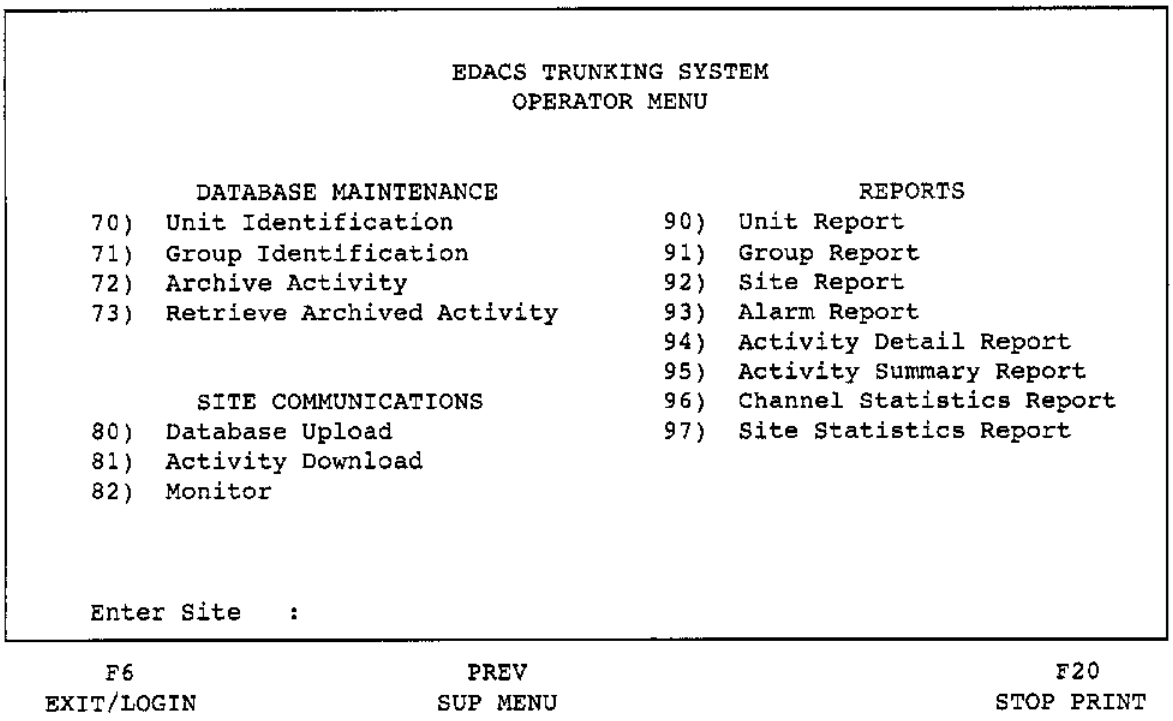
2. Enter the site number. When the activity transfer is complete, the "Enter Option" prompt will reappear.

82) Monitor

The Monitor Activity function displays the status and activity of all channels at a site. This monitor display is continuously updated by the Site Controller.

When you select 82) Monitor from the operator menu, the "Enter Site" prompt will appear by the cursor. Enter the number of the site you wish to monitor. The monitor display will appear until you exit to the operator menu.

The operator menu with the "Enter Site" prompt displayed is shown below.



Monitoring A Site

1. Select 82) Monitor from the operator menu. The "Enter Site" prompt will be displayed.

2. Enter the site number. The site monitor display will appear. Use the "Next Screen" and "Prev Screen" keys to page through the monitor display.

3. Press F6 to return to the operator menu.

Function Key Definitions

F6 EXIT	Returns to the Operator's Menu.
PREV SCREEN	Pressing "Prev Screen" displays the previous monitor display screen.
NEXT SCREEN	Pressing "Next Screen" displays the next monitor display screen.

Sample Monitor Display

You will note that the monitor display shows channel numbers from 1 through 26, with unlisted channels from 27 to 31. Definitions for each channel are given below:

Channels 1 through 20	RF control and working channels
Channels 21 through 25	Available for future system expansion.
Channel 26	Downlink channel
Channel 27	Reserved
Channel 28	Convert to callee
Channel 29	Call queued
Channel 30	System busy
Channel 31	Call denied

Channels 28 through 31 are used by the system to convey information to the radio units. For example, when the system directs a radio unit to channel 30, the radio unit knows the system is busy. The actual RF channel is not changed in these instances.

EDACS Trunking System Site Monitor Site # dd-mmm-yy HH:MM:SS

CH	STAT	TIME	CALLER	CALLEE	CHANNEL ACTIVITY	CH
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
16						16
17						17

F6 EXIT PREV SCREEN NEXT SCREEN

EDACS Trunking System Site Monitor Site # dd-mmm-yy HH:MM:SS

CH	STAT	TIME	CALLER	CALLEE	CHANNEL ACTIVITY	CH
18						18
19						19
20						20
21						21
22						22
23						23
24						24
25						25
26						26

F6 EXIT PREV SCREEN NEXT SCREEN

Display Field Definitions

CH The channel number column.

STAT This column shows the last reported status of the channel.

TIME The time the call occurred.

CALLER The originating station column.

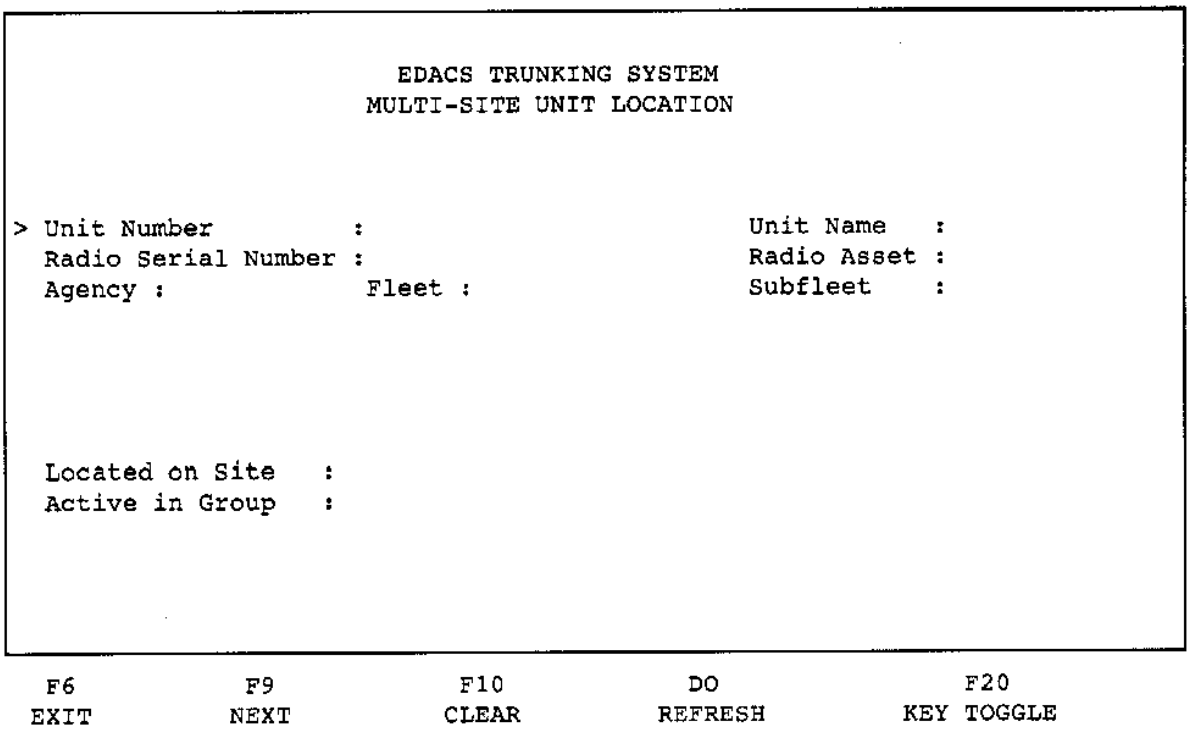
CALLEE The destination station column.

CHANNEL ACTIVITY A brief description of channel activity.

BUSY - The channel is being used for a call.
FAIL - A channel failure has been detected.
OFF - The channel is not being used in the system.
TIME - The time the channel activity was last updated.
CALLER - The radio unit last originating a call on the channel.
CALLEE - Destination address of the last call placed on the channel.
CHANNEL ACTIVITY - Description of the last activity reported on the channel. See Appendix A for an explanation of the activity messages.

83) Unit Location

The Multi-Site Unit Location screen displays the site and group location of a radio unit. This screen is only used with multi-site systems. The Multi-Site Unit Location screen shown below will appear when 83 is selected from the Operator Menu.



Once the key data (such as Unit Number or Unit Name) is entered, the System Manager will display the site and group location of the radio unit.

Displaying Unit Location

1. Enter the Unit Number (or Unit Name, Radio Serial Number, Radio Asset, or Agency) in the corresponding field and press Return. The radio unit location will be displayed in the "Located on Site" and "Active in Group" field.

2. Press F9 to display the next record based on the key field. (Change key field by pressing F20).

3. Press F6 to return to the Operator Menu.

Field Definitions

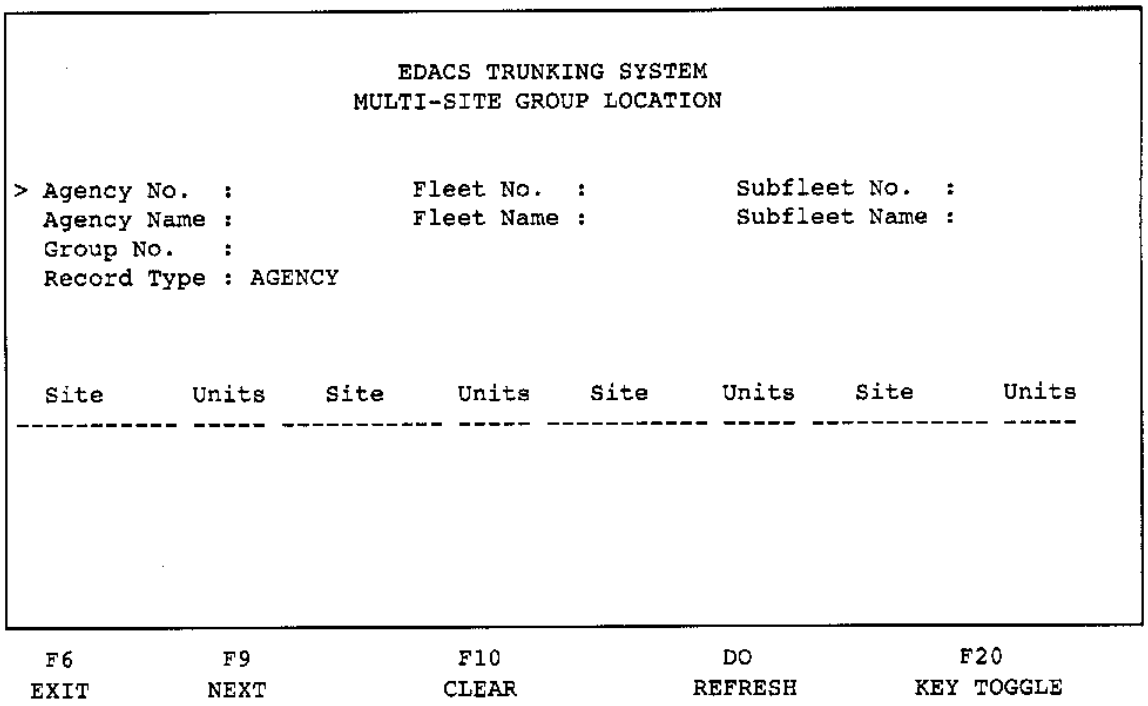
Unit Number	A unique number (0 to 16383) that is associated with each radio unit in the system.
Radio Serial Number	A unique serial number (16-character alphanumeric field) of the radio unit.
Agency	The number of the agency (0-31) to which the radio unit has been assigned.
Fleet	The number (0 to 511) of the fleet to which the radio unit has been assigned.
Unit Name	A unique alphanumeric representation (1 to 8 characters) which identifies the unit.
Radio Asset	A unique 16-character alphanumeric asset identification.
Subfleet	The number (0 to 1023) of the subfleet to which the radio unit has been assigned.
Located on Site	The current site location of the radio unit in a multi-site system.
Active in Group	The radio unit is currently active in this group.

Function Keys

F6 EXIT	Exits to the Operator Menu.
F9 NEXT	Searches for the next record in the file based on the selected key of reference.
F10 CLEAR	Clears all field entries on the screen and returns to default values.
Do REFRESH	Updates location information and refreshes the screen.
F20 KEY TOGGLE	Sets key field to Unit Number, Unit Name, Radio Serial Number, Radio Asset or Agency. Allows the user to sequentially page through the database based on the selected key field. The selected key field is indicated by an arrow to the left of the field name.

84) Group Location

The Multi-Site Group Location screen displays the number of radio units currently active on all sites of a particular group. This screen is only used with multi-site systems. The Multi-Site Group Location screen shown below will appear when 84 is selected from the Operator Menu.



Once the key data (such as Agency Number or Agency Name) is entered, the System Manager will display the site and units brought into the last group call.

Displaying Group Location

1. Enter the Agency Number (or Agency Name, Group Number or Record Type) in the corresponding field and press Return. The list of sites and radio units will be displayed in the "Site" and "Units" list.

2. Press F9 to display the next record based on the key field. (Change key field by pressing F20).

3. Press F6 to return to the Operator Menu.

Field Definitions

Agency No.	The number of the agency (0-31) to which the radio unit has been assigned.
Agency Name	An alphanumeric field which displays the agency name.
Group No.	A number (0 to 2047) that is associated with the group to which the radio is assigned.
Record Type	Agency, Fleet, or Subfleet (A, F, S) record.
Fleet No.	The number (0 to 511) of the fleet to which the radio unit has been assigned.
Fleet Name	An alphanumeric field which displays the name of the fleet.
Subfleet No.	The number (0 to 1023) of the subfleet which the radio unit has been assigned.
Subfleet Name	An alphanumeric field which displays the subfleet name.
Site / Units	Displays the number of units at each site that belong to the group. The accuracy of this information depends on the last time the members of the group keyed.

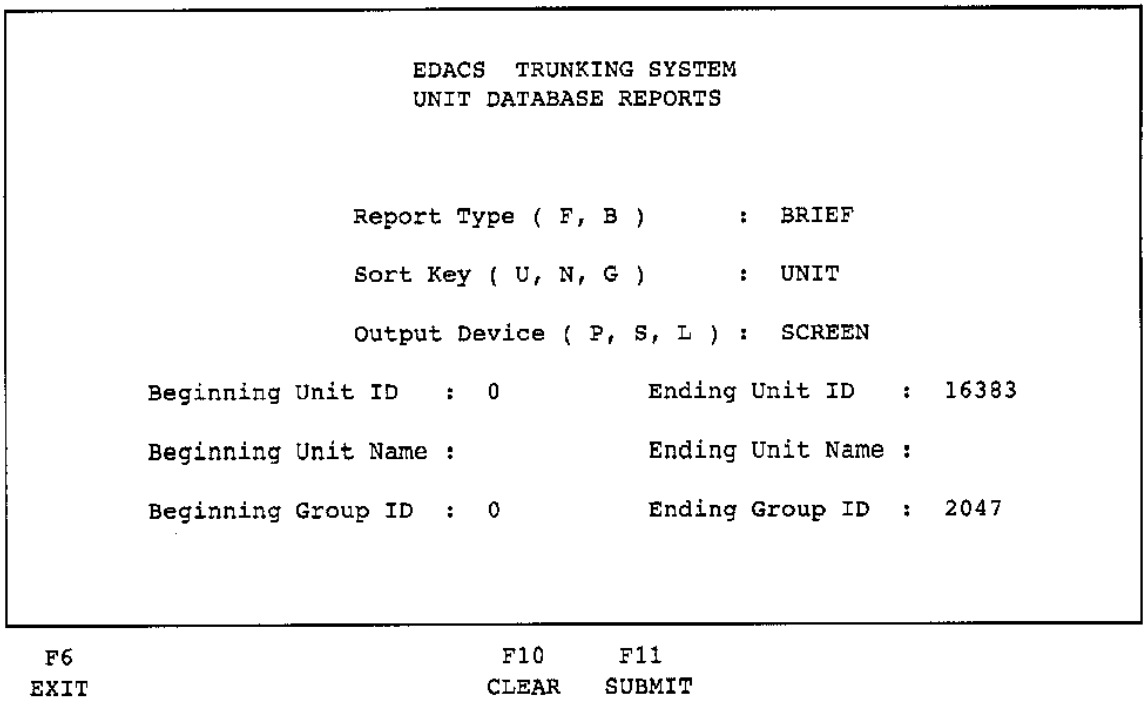
Function Keys

F6 EXIT	Exits to the Operator Menu.
F9 NEXT	Searches for the next record in the file based on the selected key of reference.
F10 CLEAR	Clears all field entries on the screen and returns to default values.
Do REFRESH	Updates location information and refreshes the screen.
F20 KEY TOGGLE	Sets key field to Agency Number, Agency Name, Group Number or Record Type. Allows the user to sequentially page through the database based on the selected key field. The selected key field is indicated by an arrow to the left of the field name.

REPORTS

90) Unit Report

The Unit Report displays information about the radio units identified in the System Manager database. The Unit Report screen is shown below.



Ordering a Unit Database Report

1. Enter the desired parameters for the unit database report.

2. Press F11 to submit the report. The report will be sent to the selected output device.

Field Definitions

Report Type (F, B) Specifies full (F) or brief (B) report forms.

Sort Key (U, N, G) Sets the key (primary) field for the report record sorting. Select U (Unit) to report in unit number order, N (Name) to report in unit name order, or G (Group) to report in group name order. The default for this field is U.

Output Device (S/P/L) — Specifies output device for the report. Enter P to send the report to the System Manager printer (system printer). Enter S (default) to send the report to the screen. Enter L to send the report to a local printer (printer connected to the terminal).

Beginning Unit ID — Specifies the beginning Unit ID number (0-16383) for the unit range included in the report. The default for this field is 0. This field is required when the Sort Key is U.

Ending Unit ID — Specifies the ending Unit ID number (0-16383) for the unit range included in the report. The default for this field is 16383. This field is required when the Sort Key is U.

Beginning Unit Name — Specifies the beginning unit name (eight character, alphanumeric field) for the unit range included in the report. This field is required when the Sort Key is N.

Ending Unit Name — Specifies the ending Unit Name (eight character, alphanumeric field) for the unit range included in the report. This field is required when the Sort Key is N.

Beginning Group ID — Specifies the beginning group ID (0-2047) for the group range included in the report. This field is required when the Sort Key is G. The default for this field is zero.

Ending Group ID — Specifies the ending group ID (0-2047) for the group range included in the report. This field is required when the Sort Key is G. The default for this field is zero.

Function Keys

F6 EXIT — Returns to the operator Menu.

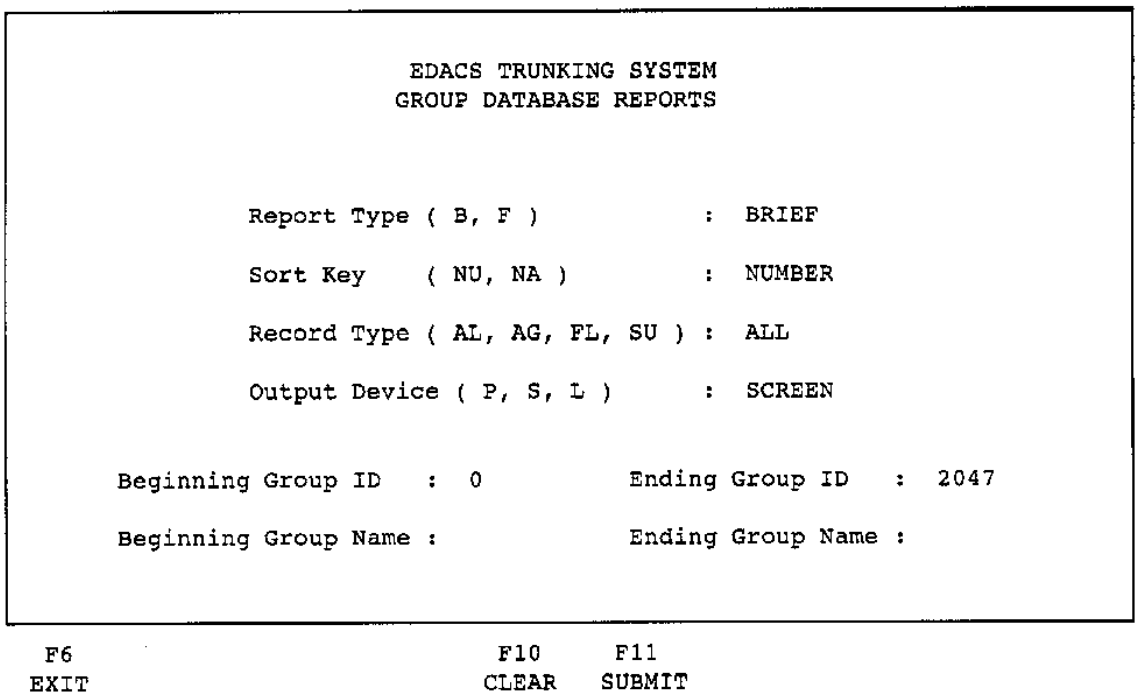
F10 CLEAR — Clears all fields and returns them to their default values.

F11 SUBMIT — Submits the report request and outputs the report to the selected output device.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

91) Group Report

The Group Database Reports screen is shown below:



Ordering a Group Report

1. Enter the desired parameters for the group database report.

2. Press F11 to submit the report. The report will be sent to the selected output device.

Field Definitions

Report Type (B, F)	Specifies a full (F) or brief (B) report forms.
Sort Key (NU, NA)	Sets the key (primary) field. Select NU (Number) to report in group number order, or NA (Name) to report in group name order. The default for this field is NU.
Record Type (AL, AG, FL, SU)	Specifies the types of groups to be included in the report: AL (all groups), AG (Agencies), FL (Fleets), SU (Subfleets). The default for this field is AL (all groups).

Output Device (S/P/L)	Specifies output device for the report. Enter P to send the report to the System Manager printer (system printer). Enter S (default) to send the report to the screen. Enter L to send the report to a local printer (printer connected to the terminal).
Beginning Group ID	Specifies the beginning group number (0-2046) for the group range included in the report. The default for this field is 0. This field is required when the Sort Key is NU.
Ending Group ID	Specifies the ending group number (0-2047) for the group range included in the report. The default for this field is 2047. This field is required when the Sort Key is NU.
Beginning Group Name	Specifies the beginning group name (alphanumeric field) for the group range included in the report. This field is required when the Sort Key is NA.
Ending Group Name	Specifies the ending group name (alphanumeric field) for the group range included in the report. This field is required when the Sort Key is NA.

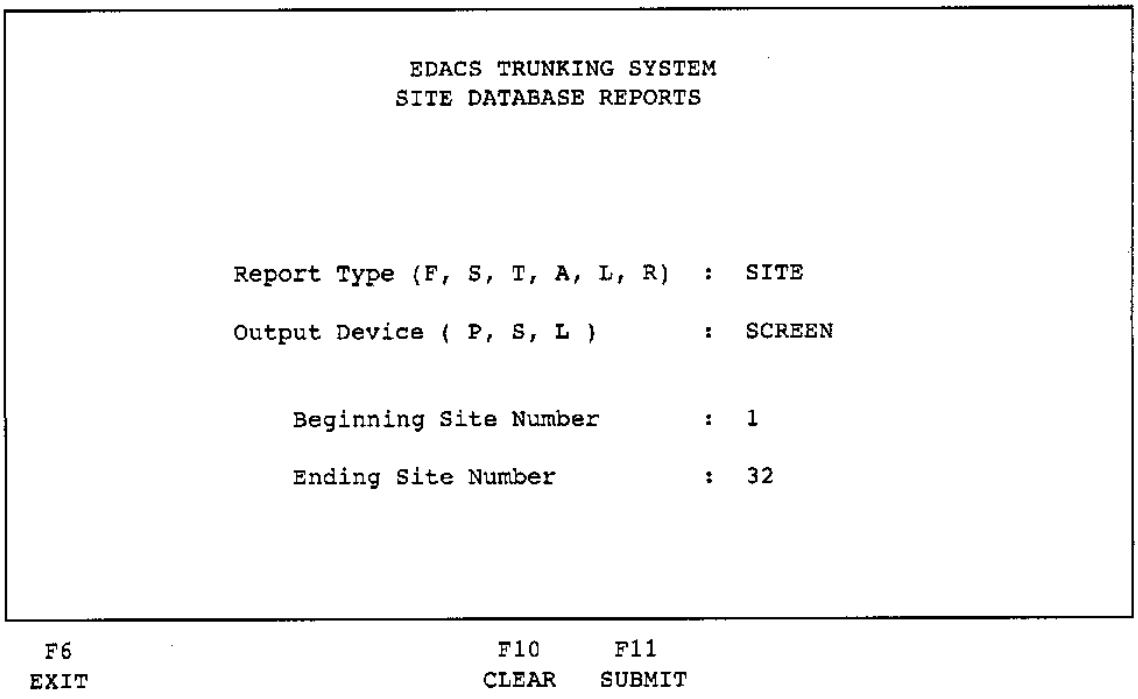
Function Keys

F6 EXIT	Returns to the operator menu.
F10 CLEAR	Clears all fields and returns them to their default values.
F11 SUBMIT	Submits the report request and outputs the report to the printer or screen as selected.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

92) Site Report

The Site Database Reports screen is shown below:



Ordering a Site Database Report

1. Enter the desired parameters for the site database report.

2. Press F11 to submit the report. The report will be sent to the selected output device.

Field Definitions

Report Type (F, S, T, A, L, R)	Specifies a full (F), brief (B), toll (T), alarm (A), line (L), or rotary (R) report forms. This field defaults to B.
Output Device (S/P/L)	Specifies output device for the report. Enter P to send the report to the System Manager printer (system printer). Enter S (default) to send the report to the screen. Enter L to send the report to a local printer (printer connected to the terminal).
Beginning Site Number	Specifies the beginning site number (1-32) for the site range included in the report. This field defaults to 1.
Ending Site Number	Specifies the ending Site Number (1-32) for the site range included in the report. This field defaults to 32.

Function Keys

F6 EXIT	Returns to the operator menu.
F10 CLEAR	Clears all fields and returns them to their default values.
F11 SUBMIT	Submits the report request and sends the report to the selected output device.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

93) Alarm Report

The Alarm Detail Report is accessed by selecting 93) Alarm Report from the OPERATOR MAIN MENU. This report provides a listing of alarm conditions that occurred over a specified period of time. Site/sites and channel numbers may be specified for the report. On the report printout, a "C" in the Working Channel columns indicates the position of the control channel and an "X" indicates an active working channel.

```
                          EDACS TRUNKING SYSTEM
                           ALARM DETAIL REPORT
                          1         2         3
                 123456789012345678901234567890123
Site Number : A  YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
Start Date  : dd-mmm-yy HH:MM        End Date : dd-mmm-yy HH:MM
Output Device (S/P/L) : P

Alarm Type         :   All Alarms
Channel Number     :   1 - 32

Sort 1             :   No Sort
Sort 2             :   No Sort
```

F6	F7	F10	F11	SELECT
EXIT	SAVE	CLEAR	SUBMIT	VALUES

Window Options

Several options on the Alarm Detail Report screen must be set using "window options." These options are not changeable directly from the screen, but are accessible using the Select key. A window option can be identified when the highlighted bar (and cursor) overlays the Field Name on the screen and will not accept typed entries. Default values are already entered for some window options, if these values are acceptable, the window options need not be changed.

The window options in chart form for the Alarm Detail Report are shown in Figure 3. The window options on the Alarm Detail Report screen are enclosed in a rectangular box. Window options are shown as branches off the screen.

The window options selections used to produce the Alarm Detail Report contained in Appendix C are shown in Figure 4. Information entered on the screen is shown in parentheses.

Alarm Detail Report Example

The following steps were used to produce the Activity Summary Report contained in Appendix C.

1. Move cursor down to "Alarm Type" window option.
2. Press Select key.
3. Press key to move to "Poller Alarms" field.
4. Press F7 (SAVE) key.
5. Move the cursor to the Output Device window option.
6. Press the "Select" key.
7. Move the cursor to the desired output device and press F7 (SAVE).
8. Move the cursor to the "Sort 1" window option.
9. Press Select key.
10. Press the key twice to move to the "Channel Number" field.
11. Press F7 (SAVE) to select Channel Number.
12. Press F11 to submit the report request.

Changing Window Options

1. Position the highlighted bar over the desired field name.
2. Press the Select key to display the options window.
3. Enter the required information on the options window.
4. Press F7 to record your option selections. You will exit the window, and the option chosen will replace the default data in the field and the highlighted bar will move to the next field name. Other defaults may also change, depending on the choices made.

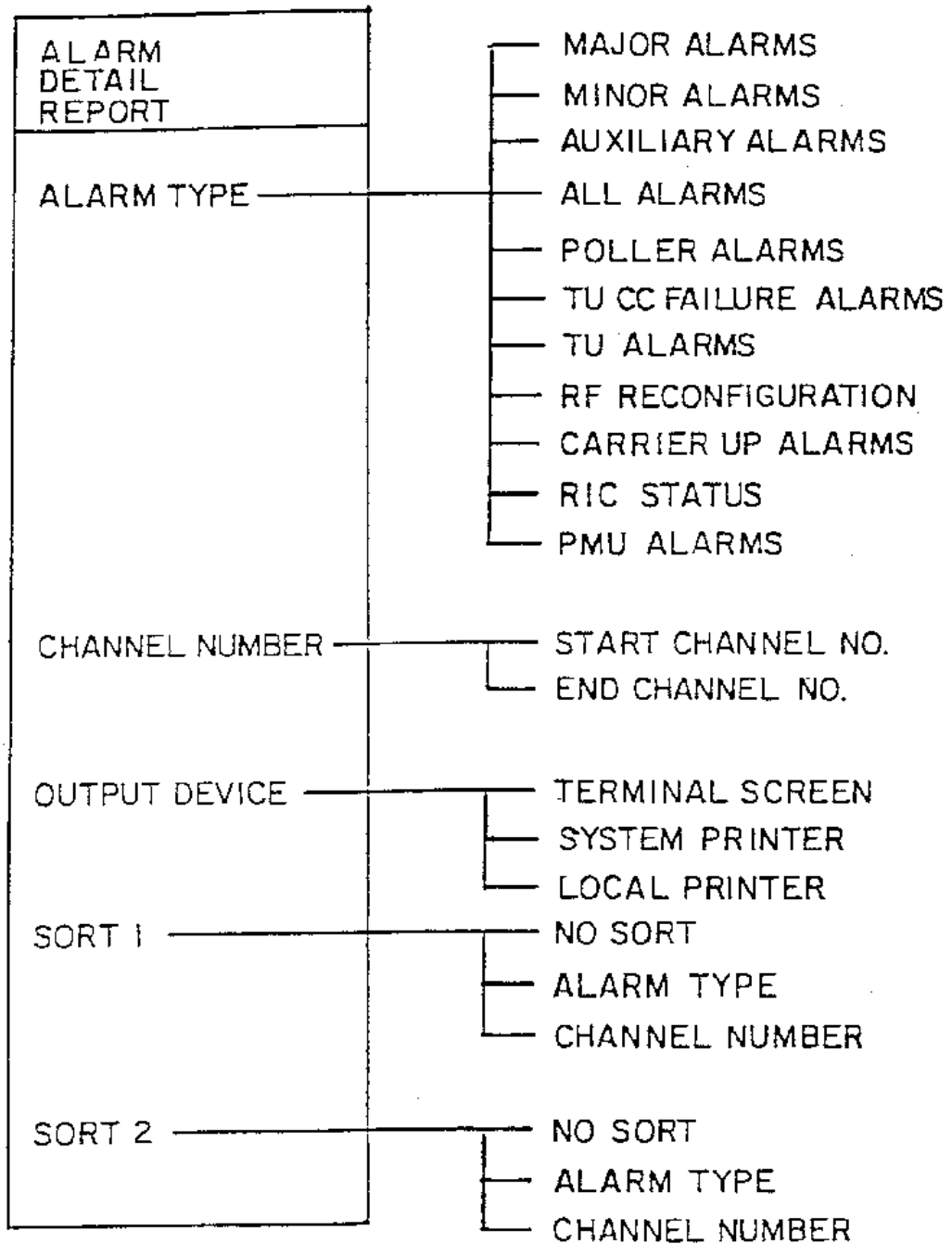


Figure 3 - Alarm Detail Report Window Options

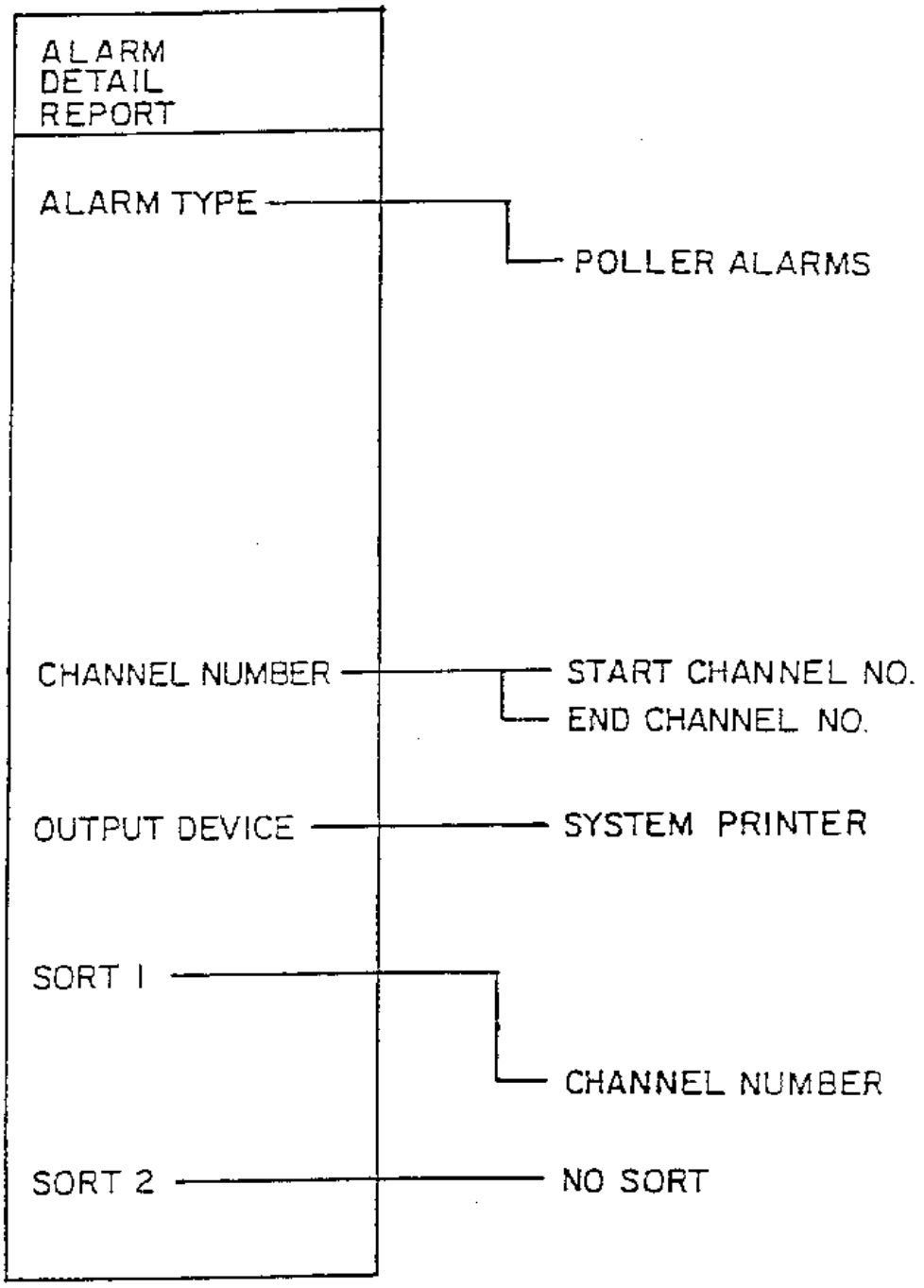


Figure 4 - Window Options For Sample Alarm Detail Report

Ordering An Alarm Detail Report

1. Enter the Site Number or accept the default A for ALL sites and press Return. If A is selected, press Return to accept all sites or select multiple sites by entering a Y for the selected site or a N to de-select a site.

2. Enter the Start Date and press Return.

3. Enter the End Date and press Return.

4. Enter the output device.

5. Make the necessary changes to the window options.

6. Press F11 to submit the report request.

Function Keys And Screen Prompt

F6 EXIT	Returns to the operator menu.
F7 SAVE	Saves the entered data or selected option.
F10 CLEAR	Displays the defaults for all fields.
F11 SUBMIT	Submits the report request to the system.
SELECT VALUES	Indicates the Select key must be pressed for window options.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

Activity Summary Reports

Since the process of ordering both reports is similar, both Activity Summary and Activity Detail reports will be discussed in this section.

Window Options

Several options on the Activity Summary and Activity Detail report screens must be set using "window options." These options are not changeable directly from the screen, but are accessible using the Select key. A window option can be identified when the highlighted bar (and cursor) overlays the Field Name on the screen and will not accept typed entries. Default values are already entered for some window options, if these values are acceptable, the window options need not be changed.

The window options in chart form for the Activity Summary and Activity Detail Reports are shown in Figure 5. The left side of the chart shows the operator menu with its branches into the Summary and Detail reports. The window options off the Activity Summary/Detail Report screen are enclosed in a rectangular box. Window options are shown as branches off the screen.

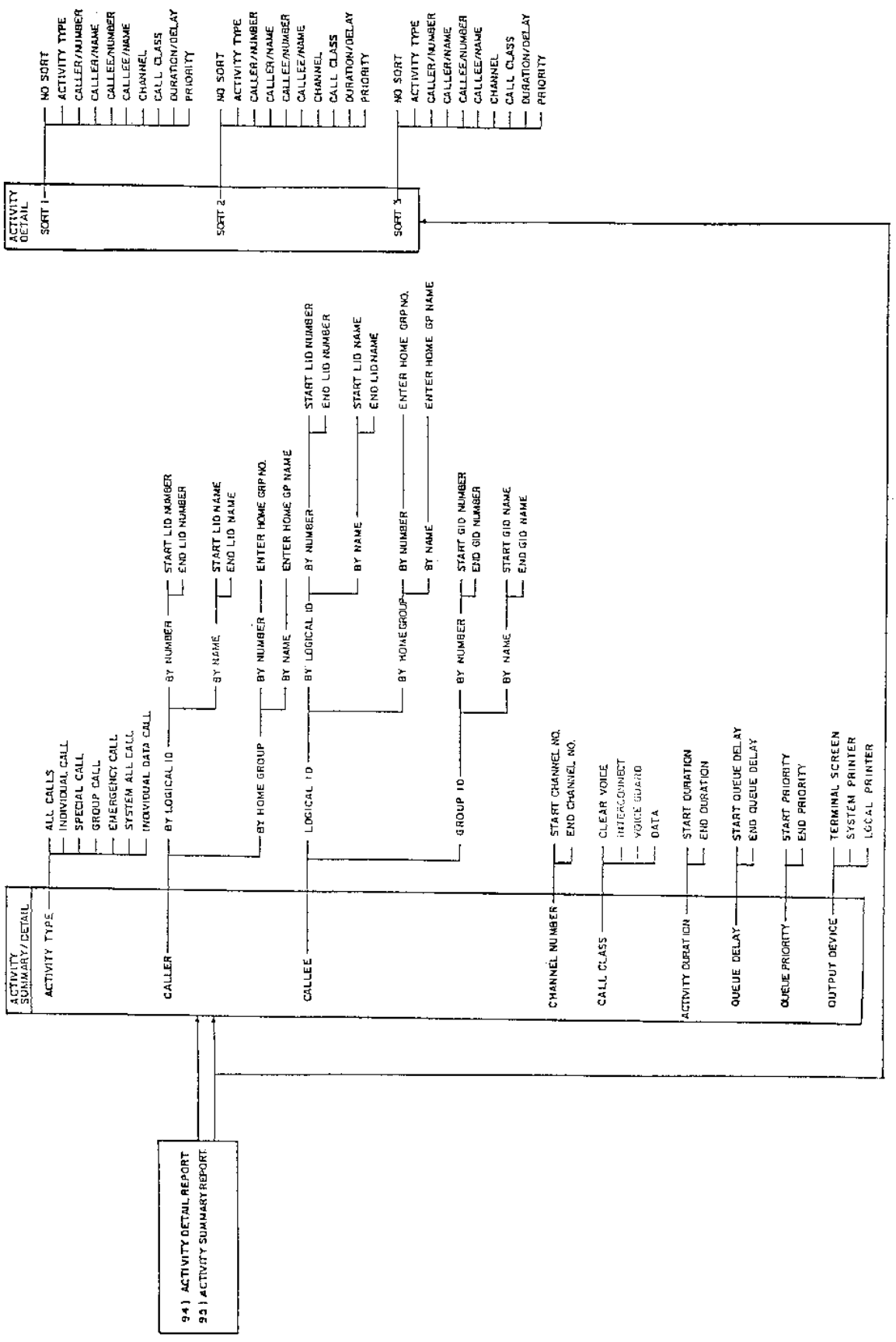
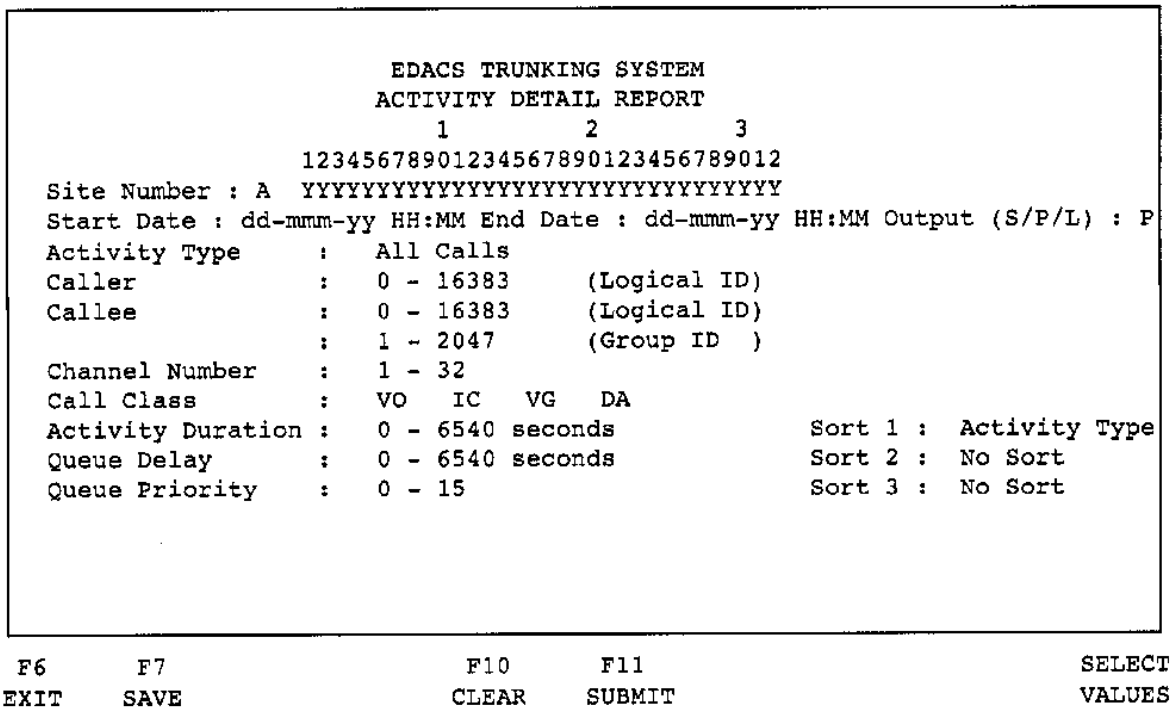


Figure 5 - Activity Summary And Activity Detail Report Window Options

94) Activity Detail Report

The Activity Detail Report function will generate a report that includes a detailed description of all calls made at a site/sites during a certain time period. The window option selections used to produce the Activity Detail Report contained in Appendix C are shown in Figure 6. Information entered on the screen is shown in parentheses.



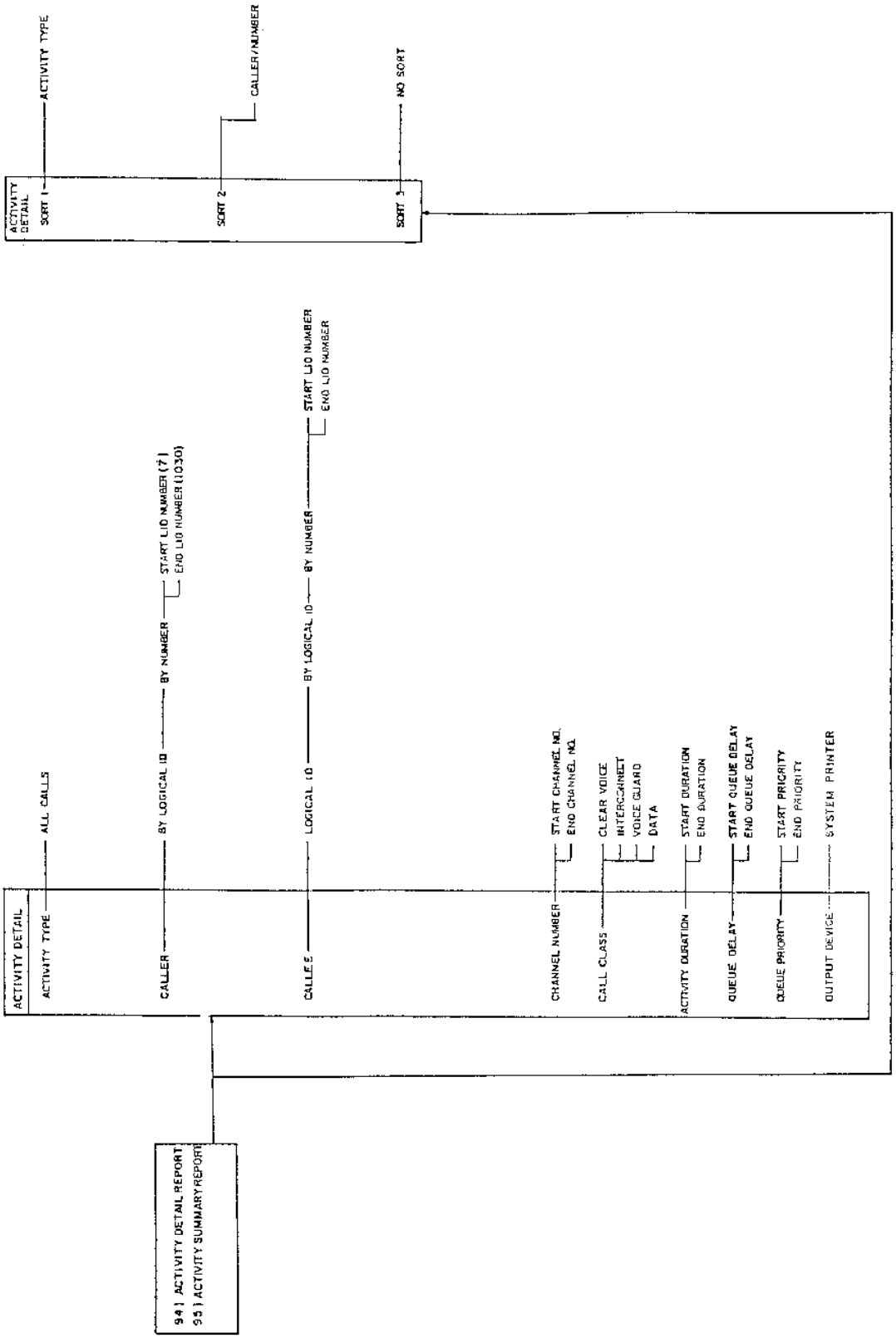


Figure 6 - Window Options For Sample Activity Detail Report

Activity Detail Report Example

The following steps were used to produce the Activity Detail Report contained in Appendix C.

1. Move cursor down to "Caller" window option.
2. Press Select key.
3. Press Select key (cursor is now over "By Logical ID").
4. Press Select key (cursor is now over "By Number").
5. Type "7" in the "Start LID Number" field.
6. Press key to move to "End LID Number" field.
7. Type "1030" and space over other characters in field.
8. Press F7 (SAVE) to save the changed values.
9. Move cursor to the "Sort 1" window option.
10. Press Select key.
11. Press to move to the "Activity Type" field.
12. Press F7 (SAVE).
13. Move the cursor to the "Sort 2" window option.
14. Press the Select key.
15. Press the key twice to move to the "Caller/Number" field.
16. Press F7 (SAVE) to save the changed values.
17. Press F11 to submit the report request.

Changing Window Options

1. Position the highlighted bar over the desired field name.
2. Press the Select key to display the options window.
3. Enter the required information on the options window. In some cases it may be necessary to press the Enter (not Return) key following the window entry.
4. Press F7 (SAVE) to record your option selections. You will exit the window and the option chosen will replace the default data in the field. The highlighted bar will move to the next field name. Other defaults may also change, depending on the choices made.

Ordering An Activity Report

1. Enter the Site Number or accept the default A for ALL sites and press Return. If A is selected, press Return to accept all sites or select multiple sites by entering a Y for the selected site or a N to de-select a site.

2. Enter the Start Date and press Return.

3. Enter the End Date and press Return.

4. Make the necessary changes to the window options.

5. Press F11 to submit the report request.

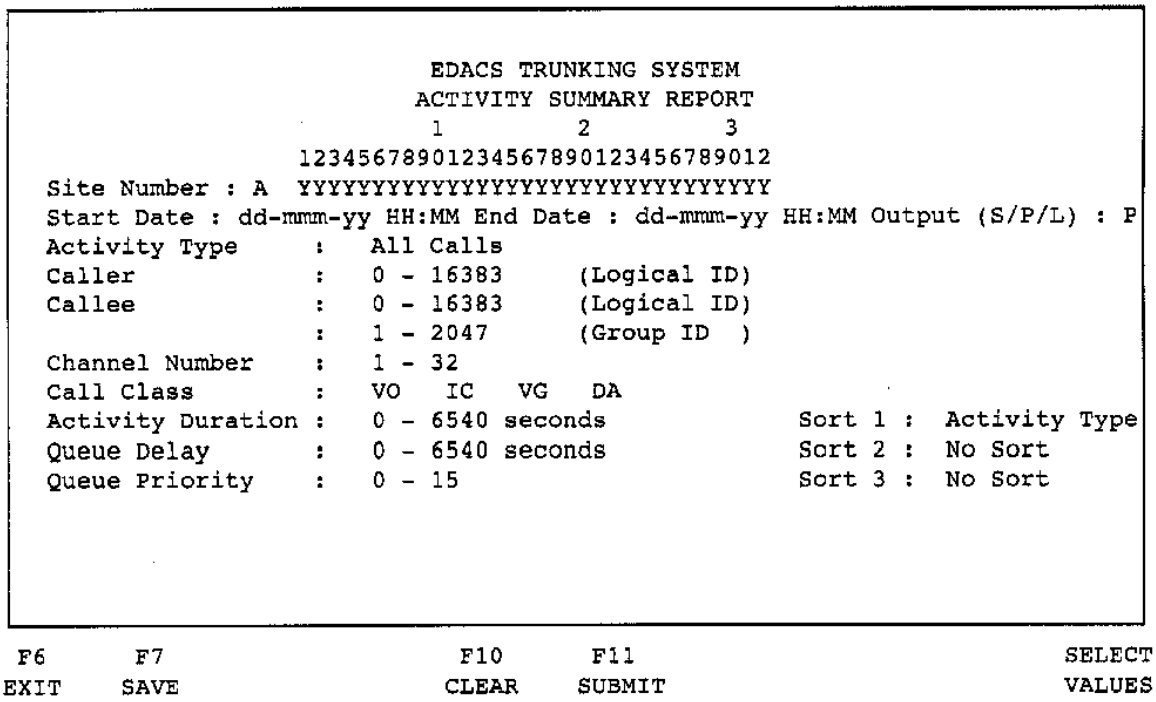
Function Keys And Menu Prompt

F6 EXIT	Exits to the operator menu.
F7 SAVE	Saves the entered data or selected option.
F10 CLEAR	Displays the defaults for all fields.
F11 SUBMIT	Submits the report request to the system.
SELECT VALUES	Indicates the Select key must be pressed for window options.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

95) Activity Summary Report

The Activity Summary Report function reports the number and types of calls that occurred during a specified time period at the site/sites. The window options selections used to produce the Activity Summary Report contained in Appendix C are shown in Figure 7. Information entered on the screen is shown in parentheses.



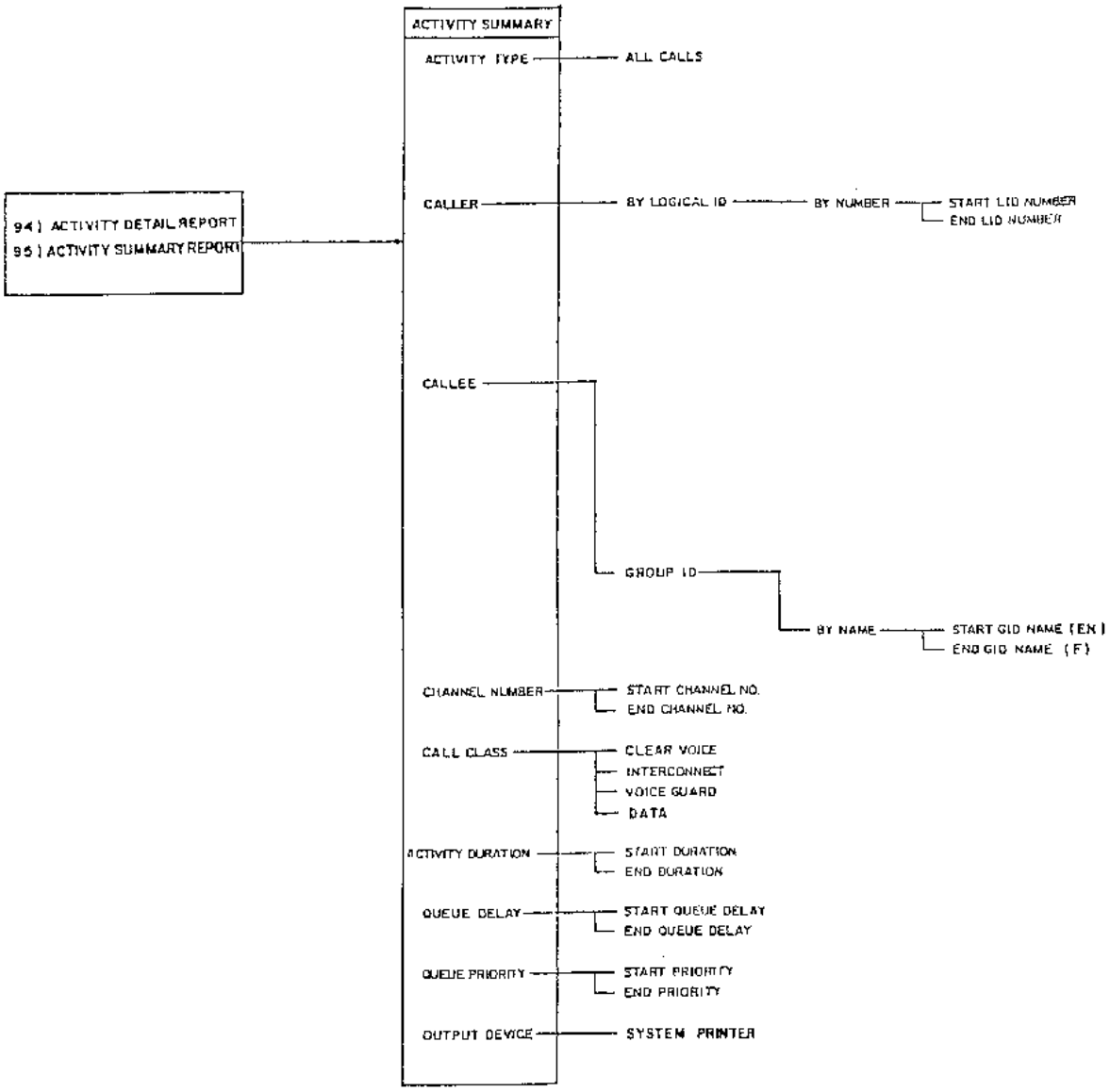


Figure 7 - Window Options For Sample Activity Summary Report

Activity Summary Report Example

The following steps were used to produce the Activity Summary Report contained in Appendix C.

1. Move cursor down to "Callee" window option.
2. Press Select key.
3. Press key to move to "Group ID" window option.
4. Press Select key.
5. Press key to move to "By Name" window option.
6. Press Select key.
7. Type "EN" in the "Start GID Name" field.
8. Press key to move to "End GID Name" field.
9. Type "F" and space over other characters in field.
10. Press F7 (SAVE) to save the changed values.
11. Press F11 to submit the report request.

Field Definitions

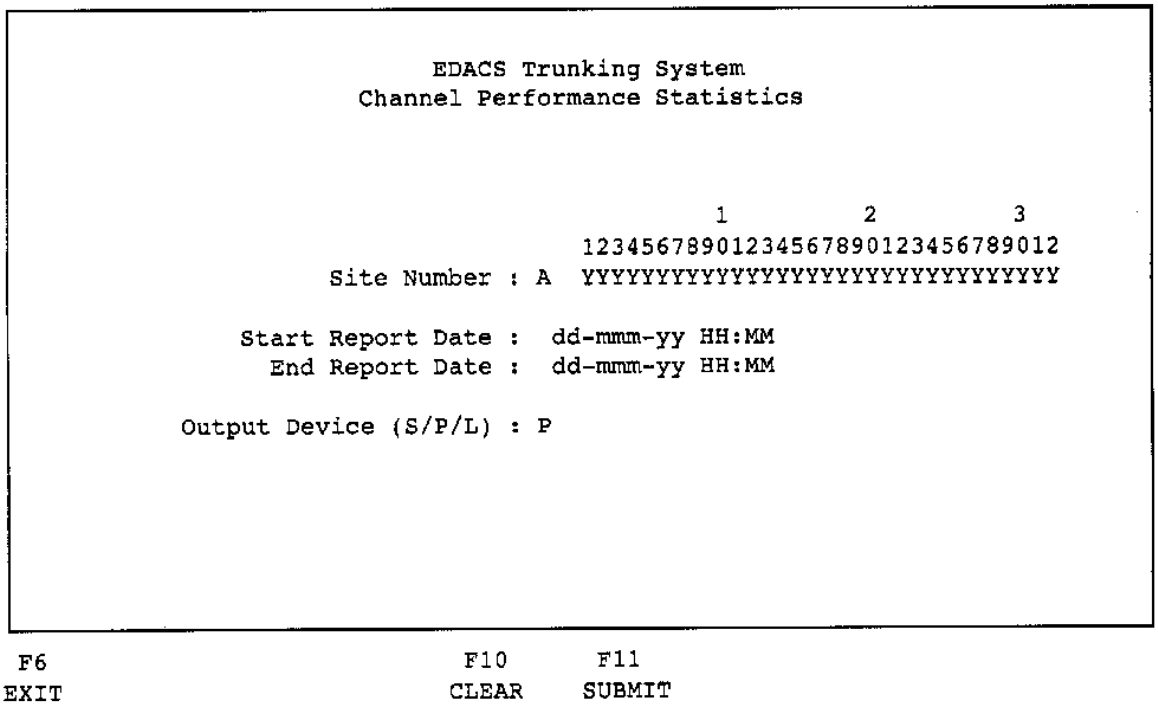
Site Number	The number of the site for whwich the Channel performance statistics report is to be generated. The default is A for All sites.
Site Select	If Site number is A, select sites by entering Y, or de-select site by entering a N.
Start Report Date	Starting date (date field) for channel activity included in the report.
End Report Date	Ending dat (date field) for channel activity included in the report.
Output Device (S/P/L)	Specifies output device for the report. Enter P (fefault for All Sites) to send the report to the System Manager printer (system printer). Enter S default for single site) to send the report to the screen. Enter L to send the report to a local printer (printer connected to the terminal).

Function Keys

F6 EXIT	Exits to the operator menu.
F10 CLEAR	Clears all fields and returns them to their default values.
F11 SUBMIT	Submits the report request and outputs the report to the selected output device.

96) Channel Statistics Report

The channel statistics report provides channel-availability and channel-activity information for each channel at a site/sites. This information is useful in determining system loading.



Ordering A Channel Performance Statistics Report

1. Enter the desired parameters for the Channel Performance Statistics Report.

2. Press F11 to submit the report. The report will output to the selected output device.

Field Definitions

Site Number	The number of the site for which the Channel performance statistics report is to be generated. The default is A for All sites.
Site Select	If Site number is A, select sites by entering Y, or de-select site by entering a N.
Start Report Date	Starting date (date field) for channel activity included in the report.
End Report Date	Ending date (date field) for channel activity included in the report.
Output Device (S/P/L)	Specifies output device for the report. Enter P (default for All Sites) to send the report to the System Manager printer (system printer). Enter S (default for single site) to send the report to the screen. Enter L to send the report to a local printer (printer connected to the terminal).

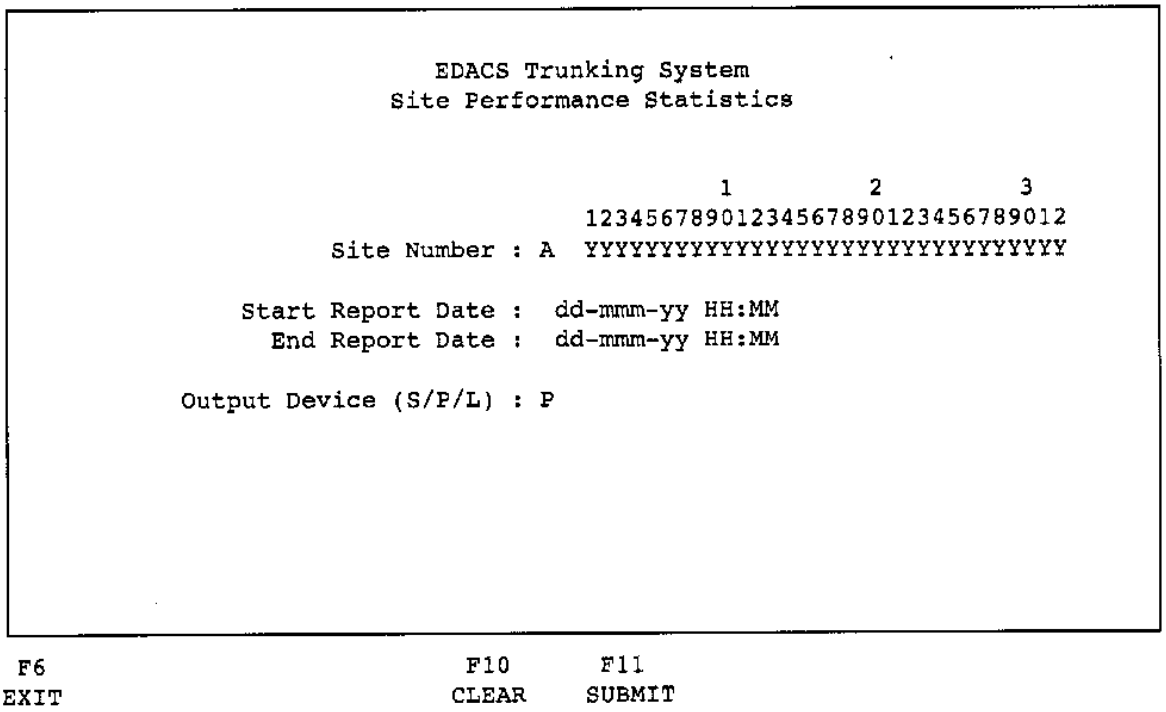
Function Keys

F6 EXIT	Exits to the operator menu.
F10 CLEAR	Clears all fields and returns them to their default values.
F11 SUBMIT	Submits the report request and outputs the report to the selected output device.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

97) Site Statistics Report

The site performance statistics report provides a breakdown of calls placed during each hour of operation of the site/sites. Information is also provided on call duration and call queueing.



Ordering A Site Performance Statistics Report

1. Enter the desired parameters for the Site Performance Statistics Report.

2. Press F11 to submit the report. The report will output to the selected output device.

Field Definitions

Site Number	The number of the site for which the Site performance statistics report is to be generated. The default is A for All sites.
Site Select	If Site number is A, select sites by entering Y, or de-select site by entering a N.
Start Report Date	Starting date (date field) for channel activity included in the report.
End Report Date	Ending date (date field) for channel activity included in the report.
Output Device (S/P/L)	Specifies output device for the report. Enter P (default for All Sites) to send the report to the System Manager printer (system printer). Enter S (default for single site) to send the report to the screen. Enter L to send the report to a local printer (printer connected to the terminal).

Function Keys

F6 EXIT	Exits to the operator menu.
F10 CLEAR	Clears all fields and returns them to their default values.
F11 SUBMIT	Submits the report request and outputs the report to the selected output device.

If the report is to be displayed on the screen or the terminal printer, the terminal will not be available for use. Press the **F6 Key** to abort the report generation and return to the current input form.

GLOSSARY

All Call — A broadcast call made to all radio units.

Alphanumeric Fields — Accepts all characters (symbols, numbers, and characters) available on the keyboard.

Clear Voice — 1. A normal FM voice communication made over a EDACS system. 2. A non-encrypted voice signal.

Cursor — An indicator that shows your current position on the screen.

Date Fields — Accepts dates in the format dd-mmm-yy, where

dd = numeric day of the month
mmm = first three letters of the month.
yy = last two digits of the year.

Download — The process of receiving information from the Site Controller.

Emergency Call — A call placed over a EDACS system that utilizes special signalling and gives the caller the highest communications priority.

End Channel Number — Defines the last channel number in a channel-number range that is to be included in a System Manager report.

End Duration — The end time in seconds of an activity duration used with System Manager reports.

End Priority — The ending priority number in a queue-priority range to be included in a System Manager report.

End Queue Delay — The end time in seconds of a queue delay used with System Manager reports.

Field — An area on a program screen where data is entered.

GID — See Group ID, GID.

Group — 1. A collection of radio users with a common communications requirement. 2. Radio users that are assigned a common group identifications number on a EDACS system.

Group ID, GID — A number used by the system to identify a communications group.

Home Group — 1. A default communications group assigned to the radio unit. 2. The communications group programmed into a radio unit which is used by the radio unit when power is first applied. 3. The communications group programmed into the radio unit that is used when the HOME key is pressed or when the radio unit declares an emergency.

Individual Call	A call placed to a specific radio unit. A telephone interconnect call is a type of individual call.
Individual Data Call	A data call placed to a specific radio unit.
Interconnect	A special call which permits communication between a telephone caller and a radio unit.
Intercon Voice Guard	A telephone interconnect call placed with a radio unit that is using Voice Guard transmissions.
Key of reference	1) The data field (key) the System Manager uses to search through a file. 2) The field that must be entered to retrieve a data record from the System Manager database.
LID	See Logical ID, LID
Logical ID, LID	A number used by the system to identify a radio unit.
Menu	A program screen that lists processing choices available to the user.
Numeric Fields	Accepts all whole number (0 thru 9) numeric entries. Fractions or negative numbers are not allowed.
Password	A 12-character word which authorizes the user to access the System Manager.
Rotary definition	Defines the rotary hunt sequence used by the telephone equipment when assigning telephone lines. When several lines are used at a site, the telephone equipment will try each line defined in the rotary sequence until a free line (not busy) is found.
Screen	A display generated by a program. Information displayed on the screen of a video display terminal.
Site	The location of the Site Controller and associated equipment.
Site Controller	The main computer and software at the site which directs the operation of a trunked radio system.
Special Call	A EDACS operating mode that includes individual and telephone interconnect calls.
Start Channel Number	Defines the first channel number in a channel-number range that is to be included in a System Manager report.
Start Duration	The start time in seconds of an activity duration used with System Manager reports.
Start Priority	The first priority number in a queue-priority range to be included in a System Manager report.
Start Queue Delay	The start time in seconds of a queue delay used with System Manager reports.
System All Call	A system-wide broadcast call made to all radio units belonging to the radio system.

System Manager	A software package and computer system used to manage the database associated with the EDACS system. The System Manager maintains its own database and communicates with the Site Controller.
Upload	The process of sending information from the System Manager to the Site Controller.
User Name	An eight-character alphanumeric designation which identifies the operator to the System Manager.
Voice Guard	A digital encryption system developed by GE used with voice transmissions.

APPENDIX A -- MONITOR DISPLAY MESSAGES AND STATUS CODES

The following is a list of messages and status calls that may appear on the site monitor display.

4 BAD VOTED MSGS	Four bad voted messages detected by the test unit.
CALL DENIED	Caller has requested a service which cannot be performed.
CALL QUEUED	System fully loaded (all resources for this call are in use), call has been queued.
CARRIER PRESENT	A carrier has been detected on the working channel. This usually indicates the presence of interference or intermodulation (intermod).
CC POLL FAILURE	The Control-Channel GETC failed to respond to its poll from the Site Controller.
CC POWER FAILURE	This channel was the control channel, but the power monitor unit (PMU) has re-potred a power failure.
CC SYNTH LOCK	The test unit could not lock it synthesizer on the control channel.
CDRP	Call drop.
CHNL DIAGNOSTICS	This channel os out of service for a background test call.
CONSOLE ALARM	The console has declared an RF/IF card failure for this channel.
CONTROL CHANNEL	This channel is the control channel.
CONVERT TO CALLEE	Caller placed a call to a group which was already on channel.
DOWNLINK CHANNEL	This channel is a downlink trunking card (GETC).
DROP WITH CARRIER	The working channel has dropped after its last call and a carrier has been detected (see CARRIER PRESENT).
EMERGENCY CALL	A radio unit has declared an emergency call and an emergency group call is in progress.
GASN	Group assignment.
GETC COMM ERROR	A communications error has been detected by the Site Controller communication driver.
GROUP CALL	A group call is in progress.
GROUP DATA CALL	A group data call is in progress.
HIGH SPEED FAILED	The test unit detected bad high-speed data on the working channel.
IASN	Individual assignment.
IN USE	Channel is currently busy.
INDIV DATA CALL	An individual data call is in progress.

INDIVIDUAL CALL	An individual data call is in progress.
INTERCONNECT CALL	A radio-to-telephone interconnect call is in progress.
LOST CC SYNCH	The test unit could not remain synchronized with the control unit.
LOW SPEED FAILED	The test unit detected bad low-speed data on the working channel.
MORSE CODE ID	A morse code identification message (repeater ID) is being broadcast over this channel.
NAVAIL	Channel is not available.
NO CC FOUND	The test unit could not find a control channel for its request.
NO CC HIGH SPEED	Control channel high-speed data is bad or nonexistent.
NO CHNL ASSIGNED	The test unit received no channel assignment when it requested a channel.
NO DROP SEEN	The test unit did not see the channel broadcast a drop sequence.
NO SITE ID SEEN	No site identification message has been seen.
OFF	No trunking card (GETC) is defined to be at this position.
REPEAT MESSAGES	The test unit has detected repeat messages on the control channel.
SASN	Special assignment.
SYSTEM ALL-CALL	A system all-call is in progress.
SYSTEM BUSY	The system cannot handle the call request at this time.
TELEPHONE CALL	A telephone-to-radio call is in progress.
TEST CALL	A test call originated by the Test Unit (TU) is in progress.
WC SYNTH LOCK	The test unit could not lock its synthesizer on the working channel.
WRONG SITE ID	The site number is the site identification messsage is incorrect.

APPENDIX B -- SYSTEM MANAGER MESSAGES

The following messages are responses from the System Manager that may appear on the screen during normal operation.

Activity Report Being Generated Please Wait -- The system is preparing the activity report.

Activity Report Submitted -- Report request has been accepted and sent to the printer.

Activity For Site/Date Not Found -- The activity file for the designated site and date could not be found.

Activity Transfer Initiated -- A transfer of the activity data from the designated site has been initiated.

Agency Partition Table Not Found; Must Be Defined By Supervisor -- The Supervisor has not defined the Agency Partition table.

Invalid Date -- Date requested is not within a reportable range.

Invalid Fleet Number -- Reenter a valid fleet number.

Invalid Home Group -- Home group does not exist.

Multiple Control Channels Indicated; Please Reenter -- More than one control channel has been designated.

No Activity Available for this Site -- Site is defined on the system but activity is not available.

No Control Channel Indicated; Please Reenter -- One channel must be designated the control channel.

Operation Permitted On Latched Alarm State Only -- You are trying to alter the Current alarm state. Press F11 to get to the Latched state.

Spooling Activity Report To Printer -- The requested activity report file is being spooled to the printer.

SUPERVISOR Access Not Permitted -- This is a supervisor function and may not be accessed by a general operator.

Translating Activity To Report File; Please Wait -- The raw activity data is being translated into a user readable form.

Unable To Modify Value -- Changing this entry would affect related records. Associated records must be changed (deleted) before this value can be changed.

Unable To Read Site Channel Configuration -- The System Manager is unable to communicate with the Site Controller. Check the communications link to the Site Controller. Also, check that the Site Controller is running (system not in failsoft).

Unable To Read Site Parameters Configuration -- The System Manager is unable to send the new configuration data to the Site controller. Check the communications link to the Site Controller. Also, check that the Site Controller is running (system not in failsoft).

Unable To Reconfigure Site Channels -- The System Manager is unable to send the new configuration data to the Site controller. Check the communications link to the Site Controller. Also, check that the Site Controller is running (system not in failsoft).

Unable To Reconfigure Site Parameters - The System Manager is unable to send the new configuration data to the Site controller. Check the communications link to the Site Controller. Also, check that the Site Controller is running (system not in failsoft).

Undefined Alarm Class Input; Please Reenter -- Alarm class must be R (Reset), E (Enable), or D (Disable).

Undefined Site -- Site requested is not defined on this system.

Value Out of Range -- Entered value is out of the acceptable range.

You Are Already Sorting on this Field -- Sort option chosen has been selected in a prior Sort field.

You Must Fill Previous Sort Field First -- Previous Sort field has NO SORT as the selected option. Change the selected option for the previous Sort field and try again.

APPENDIX C - SAMPLE REPORTS

This appendix contains sample printouts made using the report generation functions of the System Manager. Only a small representation of the available reports were included in this appendix.

Report	Page
UNIT REPORT	C-2
UNIT REPORT (PAGE 2)	C-3
GROUP REPORT	C-4
GROUP REPORT (PAGE 2)	C-5
SITE REPORT	C-6
SITE REPORT (PAGE 2)	C-7
ALARM REPORT	C-8
ACTIVITY DETAIL REPORT	C-10
ACTIVITY SUMMARY REPORT	C-14
CHANNEL STATISTICS REPORT	C-15
SITE SATISTICS REPORT	C-16

UNIT REPORT

GE EDACS TRUNKING SYSTEM Date: 07-JUL-1989
Unit Database Report

SELECTION CRITERIA :

Brief Report
Sorted by Unit Number

unit number range : 0 - 200
unit name range : No range selected
home group range : 0 - 200

EDACS Trunking System 07-JUL-1989
Unit Database Report Page : 1

Unit Id/Name	Serial Number Radio Asset #	Home Group Home Site	D I V VG Cur/Des	Hng Tim Toll	Ded Lin Rotary	Sec Inb	W/A Trk	Active Sites Forced Sites
19/DSK UNT1	19	1/G ONE	0 0 3 0	0	1	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	19	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
35/ABRAM M	35	0/	0 0 3 0	0	1	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	35	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
42/CSC CONS	42	0/	0 0 3 0	0	1	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	42	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
43/MVR CONS	43	0/	0 0 3 0	0	1	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	43	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
44/DEV CONS	44	0/	0 0 5 0	0	0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	44	1/CANDLERS	Ena/Ena	0	0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
45/CONSOLE	45	0/	0 0 5 0	0	0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	45	1/CANDLERS	Ena/Ena	0	0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
47/MSC CONS	47	0/	0 0 5 0	0	0	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	47	1/CANDLERS	Ena/Ena	0	0	Y	N	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
48/DSK UNT3	48	0/	0 0 5 0	0	0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
	48	1/CANDLERS	Ena/Ena	0	0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

UNIT REPORT (PAGE 2)

55/MPD1	55	0/	0 0 5 0	0	0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	55	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
62/RALPH2	62	0/	0 0 0 0	0	0	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	62	1/CANDLERS	Ena/Ena	0	0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
63/RALPH1	63	0/	0 0 0 0	0	0	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	63	1/CANDLERS	Ena/Ena	0	0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
70/G FATH D	70	3/	0 0 3 0	0	1	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	70	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
71/KAPP M	71	3/	0 0 3 0	0	1	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	71	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
72/GARNER M	72	3/	0 0 3 0	0	1	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	72	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
73/D BING M	73	3/	0 0 3 0	0	1	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	73	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
74/GRIFTH M	74	3/	0 0 3 0	0	1	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	74	1/CANDLERS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
75/ELDER M	75	3/	0 0 3 0	0	1	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNNN
	75	4/SIMULCAS	Ena/Ena	0	1	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN

GROUP REPORT

GE EDACS TRUNKING SYSTEM Date: 07-JUL-1989
Group Database Report

SELECTION CRITERIA :

Brief Report
Sorted by Group Number

group id range : 0 - 2047
group name range : No range selected
record type : All types

GE 16-Plus Trunking System 07-JUL-1989
Group Database Report Page : 1

Group Id/Name	Type	D I V VG Hng Time	Scc Inb	W/A Trk	Active Sites / Forced Sites
1/G ONE	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
16/TEST	F	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
256/ENGR 9	A	0 0 4 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		4	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
257/CSI SIM1	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
258/CSI SIM2	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
259/CSI PCH1	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
260/CSI PCH2	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

GROUP REPORT (PAGE 2)

261/CSI PCH3	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
262/CSI PCH4	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
263/CSI PCH5	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
264/CSI PCH6	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
265/CSI PCH7	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
266/CSI PCH8	S	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
272/FLEET 9	F	0 0 0 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		2	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
273/ENGR 1	S	0 0 3 0	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
274/ENGR 2	S	0 0 3 0	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		6	Y	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
288/ENGR 7	F	0 0 3 0	N	N	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		2	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
289/ENGR 3	S	0 0 3 0	N	Y	YYNYNNNNNNNNNNNNNNNNNNNNNNNN
		0	Y	Y	NNNNNNNNNNNNNNNNNNNNNNNNNNNN

SITE REPORT

GE EDACS TRUNKING SYSTEM Date: 07-JUL-1989
Site Database Report

SELECTION CRITERIA :

Site Report
site range : 1 - 32

GE 16-Plus Trunking System 07-JUL-1989
Site Database Report Page : 1
Site 1

Site Number/Name	:	1 / CANDLERS
Site Phone Number	:	7204
System Manager Phone #	:	
		1 2
Channel Configuration	:	12345678901234567890
RF	:	CYYYYNNNNNNNNNNNNNN
Interconnect	:	NNNYYNNNNNNNNNNNNNN
Data	:	YYYYYNNNNNNNNNNNNNN
Modem	:	YYYYYNNNNNNNNNNNNNN
Voice	:	YYYYYNNNNNNNNNNNNNN
Test	:	NNNNNNNNNNNNNNNNNNNN

Msg Conversation Limit-10s	:	30	Trns Conversation Lmt-10s	:	30
Interconnect Hang Time-1s	:	30	Emergency Hang Time-1s	:	2
Backup Downlink Channel?	:	N	Recent Call Queue Int-1ms	:	5000
Morse Code Id Interval-1m	:	15	GETC Recovery Modifier	:	6
Scramble Data Call Int-1s	:	5	GETC Poll Failure Level	:	2
Rotate Assignments?	:	Y	GETC Recovery Level	:	4
Max # Concurrent Intercnt	:	2	Testunit POll Failure Lvl	:	2
Max # Concurrent Individl	:	20	Testunit Poll Recovery Lvl	:	4
PMU Power Level	:	3	RIC POll Failure Level	:	2
Pmu On?	:	Y	RIC Poll Recovery Level	:	4
Activity Dump Threshold	:	1000	LIC Poll Failure Level	:	2
Test Unit on?	:	Y	LIC Poll Recovery Level	:	4
Background Testcall Int-1m	:	5	Assign Channels Descend?	:	N

SITE REPORT (PAGE 2)

GE EDACS TRUNKING SYSTEM 07-JUL-1989
Site Database Report Page : 2
Site 2

Site Number/Name	:	2 / MVR20CHN
Site Phone Number	:	
System Manager Phone #	:	
		1 2
Channel Configuration	:	12345678901234567890
RF	:	CYYYYYYYYYNNNNNNNNNN
Interconnect	:	NNNNNNNNYYNNNNNNNNNN
Data	:	NNNNNNNYYYNNNNNNNNNN
Modem	:	YYYYYYYYYYNNNNNNNNNN
Voice	:	NNNNYYYNNNNNNNNNNNNN
Test	:	YYYYYNNNNNNNNNNNNNNN

Msg Conversation Limit-10s	:	180	Trns Conversation Lmt-10s	:	180
Interconnect Hang Time-1s	:	30	Emergency Hang Time-1s	:	2
Backup Downlink Channel?	:	N	Recent Call Queue Int-1ms	:	5000
Morse Code Id Interval-1m	:	15	GETC Recovery Modifier	:	6
Scramble Data Call Int-1s	:	5	GETC Poll Failure Level	:	2
Rotate Assignments?	:	Y	GETC Recovery Level	:	4
Max # Concurrent Intercnt	:	2	Testunit POll Failure Lvl	:	2
Max # Concurrent Individl	:	20	Testunit Poll Recovery Lvl	:	4
PMU Power Level	:	3	RIC POll Failure Level	:	2
Pmu On?	:	Y	RIC Poll Recovery Level	:	4
Activity Dump Threshold	:	100	LIC Poll Failure Level	:	2
Test Unit on?	:	Y	LIC Poll Recovery Level	:	4
Background Testcall Int-1m	:	5	Assign Channels Descend?	:	N

ALARM REPORT

GE EDACS TRUNKING SYSTEM Date: 10-JUL-1989
Alarm Detail Report

SELECTION CRITERIA:

site number : 2
time period : 07/10/89 00:00:00 - 07/10/89 10:15:00
activity type : Poller Aim
channel range : 1 - 32
sorts 1, 2 : Channel Number No Sort

ALARM REPORT (con't)

GE EDACS TRUNKING SYSTEM Date: 10-JUL-1989
Alarm Detail Report Page: 1
for site 02

Date/Time	Activity	Chan	Working Channels
07/10/89 00:09:38	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 00:19:44	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 00:29:49	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 00:39:55	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 00:50:01	Poller Alm	06	1X3C5XXX9X12345678901234567890123456789012
07/10/89 01:00:07	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 01:10:13	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 01:20:19	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 01:30:26	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 01:40:32	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 01:50:38	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 02:00:43	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 02:10:50	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 02:20:55	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 02:31:01	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 02:41:07	Poller Alm	06	1X3C5XXX9X12345678901234567890123456789012
07/10/89 02:51:13	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 03:01:19	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 03:11:26	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 03:21:32	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 03:31:38	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 03:41:44	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 03:51:50	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 04:01:55	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 04:12:00	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 04:22:06	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 04:32:13	Poller Alm	06	1X3C5XXX9X12345678901234567890123456789012
07/10/89 04:42:19	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 04:52:25	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 05:02:28	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 05:12:35	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 05:22:41	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 05:32:46	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 05:42:52	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 05:52:58	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 06:03:03	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 06:13:09	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 06:23:15	Poller Alm	06	1X3C5XXX9X12345678901234567890123456789012
07/10/89 06:33:21	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 06:43:27	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 06:53:33	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 07:03:37	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 07:13:43	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 07:23:48	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012
07/10/89 07:33:54	Poller Alm	06	XX3C5XXX9X12345678901234567890123456789012

ACTIVITY DETAIL REPORT

GE EDACS TRUNKING SYSTEM Date: 10-JUL-1989
Activity Detail Report

SELECTION CRITERIA:

site number : 1
time period : 07/10/89 00:00:00 - 07/10/89 10:13:00
activity type : ALL
caller range : 7 - 1030 (Logical ID)
callee range : 0 - 16383 (Logical ID)
: 1 - 2047 (Group ID)
channel range : 1 - 32
call class : VO IC VG DA
queue priority : 0 - 15
duration : 00:00:00.00 - 01:49:00.00
queue delay : 00:00:00.00 - 01:49:00.00
sorts 1, 2, 3 : Activity Type Caller/Number No Sort

ACTIVITY DETAIL REPORT (con't)

GE EDACS TRUNKING SYSTEM Date: 10-JUL-1989
Activity Detail Report Page: 1
for site 01

Date/Time	Activity Type	Caller	Callee	Ch No	Call Clas	Queue Pr/Dp	Duration or Queue Delay	Flg
07/10/89 07:08:25	GROUP	19	545	05	VO	N/A	00:00:04.70	
07/10/89 07:08:32	GROUP	19	545	01	VO	N/A	00:00:05.80	
07/10/89 08:35:26	GROUP	502	736	01	VO	N/A	00:00:01.20	
07/10/89 07:48:31	GROUP	1003	322	05	VO	N/A	00:00:01.30	
07/10/89 07:48:40	GROUP	1003	322	03	VO	N/A	00:00:01.50	
07/10/89 07:48:42	GROUP	1003	322	04	VO	N/A	00:00:01.20	
07/10/89 07:48:44	GROUP	1003	322	05	VO	N/A	00:00:01.70	
07/10/89 07:48:46	GROUP	1003	322	01	VO	N/A	00:00:01.90	
07/10/89 07:48:49	GROUP	1003	322	03	VO	N/A	00:00:01.80	
07/10/89 07:48:51	GROUP	1003	322	05	VO	N/A	00:00:03.70	
07/10/89 07:48:56	GROUP	1003	322	01	VO	N/A	00:00:04.10	
07/10/89 07:49:01	GROUP	1003	322	03	VO	N/A	00:00:06.00	
07/10/89 07:49:08	GROUP	1003	322	05	VO	N/A	00:00:02.00	
07/10/89 07:49:11	GROUP	1003	322	01	VO	N/A	00:00:01.30	
07/10/89 07:49:13	GROUP	1003	322	05	VO	N/A	00:00:01.70	
07/10/89 07:49:17	GROUP	1003	322	01	VO	N/A	00:00:01.80	
07/10/89 07:49:19	GROUP	1003	322	03	VO	N/A	00:00:02.20	
07/10/89 07:49:23	GROUP	1003	322	04	VO	N/A	00:00:07.80	
07/10/89 07:49:31	GROUP	1003	322	05	VO	N/A	00:00:05.90	
07/10/89 07:49:38	GROUP	1003	322	03	VO	N/A	00:00:01.90	
07/10/89 07:49:49	GROUP	1003	322	04	VO	N/A	00:00:05.20	
07/10/89 07:49:54	GROUP	1003	322	05	VO	N/A	00:00:03.50	
07/10/89 07:50:01	GROUP	1003	322	01	VO	N/A	00:00:01.90	
07/10/89 07:50:04	GROUP	1003	322	03	VO	N/A	00:00:01.20	
07/10/89 07:50:06	GROUP	1003	322	04	VO	N/A	00:00:01.20	
07/10/89 07:50:07	GROUP	1003	322	05	VO	N/A	00:00:01.10	
07/10/89 07:50:10	GROUP	1003	322	01	VO	N/A	00:00:01.50	
07/10/89 07:50:13	GROUP	1003	322	04	VO	N/A	00:00:04.40	
07/10/89 07:50:19	GROUP	1003	322	05	VO	N/A	00:00:02.30	
07/10/89 07:50:22	GROUP	1003	322	01	VO	N/A	00:00:02.20	
07/10/89 07:50:31	GROUP	1003	322	03	VO	N/A	00:00:02.40	
07/10/89 07:50:34	GROUP	1003	322	04	VO	N/A	00:00:02.30	
07/10/89 07:50:40	GROUP	1003	322	05	VO	N/A	00:00:02.30	
07/10/89 07:50:44	GROUP	1003	322	01	VO	N/A	00:00:01.90	
07/10/89 07:51:00	GROUP	1003	322	03	VO	N/A	00:00:02.30	
07/10/89 07:51:04	GROUP	1003	322	04	VO	N/A	00:00:01.90	
07/10/89 07:51:07	GROUP	1003	322	05	VO	N/A	00:00:04.20	
07/10/89 07:51:12	GROUP	1003	322	03	VO	N/A	00:00:02.80	
07/10/89 07:51:17	GROUP	1003	322	04	VO	N/A	00:00:01.40	
07/10/89 07:51:19	GROUP	1003	322	05	VO	N/A	00:00:04.40	
07/10/89 07:51:25	GROUP	1003	322	01	VO	N/A	00:00:03.10	
07/10/89 07:51:29	GROUP	1003	322	03	VO	N/A	00:00:01.50	
07/10/89 07:51:32	GROUP	1003	322	04	VO	N/A	00:00:02.30	
07/10/89 07:51:35	GROUP	1003	322	05	VO	N/A	00:00:02.70	
07/10/89 07:51:39	GROUP	1003	322	03	VO	N/A	00:00:03.60	

Flags: C = console pre-empt, M = missed channel drop, O = duration overflow

ACTIVITY DETAIL REPORT (con't)

GE EDACS TRUNKING SYSTEM — Date: 10-JUL-1989
Activity Detail Report — Page: 2
for site 01

Date/Time	Activity Type	Caller	Callee	Ch No	Call Clas	Queue Pr/Dp	Duration or Queue Delay	Flg
07/10/89 07:51:44	GROUP	1003	322	04	VO	N/A	00:00:02.30	
07/10/89 08:44:32	GROUP	1027	273	03	VO	N/A	00:00:00.70	
07/10/89 09:41:24	GROUP	1030	273	01	VO	N/A	00:00:02.40	
07/10/89 00:00:00	IND DATA	7	507	01	DA	N/A	00:00:06.60	
07/10/89 00:00:12	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:00:16	IND DATA	7	507	01	DA	N/A	00:00:02.80	
07/10/89 00:00:21	IND DATA	7	507	04	DA	N/A	00:00:00.80	
07/10/89 00:00:25	IND DATA	7	507	01	DA	N/A	00:00:01.90	
07/10/89 00:00:33	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:00:38	IND DATA	7	507	01	DA	N/A	00:00:09.30	
07/10/89 00:00:50	IND DATA	7	507	04	DA	N/A	00:00:01.10	
07/10/89 00:00:55	IND DATA	7	507	01	DA	N/A	00:00:03.70	
07/10/89 00:01:05	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:01:10	IND DATA	7	507	01	DA	N/A	00:00:09.20	
07/10/89 00:01:22	IND DATA	7	507	04	DA	N/A	00:00:01.70	
07/10/89 00:01:28	IND DATA	7	507	01	DA	N/A	00:00:05.70	
07/10/89 00:01:39	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:01:44	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:01:47	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:01:51	IND DATA	7	507	04	DA	N/A	00:00:01.00	
07/10/89 00:01:54	IND DATA	7	507	01	DA	N/A	00:00:03.70	
07/10/89 00:02:04	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:02:09	IND DATA	7	507	01	DA	N/A	00:00:09.20	
07/10/89 00:02:21	IND DATA	7	507	04	DA	N/A	00:00:01.00	
07/10/89 00:02:25	IND DATA	7	507	03	DA	N/A	00:00:01.30	
07/10/89 00:02:30	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:02:35	IND DATA	7	507	03	DA	N/A	00:00:00.60	
07/10/89 00:02:38	IND DATA	7	507	01	DA	N/A	00:00:03.20	
07/10/89 00:02:46	IND DATA	7	507	04	DA	N/A	00:00:01.70	
07/10/89 00:02:51	IND DATA	7	507	01	DA	N/A	00:00:08.10	
07/10/89 00:03:04	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:03:09	IND DATA	7	507	01	DA	N/A	00:00:05.70	
07/10/89 00:03:19	IND DATA	7	507	04	DA	N/A	00:00:01.10	
07/10/89 00:03:23	IND DATA	7	507	01	DA	N/A	00:00:09.20	
07/10/89 00:03:34	IND DATA	7	507	04	DA	N/A	00:00:01.00	
07/10/89 00:03:39	IND DATA	7	507	01	DA	N/A	00:00:09.30	
07/10/89 00:03:52	IND DATA	7	507	04	DA	N/A	00:00:01.00	
07/10/89 00:03:57	IND DATA	7	507	01	DA	N/A	00:00:09.20	
07/10/89 00:04:09	IND DATA	7	507	04	DA	N/A	00:00:00.70	
07/10/89 00:04:14	IND DATA	7	507	01	DA	N/A	00:00:00.60	
07/10/89 00:04:17	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:04:22	IND DATA	7	507	01	DA	N/A	00:00:09.20	
07/10/89 00:04:35	IND DATA	7	507	04	DA	N/A	00:00:01.60	
07/10/89 00:04:40	IND DATA	7	507	01	DA	N/A	00:00:00.80	
07/10/89 00:04:43	IND DATA	7	507	05	DA	N/A	00:00:00.60	

Flags: C = console pre-empt, M = missed channel drop, O = duration overflow

ACTIVITY DETAIL REPORT (con't)

GE EDACS TRUNKING SYSTEM — Date: 10-JUL-1989
Activity Detail Report — Page: 3
for site 01

Date/Time	Activity Type	Caller	Callee	Ch No	Call Clas	Queue Pr/Dp	Duration or Queue Delay	Flg
07/10/89 00:04:47	IND DATA	7	507	03	DA	N/A	00:00:01.60	
07/10/89 00:04:51	IND DATA	7	507	01	DA	N/A	00:00:09.30	
07/10/89 00:05:05	IND DATA	7	507	04	DA	N/A	00:00:01.00	
07/10/89 00:05:09	IND DATA	7	507	01	DA	N/A	00:00:03.50	
07/10/89 00:05:16	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:05:19	IND DATA	7	507	03	DA	N/A	00:00:00.80	
07/10/89 00:05:24	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:05:27	IND DATA	7	507	03	DA	N/A	00:00:00.80	
07/10/89 00:05:30	IND DATA	7	507	05	DA	N/A	00:00:00.80	
07/10/89 00:05:33	IND DATA	7	507	03	DA	N/A	00:00:01.40	
07/10/89 00:05:38	IND DATA	7	507	05	DA	N/A	00:00:01.30	
07/10/89 00:05:43	IND DATA	7	507	03	DA	N/A	00:00:00.60	
07/10/89 00:05:46	IND DATA	7	507	05	DA	N/A	00:00:01.30	
07/10/89 00:05:51	IND DATA	7	507	04	DA	N/A	00:00:01.00	
07/10/89 00:05:55	IND DATA	7	507	01	DA	N/A	00:00:01.20	
07/10/89 00:05:59	IND DATA	7	507	04	DA	N/A	00:00:01.60	
07/10/89 00:06:04	IND DATA	7	507	03	DA	N/A	00:00:01.60	
07/10/89 00:06:09	IND DATA	7	507	05	DA	N/A	00:00:01.50	
07/10/89 00:06:14	IND DATA	7	507	03	DA	N/A	00:00:01.50	
07/10/89 00:06:18	IND DATA	7	507	01	DA	N/A	00:00:03.20	
07/10/89 00:06:25	IND DATA	7	507	04	DA	N/A	00:00:00.80	
07/10/89 00:06:28	IND DATA	7	507	03	DA	N/A	00:00:01.00	
07/10/89 00:06:33	IND DATA	7	507	05	DA	N/A	00:00:00.60	
07/10/89 00:06:37	IND DATA	7	507	03	DA	N/A	00:00:01.30	
07/10/89 00:06:43	IND DATA	7	507	01	DA	N/A	00:00:04.20	
07/10/89 00:06:51	IND DATA	7	507	04	DA	N/A	00:00:01.50	
07/10/89 00:06:57	IND DATA	7	507	03	DA	N/A	00:00:01.50	
07/10/89 00:07:00	IND DATA	7	507	01	DA	N/A	00:00:03.60	
07/10/89 00:07:10	IND DATA	7	507	04	DA	N/A	00:00:00.60	
07/10/89 00:07:13	IND DATA	7	507	01	DA	N/A	00:00:03.60	
07/10/89 00:07:22	IND DATA	7	507	04	DA	N/A	00:00:01.50	
07/10/89 00:07:26	IND DATA	7	507	03	DA	N/A	00:00:01.30	
07/10/89 00:07:32	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:07:35	IND DATA	7	507	04	DA	N/A	00:00:00.60	
07/10/89 00:07:39	IND DATA	7	507	01	DA	N/A	00:00:02.30	
07/10/89 00:07:47	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:07:52	IND DATA	7	507	03	DA	N/A	00:00:01.00	
07/10/89 00:07:55	IND DATA	7	507	05	DA	N/A	00:00:01.20	
07/10/89 00:08:00	IND DATA	7	507	03	DA	N/A	00:00:01.00	
07/10/89 00:08:05	IND DATA	7	507	01	DA	N/A	00:00:01.20	
07/10/89 00:08:09	IND DATA	7	507	04	DA	N/A	00:00:01.30	
07/10/89 00:08:13	IND DATA	7	507	03	DA	N/A	00:00:01.40	
07/10/89 00:08:17	IND DATA	7	507	05	DA	N/A	00:00:01.00	
07/10/89 00:08:20	IND DATA	7	507	03	DA	N/A	00:00:01.20	
07/10/89 00:08:25	IND DATA	7	507	05	DA	N/A	00:00:01.60	

Flags: C = console pre-empt, M = missed channel drop, O = duration overflow

ACTIVITY SUMMARY REPORT

GE EDACS TRUNKING SYSTEM Date: 11-JUL-1989
Activity Summary Report

SELECTION CRITERIA:

site number : 1
time period : 07/11/89 00:00:00 - 07/11/89 07:45:00
activity type : ALL ACTIVITY TYPES
caller range : 0 - 16383 (Logical ID)
callee range : 0 - 16383 (Logical ID)
: - (Group ID)
channel range : 1 - 32
call class : VO IC VG DA
queue priority : 0 - 15
duration : 00:00:00.00 - 01:49:00.00
queue delay : 00:00:00.00 - 01:49:00.00

GE 16-Plus Trunking System Date: 11-JUL-1989
Activity Summary Report
for site 01

Activity Type	Total Calls	Total Duration	# Calls Queued	Total Queue Delay
GROUP CALLS	0	00:00:00.00	0	00:00:00.00
EMERGENCY CALLS	0	00:00:00.00	0	00:00:00.00
INDIVIDUAL CALLS	21	00:01:05.80	0	00:00:00.00
SPECIAL CALLS	8	00:02:34.50	0	00:00:00.00
SYSTEM ALL CALLS	0	00:00:00.00	0	00:00:00.00
INDIVID DATA CALLS	22340	08:38:44.20	0	00:00:00.00
ALL ACTIVITY TYPES	22369	08:42:24.50	0	00:00:00.00

CHANNEL STATISTICS REPORT

GE EDACS TRUNKING SYSTEM Date: 12-Jul-1989
Channel Performance Statistics for Site 01 Page: 1
19-Jun-1989

Channel Availability

	1	2	3	4	5	dnlnk
00:00						
	[REPORT REDUCED FOR REPRODUCTION IN MANUAL]					
06:00						
07:00						
08:00	100.0	8.7	99.7	99.6	100.0	100.0
09:00	100.0	98.9	99.1	98.9	99.4	100.0
10:00	100.0	99.3	98.2	98.7	99.0	100.0
11:00	100.0	99.4	98.2	98.6	99.2	100.0
12:00	100.0	99.5	99.4	98.9	99.1	100.0
13:00	100.0	99.4	99.8	99.3	99.3	100.0
14:00	100.0	99.2	99.0	99.3	99.4	100.0
15:00	100.0	99.2	98.5	99.2	99.4	100.0
16:00	100.0	99.3	98.9	99.2	99.4	100.0
17:00	100.0	99.3	98.7	99.2	99.0	100.0
18:00	100.0	99.3	99.3	99.1	99.1	100.0
19:00	100.0	99.2	99.4	99.4	99.1	100.0
20:00	100.0	99.0	99.4	99.1	99.3	100.0
21:00	100.0	99.5	99.3	99.3	99.3	100.0
22:00	100.0	99.0	99.6	99.1	98.7	100.0
23:00	100.0	99.8	99.4	99.3	99.4	100.0

Channel Activity

	1	2	3	4	5	dnlnk
00:00						
	[REPORT REDUCED FOR REPRODUCTION IN MANUAL]					
07:00						
08:00	3.3	34.2	0.0	3.1	3.2	100.0
09:00	0.0	28.7	27.4	28.5	29.3	100.0
10:00	0.0	30.2	28.7	31.9	36.2	100.0
11:00	0.0	30.4	27.2	35.9	32.9	100.0
12:00	0.0	26.6	26.6	30.3	29.3	100.0
13:00	0.0	27.6	28.0	28.5	27.6	100.0
14:00	0.0	29.8	28.8	29.7	30.8	100.0
15:00	0.0	27.0	29.3	27.8	31.2	100.0
16:00	0.0	20.0	23.9	26.2	27.5	100.0
17:00	0.0	32.9	35.5	45.4	42.8	100.0
18:00	0.0	34.2	38.1	40.4	53.3	100.0
19:00	0.0	24.9	29.6	30.5	28.6	100.0
20:00	0.0	26.7	26.6	31.2	31.9	100.0
21:00	0.0	26.4	26.8	29.7	28.9	100.0
22:00	0.0	26.2	26.4	28.0	28.9	100.0
23:00	0.0	26.9	25.4	27.6	29.2	100.0

SITE SATISTICS REPORT

GE EDACS TRUNKING SYSTEM Date: 12-Jul-1989
Site Statistics Report for site 01 Page: 1
19-Jun-1989

	Total Calls	% Calls Valid	% Calls Denied	% Calls Busy	% Calls Queued	% Cnvrt Callee	% Cons Preempt
00:00							
01:00							
02:00							
03:00							
04:00							
05:00							
06:00							
07:00							
08:00	394	99.2	0.0	0.5	0.3	0.0	0.0
09:00	3296	99.9	0.0	0.1	0.0	0.0	0.0
10:00	3292	99.6	0.0	0.3	0.1	0.0	0.0
11:00	3349	99.6	0.0	0.3	0.1	0.0	0.0
12:00	3287	100.0	0.0	0.0	0.0	0.0	0.0
13:00	3380	99.9	0.0	0.1	0.0	0.0	0.0
14:00	3316	99.4	0.0	0.3	0.0	0.0	0.2
15:00	3269	100.0	0.0	0.0	0.0	0.0	0.0
16:00	2075	99.5	0.0	0.4	0.1	0.0	0.0
17:00	3050	99.4	0.1	0.4	0.2	0.0	0.0
18:00	2885	99.2	0.0	0.6	0.2	0.0	0.0
19:00	3043	100.0	0.0	0.0	0.0	0.0	0.0
20:00	3098	99.9	0.0	0.0	0.0	0.0	0.0
21:00	3175	100.0	0.0	0.0	0.0	0.0	0.0
22:00	3141	100.0	0.0	0.0	0.0	0.0	0.0
23:00	3176	100.0	0.0	0.0	0.0	0.0	0.0
Total	47226	99.76	0.00	0.17	0.05	0.00	0.01

Maximum Call Duration : 268.9 seconds
Average Call Duration : 1.4 seconds

Maximum Queue Depth : 1
Average Queue Depth : 1
Maximum Queue Delay : 6.6 seconds
Average Queue Delay : 0.7 seconds

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