

If you are an IBM mainframe CICS programmer or database administrator you can now Edit Data Yourself with

Fast-EDY



IBM mainframe CICS data utility software that lets you get at CICS defined VSAM and DL1 file data – *FAST*.

F A S T - E D Y

U S E R G U I D E

RELEASE 2.4

FOR PRODUCT TRIAL USE ONLY

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This edition applies to Release 2, version 4, of the program product Fast-EDY, and to all subsequent releases and modifications until otherwise indicated in new editions.

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INTRODUCTION

Fast-EDY is a CICS file utility program that allows for quick and easy access to VSAM, DL/I or IMS type datasets defined to CICS. This product was designed to be used by CICS programmers as a CICS development and debugging aid. Any CICS file command, or DL/I or IMS database function can be performed. A full screen record dump in character and hexadecimal provides for complete data display. Full screen editing allows for complete record update capability.

The product is multi-functional and its uses are varied. This release of the product includes:

- o two record display formats (hex/character horizontal and character/hex vertical)
- o perform all CICS file commands
- o perform all DL/I functions
- o full screen record edit and update capability
- o file browse display (16 records per screen) with record selection
- o VSAM and DL/I commands to search file for specified character or hexadecimal string (also includes conditions for not equal, greater than, and less than string searches)
- o create and modify test data easily
- o transfer data from one file to another
- o transfer data from VSAM to DL/I and DL/I to VSAM
- o generates audit trail when record changes are performed
- o DL/I utility allows for 3 SSAs per screen (max of 9), up to 50 PCBs, path calls, and relational operators of EQ, GT, LT, and NE
- o HELP screens available
- o Change the length of variable length VSAM records

INSTALLATION

=====

PRODUCT SOURCE INSTALL:

Fast-EDY is available for download from www.eifrid.com. The product is distributed in program source code. The software contains eight files. Each file contains one program. The first record of each file contains the program name.

The product is made up of one main CICS COBOL program and seven CICS BMS macro programs. Each program will need to be put into your program source library and compiled into your systems's executable load library, according to your shop standards. Remember to compile the BMS macro programs before compiling the COBOL program.

If level E errors occur when compiling the COBOL program, check the map COPY statements (ie. "01 DIT001SI COPY DIT001M") and modify the statements according to your compiler's COPY statement syntax to resolve the error.

=====

AUDIT TRAIL INFORMATION:

Whenever a CICS WRITE, REWRITE, or DELETE is performed, the contents of the record effected along with other identifying information, is written out to the transient data queue CSSL, with the following command:

```
EXEC CICS WRITEQ TD
      QUEUE      (TDQUEUE)
      FROM       (record data area)
      LENGTH    (80)
      END-EXEC
```

The record is broken into 80 byte segments and written to the CSSL. An example of a list of the audit trail follows:

```
ESD FAST-EDY BEFORE DATE=1991001,TIME=120000
OPID=xxx,TERMID=xxxx,TRNID=xxxx,FILE=xxxxxxxx,COMMAND=REWRITE
PCB=.....
RECORD IMAGE:
xxxxxxxxxxxxxxxxxxxxxx(first 80 bytes of record)xxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxx(next 80 bytes, etc.)xxxxxxxxxxxxxxxxxxxxxx
```

=====

(Installation continued on next page)

INSTALLATION (continued)

CICS table entries:

PPT - Processing Program Table

```
DITM0100 DFHPPT TYPE=ENTRY,PROGRAM=DITM0100,PGMLANG=COBOL
DIT001M DFHPPT TYPE=ENTRY,PROGRAM=DIT001M,PGMLANG=ASSEMBLER
DIT002B DFHPPT TYPE=ENTRY,PROGRAM=DIT002B,PGMLANG=ASSEMBLER
DIT002M DFHPPT TYPE=ENTRY,PROGRAM=DIT002M,PGMLANG=ASSEMBLER
DIT002N DFHPPT TYPE=ENTRY,PROGRAM=DIT002N,PGMLANG=ASSEMBLER
DIT003M DFHPPT TYPE=ENTRY,PROGRAM=DIT003M,PGMLANG=ASSEMBLER
DIT003N DFHPPT TYPE=ENTRY,PROGRAM=DIT003N,PGMLANG=ASSEMBLER
DIT004M DFHPPT TYPE=ENTRY,PROGRAM=DIT004M,PGMLANG=ASSEMBLER
```

PCT - Program Control Table

```
EDDY      DFHPCT TYPE=ENTRY,PROGRAM=DITM0100,TRANSID=EDDY,      X
           TRNSTAT=ENABLE
```

(Other valid transaction codes are DEMO and DITO)

ACT - Application Control Table (for DOS/VSE with DL/I)

```
DLZACT TYPE=PROGRAM,PGMNAME=DITM0100,PSBNAME=(name,name,..)
```

GETTING STARTED

After having signed on to CICS according to your installation standards, clear the screen and type "EDDY". The Fast-EDY main menu will display. This menu lists the options of utilities available to you.

```
----- ** F A S T - E D Y ** -----  
                                DEMO      2.4  
                                DEVELOPED BY  
                                Eifrid Systems Development  
  
SELECT OPTIONS ==> █  
  
    1 = VSAM UTILITY  
    2 = DL/I UTILITY  
    3 = BMS MAP DISPLAY  
  
PRESS ENTER AFTER SELECTION  
PRESS PF3 OR PF15 TO END SESSION
```

SELECT OPTION ==> Key in the number of the utility that is to be performed and press the ENTER key.

Function Keys:

ENTER Press after keying in desired option.
PF3/15 or CLEAR End FAST-EDY and return to CICS.

INPUT FIELD DESCRIPTION

DATASET ==> Enter the name (1-8) of the dataset to be accessed.
Use the dataset name as defined to CICS in the FCT.

COMMAND ==> Enter any valid CICS file control command. The file
must be defined in the FCT to allow for the desired
access.
Valid CICS commands are; *READ *READNEXT *READPREV
 WRITE REWRITE DELETE
 *STARTBR *ENDBR
 READUPDT UNLOCK
Fast-EDY commands are; *FIND *BROWSE CHANGERL

* indicates valid read-only commands

(command abbrev: R, RN, RP, W, REW, F, BR, CRL, RU)

All of the above commands will perform the corresponding CICS command as described in CICS Command Level programming manuals, except for the following special commands:

READUPDT, FIND, BROWSE, CHANGERL

READUPDT is the command to use when performing a Read for update. This command will perform the CICS READ command with the UPDATE parameter, thereby locking the record from access by other users until the REWRITE is performed.

FIND is a Fast-EDY command. This command performs a file search for a specified string of data. See "File Search" described under the VALUE field definition for specifying the desired data string.

BROWSE is a Fast-EDY command. Use of this command will provide you with a file browse screen, displaying up to 16 records on one screen. PF keys allow you to shift the browse display up, down, left, and right. You may select a record for full screen hex/character display by entering an S next to the desired record.

CHANGERL is a Fast-EDY command. With this command you can modify the record length of the currently displayed record, given that the file is defined to allow variable length records. Simply enter this command and the desired length in the LRECL field. The CRL command will automatically perform the following:

1. READ for UPDATE on currently displayed record
2. Save contents of record in a holding area
3. DELETE the record
4. WRITE the record from holding area with new LRECL

INPUT FIELD	DESCRIPTION
-------------	-------------

COMMAND (cont'd)

STARTBR and ENDBR commands are usually not required, since Fast-EDY will automatically perform these commands when necessary.

REWRITE can be performed without a previous READUPDT. Caution should be taken when modifying a record without first performing a READUPDT due to the fact that if the record is not locked for update, another user may modify the same record during your modifying process, thereby giving unpredictable results when you attempt to REWRITE the same record.

When the REWRITE command is performed, the following is done by Fast-EDY:

1. The screen(s) contents are saved into a holding area.
2. A CICS READ for UPDATE is performed on the current record.
3. The record area is overlaid with the modified record contents saved in the holding area.
4. A CICS REWRITE is performed using the current record key.

LRECL ==> Enter the maximum record length of the dataset being accessed. This field is optional. Fast-EDY will return the correct record length in this field automatically. Maximum LRECL can be 20,000.

VALUE ==> This field is used to specify one of the following:

- o The literal key of the record in the file on which the COMMAND is to be executed. (KSDS, ISAM)
- o To point to the area in the record display that is the literal key of the record in the file on which the COMMAND is to be executed. (KSDS, ISAM)
- o To identify the RBA number of an ESDS dataset, or the RRN number of an RRDS dataset.
- o File search for character or hexadecimal string (used in conjunction with the FIND command).

INPUT FIELD DESCRIPTION

VALUE (cont'd)

KSDS (VSAM) and ISAM datasets

Enter the key of the record to be accessed.
Maximum length of the key value specified in this
field is 60. Use for character only keys.

example: VALUE ==> 00000001ABC

If the key contains packed or binary data, or is longer
than 60 bytes, you can use the KEY= parameter in this
field to access such records. See KEY=p,l Option below.

KEY=p,l Option

If the value of the key you need to specify is more
than 60 positions, or contains packed, binary, or
hexadecimal data, you may use the KEY= option to
specify where the value is, in the record display
area.

This option is required when the WRITE command is
performed.

This option has the following format:

KEY=p,l

where: p is the starting position in the displayed
record area containing the value of the
desired key, and
l is the length of the data string to be used
for the key.

After entering the KEY= parameter in the VALUE field, you
may move your cursor down into the area of the screen that
is the designated starting position, and enter the value
of the key of the desired record. You can enter the key
value into the hex or character sides of the screen.

INPUT FIELD DESCRIPTION

VALUE (cont'd)

The following example will get the value of the key for the given command from position 1 for a length of 10 bytes, from the record display area.

VALUE ==> KEY=1,10

ESDS (VSAM - RBA) dataset

When accessing an Entry Sequenced dataset, you must specify the following:

RBA=nnnn

where: nnnn is the relative byte address of the desired record in the file.

example: VALUE ==> RBA=1050

RRDS (VSAM - RRN) dataset

When accessing a Relative Record dataset, you must specify the following:

RRN=nnnn

where: nnnn is the relative record number of the desired record in the file.

example: VALUE ==> RRN=45

INPUT FIELD DESCRIPTION

VALUE (cont'd)

File Search

A file search is performed with the FIND command. You may search a dataset for a character, or hexadecimal, string of data. You may also perform a conditional file search using Equal, Not Equal, Greater Than, or Less Than conditions.

The file search has the following format:

aa'....character string....',x,y,z

or

aa"....hexadecimal string..",x,y,z

where: aa is the conditional qualifier (EQ,NE,GT,LT)
 ' identifies a character string search
 " identifies a hexadecimal string search
 x is the position in the record to start
 the search
 y is the length of the search area in the
 record
 z specifies a pause to occur after z number
 of records read. (default is 10,000)

Note: aa is optional, if not used the default is EQ.
 x,y,z are optional, but should be used when
 possible to optimize the search time. If
 x,y,z are not used, the entire record is
 searched for the string.

The file is sequentially searched for the specified string, with the exception of searching a ESDS or RRDS dataset where the starting record number is required. With each depression of the ENTER key, the next record that satisfies the string search is displayed. The record key is displayed in the VALUE field.

For KSDS datasets, the search will begin at the key of the last successful READ. This allows you to begin a search anywhere within the current dataset. To begin a search at the very beginning of the dataset, perform a STARTBR or READNEXT with low-values in the VALUE field (done by use of the "Erase to End-Of-Field" key).

VALUE (cont'd)

If you have already initiated a file search operation, you may begin a search for a new string, starting at the current record displayed in the file by entering the new string parameters in the VALUE field.

To terminate the file search operation, enter any command other than a FIND in the COMMAND field.

FILE SEARCH EXAMPLES OF USE:

This example is a total record, total file search for a character string equal to EIFRID SYSTEMS.

VALUE ==> 'EIFRID SYSTEMS'

This example will perform a character string search equal to EIFRID SYSTEMS, starting in position 10 through the end of the record.

VALUE ==> 'EIFRID SYSTEMS',10

This example will search for a character string that is greater than 0000, starting in position 10 and search the next 4 positions. A pause will occur in the search for every 1000 records read.

VALUE ==> GT'0000',10,4,1000

This example will search a RRDS dataset starting with the relative record number 100 through the end of the file. The search for EIFRID SYSTEMS will start in position 10 and search the next 30 positions of each record.

VALUE ==> RRN=100'EIFRID SYSTEMS',10,30

This example will search for a hexadecimal string that is not equal to 000C, starting in position 250 and search the next 2 positions (bytes).

VALUE ==> NE"000C",250,2

Function Keys used in the VSAM utility:

ENTER	All command input is performed by pressing the ENTER key.
CLEAR	Return to main menu
PF3 or PF15	Return to main menu
PF5	Display the HELP screen
PF7 or PF19	Shift display up one page
PF8 or PF20	Shift display down one page
PF10	Alternate the record dump format display
PF11 or PF22	Shift display left fifty positions
PF12 or PF23	Shift display right fifty positions

VSAM EXAMPLE: CICS BROWSE
 _____ (Commands used are; READNEXT)

The screen below is showing the minimum input (underlined) required to initiate a CICS browse (READNEXT) into the dataset VENDMAST.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST
COMMAND ==> READNEXT
LRECL   ==>
VALUE   ==>
. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

After pressing ENTER, the following screen would be displayed. The record displayed would typically be the first record in the dataset.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST                                READNEXT SUCCESSFUL
COMMAND ==> READNEXT
LRECL   ==> 0130
VALUE   ==> 0000001
. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140  ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1  REAL              CARPINTERIA
40404040404040404040404040C3C1F9F3F0F1F30000000C   CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00  .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  ....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  #####
//                                                    \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

NOTE: Fast-EDY automatically performs the STARTBR for READNEXT commands.

VSAM EXAMPLE: Modify a VSAM record
 (Commands used are; READUPDT and REWRITE)

By changing the command field to READUPDT and pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          READ FOR UPDATE SUCCESSFUL
COMMAND ==> READUPDT
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
40404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFF.....#####
//                                     \
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

To update the record just read and displayed on the current screen, simply enter REWRITE in the COMMAND field and make the desired changes within the data display portion of the screen.

In this example, we are changing EIFRID SYSTEMS DEVELOPMENT to ESD. The desired new data is keyed directly into the record display. You can make changes to both the character and hex data simultaneously.

After entering the underlined data onto the screen and pressing the ENTER key, the following screen would be returned to you and the record would have been updated accordingly.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          REWRITE SUCCESSFUL
COMMAND ==> REWRITE
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F0F1C5E2C440404040404040404040404040 0000001ESD
4040404040404040404040404040F6F7F0F940E240E5C9C140          6709 S VIA
D9C5C1D340404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
40404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFF.....#####
//                                     \
  
```

VSAM EXAMPLE: CREATE A NEW RECORD
 _____ (Commands used are; READ and WRITE)

It is usually easiest to first display an existing record that most closely resembles that of the record you want to create (such as record length, or data content). You can use READ, READNEXT, or READPREV commands to get a record. Then edit the hex and/or character data on the screen to the desired key and data format for the new record. When the new record key and data has been entered, enter WRITE in the COMMAND field.

You can actually copy a record from one dataset to another by performing a READ on dataset-A, then change the DATASET field to dataset-B and the COMMAND field to WRITE.

* The KEY= option is required in the VALUE field when performing a WRITE command. See VALUE input field description on KEY=p,l Option for details.

This example shows copying a record from one dataset to another. First, the record from the VENDMAST production dataset is read. After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          READ SUCCESSFUL
COMMAND ==> READ
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
40404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
//                                                    \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

VSAM EXAMPLE: CREATE A NEW RECORD
 _____ (continued)

Next, to copy the record into the test dataset, VENDTEST is entered in the DATASET field, WRITE is entered in the COMMAND field, and the KEY= parameters are entered in the VALUE field. The KEY= option is required in the VALUE field when performing a WRITE command. See VALUE input field description on 'KEY=p,l Option' for details.

After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY -----
DATASET ==> VENDTEST          WRITE SUCCESSFUL
COMMAND ==> WRITE
LRECL   ==> 0130
VALUE   ==> KEY=1,7

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
4040404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
//                                                    \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

Please note that the write was successful, but that the data remains displayed on the screen. Fast-EDY retains the record displayed on the screen in its own buffer. You could continue to write out new records by simply changing the key data in the record display and performing another WRITE command.

VSAM EXAMPLE: CHANGE LENGTH OF A VARIABLE LENGTH RECORD
 (Commands used are; READ and CHANGERL)

To change the length of a variable length record, the desired record must first be read and displayed on the screen. This can be done by performing a READ, READNEXT, or READPREV command. When the record is displayed, enter CHANGERL (or CRL) in the COMMAND field and enter the new record length in the LRECL field. The CHANGERL command will automatically perform a READ for UPDATE, DELETE the record, and WRITE the same record with the new LRECL length.

This example shows changing the vendor record from a length of 130 to a length of 100.

First we entered READ in the COMMAND field, and put the key of the desired record in the VALUE field.

After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          READ SUCCESSFUL
COMMAND ==> READ
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E340404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D340404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
404040404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C0000000C00
.....#####
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
//                                                                    \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```


VSAM EXAMPLE: CHANGE LENGTH OF A VARIABLE LENGTH RECORD
 (continued)

Now, enter CHANGERL in the COMMAND field and enter the desired new record length in the LRECL field (in this case 100)

After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          LRECL CHANGE SUCCESSFUL
COMMAND ==> CHANGERL
LRECL   ==> 0100
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
4040404040404040404040404040C3C1F9F3F0F1F30000000C CA93013....
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
//                                                    \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

Notice, since the new LRECL is shorter than the old record length, the record was truncated to the new record length. If the new record length is longer than the old, the added bytes will be filled with high values. If the new record length is shorter, the data will be truncated accordingly.

VSAM EXAMPLE: Fast-EDY BROWSE
 _____ (Commands used are; BROWSE)

The screen below is showing the minimum input required for activating the Fast-EDY BROWSE file display function. The BROWSE display will begin with the current record pointer.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST
COMMAND ==> BROWSE
LRECL   ==>
VALUE   ==>
. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
//                                             \\
  
```

After pressing ENTER, the following screen would be displayed.

```

FAST-EDY BROWSE ----- VSAM UTILITY ----- POSITIONS 0001 TO 0050
DATASET ==> VENDMAST
COMMAND ==> BROWSE
LRECL   ==> 0130
VALUE   ==> 0000001

  LRECL KEY          .....+.....1.....+.....2.....+.....3.....+.....4.....+.....5
  █ 0130 0000001    0000001EIFRID SYSTEMS DEVELOPMENT      6709 S VIA REA
  █ 0130 0001234    0001234Herb Nature Farm                    1313 Foxtail A
  █ 0130 0022546    0022546WALLEN CONSTRUCTION                988 Brick Stre
  █ 0130 0023781    0023781ABC COMPANY                                    123 1st Street
  █ 0130 0035667    0035667John Smith, Inc.                                5555 Jones Roa
  █ 0130 0035670    0035670Prehistoric Society                          12 Mastodon Wa
  █ 0130 0039001    0039001Lily's Studio                                       411 Winsor-New
  █ 0130 0045442    0045442Fogerty Tables & Chairs                            96611 Leg Ave
  █ 0130 0055337    0055337CCS Inc.                                           1 Computer Way
  █ 0130 0084321    0084321May's New & Used Cars                               711 BROW
  █ 0130 0087923    0087923Pacific Screens                                    1000 Joshua St
  █ 0130 0095221    0095221Central Coast Computers                          89 NW FIFTH
  █ 0130 0099900    0099900The Hartford Press                               435 Courier Ro
  █ 0130 0100877    0100877Adam's Rib                                         1 Eden Hill Ro
  █ 0130 0101467    0101467Eve's Apple Farm                                  2 Eden Hill Ro
  █ 0130 0102585    0102585Paradise Travel                                   175 Court
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

Fast-EDY displays up to 16 records per screen. You can continue browsing forward through the dataset by pressing the ENTER key, or you can position the display up (backward), down (forward), right (shift right), or left (shift left) by using the appropriate function keys that are designated at the bottom of the screen.

VSAM EXAMPLE: Fast-EDY BROWSE
(continued)

You may select a record from the file browse display screen to be placed into full screen edit display format by entering an S on the line of the desired record.

In this example we are selecting the first record on the screen to be read into the full screen edit format.

```
FAST-EDY BROWSE ----- VSAM UTILITY ----- POSITIONS 0001 TO 0050
DATASET ==> VENDMAST
COMMAND ==> BROWSE
LRECL   ==> 0130
VALUE   ==> 0000001

  LRECL KEY          .....+....1.....+....2.....+....3.....+....4.....+....5
S 0130 0000001      0000001EIFRID SYSTEMS DEVELOPMENT      6709 S VIA REA
  0130 0001234      0001234Herb Nature Farm                    1313 Foxtail A
  0130 0022546      0022546WALLEN CONSTRUCTION                988 Brick Stre
  0130 0023781      0023781ABC COMPANY                                  123 1st Street
//                                     \\
  0130 0100877      0100877Adam's Rib                          1 Eden Hill Ro
  0130 0101467      0101467Eve's Apple Farm`                       2 Eden Hill Ro
  0130 0102585      0102585Paradise Travel                       175 Court
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
```

After pressing ENTER, the following screen would be displayed.

```
----- VSAM UTILITY ----- POSITION 0001 TO 0130
DATASET ==> VENDMAST
COMMAND ==> READ
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....+....1.....+....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT      6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL      CARPINTERIA
4040404040404040404040404040C3C1F9F3F0F1F30000000C CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
//                                     \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
```

VSAM EXAMPLE: Fast-EDY FIND
 _____ (example #1)

The FIND command allows you to search the current dataset for a string of data. The data string is specified in the VALUE field. You can search for a data string by starting and ending the character string with a single quote ('), or a hexadecimal string with the double quote (") mark. See "File Search" under the VALUE field definition in the VSAM section of the User Guide.

In the example below, we are searching for the characters 93013.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST
COMMAND ==> FIND
LRECL   ==> 0130
VALUE   ==> '93013'

. . . + . . . 1 . . . + . . . 2 . . . + .....1.....2.....+
//                                                    \\
  
```

After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY ----- POSITION 0001 TO 0130
DATASET ==> VENDMAST          STRING FOUND:
COMMAND ==> FIND              '93013'
LRECL   ==> 0130
VALUE   ==> 0000001

. . . + . . . 1 . . . + . . . 2 . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1  REAL          CARPINTERIA
4040404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
//                                                    \\
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

Fast-EDY will sequentially search the dataset for the data string and display the next record that satisfies the search criteria, and pause for a response. The line that contains the data string is **highlighted**. The VALUE field is replaced with the key of each record that the data string is found in. Just press the ENTER key to continue the search.

VSAM EXAMPLE: Fast-EDY FIND
 _____ (example #2)

The last example searched the entire record for the data string. In this example, we are narrowing the search to a specific location in each record. You can reduce the search time by giving starting position and length of search area. You can also isolate the search area to avoid unwanted data string matches.

In the example below, we are again searching for the characters 93013, which happens to be a zip code. The zip code begins in position 92 and has a length of 5. We also want to pause the search every 1,000 records in order to allow us to break out of the search without waiting for the default 10,000 records or end-of-file. The EQ before the '93013' is not required since EQ is the default, but is there to show you the use of the operator parameter.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST
COMMAND ==> FIND
LRECL   ==> 0130
VALUE   ==> EQ'93013',92,5,1000

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
//                                           \\
  
```

After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY ----- POSITION 0001 TO 0130
DATASET ==> VENDMAST          STRING FOUND:
COMMAND ==> FIND              EQ'93013',92,5,1000
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
4040404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
PF: 3/15=MENU, 5=HELP, 7/19=UP, 8/20=DN, 10=FORMAT, 11/22=LEFT, 12/23=RIGHT
  
```

VSAM EXAMPLE: Fast-EDY FIND
 _____ (example #3)

You can start a file search at any record in the dataset. This may be done to bypass a section of the dataset, or to cut the search time on a particularly large dataset. To start the file search at a specific record, you need to perform a READ to the record. Then you can perform the FIND command to begin the search.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST
COMMAND ==> READ
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
//                                           \\
  
```

After pressing ENTER, the following screen would be displayed.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          READ SUCCESSFUL
COMMAND ==> READ
LRECL   ==> 0130
VALUE   ==> 0000001

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT          6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL          CARPINTERIA
4040404040404040404040404040C3C1F9F3F0F1F30000000C          CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFF.....#####
//                                           \\
  
```

After the READ, the FIND command will begin with the current record.

```

----- VSAM UTILITY -----
DATASET ==> VENDMAST          READ SUCCESSFUL
COMMAND ==> FIND
LRECL   ==> 0130
VALUE   ==> '93013'

. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
//                                           \\
  
```

DL/I UTILITY

Virtually any CICS DL/I (IMS) function can be performed. Fast-EDY will provide you with all exceptional conditions that may occur during execution of your DL/I call. All successful calls are also indicated for your verification and all PCB feedback information is displayed for complete call diagnosis.

The body of the screen contains the data displayed in character and hexadecimal. You may make hexadecimal and character changes to the data simultaneously. Up to 400 bytes of data are displayed. If the record is longer than 400, you can page forward and backward through the record for total access.

To first begin access, you must key in the PSB name and press PF1 to schedule the PSB.

All DL/I functions are available to you as well as a valuable FIND function that allows for character or hexadecimal string searches of the database.

```
----- DL/I UTILITY -----
PSB _____ PCB _____ FUNCTION _____
SSA 1  SEG _____ C KEY _____ RO _____ VALUE _____ L
SSA 2  SEG _____ C KEY _____ RO _____ VALUE _____ L
SSA 3  SEG _____ C KEY _____ RO _____ VALUE _____ L
DBD _____ SEG LVL _ STAT CODE _ SEG NAME _____ SENS SEG _ KEY LEN _
. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+

PF3/15=term, PF5=help, PF9=keyfb, PF8/20=pg fwd, PF7/19=pg bwd, PF10=format
```

You may alternate the data display format from a horizontal (hex-char) display to a vertical (char/hex) display by use of the PF10 key. The vertical dump displays 300 bytes on a screen.

INPUT FIELD	DESCRIPTION
PSB	Enter the PSB name assigned in the DBD generation. This field is required to schedule the PSB (use PF1) before any access functions can be performed.
PCB	Enter the relative number of the desired PCB within the scheduled PSB. Use this field when multiple PCBs are defined in the PSB. Maximum relative number is 50. The default is 01.
FUNCTION	Enter any valid CICS DL/I function. GU for Get Unique GN for Get Next GNP for Get Next within Parent GHU for Get Hold Unique for update GHN for Get Hold Next for update GHNP for Get Hold Next within Parent for update ISRT for Insert new segment at current position REPL for Replace segment at current position DLET for Delete segment at current position FIND for file search for specified string (Fast-EDY)
SSA	You can specify up to three SSAs per screen. The first screen will display SSA numbers 1-3. Use the PF6 key to increment the SSA numbers to 4-6 and 7-9.
SEG	Enter the name of the segment to be accessed as defined in the Data Base Definition (DBD) generation.
C	This field is available for the Command Code when a Path call is desired. Command Codes allowed in this product are D, F, or L.
KEY	Enter the name of the key field associated with the segment as defined in the DBD.
RO	Relational Operator (1-2)

OPERATOR	MEANING
= or EQ	equal to
≠ or NE	not equal to
=>	equal to or greater than
=<	equal to or less than
> or GT	greater than
< or LT	less than

INPUT
FIELD

DESCRIPTION

VALUE

This field is used to specify one of the following:

- o Key value of the record in the file on which the FUNCTION is to be executed.
- o Specify the string for a file search (only used with the FIND function).

Enter the key of the record to be accessed.
Maximum length of the key value specified in this field is 26. You can specify a key length up to 150 by using the "KEY=" option (see KEY= Option below).

KEY=p,l Option

If the value of the key you need to specify is more than 26 positions, or contains packed, binary, or hexadecimal data, you may use the KEY= option to specify where the value is, in the record display area.

This option has the following format:

KEY=p,l

where: p is the starting position in the displayed record area containing the value of the desired key, and
l is the length of the data string to be used for the key.

The following example will get the value of the key for the given function, from position 1 for a length of 10 bytes, from the record display area.

VALUE ==> KEY=1,10

INPUT FIELD	DESCRIPTION
----------------	-------------

VALUE (cont'd)

File Search

A file search is performed with the FIND function. You may search a dataset for a character, or hexadecimal, string of data. You may also perform a conditional file search using Equal, Not Equal, Greater Than, or Less Than conditions.

The file search has the following format:

aa'....character string....',x,y,z

or

aa"....hexadecimal string..",x,y,z

where: aa is the conditional qualifier (EQ,NE,GT,LT)
' identifies a character string search
" identifies a hexadecimal string search
x is the position in the record to start the search
y is the length of the search area in the record
z specifies a pause to occur after z number of records read. (default is 10,000)

Note: aa is optional; if not used the default is EQ.
x,y,z are optional, but should be used when possible to optimize the search time. If x,y,z are not used, the entire record is searched for the string.

The entire file is sequentially searched for the specified string. With each depression of the ENTER key, the next record that satisfies the string search is displayed.

If you have already initiated a file search operation, you may begin a search for a new string, starting at the current displayed record in the file by entering the new string parameters in the VALUE field.

To terminate the file search operation, enter any function other than a FIND in the FUNCTION field.

INPUT FIELD	DESCRIPTION
----------------	-------------

VALUE (cont'd)

FILE SEARCH EXAMPLES OF USE:

This example is a total record, total file search for a character string equal to EIFRID SYSTEMS.

VALUE ==> 'EIFRID SYSTEMS'

This example will perform a character string search equal to EIFRID SYSTEMS, starting in position 10 through the end of the record.

VALUE ==> 'EIFRID SYSTEMS',10

This example will search for a character string that is greater than 0000, starting in position 10 and search the next 4 positions. A pause will occur in the search for every 1000 records read.

VALUE ==> GT'0000',10,4,1000

This example will search for a hexadecimal string that is not equal to 000C, starting in position 250 and search the next 2 positions (bytes).

VALUE ==> NE"000C",250,2

L Enter the length of the key field as defined in the DBD. This field is required when specifying a qualified SSA with a KEY field. Maximum length is 99.

Function Keys used in the DL/I (IMS) utility:

ENTER	All command input is performed by pressing the ENTER key.
CLEAR	Terminate the PSB and return to main menu
PF1	Schedule the PSB
PF3 or PF15	Terminate the PSB on first use of PF3/15, return to main menu on second succeeding use of Pf3/15
PF4 or PF17	Display the current active SSA call list
PF5	Display the HELP screen
PF6	Increment and display the next 3 SSA numbers
PF7 or PF19	Page backward through the record
PF8 or PF20	Page forward through the record
PF9	Display the Key Feedback screen
PF10	Alternate the record dump format display

DL/I EXAMPLE #1 (scheduling a PSB using PF1)

The following is an example of scheduling a PSB.

By keying the highlighted data into the PSB input field, as in this example, the specified PSB will be scheduled when the PF1 key is pressed. The following screen would be displayed.

IS NOW SCHEDULED				DL/I UTILITY			
PSB	<u>VENDMAST</u>	PCB	FUNCTION	PROCOPT=AP			
SSA 1	SEG		C KEY	RO	VALUE		L
SSA 2	SEG		C KEY	RO	VALUE		L
SSA 3	SEG		C KEY	RO	VALUE		L
DEB		SEG LVL	STAT CODE	SEG NAME		SENS SEG	KEY LEN
. . . .	+	1	+	2
						1.....2.....
//							\\

DL/I EXAMPLE #2 (GHU & REPL)

The following is an example of displaying a specific DL/I segment using GHU function and changing the segment data for REPLacement back into the database.

By keying the underlined data into the input fields, as in this example, a qualified GHU call would be performed when the ENTER key is pressed. The following screen would be displayed.

```

IS NOW SCHEDULED ----- DL/I UTILITY -----
PSB VENDMAST PCB 01 FUNCTION GHU PROCOPT=AP
SSA 1 SEG VENAME C KEY VENUMBER RO EQ VALUE 0000001 L 07
SSA 2 SEG C KEY RO VALUE L
SSA 3 SEG C KEY RO VALUE L
DBD VENDORDB SEG LVL 02 STAT CODE SEG NAME VENAME SENS SEG 03 KEY LEN 07
. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5C9C6D9C9C440E2E8E2E3C5D4E240C4C5E5 0000001EIFRID SYSTEMS DEV
C5D3D6D7D4C5D5E3404040404040F6F7F0F940E240E5C9C140 ELOPMENT 6709 S VIA
D9C5C1D3404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL CARPINTERIA
40404040404040404040404040C3C1F9F3F0F1F30000000C CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
// \\
  
```

By keying the highlighted data into the input fields, as in this example, a qualified REPL call would be performed when the ENTER key is pressed. In this case we have changed EIFRID SYSTEMS DEVELOPMENT to ESD.

```

IS NOW SCHEDULED ----- DL/I UTILITY ----- REPLACE SUCCESSFUL
PSB VENDMAST PCB 01 FUNCTION REPL PROCOPT=AP
SSA 1 SEG VENAME C KEY VENUMBER RO = VALUE 0000001 L 07
SSA 2 SEG C KEY RO VALUE L
SSA 3 SEG C KEY RO VALUE L
DBD VENDORDB SEG LVL 02 STAT CODE SEG NAME VENAME SENS SEG 03 KEY LEN 07
. . . . + . . . . 1 . . . . + . . . . 2 . . . . + .....1.....2.....+
F0F0F0F0F0F0F1C5E2C44040404040404040404040404040 0000001ESD
4040404040404040404040404040F6F7F0F940E240E5C9C140 6709 S VIA
D9C5C1D340404040404040404040C3C1D9D7C9D5E3C5D9C9C1 REAL CARPINTERIA
40404040404040404040404040C3C1F9F3F0F1F30000000C CA93013....
0000000C0000000C0000000C0000000C0000000C0000000C00 .....
00000C000CFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF .....#####
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF #####
// \\
  
```


BMS MAP DISPLAY

This utility allows display of cataloged BMS-generated maps defined to CICS in the PPT.

MAPSET: [REDACTED]	FAST-EDY MAP	FOR BMS MAP DISPLAY TEST,
MAP: [REDACTED]		ENTER MAPSET AND MAP NAMES.
		END TASK PRESS PF3 OR PF15.

INPUT FIELD	DESCRIPTION
MAPSET:	Enter the mapset name (1-7) as defined to CICS in the PPT. (required)
MAP:	Enter the map name (1-7) as assembled to BMS in the DFHMDI macro. (required)

Function Keys

ENTER	All activity is performed with this key. The 1st press of ENTER will display map requested The 2nd press of ENTER will display all I/o fields The 3rd press of ENTER will return to BMS utility
PF3 or PF15	End BMS utility and return to main menu.
CLEAR	End BMS utility and return to main menu.

MESSAGES

All messages found in this section are related to specific Fast-EDY activity and are not found in any IBM reference manual. All CICS exception condition messages are displayed as they would appear in the IBM CICS reference manuals. Use the IBM manuals for further interpretation of those messages.

ABEND AT FAST-EDY ABNORMAL TERMINATION

This message displays when Fast-EDY has encountered a problem that it cannot handle properly. If this occurs copy the message down and contact Eifrid Systems Development immediately.

AUTO ENDBR

This message displays when a non-browse (READ,WRITE,DELETE) command was entered after a file browse (STARTBR,READNEXT) was initiated. Fast-EDY automatically issues an ENDBR when a file browse is terminated by a non-browse command.

AUTO STARTBR

This message displays when a READNEXT or READPREV file browse command is entered without a prior STARTBR command. Fast-EDY automatically issues a STARTBR when a file browse is initiated by a READNEXT or READPREV command.

BEGIN OF RECORD DISPLAY

This message displays when paging backward through the current record and encountering the beginning of the record.

CALL WAS UNSUCCESSFUL

The DL/I call entered was not completed successfully. The return code is displayed in the STAT CODE field.

CHECK RECORD LENGTH

This message displays when the LRECL field entered does not agree with the record length of the record just read. The correct record length is returned in the LRECL field.

COMMAND CODE NOT D,F, OR L - IGNORED

Command codes D, F, and L are the only path calls allowed in this product. The code entered is erased and the call is performed without any command.

DATA CHECK

A CICS abend code of ASRA was detected. A probable cause is a space or non-numeric character was entered into a numeric-only field.

D261 - PCB?

A CICS DL/I abend code of D261 was detected. A probable cause is a PCB number was entered that is not defined in the PSB generation.

DELETE SUCCESSFUL

DELETE command or function was processed successfully.

END OF RECORD DISPLAY

This message displays when paging forward beyond the end of the current record being displayed.

ENDBR SUCCESSFUL

ENDBR command was processed successfully.

ENTER OPTION DESIRED

An invalid number was entered on the main menu when selecting a utility of Fast-EDY. Enter a number of one of the options listed on the screen.

FAST-EDY TERMINATED NORMALLY

This message displays when Fast-EDY returns control to CICS as a normal request to end the Fast-EDY transaction.

FILE SEARCH IN PROGRESS

This is an informational message displayed during a file search for a specified string of data. A file search can only occur with a FIND command or function. The data string is redisplayed in the upper right corner of the screen, while number of records searched is displayed in the upper left corner of the screen.

INSERT WAS SUCCESSFUL

ISRT function was processed successfully on the displayed record.

INVALID CHARACTER IN HEX DISPLAY

Only alpha or numeric characters are allowed as input to the hexadecimal side of the record display. Spaces and special characters are not allowed.

INVALID FILE COMMAND

The COMMAND field is invalid. This is a required field. Only valid CICS file commands, plus the Fast-EDY FIND, BROWSE, and CHANGERL commands, are valid. PF5 will display all valid commands with the Fast-EDY abbreviated commands.

INVALID KEYBOARD RESPONSE

A key was pressed that was not acceptable to the current screen. See instructions at the bottom of the screen for PF key usage, press PF5 for more detailed help, or consult the corresponding utility section of the Fast-EDY User Guide.

INVALID PARM IN KEY= OPTION

An incorrect format was given in the VALUE field when entering the KEY= parameters. See KEY= p,l Option under the VALUE field section in the manual.

INVALID REQUEST

A common cause for this message is when you attempt to perform a VSAM function that is excluded in the CICS File Control Table. The condition code is INVREQ. Check your CICS Application Programmers manual for other causes.

INVALID SEARCH LENGTH

For a FIND command, the length parameter given in the VALUE field exceeds the maximum record length of 20000.

INVALID SEARCH LENGTH

Search length given exceeds the maximum record length for this product. In setting up the parameters for a file search, the starting record position plus the length of the search area exceeds the maximum record length of 20000.

"KEY=" PARM REQUIRED

The KEY= parameter is required in the VALUE field to perform a WRITE record operation. When using the WRITE command, you must tell Fast-EDY where the key is in the record to be written.

LRECL CHANGE SUCCESSFUL

The CHANGERL command was executed successfully performing an automatic READ (update), DELETE, and WRITE with the new LRECL.

NON-NUMERIC INPUT FIELD IN KEY

A non-numeric character was entered between the quote marks of a packed field in the VALUE input field. See the VALUE field definition in the corresponding utility section of the User Guide.

PAUSE....IN SEARCH FOR:

A pause has occurred in the FIND file search. The data string has not been found, but the pause occurred due to an input parameter specifying to pause every n records read, or the default pause of 10,000 records was met. To continue the search, press ENTER. To end the search, change the FIND to some other valid command or function.

POSITIONS nnnn TO nnnn

When paging forward or backward through the current record, this message gives the starting and ending positions of the record displayed on the current screen.

POSSIBLE FILE CONTENTION

This message occurs along with the "INVREQ - INVALID REQUEST" message. Your file operation may be contending with another task accessing the same file. This is one of many reasons given for the "INVREQ" file condition. Consult your IBM CICS Application Programmers Command Level Reference Manual for more information.

READ SUCCESSFUL

READ command was processed successfully.

READNEXT SUCCESSFUL

READNEXT command was processed successfully.

READPREV SUCCESSFUL

READPREV command was processed successfully.

REPLACE WAS SUCCESSFUL

REPL function was processed successfully.

REWRITE SUCCESSFUL

REWRITE command was processed successfully.

SEARCH IN PROCESS...

During a file search using the FIND command, this message displays every 500 file reads and gives a count of records searched. This is a file search status message.

STARTBR SUCCESSFUL

STARTBR command was processed successfully.

STRING FOUND AT nnnn

The data string was found in a FIND file search. The record displayed contains the requested data string. The message identifies the position in the record the string was found. The line on the screen containing the string is highlighted. To continue the search, press ENTER. To end the search, change the FIND to some other valid command or function.

TO RENEW THIS PRODUCT CONTACT EIFRID SYSTEMS DEVELOPMENT

Time has elapsed for use of this product. Contact ESD for license renewal. If you are a licensed customer, review the INSTALLATION and GETTING STARTED sections of this manual for proper activation of the product.

UNLOCK SUCCESSFUL

UNLOCK command was processed successfully.

WRITE SUCCESSFUL

WRITE command was processed successfully.