CICS On-Line File Utility

```
    KEY SCADHM200ADH20B A000
     K S D S   F I L E   M A P R F 1        FUNCTION

1...5...10...15...20...25...30...35...40...45...50      STARTING POSITION
SCADHM200ADH20B A000BC        YY    Y Y                      1
ECCCCDFFFCCCCFFC4CFFFCC44444444EE4444E4E44444444444    01/02/98  10:41:06
231484200148202010002300000000880000080800000000000   *   * MACKINNEY *****
                                                       ** **  SYSTEMS  *
                                                       * * *  ON LINE  *****
444444444444444444444444444444444444444444444444444   *   *   FILE      *
000000000000000000000000000000000000000000000000000   *   *  UTILITY  *****

                                                       PF8=NEXT    PF7=PREVIOUS
444444444444444444444444444444444444444444444444444   PF3=NEXT200 PF4=PREV200
000000000000000000000000000000000000000000000000000   PF6=KEYMAP  PF5=SELECT
                                                       PF1=HELP    PF2=PREV KEY
          2408001001                                   PF9=ALT-SES F10=SET-CSR
444444444444444444444FFFFFFFFFFF4444444444444444444   *PRESS ENTER TO UPDATE*
000000000000000000000240800100100000000000000000000     ENDING POSITION
                KEY START      1 KEY LENGTH  20              200
RECORD LENGTH     420                CURSOR
```

Allows lookup and update of records on any VSAM (KSDS, ESDS, RRDS) or ISAM file.

Records are displayed in character and hexadecimal.

Lookup by KEY, RBA, or Relative Record Number.

Update, Add, Replace, Delete, or Browse.

Browse forward (VSAM and ISAM) or backward (VSAM).

Scan file for a record which matches user entered parameters. Up to 5 parameters may be entered.

Scan for a record containing a character string anywhere within the record ('JONES' between positions 1 and 100 for example).

Security routine may be used to protect certain files from lookup or update, or limit OLFU to certain terminals.

Audit trail shows any updates processed by OLFU.

Extensive 'HELP' screens provided.

May edit 2 files simultaneously by switching between OLFU sessions.

Screen used for display and update of records.

You may change either the character or hexadecimal lines.

```
    KEY SCADHM200ADH20B A000
    K S D S   F I L E   M A P R F 1          FUNCTION

1...5...10...15...20...25...30...35...40...45...50     STARTING POSITION
SCADHM200ADH20B A000BC        YY    Y Y                      1
ECCCCDFFFCCCFFC4CFFFCC44444444EE4444E4E44444444444    01/02/98  10:41:06
23148420014820201000230000000088000080800000000000   *    * MACKINNEY *****
                                                      ** **   SYSTEMS  *
                                                      *  * *  ON LINE  *****
44444444444444444444444444444444444444444444444444   *    *   FILE       *
00000000000000000000000000000000000000000000000000   *    *  UTILITY *****

                                                      PF8=NEXT    PF7=PREVIOUS
44444444444444444444444444444444444444444444444444   PF3=NEXT200 PF4=PREV200
00000000000000000000000000000000000000000000000000   PF6=KEYMAP  PF5=SELECT
                                                      PF1=HELP    PF2=PREV KEY
              2408001001                              PF9=ALT-SES F10=SET-CSR
44444444444444444444FFFFFFFFFF4444444444444444444444  *PRESS ENTER TO UPDATE*
00000000000000000000240800100100000000000000000000     ENDING POSITION
                   KEY START    1 KEY LENGTH  20            200
RECORD LENGTH    420                 CURSOR
```

On the initial lookup, the first 200 bytes of the record will be shown. Each byte is shown in character with its HEX value below. Other information shown includes:

> File name and type of dataset organization,
>
> the file KEY, RBA, or RRN (RBA and RRN are converted to decimal),
>
> the first and last record positions shown on this display,
>
> the KEY starting position,
>
> KEY length, and
>
> RECORD length

FUNCTION may be entered as ADD (add a record), DEL (delete a record), REC (recover the last deleted record), END (end a select and/or SPOOLER session and/or zero out the cursor field), F (display the first record), L (display the last record), and REP (delete an old record and add a new one). Record data may be changed using this screen by entering either the character or hexadecimal values of the changes.

If you want the cursor positioned at a location, a numeric value is placed by **CURSOR**. The PF keys, PF1 through PF7, can be replaced with PF13 through PF19 (PF1=PF13, PF2=PF14, etc.). PF3, PF4, PF7, and PF8 allow movement through the file by record or by position within a record. If you need to move to a specific location, the **ENDING POSITION** value can be modified. Changing the key value allows movement within the file to another record.

ALTERNATE SESSION
Pressing PF9 switches you to an alternate OLFU session so you can edit two files at once or edit two records of the same file.

This is an example of the SELECT screen. This screen is used to scan the file and select records which match user specified criteria.

This entry will search for a record containing 'TULSA' between positions 20 and 50.

Up to 5 select screens may be used with 'AND' or 'OR' to search for multiple conditions.

```
MACKINNEY SYSTEMS    CICS ON LINE FILE UTILITY
            O L F U   S E L E C T   S C R E E N   1
  1...5...10...15...20...25...30...35...40...45...50...55...60..64
  /TULSA/
  44444444444444444444444444444444444444444444444444444444444444    SEARCH
  00000000000000000000000000000000000000000000000000000000000000    LITERAL

        "BEG SCAN POSITION" "END SCAN POSITION" "RECORDS TO SCAN"
                  20                  50               100

        ENTER THE SELECT FUNCTION--EQ IS THE DEFAULT-- SER
        ENTER RELATIONSHIP TO NEXT SELECT (AND/OR)----
        ENTER OPTIONAL "P" OR "-" FOR PACKED FIELDS---
        ENTER OPTIONAL CURSOR POSITION---------------
  <SELECT TYPE 1>      SER=SEARCH
  <SELECT TYPE 2>      EQ=EQUAL   NEQ=NOT EQUAL   GT=GREATER THAN   LT=LESS THAN
                       CHG=SELECTED FIELD CHANGES
  <SELECT TYPE 3>      NUM=NUMERIC   NN=NOT NUMERIC   ALP=ALPHA   NA=NOT ALPHA

  ENTER UPDATE SELECT SCREEN    PF8 NEXT SEL SCREEN      PF7 PREV SEL SCREEN
  PF3   RETURN TO FILE SCREEN   PF6 KEY MAP              PF1 HELP
```

There are three types of selection sessions.

1

'SER'

. . . searches each record or portion of each record for a user specified value. It will search each record looking for the value in any position. Beginning and ending scan positions are optional and can be used to limit the search to certain positions within each record. Otherwise, the entire record will be searched. When a match is found, the record will be displayed with the cursor positoned at the first position of the matching bytes. Pressing ENTER will continue the search for the next occurrence.

2

'EQ', 'NEQ', 'GT', or 'LT'

. . . search one area of each record for a match to the literal entered. Beginning and ending scan positions are required and need to define an area the same length as the literal entered. Packed values can also be searched for.

3

'NN', 'NUM', 'ALP', or 'NA'

. . . can be used to look for a type of data within a specified range of positions. Beginning and ending scan positions are required. A search literal should not be entered.

Any combination of five selections can be made using either an 'AND' or an 'OR' relationship.

Extensive HELP screens are available throughout the system.

If at any point the user has questions, PF1 or P13 can be pressed to receive a full explanation.

ON LINE documentation explains all the functions of OLFU.

Below is the 'HELP' menu screen.

```
MACKINNEY SYSTEMS      CICS ON LINE FILE UTILITY
               H E L P   S C R E E N   M E N U
       SUBJECT NUMBER
ENTER THE CORRESPONDING NUMBER TO SEE HELPS FOR THE SUBJECT LISTED BELOW
OR USE NEXT/PREV TO BROWSE THROUGH THE HELP SCREENS.
 1. FILE SCREEN FIELDS                 16. SELECT TYPE 1
 2. SELECT SCREEN FIELDS               17. SELECT TYPE 2
 3. "KEY" FIELD (ON FILE SCREEN)       18. SELECT TYPE 3
 4. UPDATING RECORDS                   19. MULTIPLE SELECTS
 5. ADDING RECORDS                     20. ENDING A SELECT SESSION
 6. DELETING RECORDS                   21. ENDING POSITION FIELD
 7. RECOVERING DELETED RECORDS         22. RECORD LENGTH FIELD
 8. REPLACING RECORDS                  23. CURSOR POSITIONING
 9. PRINTING RECORDS                   24. "VOLATILE" FILES
10. PFKEY ASSIGNMENTS                  25. UNDOING AN UPDATE ("UND" FUNCTION)
11. FILE LOOKUP FUNCTIONS              26. LOOKUP ANOTHER RECORD USING "KEY"
12. FILE UPDATE FUNCTIONS              27. "PATH" (ALTERNATE INDEX) FILES
13. ALTERNATE SESSIONS                 28. ENTERING USER PARAMETERS FOR OLFU
14. CURSOR FIELD
15. FUNCTION FIELD


ENTER FILE SCREEN PF8 NEXT PAGE PF7 PREV PAGE PF6 KEY SCREEN PF5 SELECT MAP
PF11  RETURN TO "HELP SCREEN MENU"
      * * * ENTER NUMBER AND PRESS ENTER * * *
```

When would we use CICS/OLFU?

For creating test input. OLFU allows programmers to easily create each condition to be tested. Programs are tested more thoroughly and in less time.

For checking test results. Programmers can immediately check each record their test updated.

For correcting files with problems. The SCAN function is handy for finding the records which need correcting.

For trouble shooting. You can quickly access any file defined to CICS to investigate problems.

For quick response to minor requests from users.

For TSO users, ISPF VSAM UTILITY includes file editing and most IDCAMS functions. Call or write for more information.

Installation/TRIAL

CICS/OLFU runs on all operating systems which support CICS. Installation takes around two hours. For a free trial, call or send the trial/lease agreement.