

**Chapter
1**

**FILE-AID
FACILITIES**

*Get on the
Fast Track!*



TM

**SYS-ED/
Computer
Education
Techniques, Inc.**

Objectives

You will learn:

- The similarities and differences between ISPF/PDF versus File-AID/SPF.
- PRIMARY OPTION MENU.
- PARAMETER SELECTION MENU.
- ISPF parameter options.
- Evaluate and select system parameters.
- SELECTION CRITERIA PARAMETERS.
- Manage print parameters.
- Manage processing parameters.
- Apply audit file allocation parameters.
- Default setting panel.

1 What is File-AID/SPF

File-AID is an interactive software tool that increases data processing productivity in both program development and daily file and record maintenance.

File-AID:

- Emulates the presentation of the ISPF/PDF screens.
- Provides On-line access to files unavailable to the ISPF/PDF user.
- Extends the power of the current ISPF/PDF environment with new and additional features.

1.1 Why use ISPF/PDF

Reasons for using ISPF/PDF include:

- Quick and easy access to data.
- Processes all standard z/OS access methods and file formats.
- Selective record processing.
- JCL conversions.
- File-format conversions.

1.2 ISPF/PDF versus File-AID/SPF

ISPF/PDF	File-AID/SPF
<ul style="list-style-type: none"> Sequential and partitioned only. 	<ul style="list-style-type: none"> Sequential, partitioned, ISAM, BDAM, IAM, and VSAM.
<ul style="list-style-type: none"> Can copy from sequential or partitioned to another sequential or partitioned dataset. 	<ul style="list-style-type: none"> Will copy from any standard z/OS file format to any standard z/OS file format.
<ul style="list-style-type: none"> Sequential or PDS member. File size restriction. 	<ul style="list-style-type: none"> All z/OS file formats. Can be processed selectively. No file size restriction.
<ul style="list-style-type: none"> Sequential or PDS member. Record length restriction of 255 bytes. Copy of dataset is being edited and then saved. 	<ul style="list-style-type: none"> All z/OS file formats. Record length bytes can be up to 32,767 bytes. No file size restriction. Updates at the DASD. Pre-edit feature. Global changes in one step. Selective editing.
<ul style="list-style-type: none"> Must use IDCAMS. PDF 3.4 will display dataset but little processing is allowed. 	<ul style="list-style-type: none"> Catalog Utility for all file formats. Line commands available to process datasets.
<ul style="list-style-type: none"> No direct way without Batch Utility. 	<ul style="list-style-type: none"> VTOC Utility
<ul style="list-style-type: none"> Must use IDCAMS. 	<ul style="list-style-type: none"> VSAM Utility Dataset Utility Catalog Utility VTOC Utility

2 PRIMARY OPTION MENU

FILE-AID 9.2.0 ----- PRIMARY OPTION MENU -----
OPTION ==>

0	PARAMETERS	- SPECIFY ISPF AND FILE-AID PARAMETERS	USERID	- #6001
1	BROWSE	- DISPLAY FILE CONTENTS	PF KEYS	- 12
2	EDIT	- CREATE OR CHANGE FILE CONTENTS	TERMINAL	- 3278A
3	UTILITIES	- FILE-AID/SPF EXTENDED UTILITIES	TIME	- 11:42
5	PRINT	- PRINT FILE CONTENTS	JULIAN	- 10.279
6	SELECTION	- CREATE OR CHANGE SELECTION CRITERIA	DATE	- 10/10/06
7	XREF	- CREATE OR CHANGE LAYOUT CROSS REFERENCE	CCSID	- 00037
8	VIEW	- VIEW INTERPRETED RECORD LAYOUT		
9	REFORMAT	- CONVERT FILE FROM ONE FORMAT TO ANOTHER		
10	COMPARE	- COMPARE FILE CONTENTS		
C	CHANGES	- DISPLAY SUMMARY OF FILE-AID CHANGES		
T	TUTORIAL	- DISPLAY INFORMATION ABOUT FILE-AID		
X	EXIT	- TERMINATE FILE-AID AND RETURN TO ISPF		

USE END TO TERMINATE FILE-AID

3 PARAMETER SELECTION MENU

FILE-AID ----- PARAMETER SELECTION MENU -----
 OPTION ==>

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0 ISPF          - ISPF PARAMETERS AND FILE-AID PF KEYS
1 SYSTEM        - FILE-AID SYSTEM PARAMETERS
2 SELECTION     - SELECTION CRITERIA DEFAULT PARAMETERS
3 PRINT         - PRINT DEFAULT PARAMETERS
4 PROCESSING    - PROCESSING OPTION DEFAULT PARAMETERS
5 AUDIT         - AUDIT FILE ALLOCATION PARAMETERS
6 HFS          - HIERARCHICAL FILE SYSTEM OPTIONS
  
```

3.1 ISPF Parameter Options

ISPF Settings

Command ==>

Options	Print Graphics	More:	+
Enter "/" to select option	Family printer type 2		
Command line at bottom	Device name		
Panel display CUA mode	Aspect ratio . . . 0		
/ Long message in pop-up			
Tab to action bar choices			
Tab to point-and-shoot fields	General		
/ Restore TEST/TRACE options	Input field pad . . B		
Session Manager mode	Command delimiter . ;		
/ Jump from leader dots			
Edit PRINTDS Command			
/ Always show split line			
Enable EURO sign			

Member list options

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Enter "/" to select option
/ Scroll member list
/ Allow empty member list
  Allow empty member list (nomatch)
  
```

3.2 SYSTEM PARAMETERS

FILE-AID ----- SYSTEM PARAMETERS -----
COMMAND ==>

CLIENT NUMBER: 000598

RELEASE DATE: 03/18/2010

CLIENT NAME : SOCIAL SECURITY ADMINISTRATION

SPECIFY FUNCTION DEFAULTS:

DISPLAY CANCEL CONFIRMATION	==> Y	(Y = YES; N = NO)
DISPLAY "RECORDS NOT SELECTED" LINE	==> Y	(Y = YES; N = NO)
CHARACTER SET	==> DFLT	(CODE PAGE IDENTIFIER)
ENABLE SCREEN JUMPS WITHIN FILE-AID	==> Y	(Y = YES; N = NO)
VSAM INTERMEDIATE NAME	==> #6001	

SPECIFY WORK FILE/CUT FILE ALLOCATIONS:

SPACE UNITS	==> TRKS	(TRKS, CYLS OR BLKS)
PRIMARY QUANTITY	==> 10	(IN ABOVE UNITS)
SECONDARY QUANTITY	==> 5	(IN ABOVE UNITS)
NUMBER OF VOLUMES	==> 1	(1 - 59)
COMPARE KSDS WORK FILE VOLSER	==>	(BLANK OR VOLSER)
CONCATENATION LIST DSN	==>	

SMS CLASS INFORMATION:

STORAGE	==>	DATA	==>	MANAGEMENT	==>
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3.3 SELECTION CRITERIA PARAMETERS

FILE-AID ----- SELECTION CRITERIA PARAMETERS -----
 COMMAND ==>

SPECIFY SELECTION CRITERIA OPTION DEFAULTS:

NUMBER OF RECORDS TO SEARCH	==> ALL	RECORD SELECTION WILL CONTINUE UNTIL YOU HAVE READ THIS MANY RECORDS
NUMBER OF RECORDS TO SELECT	==> ALL	OR SELECTED THIS MANY RECORDS

SPECIFY PROCESSING DIRECTION USED BY BROWSE, EDIT, COPY, PRINT, SEARCH/UPDATE:
 SEQ/VSAM PROCESSING DIRECTION ==> F (F = FORWARD; B = BACKWARD)

SPECIFY UNFORMATTED SELECTION CRITERIA DEFAULTS:

RELATIONAL OPERATOR	==> EQ	(ENTER ANY VALID RELATIONAL OPERATOR)
LOGICAL CONNECTOR	==> AND	(AND OR OR)

3.4 PRINT PARAMETERS

FILE-AID ----- PRINT PARAMETERS -----
 COMMAND ==>

NUMBER OF LINES/PAGE	==> 55	(0 = SUPPRESS PAGE HEADINGS)
SYSOUT CLASS	==> A	
NUMBER OF COPIES	==> 1	
TRUNCATE FOR VPRINT CMD	==> Y	(Y = YES; N = NO)

ENTER ONE OF THE FOLLOWING OPTIONAL DESTINATIONS:

DESTINATION PRINTER	==>	(LOCAL OR REMOTE PRINTER)
- - - OR - - -		
EXTERNAL JES NODE ID	==>	(PREDEFINED JES NODE AND SYMBOLIC ID
TARGET VM/TSO IDENT	==>	OF INTENDED RECEIVER OF OUTPUT)
- - - OR - - -		
SYSOUT WRITER NAME	==>	(INSTALLATION ASSIGNED OUTPUT WRITER)
- - - OR - - -		
		(DSORG=PS, RECFM=VBA, LRECL=187)
PRINT DATASET NAME	==>	
DISPOSITION	==> OLD	(NEW; SHR; MOD; OLD)
VOLUME SERIAL	==>	

3.5 Processing Parameters

File-AID ----- Processing Parameters -----
 COMMAND ==>

Specify Record Information Default Used by Search/Update:

Include record information ==> NO (Y = Yes; N = No)

Specify Partitioned Dataset Defaults Used by Copy and Search/Update:

Replace like-named members ==> YES (Y = Yes; N = No)

Copy/Edit entire member ==> YES (Y = Yes; N = No)

Copy empty members ==> NO (Y = Yes; N = No)

Maintain PDS statistics ==> YES (Y = Yes; N = No; A = Add)

Display member selection list ==> YES (Y = Yes; N = No)

3.6 AUDIT FILE ALLOCATION PARAMETERS

FILE-AID ----- AUDIT FILE ALLOCATION PARAMETERS -----
 COMMAND ==>

SPECIFY AUDIT TRAIL FILE ALLOCATION INFORMATION:

SPACE UNITS ==> TRKS (TRKS; CYLS; BLKS)

PRIMARY QUANTITY ==> 15 (IN ABOVE UNITS)

SECONDARY QUANTITY ==> 75 (IN ABOVE UNITS)

SPECIFY SMS CLASS INFORMATION:

STORAGE ==>

DATA ==>

MANAGEMENT ==>

4 Default Setting Panel

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                                Default Setting Panel
COMMAND ==>                                Client Number:
-
                                Release Date: 11/18/09
Function defaults for:
  Include record information ==> N      (Y=yes, N=no)
  Seq/VSAM process direction ==> F      (F=forward B=backward)
  Number of records to search ==> 0      (0 = all)
  Number of records to select ==> 250    (0 = all)

Browse and edit selection parameter defaults:
  Length/Operator ==> EQ      (eq ne gt lt ge le no mx)
  AND/OR          ==> AND      (and or)

Browse intermediate work file allocation defaults:
  Allocation type   ==> TRKS    (trks cyls)
  Primary allocation ==> 10      (in above units)
  Secondary allocation ==> 5      (in above units)

VSAM intermediate name ==> ZADSADM
Additional user catalog ==>
Catalog connector name ==>
```

5 Pattern Characters

The valid pattern characters allowed in File-AID pattern datasets names are:

- the asterisk - *
- question mark - ?
- percent sign - %
- slash - /
- plus - +

5.1 Asterisk - *

Asterisk	*	<p>The asterisk is a qualifier-name wildcard.</p> <p>It represents any single-level qualifier, or partial-level qualifier when preceded by 1 to 7 explicit characters.</p>
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Example:

Dataset name ==> USERID1.TEST*

List all the datasets with a first-level qualifier of USERID1, a second-level qualifier beginning with TEST, and any number, including zero, of remaining qualifiers:

**USERID1.TEST, USERID1.TEST.DATA, USERID1.TESTAA.DATA,
USERID1.TESTAB.NODE.NODE, etc..**

5.2 Question Mark - ? and Percent - %

Question mark	?	The question mark and the percent sign are both single-character wildcards. Either character represents a single character in the specified position of the qualifier. A single-character wildcard can be used up to 8 times within a qualifier, but a character must exist in that position.
Percent sign	%	

Example:

Dataset name ==> USERID.TEST??

Dataset name ==> USERID.TEST%%

These examples both match datasets with a high-level qualifier of USERID and second-level qualifier of TESTAA and TESTTAB, but not TESTOUT or TEST.

They also match USERID.TESTAA.NODE and USERID.TESTTAB.NODE.NODE.

5.3 Slash - /

Slash	/	The slash specifies the number of levels in the dataset name. Dataset names with more levels than those specified in the dataset names are not listed. The / must be the last element in the dataset name. The / and the + cannot both be used in the same dDataset name.
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Example:

Dataset name ==> USERID.TEST.* /

This example matches USERID.TEST.ALPHA and USERID.TEST.BETA. It does not match USERID.TEST.ALPHA.BETA because there are too many levels or USERID.TEST because there are too few levels.

5.4 Plus (+)

Plus	+	<p>The plus tells File-AID to ignore any intermediate-level qualifiers.</p> <p>Use the + after the high-level qualifier and before the lowest-level qualifier to have File-AID ignore any intermediate qualifier. In effect, it matches zero or more qualifiers in the name.</p> <p>Only one + can be used per name.</p> <p>The portion of the name before the + represents a pattern for the high-level qualifier(s) of the dataset name; the portion after the + represents a pattern for the low-level qualifier(s). When the + is used, only dataset names that begin and end exactly as the pattern does are displayed.</p> <p>The / and the + cannot both be used in the same pattern dataset name. The + implies a / at the end of the pattern dataset name.</p>
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Example:

Dataset name ==> USERID1.+ .TEST

This example matches USERID1.BETA.TEST, USERID1.TEST, or USERID1.FILEAID.ALPHA.SEQ.TEST, since they all begin with USERID1 and end with TEST.

It does not match USERID1.BETA.TEST.CLUSTER, because the + indicates that TEST must be the last qualifier in the dataset name.

In only the VTOC utility - 3.7, the + (plus) may be used as the high-level qualifier in the search name.

Example:

Dataset name ==> +.JCL.CNTL

This example locates all datasets starting with anything but ending in .JCL.CNTL.

6 Data File Dataset

A data file dataset contains the data to browse, edit, copy, from/to, search/update, print, reformat from/to, or compare.

File-AID can process datasets created through any standard z/OS method, including:

- Sequential
- Partitioned
- ISAM
- BDAM
- VSAM - KSDS, ESDS, and RRDS
- VSAM - LINEAR can be allocated only.
- IAM