



Chicago Interface Group, Inc.

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# ***FastLIST***

## **ISPF User Guide**

Chicago Interface Group, Inc.  
858 West Armitage Avenue #286  
Chicago, IL 60614 USA

Phone: (773) 524-0998  
Fax: (815) 550-6088  
Internet: [www.cigi.net](http://www.cigi.net)  
Email: [support@cigi.net](mailto:support@cigi.net)

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# *FastLIST 7.0*

## Chapter 1: Overview

This chapter contains:

- A conceptual explanation of FastLIST.
- A discussion of the FastLIST components.
- Using FastLIST to perform impact analysis.
- Usage scenarios.

# Introduction

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## What is FastLIST?

FastLIST is a programmer's workbench integrated with the CA-Endevor environment. FastLIST consists of five interrelated product components:

- ❶ A simple-to-use ISPF front-end allowing for fast access to Endevor data; programmer functions such as editing elements and performing actions are accessible through a single ISPF panel.
- ❷ Impact analysis facilities that are integrated with the ISPF front-end, available through batch utilities or accessible via Endevor processors.
- ❸ Controls and customizable rule sets to prevent the introduction of duplicate elements into an incorrect Endevor inventory location.
- ❹ Package processing integration, which allows you to build or re-use a package from the FastLIST front-end. This feature also provides seamless integration with CIG Package Utilities and Greenhouse products.
- ❺ The ability to invoke the Endevor Text Search and Replace Function from the FastLIST front-end.

FastLIST is:

EASY to install,  
EASY to implement, and  
EASY to use.

# FastLIST's ISPF Interface

Programmers can use the FastLIST ISPF interface to perform a variety of Endeavor and non-Endeavor functions including:

- Editing an Endeavor element or PDS member
- Performing *where used* impact analysis
- Batch SCL generation
- Performing Endeavor actions in either batch or foreground
- Report submission
- Package creation
- Text Search and Replace

FastLIST's easy to use front-end allows programmers to perform all of the above functions *from just a few panels*. FastLIST pop-up panels guide users through more advanced functions, such as performing date searches and "where used" CCID queries, and FastLIST CUA compliant pop-up panels make selecting various line actions and group actions quick and easy.

Figure 1.1 illustrates the easy-to-use FastLIST ISPF workbench. In the figure, a request to display a list of all programs which reference a copybook (i.e. an input component) called \$TIME was issued.

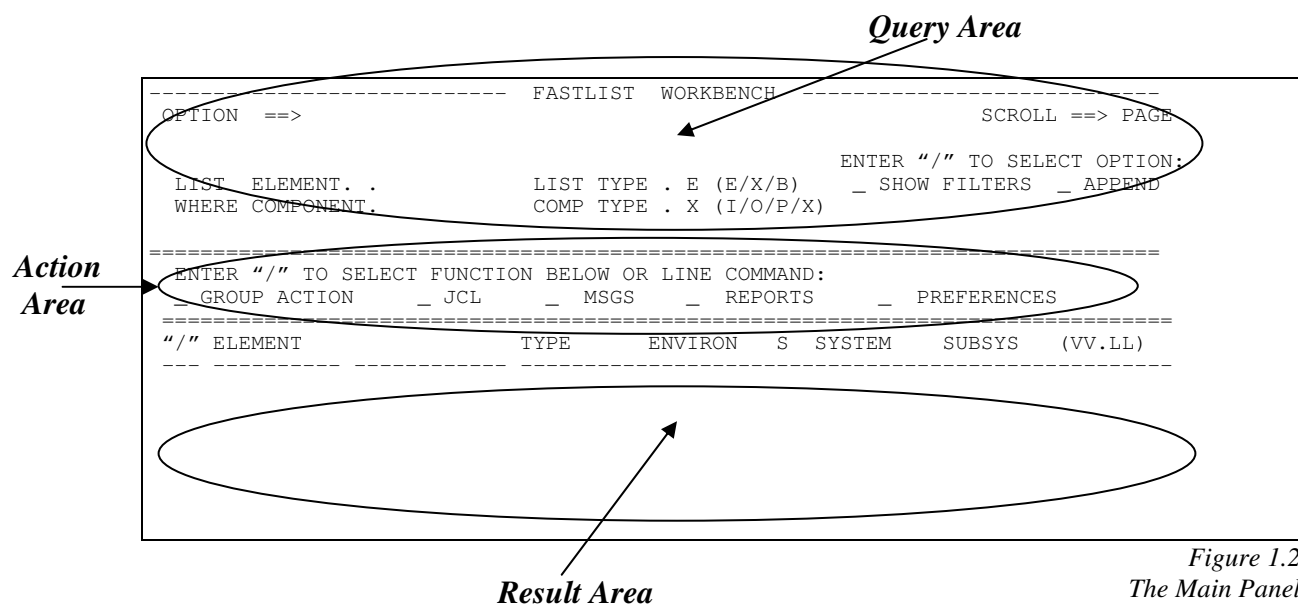
```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE

LIST ELEMENT. . $TIME LIST TYPE . E (E/X/B)   ENTER "/" TO SELECT OPTION:
WHERE COMPONENT. $TIME COMP TYPE . X (I/O/P/X) _ SHOW FILTERS _ APPEND
-----
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION   _ JCL   _ MSGS   _ REPORTS   _ PREFERENCES
-----
"/" ELEMENT          TYPE          ENVIRON   S  SYSTEM   SUBSYS   (VV.LL)
-----
$$DATE1             ASM          SPAIN     2  FASTLIST R2M0   (01.34)
$$MSG               ASM          SPAIN     2  FASTLIST R2M0   (01.00)
$$REPORT            ASM          SPAIN     2  FASTLIST R2M0   (01.05)
CIGFLING             ASM          SPAIN     2  FASTLIST R2M0   (01.03)
CIGPISPF            ASM          SPAIN     2  FASTLIST R2M0   (01.00)
CIGPKDEL            ASM          SPAIN     2  FASTLIST R2M0   (01.01)
CIGPKRMK            ASM          SPAIN     2  FASTLIST R2M0   (01.01)
CIGPKRMK            ASM          SPAIN     2  FASTLIST R2M0   (01.02)
CIGPKUT3            ASM          SPAIN     2  FASTLIST R2M0   (01.07)
```

Figure 1.1  
ISPF Interface

## Single Panel Interface

The FastLIST Primary Panel consists of three areas: the query area, the action area, and the result area.



**Query Area** Search criteria are specified in the Query Area, while advanced searches (e.g., date ranges, CCID usage) are accessible via the Filter panel. The FastLIST ISPF interface combines the traditional batch “where used” capabilities with an interactive, real-time on line panel for list generation and action processing.

**Result Area** The Result Area shows a list of all elements or PDS members that match your search criteria. Standard Endeavor line commands and actions can be performed on elements listed in the Result Area using standard Endeavor action characters, such as G for generate, A for add, or through the use of the CUA standard ‘/’ selection character.

**Action Area** The Action Area allows you to perform Group Mode Actions, such as package submission, view messages, submit reports, and modify JCL settings.

# Impact Analysis

---

Impact analysis can be performed online via the FastLIST ISPF front-end. You will see an increase in overall system quality and reduction in the time required to make application changes through the impact analysis capabilities of FastLIST.

## Impact Analysis and Configuration Management

Configuration management is the tracking of component relationships and the ability to make quality decisions based on data and tools that perform "where used" analysis. The goal of this analysis is that (1) the impact of a change is always known in advance, and (2) you always know what components make up the existing outputs.

A typical configuration management problem involves trying to determine the impact of an improvement in a macro or processor. Endeavor provides information on input components, output components, and objects per element, as well as processor used by element. Through FastLIST you can access this data on-line, real-time, to make decisions and do planning.

Prior to making a change to a copybook you can perform an online query to identify all programs impacted by a change to the copybook. Your approach and possible decision in making the copybook change may be affected by the results of your analysis. FastLIST provides the ability to perform such impact analysis quickly, easily, and in an environment where the changes can be quickly made.

FastLIST's configuration management information is accessed through a set of functions built to work with Endeavor's ACM data, CCID data, and user-defined object relationships, allowing the full potential of configuration management to be achieved.

## Accessing configuration management data

There are three methods for accessing configuration data through FastLIST:

- First, access is provided through the FastLIST ISPF front-end.
- Second, the FLIST utility can be executed either as a stand-alone batch utility or integrated into an Endeavor processor. (The FLIST utility is a high-speed replacement for the Endeavor LIST action.) The FLIST utility also allows FastLIST configuration data to be written to a sequential file.
- Third, access is provided through a series of FastLIST configuration reports.

***“Tell me all programs  
that use the copybook  
\$TIME.”***

OPTION ==> FASTLIST WORKBENCH SCROLL ==> PAGE

LIST ELEMENT. . . LIST TYPE . E (E/X/B) ENTER "/" TO SELECT OPTION:  
WHERE COMPONENT. \$TIME COMP TYPE . X (I/O/P/X) \_ SHOW FILTERS \_ APPEND

ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:  
\_ GROUP ACTION \_ JCL \_ MSGS \_ REPORTS \_ PREFERENCES

| "/" ELEMENT | TYPE | ENVIRON | S | SYSTEM   | SUBSYS | (VV.LL) |
|-------------|------|---------|---|----------|--------|---------|
| \$\$DATE1   | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.34) |
| \$\$MSG     | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.00) |
| \$\$REPORT  | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.05) |
| CIGFLIN6    | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.03) |
| CIGPISPF    | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.00) |
| CIGPKDEL    | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.01) |
| CIGPKRMK    | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.01) |
| CIGPKRMK    | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.02) |
| CIGPKUT3    | ASM  | SPAIN   | 2 | FASTLIST | R2M0   | (01.07) |

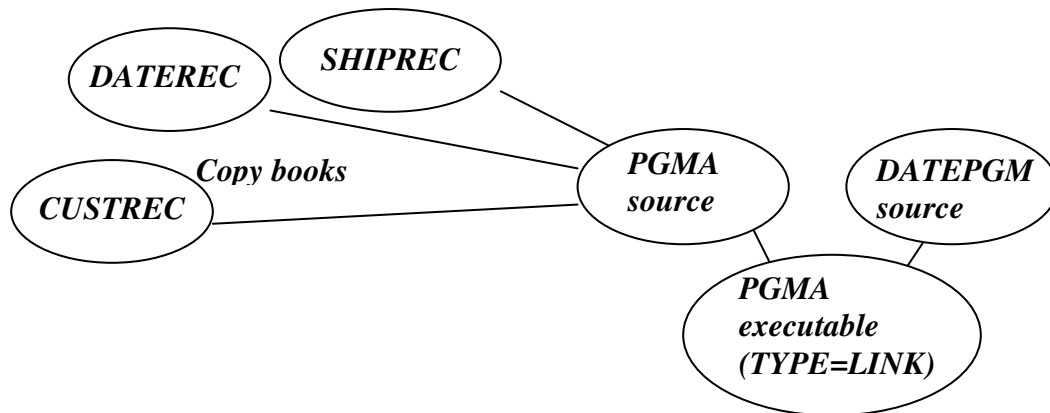
*Query Results* →

*Figure 1.3  
Impact analysis request*

FastLIST’s online access to configuration data is illustrated in Figure 1.3. In the example, a programmer has requested FastLIST to identify all programs which use a copybook called \$TIME.

## Indirect References

FastLIST provides the ability to identify indirect references between elements. The figure below shows that CUSTREC, a copybook included in PGMA source, has an indirect reference to the PGMA executable. Consequently, a change to CUSTREC will require that a new PGMA executable be created.



*Figure 1.4  
Indirect reference example*

Some Endeavor installations may define CUSTREC as a type COPYBOOK, PGMA source as a type COBOL, and the creation of PGMA executable through a type LINK.

The Indirect Option, available through the ISPF front-end or FLIST utility, allows the PGMA (TYPE=LINK) to be listed as one of the modules impacted by a change to the CUSTREC copybook.

# Duplicate Element Prevention

---

Integrated with FastLIST is the ability to control "duplicate" elements. A duplicate element is an element that was accidentally introduced into an incorrect Endeavor inventory location. For example, an element could be added to the incorrect subsystem or with the wrong type identifier. An element with the same name in an incorrect inventory location can be problematic. Such a mistake could result in an incorrect executable being moved into your production environment resulting in a serious production outage.

## Controlling Duplicate Elements

Your environment is dynamic: it is different from other IT organizations and within your organization requirements and controls vary on an application-by-application basis. For one particular system, no duplicate element names may be allowed. In a second application system, you may allow duplicate names for certain element types. In a third system, you may need to allow duplicates within a particular subsystem.

The Duplicate Element Prevention feature allows you to define rules controlling the creation of elements with the same name (i.e., duplicate elements).

## Duplicate Element Rule Set

The FastLIST Duplicate Element Control Facility allows you to define a rule set to control duplicate elements. The rule set is identified in the FastLIST Control File (CIGINI file) and is referenced when an Endeavor action is performed. The rules are simple to specify and provide all the power you need to ensure your environment is secure from the introduction of duplicate element names. The following figure illustrates duplicate element rules:

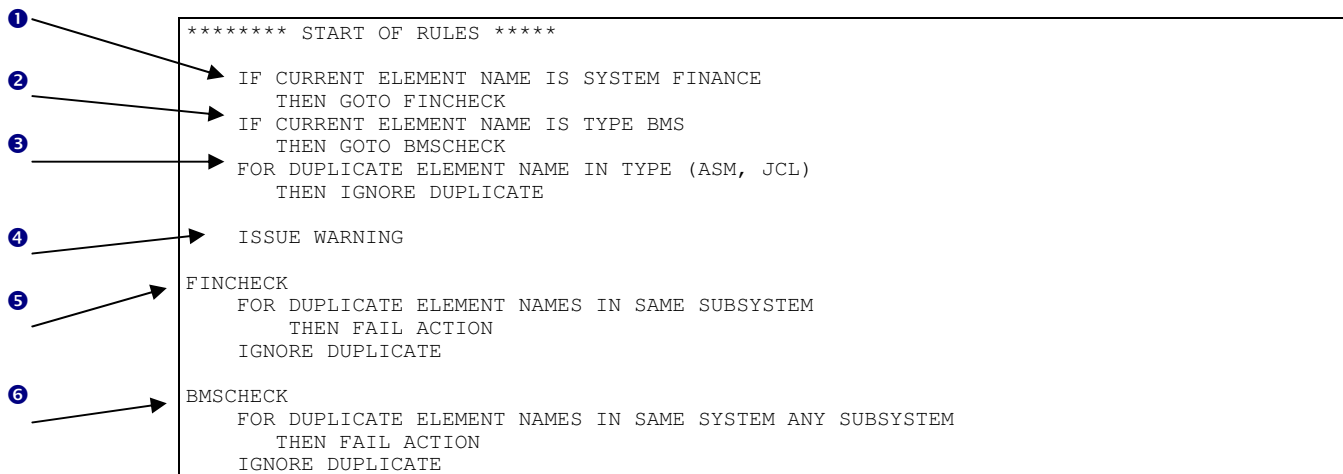


Figure 1.5. Duplicate Element Rules

- ❶ In statement 1, a check for elements being added to the FINANCE system is requested. For those elements, duplicate checking will be handled in the logic associated with the FINCHECK label.
- ❷ In statement 2, a check for elements of the BMS type is requested. Duplicate element checking will be handled in the logic associated with the BMSCHECK label.
- ❸ In statement 3, duplicate element names are ignored when the element type is either ASM or JCL.
- ❹ Statement 4 is the default: A warning will be issued when a duplicate element name is detected which does not match the criteria specified in the prior IF statements.
- ❺ The processing in the “Fincheck” Section states that any duplicate element in the same subsystem (across any system or type) will be rejected. If the condition is not met (i.e, same element in different subsystems) then the duplicate is ignored.
- ❻ The processing in the “BMScheck” section will fail the action if the same element name is found in the same system (and type), but in any subsystem. Duplicate names across systems will be ignored.

#### Usage Example: Conversion Project

Many IT organizations are now upgrading their legacy applications, a task that requires that a large number of programs be changed and extensive testing be performed. You may even establish a testing environment to ensure the changed applications run correctly.

If changes are being implemented by programmers and consultants unfamiliar with your Endeavor configuration then you may experience elements with the same name being introduced into incorrect Endeavor locations. This could result in a costly clean up. But, fortunately, with FastLIST’s impact analysis capabilities, you will be able to quickly identify all components that were added into ENDEVOR during a specified date range. You can prevent further damage from occurring by utilizing duplicate element rules.

**Refer to the *FastLIST Administrator Guide* for an explanation on implementing the FastLIST Duplicate Element Prevention feature.**



Step 2: Specify a date range.

From the Date and Time Search pop-up panel, you would specify the date range.

```
----- FASTLIST WORKBENCH -----
O          DATE AND TIME SEARCH
OPTION ==>
          ENTER THE DATE, TIME AND TYPE.
          ONLY DATE AND TYPE ARE REQUIRED.
=
          DATE FORMAT IS YY/MM/DD.
=
          WHERE DATE. . .          THROUGH DATE. . .
"
          TIME FORMAT IS HH:MM.
-
          WHERE TIME. . .          THROUGH TIME. . .
*
          DATE TYPE . . . . G (C,G,L,D)
          (CUR,GEN,LAST,OR DELTA)
          END = CANCEL  ENTER = PROCESS  PFK1 = HELP
          o11 ==> CSR
          lect option:
          _ Append
          =====
          rences
          =====
          s (VV.LL)
          -----
          *****
```

*Figure 1.7  
Date-Range Filter panel*

Year 2000 Compliance:

FastLIST supports century windowing on date range queries and date processing. The ISPF and batch interfaces uses a 52-based windowing technique, meaning that all two-digit year fields below 52 will be processed as 21<sup>st</sup> century dates, and all two-digit year fields above 52 will be processed as 20<sup>th</sup> century dates.

### Step 3: RETRIEVE listed programs

After initiating a date range search, only those programs that match the date range criteria will be shown in the result area on the FastLIST Main Panel.

To retrieve the programs, type a '/' in the Group Action Area, which will display the Group Mode Action panel. Select Option 3, Retrieve.

```
----- FASTLIST WORKBENCH ----- Row 1 to 13 of 88
O      Group Mode Action Request      Scroll ==> CSR
Option ==>                          to select option:
                                      rs  _ Append
                                      =====
=      Actions:                       Execution Options:
=      --- 1. Add.....A      2      1. Batch
"      2. Update.....U      2      2. Batch packages
-      3. Retrieve.....R      3      3. Foreground
      4. Generate.....G      4      4. SCL only
      5. Move.....O
      6. Delete.....#      Enter "/" to select option:
      7. Transfer.....T      /  Edit SCL
      8. Signin.....SI      /  Option Prompt
      9. Search.....SR      /  Edit JCL
      10. Print.....P
      11. User Action...UA

Select an action and other optional settings
and then press ENTER to process.

BETACCCC      TESTDATA      GREEN      1      INTERNAL
BETADDDD      TESTDATA      GREEN      2      INTERNAL
BETADDDD      TESTDATA      GREEN      1      INTERNAL

Preferences
=====
Subsys (VV.LL)
-----
TESTCASE (01.00)
TESTCASE (01.02)
CIBC (01.00)
TESTCASE (00.45)
TESTCASE (00.03)
TESTCASE (00.03)
CIBC (00.04)
CIBC (01.03)
TESTCASE (00.45)
TESTCASE (00.45)
TESTCASE (01.00)
TESTCASE (00.45)
```

Figure 1.8  
Retrieving listed programs

FastLIST provides the ability to execute actions via an ENDEVOR package. To utilize this feature select Execution option 2, Batch packages.

# FastLIST Usage Scenario #2: Modifying Processors

When a company decides to upgrade to the newest version of the COBOL compiler, Endeavor processors may need to be modified.

Step 1: Edit the processor.

In this example, the processor ASMCP must be modified to support the latest COBOL compiler.

**#1. Issue query request for processor ASMCP.**

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE
LIST ELEMENT. . ASMCP                      LIST TYPE . E (E/X/B)
WHERE COMPONENT                            COMP TYPE . X (I/O/P/X)
-----
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION    _ JCL    _ MSGS    _ REPORTS    _ PREFERENCES
-----
"/" ELEMENT                TYPE    ENVIRON  S  SYSTEM    SUBSYS  (VV.LL)
E  ASMCP                   ASM     PROD     FASTLIST  R2MO    (01.00)
```

**#3. Edit the processor.**

**#2. Results of query request.**

Figure 1.9  
Editing a processor from the Main Panel



# FastLIST Usage Scenario #3: Release Management Using CCIDs

In this scenario, a program correction was made to several programs earlier this year. In making these changes the CCID 'TEST002' was assigned to the programs being changed. You need to identify all programs that were assigned this CCID, even if additional changes (using different CCIDs) were made. FastLIST allows Delta level CCIDs to be searched in addition to current levels.

Step 1: Access the FILTERS panel.

To request a CCID search, you first must access the FILTERS panel. As shown below, the FILTERS panel is accessible by typing '/' in the Show Filters field on the FastLIST Main Panel. After pressing <Enter>, the FILTER SETTINGS panel will be displayed, where you can specify filtering options, such as CCID.

**#1. Request to display the ENDEVOR Filter Settings panel.**

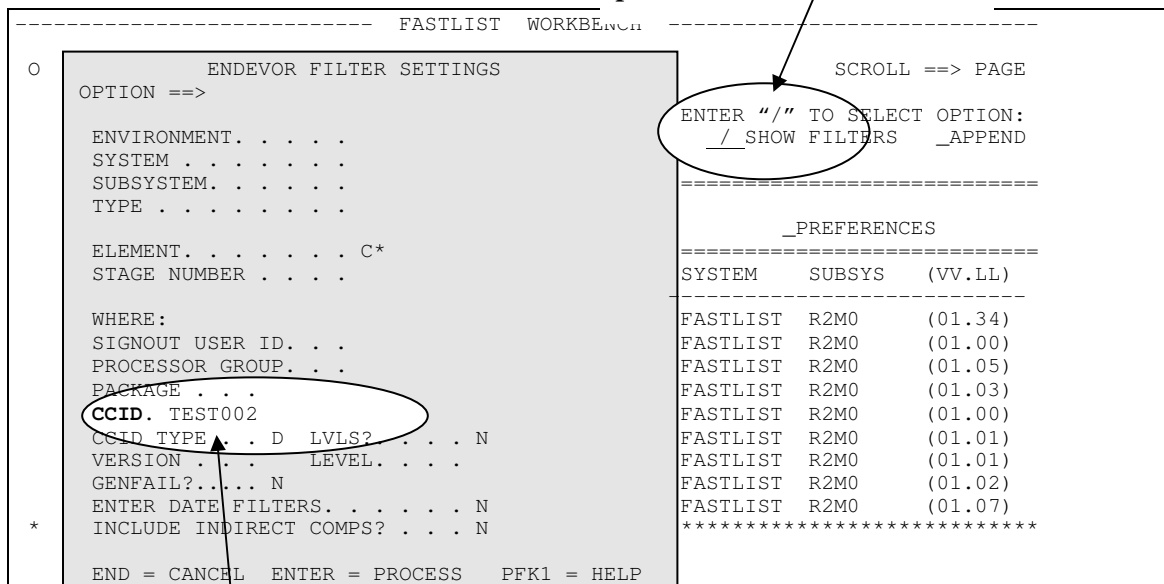


Figure 1.11 Endeavor Filter Settings

**#2. Show me all programs using CCID=TEST002, regardless of the level to which the change was made.**

Step 2: Display a list of programs.

After specifying the CCID search criteria, those programs which have delta levels associated with TEST002 are displayed. CCID search criteria includes current levels, delta levels, last action, generate, retrieve or all of the above.

**Number of  
programs using  
CCID=TEST002**

```
-----FASTLIST WORKBENCH-----ROW 1 TO 4 OF 4
OPTION ==>                                SCROLL ==> PAGE

LIST ELEMENT. . . . .LIST TYPE . E (E/X/B)  ENTER "/" TO SELECT OPTION:
WHERE COMPONENT. . . . .COMP TYPE . X (I/O/P/X)  _ SHOW FILTERS _ APPEND
=====
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION  _ JCL  _ MSGS  _ REPORTS  _ PREFERENCES
=====
"/" ELEMENT                TYPE      ENVIRON  S  SYSTEM  SUBSYS  (VV.LL)
-----
CIGGHSCl                   ASM      PROD    2  FASTLIST R2M0  (01.03)
CIGISPF1                    ASM      PROD    2  FASTLIST R2M0  (01.01)
CIGI@CMD                    ASM      PROD    2  FASTLIST R2M0  (01.00)
CIGIALLO                     ASM      PROD    2  FASTLIST R2M0  (01.00)
```

**Results from date query.**

Figure 1.12 Displaying a list of programs.

## Usage Scenario #4: Implementing mass changes through search and replace

---

In this scenario, we want to change all references to “\$QSAM”.

Step 1. Drive a list of all elements that contain references to \$QSAM.

**“Show me all components which reference \$QSAM.”**

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE
LIST ELEMENT. .                            LIST TYPE . E (E/X/B)   ENTER "/" TO SELECT OPTION:
WHERE COMPONENT. $QSAM                   COMP TYPE . X (I/O/P/X) _ SHOW FILTERS _ APPEND
-----
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION    _ JCL    _ MSGS    _ REPORTS    _ PREFERENCES
-----
"/" ELEMENT                                TYPE    ENVIRON  S  SYSTEM    SUBSYS    (VV.LL)
-----
```

Figure 1.13 Implementing Mass Changes through Search and Replace

Step 2. Invoke the Group Mode Action Request panel.

Once FastLIST returns the list of components, invoke the Group Mode Action Request panel by entering a '/' in the Group Action field. Select Option 9, Search, to build search SCL for all references to \$QSAM.

After pressing <Enter>, you will be prompted with an input panel for the search string, a replace string, and search attributes. Figure 1.18 below shows the Group Scan and Replace panel. After exiting this panel, a job will be submitted to perform the search.

```
----- FASTLIST WORKBENCH ----- Row 1 to 5 of 5
O      GROUP SCAN AND REPLACE OPTION PROMPT
O      OPTION ==>
O
O      YOU ARE IN GROUP PROCESSING MODE. ALL ELEMENTS ON THE CURRENT LIST
O      WILL BE INCLUDED IN THE SEARCH AND REPLACE SCL AS PER THE OPTIONS
O      BELOW:
O
O      SCAN.. $QSAM
O      REPLACE. . N (Y/N)
O      WITH . $QSAM1
O
O      OPTIONS:
O      PERMIT DATA TRUNCATION?. N          BYPASS GENERATE PROCESSOR. Y
O      LIST DETAILS?. . . . . N          OVERRIDE SIGNOUT . . . . . Y
O      SEARCH ENVIRONMENT. . . N (N/M/O)
O      CCID. . . . TESTING          PROCESSOR GROUP EQ . . . .
O      COMMENT . .
O      SCL DSN . . 'CIGT.TEST.PDS'
O      SCL MEM . . REPLACE
O
O      END = CANCEL   ENTER = PROCESS OPTION   PFK1 = HELP
```

Figure 1.14 Group Scan and Replace Option Prompt



# ***FastLIST 7.0***

## Chapter 2:                   The ISPF                                   Interface

This chapter contains a detailed explanation of how to use the FastLIST ISPF front end, including how to:

- Produce a list and how to create SCL.
- Perform impact analysis.
- Use Line Edit commands to edit elements and other members.
- Build and submit FastLIST report requests.
- Use Action Line commands.
- Build a package.
- Build and submit Search and Replace commands.



# How to Display Listings to the FastLIST ISPF Front end

---

## ISPF Front end Capabilities

With the ISPF front end, you can:

1. Create a list of elements meeting your search criteria. FastLIST allows searches based on CCIDs, components, date and time stamps, or other element information.
2. Edit elements or members.
3. Perform Endeavor line command actions and browse listings from a single panel.
4. Produce SCL from your list and submit it to Endeavor or store it for later use.
5. Build and submit report requests.
6. Build and submit packages.
7. Build and submit search and replace commands

FastLIST ISPF functions interactively, so you see search results instantly from search criteria that has traditionally only been available through the Endeavor batch LIST action. The FastLIST impact analysis screen accepts criteria such as "where CCID equals" and "where component equals." FastLIST also explicitly searches delta level CCIDs. Results from all of these searches are immediately written to the ISPF screen.

## Panels

The ISPF front end has been designed as a workbench. All functions and prompts come from and return to the same main panel. This approach eliminates time consuming, multi-panel select and return sequences. The majority of the panels are pop-up panels that will prompt the user through an input process. When the input process is complete the panel disappears. In addition to the main panel, there are several CUA compliant panels that prompt the user with available options.

# The Main Panel

---

The FastLIST Primary Panel consists of three areas:

- The Query Area
- The Action Area
- The Result Area

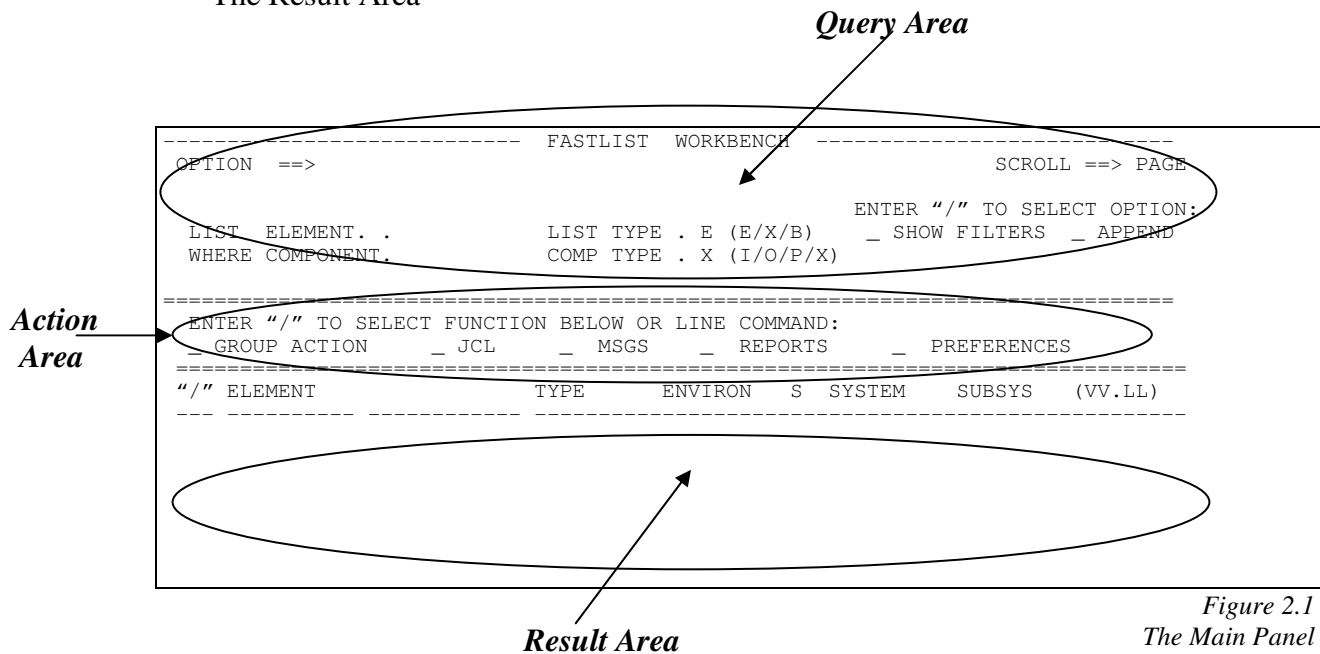


Figure 2.1  
The Main Panel

**Query Area** Search criteria are specified in the Query Area. Advanced searches (e.g., date ranges, CCID usage) are available via the pop-up filter panel. The FastLIST ISPF interface combines the traditional batch “where used” capabilities with an interactive, real-time online panel for list generation and action processing.

**Action Area** The CUA compliant Action Area allows you to call up several additional pop-up panels that allow you to perform:

- Group Mode Actions, which allow you to perform standard Endeavor actions in Batch or Foreground, and against a package.
- View and Edit the current settings for Endeavor job cards and additional JCL variables.
- View a log of informational and error messages
- Request reports. The menu for reports will include the field and lines of code reports.
- Check or update user preferences.

## Result Area

The Result Area shows a list of all elements or PDS members that match your search criteria. In addition to being able to perform standard Endeavor line commands against elements listed in the Result Area, this area also supports the CUA '/' convention. To get a selection list of options, or to select an option, enter a '/' character in a field and press enter.

## Main Panel Query Area

---

FastLIST performs an element search based on a combination of information from the Preferences Panel and the query area of the Main Panel. In addition, prior to list creation, the user will be prompted with the current Endeavor inventory search settings. FastLIST will use all the criteria from Endeavor Filter Setting Panel, as well as the criteria from the LIST section of the Preferences Panel to generate a list. The following is a display of the search section of the main ISPF panel and a description of each search related field.

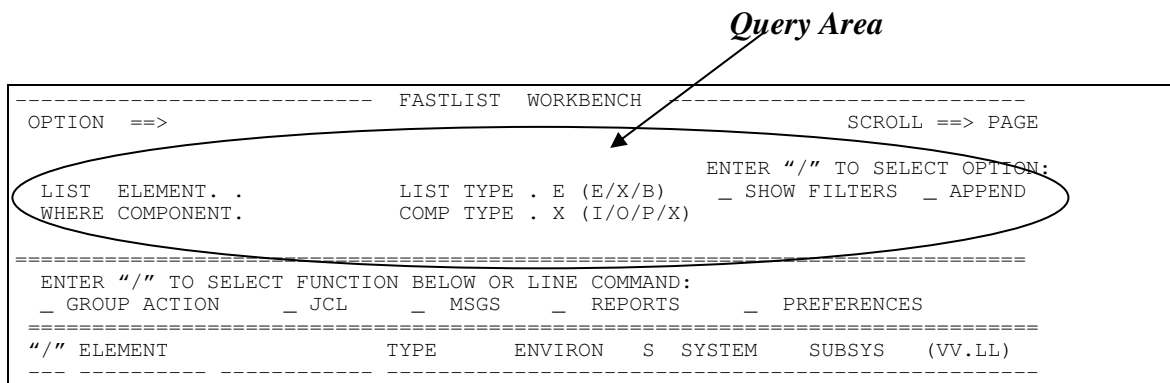


Figure 2.2  
The Search Section

| <u>Field</u>           | <u>Description</u>  |
|------------------------|---|
| <b>List Element</b>    | Element name or mask of 10 characters or fewer.   |
| <b>List Type</b>       | Endeavor (E), External dataset (X), or Both (B)   |
| <b>Where Component</b> | Component name of 10 characters or fewer. A component can be a copybook, macro, processor or Endeavor object.   |
| <b>Comp Type</b>       | One character Component type. Choices are:<br><br><b>I</b> - Input Component (copybook or macro)<br><b>O</b> - Output Component<br><b>P</b> - Processor Component<br><b>X</b> - Endeavor Object<br><br>Comp type is related to 'where component' described above. |

Show Filters      Accepts a '/'.  
Show Filters causes the Endeavor Filter Settings panel to be displayed.

Append            Accepts a '/'.  
Append allows the user to either append elements to a current list or to generate a new list.

If not selected, the existing list of elements appearing in the Result Area will be erased and any new elements found will be displayed. If no elements are found from the search, the list in the Result Area will be empty.

If selected, any new elements generated from a search will be added to the existing list of elements in the Result Area.

## Query Prompt Panels: ENDEVOR Filters

If the user requests an Endeavor List Type from the main panel, the following prompt panel will be displayed. The fields in this panel are Endeavor-specific.

```

----- FASTLIST WORKBENCH -----
O      ENDEVOR FILTER SETTINGS
OPTION ==>
ENVIRONMENT. . . . . /
SYSTEM . . . . .
SUBSYSTEM. . . . .
TYPE . . . . .
ELEMENT. . . . .
"  STAGE NUMBER . . . .
-
*  WHERE:
   USER ID. . . . .
   PROCESSOR GROUP. . .
   PACKAGE . . .
   CCID. . . . .
   CCID TYPE . . C LVLS?. . . . N
   VERSION . . . LEVEL. . . .
   GENFAIL?..... N
   ENTER DATE FILTERS. . . . . N
   INCLUDE INDIRECT COMPS? . . . N

   END = CANCEL  ENTER = PROCESS  PFK1 = HELP

                                Scroll ==> PAGE
                                Enter "/" to select option:
                                / Filters _ Append
                                )
                                =====
                                :
                                rts _ Preferences
                                =====
                                System  Subsys  (VV.LL)
                                -----
                                *****
  
```

Figure 2.4 Endeavor Filter Settings Panel.

From the Endeavor Filter panel, if you enter a ‘/’ in any of the inventory or processor group fields, you will be provided with an inventory selection table, shown below.

```

----- FASTLIST WORKBENCH -----
O      ENDEVOR FILTER SETTINGS
OPTION ==>
Inventory Selection Table
Option ==>          Scr Row 1 of 231
Enter "/" to select an inventory location:
-----
Type      Environ  System  Subsys
-----
TESTLOC   SPAIN        INTERNAL XIF2000
TESTDATA  SPAIN        INTERNAL XIF2000
TESTCODE  SPAIN        INTERNAL XIF2000
STEVE80   SPAIN        INTERNAL XIF2000
STEVE255  SPAIN        INTERNAL XIF2000
STEVEDLA  SPAIN        INTERNAL XIF2000
JCL       SPAIN        INTERNAL XIF2000
ISKELS    SPAIN        INTERNAL XIF2000
IPGMS     SPAIN        INTERNAL XIF2000

   END = CANCEL  ENTER = PROCESS  PFK1 = HELP

                                Scroll ==> PAGE
                                Enter "/" to select option:
                                filters _ Append
                                =====
                                :
                                _ Preferences
                                =====
                                (VV.LL)
                                -----
                                *****
  
```

Figure 2.5 Endeavor Inventory Selection Table

|                 |  |
|-----------------|--|
| Environment     | Endevor inventory location. Accepts 1-8 characters or '/' for prompt   |
| System          | Endevor inventory location. Accepts 1-8 characters or '/' for prompt   |
| Subsystem       | Endevor inventory location. Accepts 1-8 characters or '/' for prompt   |
| Type            | Endevor inventory location. Accepts 1-8 characters or '/' for prompt   |
| Element         | Endevor inventory location. Accepts 1-10 characters.   |
| Stage number    | Endevor inventory location.<br>Stage number is limited to a 1, 2 or '*'.   |
| Where User ID   | Accepts 1-8 characters.  |
| Processor Group | One to Eight character processor group name.   |
| Package         | Accepts up to 16 characters.   |
| CCID            | CCID associated with the element. CCID is related to the CCID type field.  |
| CCID Type       | One character CCID type. Valid values are: <ul style="list-style-type: none"> <li>C - Current CCID</li> <li>R - Retrieve CCID</li> <li>G - Generate CCID</li> <li>L - Last CCID</li> <li>D - Delta CCID</li> <li>A - Any CCID</li> </ul> |

**Delta CCID works the same even if you are using the Reverse Delta Endevor format.**

|         |  |  |
|---------|--|--|
| Version | Current element version. Accepts values from 1-99. | } Version and level accept either one or two character numeric values. |
| Level   | Current element level. Accepts values from 0-99.   |  |

|                            |  |
|----------------------------|--|
| LVLS?                      | Accepts a Y or N value.<br><br>Y” will cause all element levels that match the search criteria to be displayed on the main panel. “N” will cause only the current level to be displayed.   |
| Dates?                     | Accepts a Y or an N value.<br><br>If set to "Y", you will be prompted with the following options panel (Figure 2.6). Use this panel to enter "where date equals" search criteria. Use of this criterion requires specifying date and time fields and identifying the date/time type. The variables on this panel are reset to blanks and the DATES? field will be set to N every time you initialize FastLIST. |
| GenFail                    | Accepts a Y or an N value.<br><br>“Y” will cause only those elements assigned the Generate Failed status to be displayed on the main panel. “N” will result in the search ignoring the Generate Failed status when performing the FastLIST database search.  |
| Include Indirect<br>Comps? | Accepts a Y or an N value.<br><br>“Y” will cause components indirectly related to an element to be displayed on the main panel. “N” will cause only those elements that satisfy search criteria to be displayed on the main panel. See chapter 1 for a discussion of indirect components.  |

```

----- FASTLIST WORKBENCH -----
O          DATE AND TIME SEARCH
OPTION ==>
ENTER THE DATE, TIME AND TYPE.
ONLY DATE AND TYPE ARE REQUIRED.
=
DATE FORMAT IS  YY/MM/DD.
WHERE DATE. . .      THROUGH DATE. . .
"
TIME FORMAT IS  HH:MM.
-
*
WHERE TIME. . .      THROUGH TIME. . .
DATE TYPE . . . . G (C,G,L,D)
(CUR,GEN,LAST,OR DELTA)
END = CANCEL  ENTER = PROCESS  PFK1 = HELP
oll ==> CSR
lect option:
_ Append
=====
rences
=====
s (VV.LL)
-----
*****

```

Figure 2.6  
Where Date and Time Equals Panel

FastLIST supports century windowing on date range queries and date processing. The ISPF and batch interfaces have been modified to include a 52 based windowing technique, meaning that all two-digit year fields below 52 will be processed as 21<sup>st</sup> century dates, and all two-digit year fields above 52 will be processed as 20<sup>th</sup> century dates.

| <u>Field</u> | <u>Description</u>  |
|--------------|---|
| Date         | The start of range date or only date. YY/MM/DD format.  |
| Thrudate     | Optional. End of date range. YY/MM/DD format.   |
| Time         | Optional start of range time or only time. HH:MM format.  |
| Thrtime      | Optional. End of date range. HH:MM format   |
| Datetype     | One character date type. The choices are as follows:<br><br>G - Element Generate Date/Time<br>D - Element DELTA Date/Time (includes current source)<br>L - Last Element Modification Date/Time<br>C - Current Date/Time for the element |

## Query Prompt Panel: External Datasets

---

If the user requests an External Dataset List Type (or a combination list of Endeavor elements and External Dataset members) and the Filters option is selected on the main panel, then the following prompt panel will be displayed. Instead of seeing Endeavor inventory information in the result area the dataset will be displayed. By selecting the Append option the content of multiple datasets can be displayed together. Note that Component searches and Endeavor filter criteria do not apply to External Dataset lists.

```

----- FASTLIST WORKBENCH -----
O  EXTERNAL DATASET FILTER SETTING
   OPTION ==>
   DSN. . . 'CIGT.TEST.PDS'
   END = CANCEL   ENTER = PROCESS OPTION   PFK1 = HELP
=
=
"/" Element          Type          Environ  S  System  Subsys  (VV.LL)
-----
***** Bottom of data *****

```

*Figure 2.7  
External Dataset Prompt Panel*

| <u>Field</u> | <u>Description</u>   |
|--------------|--|
| Dsn          | Dataset name for member list. If not in quotes, then the user id will be added to the front of the dataset name. |

# Result Area

The Area shows a list of all Endeavor elements or PDS members that match your search criteria. Search criteria are specified in the Query Area of the main panel as well as in the Endeavor Filter Setting and External Dataset Filter Setting panels.

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE

LIST ELEMENT. .                          LIST TYPE . B (E/X/B)  ENTER "/" TO SELECT OPTION:
WHERE COMPONENT.                         COMP TYPE . X (I/O/P/X)  _ SHOW FILTERS  _ APPEND

=====
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION  _ JCL  _ MSGS  _ REPORTS  _ PREFERENCES
=====
"/" ELEMENT          TYPE          ENVIRON  S  SYSTEM  SUBSYS  (VV.LL)
-----
CIGRLOCM             ASM          TEST     2  FASTLIST R2M0  (01.01)
CIGR2000             ASM          TEST     2  FASTLIST R2M0  (01.03)
CIGVARS              ASM          TEST     2  FASTLIST R2M0  (01.07)
CIGVINIT             ASM          TEST     2  FASTLIST R2M0  (01.00)
CIGVUPDT             ASM          TEST     2  FASTLIST R2M0  (01.03)
CIGBSCL              CIGT.SOJR01.SRCLIB
CIGFBDAT             CIGT.SOJR01.SRCLIB
```

**Result Area**

*Figure 2.8  
Result Area of the Main Panel*

There are several line commands supported by FastLIST. The following is a brief description of each one.

### PDS Line Commands

- E - Edit a PDS Member
- B - Browse a PDS Member.

ENDEVOR Display Line Commands - The standard set of Endeavor Display line commands are supported.

- B - Browse Endeavor element.
- S - Browse element summary of levels.
- H - Browse element history.
- C - Browse element changes
- M - Browse master record.
- BX- Browse component list.
- CX- Browse component changes.
- HX- Browse component history.
- S - Browse component level summary.
- BL - Browse Endeavor listing.

Entering any of these line commands in the field to the far left of an element and pressing <Enter> will perform the desired command.

In addition to the ENDEVOR display functions, FastLIST supports the following actions at the element level:

- E - Edit an element
- A - Add
- U - Update
- G - Generate
- R - Retrieve
- # - Delete
- O - Move
- T - Transfer
- SI - Signin
- P - Print

These commands are invoked by selecting the element to process from the list with the appropriate Endeavor action character, or by selecting the element with a '/' to display the Line Action Prompt panel. These actions can be processed in batch, foreground, or used to build SCL for later use. The actions can be used in any combination. Add and Update can be invoked on PDS members.

List Content Line Commands - There are two line commands used to control the scope of Group Actions.

- X - EXCLUDES the element from SCL processing.
- I - INCLUDES the element in SCL processing, resetting a previous EXCLUDE.

By default, Group Actions apply to the full content of the current list. The Exclude command prevents an element from being included in the Group Action processing.

## Line Command Example: Editing an Element

---

The following figure (Figure 2.9) depicts a line command request to edit an element. After pressing <Enter>, you will be prompted with the line edit retrieve pop panel.

Step 1: Place an E in front of the Element to Edit.

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE

LIST ELEMENT. .                            LIST TYPE . E (E/X/B)    ENTER "/" TO SELECT OPTION:
WHERE COMPONENT.                          COMP TYPE . X (I/O/P/X)  _ SHOW FILTERS _ APPEND
-----
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION  _ JCL  _ MSGS  _ REPORTS  _ PREFERENCES
-----
"/" ELEMENT                                TYPE  ENVIRON  S  SYSTEM  SUBSYS  (VV.LL)
-----
E CIGGHJ04                                  JCL    SPAIN    2  FASTLIST R2M0  (01.34)
CIGISPF1                                  ASM    SPAIN    2  FASTLIST R2M0  (01.00)
CIGISPF2                                  ASM    SPAIN    2  FASTLIST R2M0  (01.05)
CIGISPF3                                  ASM    SPAIN    2  FASTLIST R2M0  (01.03)
CIGISPF4                                  ASM    SPAIN    2  FASTLIST R2M0  (01.00)
CIGISPF5                                  ASM    SPAIN    2  FASTLIST R2M0  (01.01)
CIGISPF6                                  ASM    SPAIN    2  FASTLIST R2M0  (01.01)
CIGISPF7                                  ASM    SPAIN    2  FASTLIST R2M0  (01.02)
CIGISPF8                                  ASM    SPAIN    2  FASTLIST R2M0  (01.07)
```

*Edit  
action* →

Figure 2.9  
Edit Request Example

## Step 2: Fill in Line Edit Retrieve Options

```
----- FASTLIST WORKBENCH ----- Row 1 to 5 of 5
O  LINE EDIT RETRIEVE OPTIONS
  OPTION ==>
  RETRIEVE OPTIONS:          PROMPT AGAIN? . . . Y
  OVERRIDE SIGNOUT . . . Y  REPLACE MEMBER. . . N
  COPY ONLY . . . . . N     EXPAND INCLUDES . . N
  SEARCH MAP . . . . . N     RETRIEVE TO DSN . . N
  CCID. . . .
  COMMENT . .
  TODSN . . . 'CIGT.TEST.PDS'
  SCL DSN . . 'CIGT.TEST.PDS'
  SCL MEM . . RETRIEVE
  END = CANCEL   ENTER = PROCESS OPTION   PFK1 = HELP
*
oll ==> CSR
lect option:
=====
rences
=====
s (VV.LL)
-----
(01.06)
(01.10)
(01.11)
(01.08)
(01.01)
*****
```

*Figure 2.10  
Line Edit Prompt*

From this prompt panel, users can set various Endeavor retrieve options. These options are fully documented in the CA-Endeavor documentation. Users should set CCIDs and all other appropriate values for the retrieve.

One default option is to retrieve to a temporary dataset. If the user wants to retrieve to a permanent dataset, then they must fill in the TODSN value.

**The SCL dataset name (DSN) and member name (MEM) must be filled in with valid information, since this SCL is used to perform the Endeavor action.**

### Step 3: Edit the Element

Once all values are entered, type END. The element will be retrieved and presented to the user in edit mode, as seen in the following diagram.

```
CIGEDIT--- CIGGHJ04/SPAIN/FASTLIST/R2M0/JCL/2 (01.00)----- COLUMNS 000 000
COMMAND ==> SCROLL ==> PAGE
***** ***** Top of Data *****
000001 /**JOB CARD
000002 /**
000003 /** ----- *
000004 /** NAME: CIGGHJ04 *
000005 /** PURPOSE: RUN THE TRANSLATE AND ADD BACK UTILITY *
000006 /** ----- *
000007 /** MODIFY THE JCL IN THE FOLLOWING WAYS: *
000008 /** 1) ADD A VALID JOB CARD *
000009 /** 2) MAKE SURE THE STEPLIB POINTS TO THE CIGINI AND THE *
000010 /** CIGFEXEC LOADMODS. IF THESE MODULES ARE IN THE LINKLST *
000011 /** THEN A STEPLIB IS NOT NEEDED. *
000012 /** 3) MODIFY DUNIT TO POINT TO A VALID UNIT VALUE FOR TEMPORARY *
000013 /** WORK FILES. IF YOU WANT TO SAVE THE ENDEVOR OR PDM SYNTAX *
000014 /** THEN MODIFY THE ALLOCATIONS TO POINT TO PERMANENT FILE. *
000015 /** ----- *
000016 /**STEP1 EXEC PGM=CIGFEXEC,PARM='CIGXLATE'
000017 /**STEPLIB DD DSN=FLHQ1.FLHQ2.LOADLIB,DISP=SHR
000018 /** ----- *
000019 /** ENDEVOR SYNTAX DDNAME. *
000020 /** BSTIPT01 IS THE DDNAME USED TO BUILD ENDEVOR SCL. *
000021 /** THE ADD ACTION IS THE DEFAULT. *
```

*Figure 2.11  
Element Edit Example*

Once the user has completed the updates, type END to add the element back into Endeavor. A CANCEL command will cancel the update. The following panel will be displayed prior to adding the element back.

Step 4: Save (Add back) the element into Endeavor

```

----- FASTLIST WORKBENCH ----- Row 1 to 7 of 7
O          LINE EDIT ADD BACK OPTIONS
OPTION ==>
ADD BACK OPTIONS:      PROMPT AGAIN? . . . . Y
TO ENV . . . SPAIN    OVERRIDE SIGNOUT . . . Y
=   SYS . . . FASTLIST  GENERATE ELEMENT . . . Y
   SBS . . . R2M0      DELETE SOURCE . . . . Y
   TYPE . . . JCL      UPDATE IF PRESENT . . . Y
=   PROCESSOR GROUP . . .
"   CCID . . .         GENERATE IN BATCH . . . N
-   COMMENT . .
E
SCL DSN . . 'CIGT.TEST.PDS'
SCL MEM . . RETRIEVE
END = CANCEL  ENTER = PROCESS OPTION  PFK1 = HELP

o11 ==> CSR
lect option:
_ Append
Switch
MAC
=====
rences
=====
s (VV.LL)
-----
(01.06)
(01.03)
(01.10)
(01.11)
(01.08)
(01.04)
(01.01)
***** Bottom of data *****

```

Figure 2.12  
Add Back Prompt

The Endeavor Add options are fully documented in the CA-Endeavor documentation.

All FastLIST edit actions result in a foreground Add action in Endeavor. The “GENERATE IN BATCH” option controls whether to submit the associated generate action separately as a batch job. After entering desired options, press <Enter> to process and return to the main panel. Pressing END at this panel will cancel the Add action completely.

**The SCL Dataset name (DSN) and member name (MEM) must be filled in with valid information, since this SCL is used to perform the Endeavor action.**

# Print Support

---

## The Print Action

The Print action is a batch-only action. To perform print-type commands in the foreground, the user should use line commands 1 through 10 from the line command prompt panel, shown previously. The print command can be used with execute modes batch, SCL, and batch packages.

The prompt panel for the Print command is as follows:

```
----- FASTLIST WORKBENCH ----- Row 1 of 15
O .----- PRINT COMMAND PROMPT ----- oll ==> PAGE
| OPTION ==> | | lect option:
| | | | | _ Append
| | | | | =====
| | | | |
| | | | | rences
| | | | | =====
| | | | | s (VV.LL)
| | | | | -----
| | | | | (01.00)
| | | | | (01.03)
| | | | | (01.01)
| | | | | (01.00)
| | | | | (01.00)
| | | | | (01.00)
| | | | | (01.00)
| | | | | (01.01)
| | | | | (01.00)
| | | | | (01.03)
| | | | | (01.00)
| | | | | (01.00)
| | | | | (01.01)
-----
ZTEST7 ASM TEST 1 SYSA SUBA (01.01)
```

Figure 2.13 Print command prompt panel

## Other Line Command Examples:

In the example below, the user has requested Generate, Delete, Retrieve, Transfer, and Move actions on five elements, all from one panel. Each action will be processed in sequence. If any action encounters an error, processing of subsequent actions will be stopped and appropriate error messages will be displayed.

```

----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE

LIST ELEMENT. .          LIST TYPE . E (E/X/B)   ENTER "/" TO SELECT OPTION:
WHERE COMPONENT.        COMP TYPE . X (I/O/P/X)  _ SHOW FILTERS _ APPEND
-----
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION  _ JCL  _ MSGS  _ REPORTS  _ PREFERENCES
-----
"/" ELEMENT              TYPE      ENVIRON  S  SYSTEM  SUBSYS  (VV.LL)
-----
G CIGISPF                ASM      SPAIN    2  FASTLIST R2M0   (01.34)
# CIGISPF1               ASM      SPAIN    2  FASTLIST R2M0   (01.00)
R CIGISPF2               ASM      SPAIN    2  FASTLIST R2M0   (01.05)
T CIGISPF3               ASM      SPAIN    2  FASTLIST R2M0   (01.03)
O CIGISPF4               ASM      SPAIN    2  FASTLIST R2M0   (01.00)
  CIGISPF5               ASM      SPAIN    2  FASTLIST R2M0   (01.01)
  CIGISPF6               ASM      SPAIN    2  FASTLIST R2M0   (01.01)
  CIGISPF7               ASM      SPAIN    2  FASTLIST R2M0   (01.02)
  CIGISPF8               ASM      SPAIN    2  FASTLIST R2M0   (01.07)
  
```

**Generate action** → G

**Delete Action** → #

**Retrieve action** → T

**Transfer action** → O

**Move action** → O

Figure 2.14 Multiple Actions

# Browsing Endeavor Listings

To browse an Endeavor listing, the user enters a BL next to an element name on the table list. The following figure shows an example of a listing request.

Step 1: Specify Browse Listing on the line action area.

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE

LIST ELEMENT. .          LIST TYPE . E (E/X/B)   ENTER "/" TO SELECT OPTION:
WHERE COMPONENT.        COMP TYPE . X (I/O/P/X)   _ SHOW FILTERS _ APPEND
-----
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION   _ JCL   _ MSGS   _ REPORTS   _ PREFERENCES
-----
"/" ELEMENT              TYPE      ENVIRON  S  SYSTEM   SUBSYS   (VV.LL)
-----
BL CIGISPF               ASM      SPAIN   2  FASTLIST R2M0   (01.34)
CIGISPF1                ASM      SPAIN   2  FASTLIST R2M0   (01.00)
CIGISPF2                ASM      SPAIN   2  FASTLIST R2M0   (01.05)
CIGISPF3                ASM      SPAIN   2  FASTLIST R2M0   (01.03)
CIGISPF4                ASM      SPAIN   2  FASTLIST R2M0   (01.00)
CIGISPF5                ASM      SPAIN   2  FASTLIST R2M0   (01.01)
CIGISPF6                ASM      SPAIN   2  FASTLIST R2M0   (01.01)
CIGISPF7                ASM      SPAIN   2  FASTLIST R2M0   (01.02)
CIGISPF8                ASM      SPAIN   2  FASTLIST R2M0   (01.07)
```

Figure 2.15 Example of Browse Listing Request

If you have coded your processor to monitor the listing as an output component, the system will query the FastLIST database for an output component that is a listing. If a listing component type is sent back, then the dataset associated with the component record will be used. If the listing is not monitored, then you will be prompted to enter in an Endeavor dataset name as in Figure 2.15.

**Compressed listings stored in CA-Endeavor E-Lib datasets cannot be viewed through this facility.**

## Step 2: Specify the Endeavor Listing Dataset

```

----- FASTLIST WORKBENCH ----- Row 1 to 7 of 7
O .----- LINE EDIT ADD BACK OPTIONS ----- . o11 ==> CSR
      LISTING DATASET ENTRY PANEL -----          lect option:
      OPTION ==>                                     _ Append
      ENTER IN THE NAME OF THE ENDEAVOR LISTING DATASET.      Switch
      =                                                    MAC
      DSN ==> 'CIGT.LISTING.DATASET'                       =====
      =                                                    rences
      " END = CANCEL   ENTER = PROCESS OPTION   PFK1 = HELP   s (VV.LL)
      - -----
      B                                                    (01.06)
      CIGFIELD          ASM      SPAIN    1  FASTLIST  R2M0   (01.03)
      CIGFLOD1          ASM      SPAIN    1  FASTLIST  R2M0   (01.10)
      CIGFLOD2          ASM      SPAIN    1  FASTLIST  R2M0   (01.11)
      CIGFLOD2          ASM      SPAIN    2  FASTLIST  R2M0   (01.08)
      CIGIJSVA          ASM      SPAIN    1  FASTLIST  R2M0   (01.04)
      CIGQDBSW          IPANELS  SPAIN    2  FASTLIST  R2M0   (01.01)
      ***** Bottom of data *****

```

Figure 2.16 Listing Dataset Entry Panel

This panel is processed somewhat differently than the other dataset prompt panels. Like the other panels, the system will append the user id in front of the dataset, if there are no quotes. However, the system will not attempt to allocate or validate the file, because the dataset is usually owned by Endeavor and not available to non-Endeavor access.

The system will take this dataset name and access the listing through an Endeavor print action. The result of the action will be displayed in a standard ISPF browse session. When done with the listing, press END to return to the main FastLIST menu.

## Action Area: Performing Endeavor Group Actions

---

In addition to being able to perform all major Endeavor actions against individual elements listed in the Result Area, you can also perform Group actions, by typing a '/' in the Group Action field as shown below.

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE

                                ENTER "/" TO SELECT OPTION:
LIST ELEMENT. CIG*.                LIST TYPE . E (E/X/B)  _ SHOW FILTERS  _ APPEND
WHERE COMPONENT.                   COMP TYPE . X (I/O/P/X)
=====
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
/ GROUP ACTION  JCL  _ MSGS  _ REPORTS  _ PREFERENCES
=====
"/" ELEMENT                TYPE        ENVIRON  S  SYSTEM  SUBSYS  (VV.LL)
-----
CIGISPF                    ASM         SPAIN    2  FASTLIST R2M0   (01.34)
CIGISPF1                   ASM         SPAIN    2  FASTLIST R2M0   (01.00)
CIGISPF2                   ASM         SPAIN    2  FASTLIST R2M0   (01.05)
CIGISPF3                   ASM         SPAIN    2  FASTLIST R2M0   (01.03)
CIGISPF4                   ASM         SPAIN    2  FASTLIST R2M0   (01.00)
CIGISPF5                   ASM         SPAIN    2  FASTLIST R2M0   (01.01)
CIGISPF6                   ASM         SPAIN    2  FASTLIST R2M0   (01.01)
CIGISPF7                   ASM         SPAIN    2  FASTLIST R2M0   (01.02)
CIGISPF8                   ASM         SPAIN    2  FASTLIST R2M0   (01.07)
```

Figure 2.17 Endeavor Group Actions

## Example: Generate Actions

When the user selects the Generate command in the group action field, the following prompt panel is displayed. There are some special functions on the generate panel that should be pointed out. The set copyback location option will allow the user to specify a target location for copyback. If the user specifies COPY BACK = Y, and they specify SET COPYBACK LOC = Y, then the system will override the current inventory values for the elements.

```

O
  LINE COMMAND GENERATE OPTION PROMPT
OPTION ==>
  FROM ENV. . . SPAIN
  SYS. . . FASTLIST
  SBS. . . R2M0
  TYPE . . JCL
  STG# . . 2
  ELEMENT. CIGDBJ01
-
REGULAR OPTIONS:
  OVERRIDE SIGNOUT . . Y
  SEARCH MAP . . . . N
  PROCESSOR GROUP. . .
  COPY BACK. . . . . N
  SET COPYBACK LOC . . N (Y/N)
  CCID. . . .
  COMMENT . .
-
COPYBACK LOCATION:
  ENV. . .
  SYS. . .
  SBS. . .
  TYPE . .
  STG. . .
  (01.06)
  (01.03)
  (01.10)
  (01.11)
  (01.08)
  (01.04)
  (01.01)
*****
END = CANCEL   ENTER = PROCESS OPTION   PFK1 = HELP
  
```

Figure 2.18 Explanation of Copyback Feature

Prior to displaying the panel, the system, subsystem, and type fields will always be cleared. It is advised that you not use these fields unless generating all elements of the same type and the target inventory definitions change lower in the map. A typical usage of this feature would be to create a list of elements that use a macro/copybook. Once that list is available, you would request a Generate with copyback, setting the location to stage 1 in the test regions.



# Running Actions in Batch

---

Submitting actions for multiple elements is as simple as specifying the action desired, confirming the options to be used in the actions, and allowing the job to submit. The process of steps for performing these actions are

Step 1: Set Your Job card.

Select the JCL function in the Group Action area to display the JCL Setup panel. Space is provided for four jobcards that will be used for batch job execution. Depending on how the product has been installed, these may be filled with the same values used by Endeavor. More information on this option is available in the “JCL and Job Card Setup” section below.

Step 2: Build the list of elements to be processed.

Using the LIST ELEMENT option on the FastLIST main panel, identify the elements you wish to invoke the action on. The content of the list is important because the Group Action selected will apply to all elements listed unless they are specifically excluded.

```
----- FASTLIST WORKBENCH -----
OPTION ==>                                SCROLL ==> PAGE
                                     ENTER "/" TO SELECT OPTION:
LIST ELEMENT. .CIG*                      LIST TYPE . E (E/X/B)  _ SHOW FILTERS  _ APPEND
WHERE COMPONENT.                          COMP TYPE . X (I/O/P/X)
=====
ENTER "/" TO SELECT FUNCTION BELOW OR LINE COMMAND:
_ GROUP ACTION    _ JCL    _ MSGS    _ REPORTS    _ PREFERENCES
=====
"/" ELEMENT              TYPE      ENVIRON  S  SYSTEM    SUBSYS    (VV.LL)
-----
CIGISPF                  ASM      SPAIN    2  FASTLIST  R2M0     (01.34)
CIGISPF1                 ASM      SPAIN    2  FASTLIST  R2M0     (01.00)
CIGISPF2                 ASM      SPAIN    2  FASTLIST  R2M0     (01.05)
CIGISPF3                 ASM      SPAIN    2  FASTLIST  R2M0     (01.03)
CIGISPF4                 ASM      SPAIN    2  FASTLIST  R2M0     (01.00)
CIGISPF5                 ASM      SPAIN    2  FASTLIST  R2M0     (01.01)
CIGISPF6                 ASM      SPAIN    2  FASTLIST  R2M0     (01.01)
CIGISPF7                 ASM      SPAIN    2  FASTLIST  R2M0     (01.02)
CIGISPF8                 ASM      SPAIN    2  FASTLIST  R2M0     (01.07)
```

Figure 2.18 Building an element list

Step 3: Type '/' in the Group Action field.

Entering this action signals FastLIST to bring up the Group Mode Action Request panel, where you will select an action. The Execution Options control whether the job will be submitted in Batch, Foreground, or Not submitted at all.

To submit the action in batch, after specifying the action to be performed, Select Execution Option 1, Batch, and press <Enter>.

```

----- FASTLIST WORKBENCH ----- Row 1 to 13 of 88
O      Group Mode Action Request      Scroll ==> CSR
Option ==>                          to select option:
                                      rs  _ Append
                                      =====
Actions:                               Execution Options:
=      1.  Add.....A      2      1.  Batch
      2.  Update.....U      2      2.  Batch packages
      3.  Retrieve..... R      3.  Foreground
"      4.  Generate..... G      4.  SCL only
-      5.  Move..... O
      6.  Delete..... #      Enter "/" to select option:
      7.  Transfer..... T      /  Edit SCL
      8.  Signin.....SI      /  Option Prompt
      9.  Search.....SR      /  Edit JCL
      10. Print.....P
      11. User Action....UA
Select an action and other optional settings
and then press ENTER to process.
BETACCCC      TESTDATA  GREEN      1  INTERNAL  TESTCASE (01.00)
BETADDDD      TESTDATA  GREEN      2  INTERNAL  TESTCASE (01.00)
BETADDDD      TESTDATA  GREEN      1  INTERNAL  TESTCASE (00.45)
Preferences
=====
Subsys (VV.LL)
-----
TESTCASE (01.00)
TESTCASE (01.02)
CIBC (01.00)
TESTCASE (00.45)
TESTCASE (00.03)
TESTCASE (01.00)
CIBC (01.00)
CIBC (01.03)
TESTCASE (00.45)
TESTCASE (00.45)
TESTCASE (01.00)
TESTCASE (00.45)

```

Figure 2.19 Selecting an Action in batch

# JCL and Job Card Setup

---

## Step 1: Set Your Job Card.

Actions submitted in batch from the FastLIST screens utilize three file tailoring skeletons:

1. C1SB3000
2. CESSRCH
3. C@SBATPK

Any variables required by ENDEVOR to expand these skeletons are available in FastLIST. To include the message and trace ddnames from FastLIST into any of these skeletons, modify the "additional JCL" variables from the JCL panel as in the example below.

**Additional JCL is always included in job submissions, so remember to comment out any DD statements that are not regularly needed.**

```
----- JCL SETTING FOR FILE TAILORING ----ROW 1 TO 8 OF 20
COMMAND ===>

END = RETURN AND SAVE      PFK1 = HELP

JOB CARDS FOR ALL FILE TAILORING:
=====>//CIG01A JOB (810001), 'CIG-',CLASS=4,MSGCLASS=H,NOTIFY=CIG01,
=====>//          REGION=0M
=====>//*
=====>//*

SCL DSN: 'CIGT.TEST.PDS'
MEMBER:  TEMP

ADDITIONAL JCL FOR ALL FILE TAILORING:
=====>//CIGOUT DD  SYSOUT=*
=====>//CIGTRACE DD  DUMMY
=====>//*IGINI DD  DISP=SHR,DSN=CIGT.XIFR01.LOADLIB(BIGDATA)
=====>
=====>
=====>
=====>
=====>
```

*Figure 2.20  
JCL Skeleton*

# Setting Your Preferences from the Action Area

---

The Preferences Panel contains many of the user defaults for option settings, default inventory locations for searches, sources, and more.

```
----- FASTLIST OPTION DEFAULT SETTINGS -----
OPTION ==>

THIS PANEL DISPLAYS THE CURRENT SETTING FOR EACH OF THE ENDEVOR AND FASTLIST
OPTIONS. USERS CAN MODIFY VALUES ON THIS PANEL, OR WAIT UNTIL PROMPTED.

FASTLIST OPTIONS:
LIST TYPE ==> B  FILTER PROMPT ==> Y  OPTION PROMPT ==> Y  EXEC MODE ==> B

LINE EDIT OPTIONS:
BATCH GENERATE ==> Y  RETRIEVE TO DSN ==> N  PROMPT AGAIN? ==> Y

ENDEVOR OPTIONS:
OVERRIDE SIGNOUT ==> Y  SEARCH MAP ==> N  SYNC ==> N
COPY ONLY ==> Y  COPYBACK ==> N  JUMP ==> N
REPLACE MEMBER ==> N  GENERATE ELEMENT ==> Y  WITH HISTORY ==> N
EXPAND INCLUDES ==> N  DELETE SOURCE ==> N  UPDATE IF ==> N
SIGNIN ==> Y  DELETE ELEMENT ==> Y  RUN DEL PROC ==> Y
RETAIN SIGNOUT ==> N  IGNORE GEN FAIL ==> N  DEL COMP ONLY ==> N
SIGNOUT TO USER ==>  PROCESSOR GROUP EQ ==>

SCL REQUEST DATASET: 'CIGT.TEST.PDS'
SCL REQUEST MEMBER:  TEMP
```

*Figure 2.21  
The Preferences Panel*

## FastLIST Options

- |               |   |
|---------------|---|
| List Type     | The default list type for FastLIST. Options are E (Endevor), X (external dataset), or B (both). |
| Filter Prompt | The default value for the filter flag.  |
| Option Prompt | The default value of the Option prompt.   |
| Exec Mode     | The default submission mode for actions.  |

## Line Edit Options

Batch Generate The default value for the Batch Generate option on the Add action options panel.

Retrieve to DSN The default value for what type of dataset to retrieve into, temporary or permanent.

Prompt Again? The default value for the Prompt Again option on the Line Edit options panel. This option controls whether the same options are to be used when multiple elements are selected for editing.

## Endevor Options

The Endevor options are identical to the options available in the Endevor product and are fully described in the CA-Endevor documentation.

# Requesting FastLIST Reports from the Action Area

The user can also request FastLIST reports from the Endeavor ISPF Interface. Select the Reports function in the Group Action area and press <Enter>. The FastLIST reports selection screen will be displayed.

The following figure displays the FastLIST Report Selection Panel. Enter 'S' on one or more of the report selections and set inventory filters.

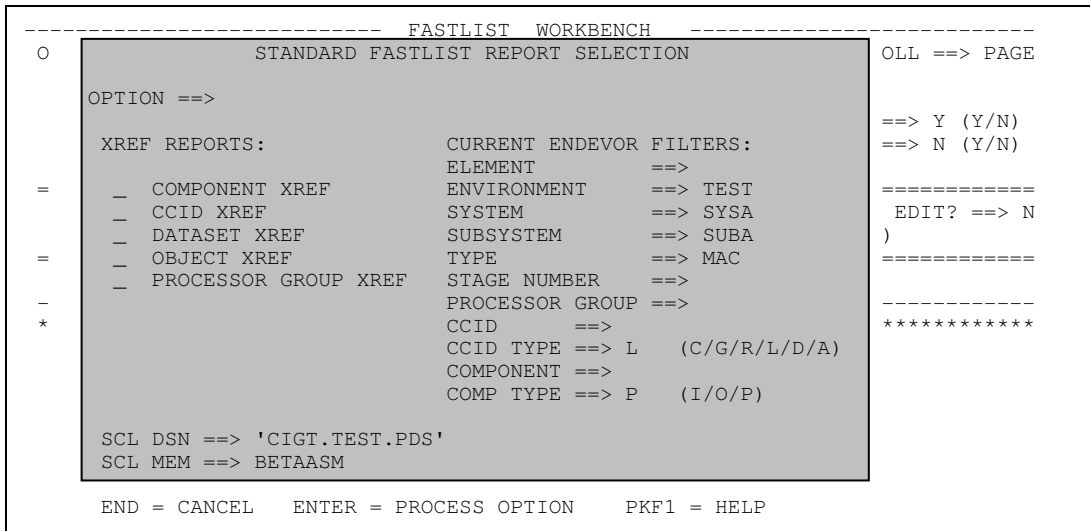


Figure 2.22  
FastLIST Report Submission Panel

Multiple report requests will be built and submitted in one job. The job card values setup on the JCL screen will be used for the JCL. Skeleton CIGSKL03 will be used for the file tailoring. This skeleton should have been modified during implementation.

## XREF Reports

| <u>Field</u> | <u>Description</u> |
|--------------|--------------------|
|--------------|--------------------|

|                          |   |
|--------------------------|---|
| Current Endeavor Filters | The fields in this section of the panel control the scope of the reports by Endeavor inventory information. All options under this heading can be masked or wildcarded. |
|--------------------------|---|

|                |  |
|----------------|--|
| Summaries Only | This option will suppress the detailed content of the report and produce summary information only. |
|----------------|--|

|                    |  |
|--------------------|--|
| SCL DSN and Member | A valid dataset name and member name are required for submitting the report request. |
|--------------------|--|

## Using the Package Interface

---

From the Group Mode Action Request Panel, select Execution Option 2, Batch Package. You will be prompted with the Create or Modify Package panel shown below in Figure 2.23. Note that unless cancelled, this execution mode will always submit a job to invoke Batch Package functions to define the package. Additional package functions are controlled by the package execution options on this prompt panel.

From this panel, you would enter:

- ❶ a package ID
- ❷ package description, and
- ❸ specify which package actions to invoke.
- ≠ specify package options to enable

```

----- FASTLIST WORKBENCH ----- Row 1 to 12 of 15
0 .----- Group Mode Action Request ----- Scroll ==> PAGE
  | Option ==> |----- Package Prompt Panel -----|
  | Command ==>|
  | |-----|
  | | Enter the package name and description to be used to create |
  | | or modify the package: |
  | |-----|
  | | Package id. .FOREDS |
  | | Description THIS IS THE NEW PACKAGE INPUT PANEL |
  | |-----|
  | | Enter '/' to select actions and attributes: |
  | |-----|
  | | Actions: | Attributes: |
  | | _ Reset if existing package / Enable backout |
  | | / Cast package _ Validate components (W) |
  | | _ Approve package _ Package is sharable |
  | | _ Execute package _ Build as emergency package |
  | | | _ On modify, append SCL |
  | |-----|
  | | End = Exit Enter = Process Pfl = Help |
  | |-----|
  | ZTEST6 ASM TEST 2 SYSA SUBA (01.00) |
  |-----|
  
```

Figure 2.23 Build Package Panel

Package ID: Package name. Accepts up to 16 characters.

Description: Package description. Accepts up to 50 characters.

Package Actions:

Reset: Resets an existing package to Endeavor IN-EDIT status.

Cast: Locks package to prevent further element modifications.

Approve: Invoke an Approve action on the package after the case

Execute: Invoke a Execute action for the package

Package Attributes:

Enable Backout: Creates Back-out members during execution of pkg

Validate component: Ensures all components used are promoted with change.

Package sharable: Ensures others can update/reset package.

On Modify Append: If SCL already exists in Package append new SCL to it.

## Exiting the FastLIST Workbench

---

When the user presses the End Key ( PF3) to exit the ISPF session, they will now be prompted with an exit confirmation panel. This will keep users from exiting the ISPF application by accident.

The following an example of the new FastLIST Exit Confirmation Panel:

```
----- FASTLIST WORKBENCH -----
O |----- FastLIST Exit Confirmation Prompt Panel -----| l ==> PAGE
  | Option ==>                                           | ct option:
  |                                                     | Append
  |   You are about to exit the current FastLIST ISPF session. | witch
  |   Please choose one of the following options:         |
  |                                                     | =====
  |   Press End to Return to the main FastLIST panel.   | nces
  |   Press Enter to Exit the FastLIST session.         | =====
  |                                                     | (VV.LL)
  |                                                     | -----
  | End = Return to session   Enter = Exit FastLIST session | *****
  |-----|
```

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