

# ASG-Estimate™ Installation Guide

Version 7.0

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## Preface

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This *ASG-Estimate Installation Guide* provides information about the installation and maintenance of ASG-Estimate (herein called Estimate). Estimate is a tool for estimating the cost of code conversion projects that span your business Enterprise. Use Estimate to define your organization and business applications, develop and apply change criteria, and produce an estimate of resources required for the project.

Estimate creates a database to answer these conversion project questions:

- How many items?
- How big is the overall effort?
- How complex are the tasks?

This information is then analyzed and managed based on unique site requirements and environment.

Allen Systems Group, Inc. (ASG) provides professional support to resolve any questions or concerns regarding the installation or use of any ASG product. Telephone technical support is available around the world, 24 hours a day, 7 days a week.

ASG welcomes your comments, as a preferred or prospective customer, on this publication or on any ASG product.

## About this Publication

This publication consists of these chapters:

- [Chapter 1, "Introduction,"](#) gives an overview Estimate, its operating system, and the systems it supports.
- [Chapter 2, "Estimate Customization,"](#) discusses some of the customization options available in Estimate.

## Related Publications

The documentation library for ASG-Estimate consists of these publications (where *nn* represents the product version number):

- *ASG-Application Definition and Analysis User's Guide (ALL0200-*nn*)* describes defining and analyzing an application in ASG-Alliance, ASG-Recap, and ASG-Estimate.
- *ASG-Center Installation Guide (CNX0300-*nn*)* describes installation and customization procedures for ASG-Center. ASG-Center must be installed before installing ASG-Estimate.
- *ASG-Estimate Installation Guide (TMX0300-*nn*)* provides information about the installation and maintenance of ASG-Estimate.
- *ASG-Estimate User's Guide (TMX0200-*nn*)* describes how to use ASG-Estimate to measure the complexity, financial, and resource impacts of code conversion projects.
- *ASG-ESW Enhancement Summary (ESW1000-*nn*)* highlights the new functionality for this release.

**Note:** \_\_\_\_\_

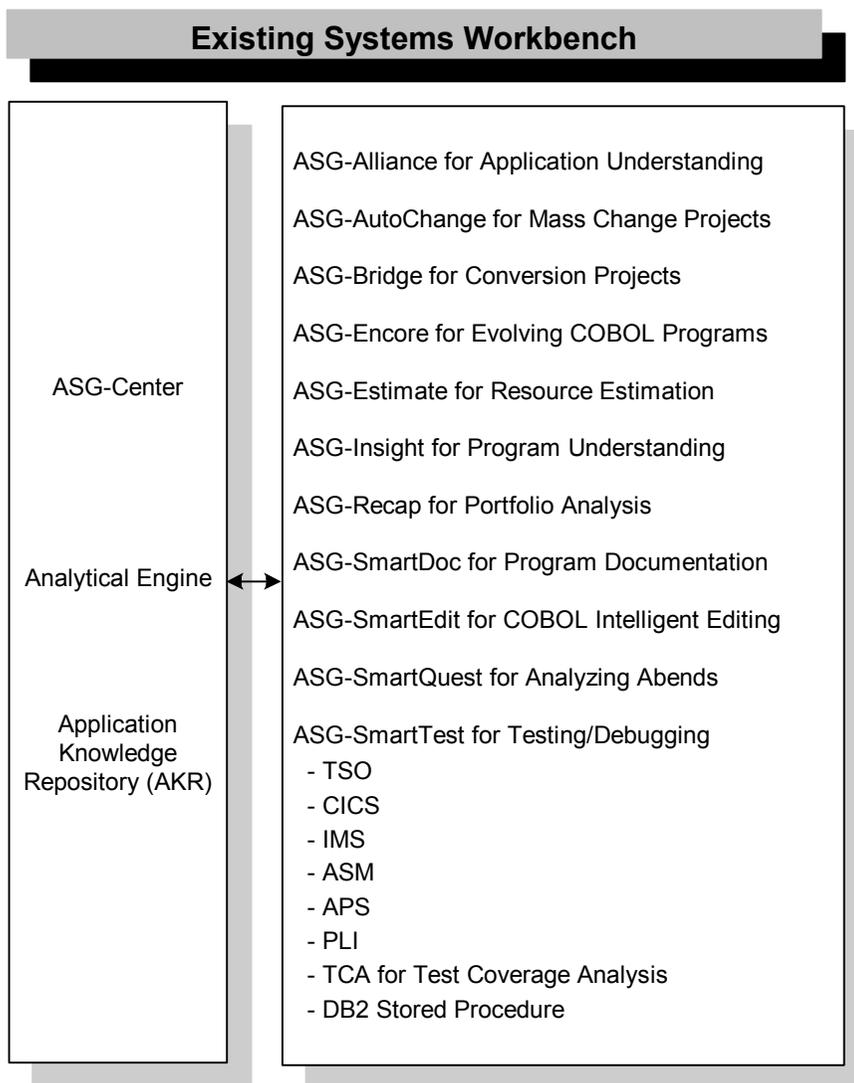
To obtain a specific version of a publication, contact ASG Customer Support.

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## ASG-Existing Systems Workbench (ASG-ESW)

ASG-ESW (herein called ESW) is an integrated suite of components designed to assist organizations in enhancing, redeveloping, or re-engineering their existing systems. ESW products use the Application Knowledge Repository (AKR) to store source program analysis information generated by the Analytical Engine. [Figure 1](#) represents the components of ESW.

Figure 1 • ASG Existing Systems Workbench



This table contains the name and description of each ESW component:

ESW Product	Herein Called	Description
ASG-Alliance	Alliance	The application understanding component that is used by IT professionals to conduct an analysis of every application in their environment. Alliance supports the analysis and assessment of the impact of change requests upon an entire application. Alliance allows the programmer/analyst to accurately perform application analysis tasks in a fraction of the time it would take to perform these tasks without an automated analysis tool. The impact analysis from Alliance provides application management with additional information for use in determining the resources required for application changes.
ASG-AutoChange	AutoChange	The COBOL code change tool that makes conversion teams more productive by enabling quick and safe changes to be made to large quantities of code. AutoChange is an interactive tool that guides the user through the process of making source code changes.
ASG-Bridge	Bridge	The bridging product that enables field expansion for program source code, without being required to simultaneously expand the fields in files or databases. Because programs are converted in smaller groups, or on a one-by-one basis, and do not require file conversion, testing during the conversion process is simpler and more thorough.
ASG-Center	Center	The common platform for all ESW products. Center provides the common Analytical Engine to analyze the source program and store this information in the AKR. This common platform provides a homogeneous environment for all ESW products to work synergistically.

ESW Product	Herein Called	Description
ASG-Encore	Encore	The program re-engineering component for COBOL programs. Encore includes analysis facilities and allows you to extract code based on the most frequently used re-engineering criteria. The code generation facilities allow you to use the results of the extract to generate a standalone program, a callable module, a complement module, and a CICS server. Prior to code generation, you can view and modify the extracted Logic Segment using the COBOL editor.
ASG-Estimate	Estimate	The resource estimation tool that enables the user to define the scope, determine the impact, and estimate the cost of code conversion for COBOL, Assembler, and PL/I programs. Estimate locates selected data items across an application and determines how they are used (moves, arithmetic operations, and compares). Time and cost factors are applied to these counts, generating cost and personnel resource estimates.
ASG-Insight	Insight	The program understanding component for COBOL programs. Insight allows programmers to expose program structure, identify data flow, find program anomalies, and trace logic paths. It also has automated procedures to assist in debugging program abends, changing a computation, and resolving incorrect program output values.
ASG-Recap	Recap	The portfolio analysis component that evaluates COBOL applications. Recap reports provide function point analysis and metrics information, program quality assessments, intra-application and inter-application comparisons and summaries, and historical reporting of function point and metrics information. The portfolio analysis information can also be viewed interactively or exported to a database, spreadsheet, or graphics package.
ASG-SmartDoc	SmartDoc	The program documentation component for COBOL programs. SmartDoc reports contain control and data flow information, an annotated source listing, structure charts, program summary reports, exception reports for program anomalies, and software metrics.

ESW Product	Herein Called	Description
ASG-SmartEdit	SmartEdit	The COBOL editing component that can be activated automatically when the ISPF/PDF Editor is invoked. SmartEdit provides comprehensive searching, inline copybook display, and syntax checking. SmartEdit allows you to include an additional preprocessor (for example, the APS generator) during syntax checking. SmartEdit supports all versions of IBM COBOL, CICS, SQL, and CA-IDMS.
ASG-SmartQuest	SmartQuest	The diagnostic tool for analyzing batch and CICS transaction abends. SmartQuest has been designed to make the maximum use of simple point-and-shoot techniques to enable fast and easy navigation through any data dump.
ASG-SmartTest	SmartTest	The testing/debugging component for COBOL, PL/I, Assembler, and APS programs in the TSO, MVS Batch, CICS (including file services), and IMS environments. SmartTest features include program analysis commands, execution control, intelligent breakpoints, test coverage, pseudo code with COBOL source update, batch connect, disassembled object code support, and full screen memory display.

## Invoking ESW Products

The method you use to invoke an ESW product depends on your system setup. If you need assistance to activate a product, see your systems administrator. If your site starts a product directly, use the ISPF selection or CLIST as indicated by your systems administrator. If your site uses the ESW screen to start a product, initiate the ESW screen using the ISPF selection or CLIST as indicated by your systems administrator and then typing in the product command on the command line.

The product names can also vary depending on whether you access a product directly or through ESW. See ["ESW Product Integration" on page ix](#) for more information about using ESW.

To initialize ESW products from the main ESW screen, select the appropriate option on the action bar pull-downs or type the product shortcut on the command line.

Product Name (ESW Name)	Shortcut	ESW Pull-down Options
Alliance (Application Understanding)	AL	Understand ▶ Application
AutoChange (Conversion Set)	CC	Change ▶ Conversion Set
Bridge	BR	Change ▶ ASG-Bridge
Encore (Program Re-engineering)	EN	Re-engineer ▶ Program
Estimate	ES	Measure ▶ ASG-Estimate
Insight (Program Understanding)	IN	Understand ▶ Program
Recap (Portfolio Analysis)	RC	Measure ▶ Portfolio
SmartDoc (Program Documentation)	DC	Document ▶ Program
SmartEdit	SE	Change ▶ Program <b>Or</b> Change ▶ Program with Options
SmartQuest	SQV	Understand ▶ Abend/Dump
SmartTest (Testing/Debugging)	ST	Test ▶ Module/Transaction

## ESW Product Integration

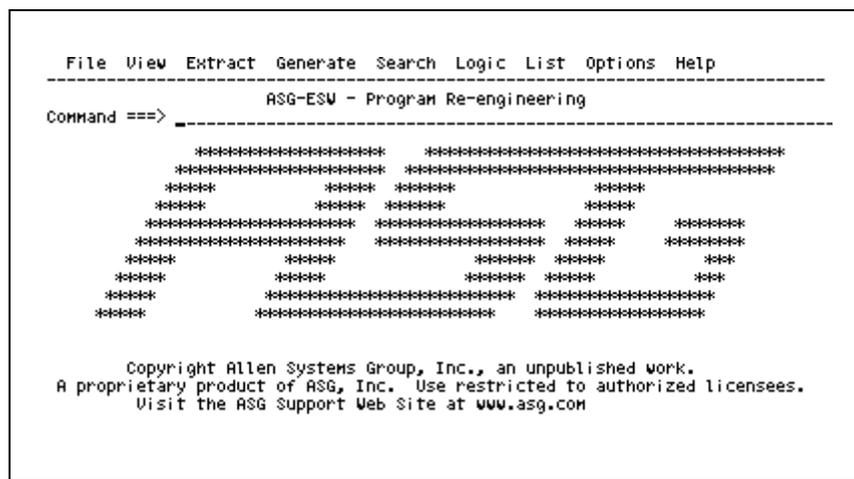
Because ESW is an integrated suite of products, you are able to access individual ESW products directly, or through the main ESW screen. As a result, different fields, values, action bar options, and pull-down options display on a screen or pop-up depending on how you accessed the screen or pop-up.

Certain ESW products also contain functionality that interfaces with other ESW products. Using SmartTest as an example, if Alliance is installed, SmartTest provides a dynamic link to Alliance that can be used to display program analysis information. If Insight is installed and specified during the analyze, the Insight program analysis functions are automatically available for viewing logic/data relationships and execution path. For example, the Scratchpad option is available on the Options pull-down if you have Insight installed.



[Figure 3](#) shows the Encore Primary screen that displays when you access Encore through ESW by selecting Re-engineer ► Program from the ESW action bar menu. Notice that the Primary screen name changes to ASG-ESW - Program Re-engineering when you enter Encore through ESW. Also, the Logic menu item displays if Insight is installed.

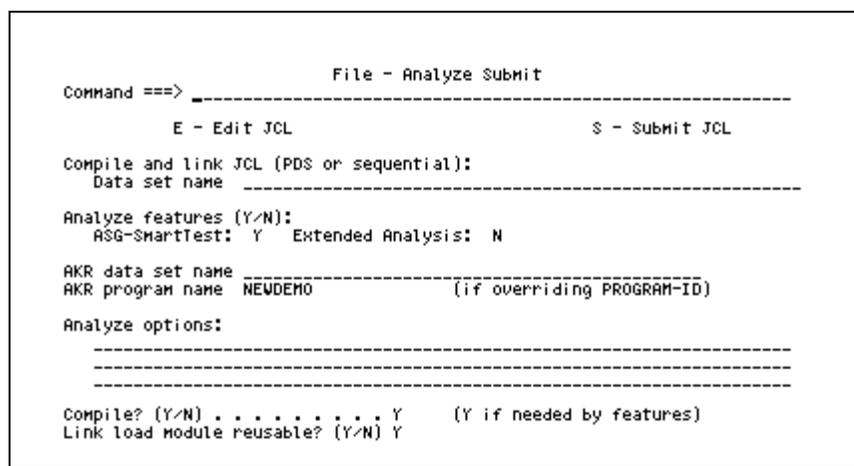
**Figure 3 • ESW Encore Primary Screen**



**Example 2**

[Figure 4](#) shows the File - Analyze Submit pop-up that displays when you access SmartTest directly. [Figure 5 on page xii](#) shows the File - Analyze Submit pop-up that displays when you access SmartTest through ESW.

**Figure 4 • File - Analyze Submit Screen**



The actions shown on these screens can also vary. For example, the D - Doc Options action is only available on the File Prepare Program screen (or File - Analyze Submit screen) if SmartDoc is installed on your system. In [Figure 4 on page xi](#), the Doc Options action is not displayed.

**Figure 5 • ASG-ESW - Prepare Program Screen (accessed through ESW)**

```

ASG-ESW - Prepare Program
Command ==> -----
          E - Edit JCL   S - Submit JCL   D - Doc Options

Compile and link JCL (PDS or sequential):
Data set name -----

Analyze features (Y/N):
  Understand: N  Test: Y  Extended Analysis: N  Document: N
  Re-engineer: N  Abend/Dump: N
AKR data set name -----
AKR program name  NEUDEMO ----- (if overriding PROGRAM-ID)

Analyze options:
-----
-----

Compile? (Y/N) . . . . . Y      (Y if needed by features)
Link load module reusable? (Y/N) Y      (Test and Abend/Dump only)
    
```

Notice that the Analyze features field in [Figure 5](#) lists additional ESW products than shown on [Figure 4 on page xi](#). This field is automatically customized to contain the ESW products you have installed on your system. These are the names of the analyze types:

Analyze Type	Analyze Type (ESW)
ASG-Encore	Re-engineer
ASG-Insight	Understand
ASG-SmartDoc	Document
ASG-SmartQuest	Abend/Dump
ASG-SmartTest	Test
Extended Analysis (ASG-SmartTest with Insight installed)	Extended Analysis

## Publication Conventions

ASG uses these conventions in technical publications:

Convention	Represents
ALL CAPITALS	Directory, path, file, dataset, member, database, program, command, and parameter names.
Initial Capitals on Each Word	Window, field, field group, check box, button, panel (or screen), option names, and names of keys. A plus sign (+) is inserted for key combinations (e.g., Alt+Tab).
<i>lowercase italic monospace</i>	Information that you provide according to your particular situation. For example, you would replace <i>filename</i> with the actual name of the file.
Monospace	Characters you must type exactly as they are shown. Code, JCL, file listings, or command/statement syntax. Also used for denoting brief examples in a paragraph.
Vertical Separator Bar ( ) with underline	Options available with the default value underlined (e.g., Y  <u>N</u> ).
<u>Underline</u>	Denotes a cursor-selectable field or line.

## ASG Customer Support

ASG provides support throughout the world to resolve questions or problems regarding installation, operation, or use of our products. We provide all levels of support during normal business hours and emergency support during non-business hours.

**ASG Third-party Support.** ASG provides software products that run in a number of third-party vendor environments. Support for all non-ASG products is the responsibility of the respective vendor. In the event a vendor discontinues support for a hardware and/or software product, ASG cannot be held responsible for problems arising from the use of that unsupported version.

### Intelligent Support Portal (ISP)

Online product support is available at: <http://www.asg.com/support/support.asp> via the ASG Intelligent Support Portal (ISP). Your logon information for ISP online support is:

Customer ID = *NNNNNNNNNN*

Password = *XXXXXXXXXX*

where:

*NNNNNNNNNN* is your customer ID supplied by ASG Product Distribution.  
*XXXXXXXXXX* is your unique password supplied by ASG Product Distribution.

The *ASG-Intelligent Support Portal User's Guide* provides instructions on how to use the ISP and is located on the ASG Support web page.

## **Telephone Support**

To expedite response time, please have this information ready:

- Product name, version number, and release number
- List of any fixes currently applied
- Any alphanumeric error codes or messages written precisely as displayed
- A description of the specific steps that immediately preceded the problem
- Verify whether you received an ASG Service Pack or cumulative service tape for this product. It may include information to help you resolve questions regarding installation of this ASG product. The Service Pack instructions are in a text file on the distribution media included with the Service Pack. You can access the latest software corrections and Service Packs via the ISP.
- The severity code (ASG Customer Support uses an escalated severity system to prioritize service to our clients. The severity codes and their meanings are listed below.)

### **Severity Codes and Expected Support Response Times**

<b>Severity</b>	<b>Meaning</b>	<b>Expected Support Response Time</b>
1	Production down, critical situation	Within 30 minutes
2	Major component of product disabled	Within 2 hours
3	Problem with the product, but customer has work-around solution	Within 4 hours
4	"How-to" questions and enhancement requests	Within 4 hours

**Business Hours Support**

<b>Your Location</b>	<b>Phone</b>	<b>Fax</b>	<b>E-mail</b>
<b>United States and Canada</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>Asia</b>	800.354.3578	703.464.4901	support.au@asg.com
<b>Australia</b>	1800.637.947 or 61.3.9645.8500	61.3.9645.8077	support.au@asg.com
<b>Denmark</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>England</b>	00.800 3544 3578 or 44.1727.736305	44.1727.812018	support.uk@asg.com
<b>France</b>	00.800 3544 3578 or 33.141.028590	33.141.028589	support.fr@asg.com
<b>Germany</b>	00.800 3544 3578 or 49.89.45716.200	49.89.45716.400	support.de@asg.com
<b>Hong Kong</b>	800.96.2800	703.464.4901	support.au@asg.com
<b>Indonesia</b>	001.803.61.812	703.464.4901	support.au@asg.com
<b>Ireland</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>Israel / Bezeq</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>Italy</b>	00.800 3544 3578 or 39.0290.4500.25		support.it@asg.com
<b>Japan / Telecom</b>	800.354.3578	703.464.4901	support.au@asg.com
<b>Malaysia</b>	1800.80.4884		support.au@asg.com
<b>Netherlands</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>New Zealand</b>	800.354.3578	703.464.4901	support.au@asg.com
<b>Philippines</b>	1800.1.611.0039		support.au@asg.com
<b>Singapore</b>	00.800 3544 3578 or 65.332.2922	65.337.7228	support.sg@asg.com
<b>South Africa</b>	00.800 3544 3578 or 00.800.201.423		support.sa@asg.com
<b>South Korea</b>	800.354.3578	703.464.4901	support.au@asg.com
<b>Sweden / Telia</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>Switzerland</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com

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**ASG-Estimate Installation Guide**

<b>Your Location</b>	<b>Phone</b>	<b>Fax</b>	<b>E-mail</b>
<b>Thailand</b>	001.800.61.4929 or 800.775.5675	703.464.4901	support.au@asg.com
<b>United Kingdom</b>	800.354.3578 or 800.775.5675	703.464.4901	support@asg.com
<b>All other countries:</b>	1.239.435.2201		support@asg.com

**Non-Business Hours - Emergency Support**

<b>Your Location</b>	<b>Phone</b>	<b>Your Location</b>	<b>Phone</b>
<b>United States and Canada</b>	800.354.3578	<b>Netherlands</b>	1800.3544.3578
<b>Asia</b>	1800.3544.3578	<b>New Zealand</b>	1800.3544.3578
<b>Australia</b>	1800.637.947	<b>Singapore</b>	1800.3544.3578
<b>Denmark</b>	1800.3544.3578	<b>South Korea</b>	1800.3544.3578
<b>France</b>	1800.3354.3578	<b>Sweden / Telia</b>	1800.3544.3578
<b>Germany</b>	1800.3544.3578	<b>Switzerland</b>	1800.3544.3578
<b>Hong Kong</b>	1800.96.2800	<b>Thailand</b>	1800.61.4929
<b>Ireland</b>	1800.3544.3578	<b>United Kingdom</b>	1800.3544.3578
<b>Israel / Bezeq</b>	1800.3544.3578	<b>All other countries</b>	1.239.435.2201 or 1.602.667.2800
<b>Japan / IDC</b>	1800.3544.3578		
<b>Japan / Telecom</b>			

If you receive a voice mail message, follow the instructions to report a production-down or critical problem. Leave a detailed message including your name and phone number. An ASG Customer Support representative will be paged and will return your call as soon as possible. Please have available the information described previously when the ASG Customer Support representative contacts you.

**ASG Documentation/Product Enhancements**

Submit all product and documentation suggestions to ASG's product management team at <http://www.asg.com/asp/emailproductsuggestions.asp>.

If you do not have access to the web, FAX your suggestions to product management at (239) 263-3692. Please include your name, company, work phone, e-mail ID, and the name of the ASG product you are using. For documentation suggestions include the publication number located on the publication's front cover.

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# 1

## Introduction

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This chapter gives an overview of Estimate, its operating system and the systems it supports, and contains these sections:

Section	Page
<a href="#">ASG Service Pack</a>	<a href="#">1</a>
<a href="#">Introduction</a>	<a href="#">1</a>
<a href="#">Operating Environment</a>	<a href="#">2</a>
<a href="#">Program Language Support</a>	<a href="#">3</a>
<a href="#">Preprocessor Support</a>	<a href="#">3</a>
<a href="#">Alternate Language Support</a>	<a href="#">4</a>

### ASG Service Pack

Verify whether you received an ASG Service Pack for this product. If so, read the instructions for installing the Service Pack before proceeding with the product installation. The installation instructions are located in the text file on the distribution media included with the Service Pack. If you have any problems with the Service Pack, contact ASG Customer Support.

### Introduction

Estimate allows organizations to define their Enterprise in terms of business groups and applications in order to estimate the time and cost of making large scale application changes.

Using a systematic approach, Estimate guides you through these key tasks:

- Defining an Enterprise.
- Locating data items that may be impacted by an application change.
- Locating points of impact for the selected data items and selectively summarize them for single Applications, Business Groups, and the Enterprise.
- Generating and reviewing impact reports.
- Reviewing and editing cost factors used to prepare cost reports.
- Generating and reviewing cost reports for Applications, Business Groups, and the Enterprise.

The information generated by these tasks can be used to plan the time and resources necessary to complete the project.

Estimate uses ESW's proprietary Analytical Engine and AKR technology, provided by Center, to analyze and store detailed application definitions. Estimate's use of Center, which is also the Common Platform for all ESW products, makes it possible to share application definitions created with other ESW products, such as Recap and Alliance.

## Operating Environment

**Note:** \_\_\_\_\_

Center installation and customization must be performed before installing Estimate. If Center has not been installed, see the *ASG-Center Installation Guide* at this time.

---

Estimate has these mainframe environment requirements:

- MVS/XA, MVS/ESA, or OS/390.
- VSAM or sequential file for the ESW AKR.
- Storage above the 16MB line is used for load modules and GETMAINS.
- Direct Access storage. (See the *ASG-Center Installation Guide* for quantities). Storage requirements are listed in the *ASG-Center Installation Guide*.
- 3270 type terminals; Models 2, 3, 4, or 5.

## Program Language Support

Estimate supports these versions of COBOL:

- ANSI COBOL
- CASE generated COBOL
- COBOL for MVS and VM
- COBOL for OS/390 (excluding object oriented components)
- COBOL/370
- COBOL II (including release 3 and 4)

Estimate supports these other languages:

- High-Level Assembler through a.3.0
- OS PL/I Version 2
- PL/I for MVS & VM

## Preprocessor Support

Estimate supports these preprocessor languages directly:

- Command-Level CICS
- Command-Level DL/I
- IDMS
- SQL

**Note:** \_\_\_\_\_

Other preprocessed languages are not recognized, but can be supported from the generated COBOL code.

---

## **Alternate Language Support**

Estimate supports these alternate languages:

- Easytrieve
- FORTRAN
- IDEAL

**Note:** \_\_\_\_\_

This option has been discontinued and is only provided for customers currently on maintenance.

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# 2

## Estimate Customization

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This chapter discusses some of the customization options available in Estimate and contains these sections:

Section	Page
<a href="#">Prerequisite</a>	<a href="#">5</a>
<a href="#">Step 1 - Modifying CNTL Library Members</a>	<a href="#">6</a>
<a href="#">Step 2 - (Optional) Copying Language Criteria Files</a>	<a href="#">7</a>
<a href="#">Step 3 - Customizing Panvalet, Librarian or User Source Managers</a>	<a href="#">9</a>
<a href="#">Step 4 - Invoking Estimate</a>	<a href="#">11</a>
<a href="#">Step 5 - Validating Estimate</a>	<a href="#">12</a>

### Prerequisite

Center installation and customization must be performed before installation and customizing Estimate. If Center has not been installed, see the *ASG-Center Installation Guide* at this time.

**Note:** \_\_\_\_\_

If you want Estimate support for Endeavor-based applications at your site, you must install Endeavor support. See the *ASG-Center Installation Guide* for installation and customization instructions.

---

## Step 1 - Modifying CNTL Library Members

To override the default Estimate installation options, follow this step:

- ▶ Edit VIA\$PRMJ and modify or add the appropriate option in.

**Note:** \_\_\_\_\_

See the *ASG-Center Installation Guide* Installation Options Appendix for information about changing default values of the installation options.

\_\_\_\_\_

These are the specific Estimate installation options:

Parameter
AKR-Buffer-MaxK
Report-Lines-Per-Page
Online-Max-Function-Time
Disable-Foreground-Execution=YES   NO
Undoc-AKR-Pgm-Wait-Timeout
Default-language-criteria

### Alternate Language Support

For alternate language support, follow this step:

- ▶ Uncomment the appropriate lines in VIAJLMNT and edit VIA\$PRMJ.

This is the Default-language-criteria option in VIA\$PRMJ:

```
Default-language-criteria=(<base>,<name>,<displayid>,  
<search1>,<generic lang>,<text>,...)
```

where:

*base* is specified if the language is supported natively, *altn* is specified for all other languages.

*name* specifies the exact language name string included in the installation option Alternate-Lang-Def.

*displayid* specifies the three letters to be used for the language on displays and reports.

*search1* specifies the default search criteria member name that contains the seeding search criteria for impact due to date conversion for the language. The member name must be in the library indicated in the ESW-Hi-Level-Nodes installation option.

*generic lang* specifies the generic name to be used when there are multiple language versions. For example, Natural 1.2 and Natural 2.1 should be specified as Natural.

*text* specifies the descriptive text to be used for this language in displays and reports.

This is an example of VIA\$PRMJ:

```
Default-language-criteria=(BASE,  
ASM--MVS, ASM, VIAJSASM, <none>, MVS-ASSEMBLER,  
'MVS ASSEMBLER Language Versions',  
BASE, COB--MVS, COB, VIAJSCOB, <none>, MVS-COBOL,  
'MVS COBOL Language Versions',  
BASE, PL/I-MVS, PLI, VIAJSPLI, <none>, MVS-PL/I,  
'MVS PL/I Language Versions',  
ALTN, NAT1.2 , NAT, VIAJSNAT, <none>, NATURAL,  
'NATURAL Language Versions')
```

**Note:** \_\_\_\_\_

After editing VIA\$PRMJ, ensure that the language maintenance time factor in VIAJLMNT is uncommented for each language specified in VIA\$PRMJ and VIA\$PRMS.

See the *ASG-Center Installation Guide* for additional information about alternate language support. You must coordinate the instructions above with the instructions in the *ASG-Center Installation Guide*.

---

## Step 2 - (Optional) Copying Language Criteria Files

**Note:** \_\_\_\_\_

Proceed to [step 3 on page 9](#) if you want the default Search criteria files in English.

---

- 1 Copy the desired national language criteria file to the default language criteria file for each of the supported programming languages (COBOL, PL/I, and ASM). The language criteria files are stored in the ASG.CENTER.CNTL dataset.

This table indicates which language criteria files are associated with each language for date conversion criteria.

Associated Search Criteria Members				
National Language	COBOL	PL/I	ASM	Criteria Type
US - English	VIAJS101	VIAJS102	VIAJS103	Date Conversion
FN - French	VIAJS201	VIAJS202	VIAJS203	Date Conversion
DU - Dutch	VIAJS301	VIAJS302	VIAJS303	Date Conversion
GE - German	VIAJS401	VIAJS402	VIAJS403	Date Conversion
IT - Italian	VIAJS501	VIAJS502	VIAJS503	Date Conversion
JP - Japanese	VIAJS601	VIAJS602	VIAJS603	Date Conversion
SP - Spanish	VIAJS701	VIAJS702	VIAJS703	Date Conversion

- 2** Based on the selected language, copy the criteria files to the Impact Project as these members:

Language	Date Conversion Criteria Files
COBOL	ASG.CENTER.CNTL(VIAJSCOB)
PL/I	ASG.CENTER.CNTL(VIAJSPLI)
ASM	ASG.CENTER.CNTL(VIAJSASM)

- 3 These are the naming convention definitions for search criteria members in the CNTL dataset:

Prefix (5):VIAJS(constant) for date conversion criteria

NatlLang(1): 1 = English  
2 = French  
3 = Dutch  
4 = German  
5 = Italian  
6 = Japanese  
7 = Spanish  
8 through 9, A through Z (a one-digit code to accommodate up to 35 national languages)

ProgLang(2) 01 = COBOL  
02 = PL/I  
03 = ASM

## Step 3 - Customizing Panvalet, Librarian or User Source Managers

### *Panvalet Customization*

#### *To customize Panvalet*

**Note:** \_\_\_\_\_

Do not perform [step 1](#) if you are using Panvalet R12 and the module PAM is available in LINKLST or LPA.

\_\_\_\_\_

- 1 Edit CNTL member VIASPAMJ and specify a valid JOB card and the correct values for these parameters:
  - VIASOFT
  - ASMBLR
  - CENTER
  - LIBRLIB
  - LIBRMAC
  - SYSOUT
  - SYSDA
- 2 Submit this job to assemble and link edit the Panvalet VIASPAM module.

If Panvalet requires changes to its customized edit panel, these changes may need to be included in the ESW panels VSPENPAN, VSPE2PAN, and VSPEDPAN. If this situation occurs, contact ASG Customer Support for instructions.

If the Panvalet load library is allocated under ISPLLIB and the LIBDEF facility is used, WTP MEMBER NOT FOUND warning messages display each time you select a Panvalet member. Try these alternatives to correct the problem:

- Add Estimate allocations to LOGON and bypassing LIBDEF processing.
- Adding the Panvalet load library allocation to VIALLIB in LIBDEF processing.
- Setting WTPMSG OFF (not recommended).

## **Librarian Customization**

### ***To customize Librarian***

- 1** Edit CNTL member VIASFAIJ and specify a valid JOB card and the correct values for these parameters:

- VIASOFT
- ASMBLR
- CENTER
- LIBRLIB
- LIBRMAC
- SYSOUT
- SYSDA

If you are running on Librarian R3.9, edit CNTL member VIASFAIR and comment out the four lines containing these delete statements:

```
DELETE EPLOC=XFAIROPN
DELETE EPLOC=XFAIRMOD
DELETE EPLOC=XFAIRREC
DELETE EPLOC=XFAIRCLS
```

- 2** Submit this job to assemble and link edit the Librarian VIASFAIR module.

If Librarian requires changes to its customized edit panel, these changes may need to be included in the ESW panels VSPENLIB, VSPEDLIB, and VSPE2LIB. If this situation occurs, contact ASG Customer Support for instructions.

If the Librarian load library is allocated under ISPLLIB and the LIBDEF facility is not used, WTP MEMBER NOT FOUND warning messages display each time you select a Librarian member. Try these alternatives to correct the problem:

- Add Estimate allocations to LOGON and bypassing LIBDEF processing.
- Add the Librarian load library allocation to VIALLIB in LIBDEFF processing.
- Set WTPMSG OFF (not recommended).

### Other Source Managers

Use these instructions to support other user or vendor developed source managers:

- VIAEDUSR - Modify the distributed CLIST VIAEDUSR according to instructions in the CLIST. VIAEDUSR is invoked when the User Source manager option is selected from the Modify Library pop-up. Panels that may need customization are VSPEDUSR, VSPE2USR, and VSPENUSR.
- Edit Options - Make changes to the Options - COPY/Include Libraries screen (VEPEOPTS) to reflect the alternate source manager and data set or member names used.

## Step 4 - Invoking Estimate

To invoke Estimate from an ISPF Panel, follow this step:

- ▶ Use these panel definition cards to add an Estimate option to the ISPF Primary Menu or another dialog menu. This line can be used to describe the Estimate option to the user:

```
% S +Estimate - ASG Estimate Tool
```

This line can be used to invoke Estimate based on the user selection of the letter S:

```
S, 'CMD(%Estimate) NEWAPPL(VIAJ)'
```

**Note:** \_\_\_\_\_

After updating the ISPF environment, it may be necessary to re-enter ISPF before the Estimate facilities are available.

\_\_\_\_\_

To invoke Estimate with a CLIST, follow this step:

- ▶ Type TSO VIATM on the command line in the ESW primary panel and press Enter.

## Step 5 - Validating Estimate

To verify successful completion of the Estimate installation, perform these tasks. Use the ["Installation Checklist" on page 27](#) to help you with the installation and validation.

**Note:** \_\_\_\_\_

The dataset names used in these validation steps are the default installation names. If you have changed any names, use the new names where default names are specified.

---

### *To verify the Estimate installation*

- 1 To validate the logon library allocations, select the correct menu option to invoke Estimate.

**Note:** \_\_\_\_\_

If you installed Estimate as indicated in ["Step 3 - Customizing Panvalet, Librarian or User Source Managers" on page 9](#), use the appropriate selection from the ISPF menu.

---

- 2 Select Help ▶ About from the Estimate Primary screen and press Enter. Verify that the correct product releases and levels of Estimate and Center have been installed.
- 3 Press PF3/15 to return to the Estimate primary screen.

### *To review or modify the Estimate product options*

- 1 Select Options ▶ Product parameters Estimate Primary screen and press Enter to display the Options - Product Parameters pop-up.
- 2 Review or modify the parameter definitions and press PF3/15 to exit.
- 3 Select Options ▶ Process log/list file and press Enter to display the Options - Log/List Definition pop-up.
- 4 Review or modify the Log file defaults. Enter valid JOB statement information and press PF3/15 to exit.
- 5 Select Options ▶ PF keys and press Enter to display the Options - PF Key Definition pop-up.
- 6 Review or modify the PF key definitions. Press PF3/15 to exit.

**To allocate an AKR**

- 1 Select File ► AKR utility from the Estimate Primary screen and press Enter to display the File - AKR Utility pop-up.

**Note:** \_\_\_\_\_

If you created an AKR when validating another ESW product, proceed to [step 11 on page 14](#).

\_\_\_\_\_

- 2 Enter the name of the AKR to be allocated.
- 3 Type A in the command input area and press Enter. The AKR name displays on the File - AKR Allocate/Expand pop-up.

**Note:** \_\_\_\_\_

The fields on the File - AKR Allocate/Expand pop-up vary depending on the values for AKR-DSORG-VSAM and SMS in the Center installation options file.

\_\_\_\_\_

- 4 Enter the Management, Storage, and Data classes.

**Or**

Enter the value for Volume, Space Units, and Amount.

- 5 Enter the appropriate unique parameter if you are allocating a VSAM AKR.

- 6 Enter Job statement information for your site.

- 7 If this dataset must be cataloged in a private catalog, follow these steps:

- a Type C in the command input area to display the AKR Catalog Information pop-up.

- b Enter the user catalog name and password as required.

- c Press PF3/15 to return to the File - AKR Allocate/Expand pop-up.

- 8 Type S in the command input are and press Enter to submit the job.

- 9 After the job completes, verify that the AKR is successfully allocated and initialized.

- 10 Press PF3/15 until you reach the Estimate primary screen.

- 11 Once an AKR is allocated, the AKR allocate utility has been validated. [Figure 6](#) shows the File - AKR Allocate/Expand pop-up using SMS and a VSAM AKR.

The customization and validation of Estimate is now complete.

Figure 6 • File - AKR Allocate/Expand Pop-up with SMS and a VSAM AKR

```
File - AKR Allocate/Expand
Command ==> -----
          S - Submit JCL      E - Edit JCL      C - Specify Catalog
Expand existing AKR . . . NO          (Yes or No)
AKR data set name . . . . 'USER.TEST.AKR'
Volume . . . . . -----
Unit . . . . . -----          (Generic unit name)
Space units . . . . . RECORDS    (Records, Tracks or Cylinders)
Primary space . . . . . 4000     (Primary amount in above units)
Secondary space . . . . . YES_   (Secondary amount in above units)

Job statement information:
//USER  JOB (ACCOUNT),NAME,
//      MSGCLASS=A
//*    INSERT '/*ROUTE PRINT NODE.USER' HERE IF NEEDED.
//*
```

---

## Appendix A

---

# Installation Checklist

Company: \_\_\_\_\_

Installer: \_\_\_\_\_

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

### AKR Utility Test

OK	PENDING	Using the AKR Utilities pop-up:
___	___	Allocate a new temporary AKR.
___	___	Expand the new temporary AKR using the Expand Existing AKR Y N option on the File AKR Allocation/Expand pop-up.
___	___	Delete the temporary AKR by typing TSO DELETE 'temporary. akr. dsn' on the command line.

## Product Test

**Note:** \_\_\_\_\_

Testing Estimate consists of loading variations of COBOL, PL/I, and Assembler programs that reside in various source managers and that use various COPY/INCLUDE libraries. For detailed instructions about performing these steps, see the *ASG-Estimate User's Guide*.

---

OK	PENDING	
___	___	Define an Enterprise containing a few applications. In the application definition, include programs from different source libraries that use different COPY/INCLUDE libraries. Include programs with a variety of compile parameters and a mixture of COBOL, PL/I, and Assembler, depending on the languages used in your installation.
___	___	Analyze the applications.
___	___	Generate the Definition (DEF) Report.
___	___	Create an Impact Project on the Enterprise.
___	___	Select one of the applications and Generate a Candidate Dataname List in either foreground or batch mode. If you generate the list in batch, wait for the job to complete before continuing the checklist.
___	___	Generate the Candidate Dataname List (CAN) Report for the selected application.
___	___	From the Impact View, select TaskManager ► Impact Process and press Enter. Use the GoTo action to initiate one or more of the tasks listed on the Impact Process screen.

## Log File Test

OK	PENDING	
___	___	Enter the KEYS command to verify the default PF key assignments.
___	___	Test the log file allocation by Entering the DEBUG LOG primary command to force the log file allocation. Follow that command with the PRODLVL command to force output to the log file.
___	___	Test the log file job submission facility by selecting Options ► Process log/list file and pressing Enter. On the Options - Log/List Definition pop-up, select the option to release the log file to print.
___	___	Edit and submit the VIASAKRX JCL to test the AKR expansion job. Verify that the VIASAKRX job ran successfully.

The installation and validation of Estimate is now complete.



---

## Appendix B

---

# Estimate CNTL and CLIST Members

## Estimate CNTL Members

Member	Description
VIA\$PRMJ	Estimate installation options member.
VIA\$RLSJ	A back-up copy of the Estimate options member used to restore the original installation options. It is not referenced by Estimate.
VIAJBCF	Base cost factors default values member.
VIAJCPU	CPU factors default values member.
VIAJCMNT	Component maintenance time factors default member.
VIAJLMNT	Language maintenance time factors default member.
VIAJPCA	Program classification formula default member.
VIAJPCF	Program classification default values member.
VIAJPER	Person time estimates default values member.
VIAJSASM	Default search criteria member for Assembler language.
VIAJSCOB	Default search criteria member for COBOL language.
VIAJSNAT	Default search criteria for NATURAL languages
VIAJSOTH	Default search criteria for Alternate languages.
VIAJSPLI	Default search criteria member for PL/I language.
VIAJS101	National language default search criteria member for COBOL language. (English)
VIAJS102	National language default date conversion search criteria member for PL/I language. (English)

Member	Description
VIAJS103	National language default date conversion search criteria member for Assembler language. (English)
VIAJS201	National language date conversion search criteria member for COBOL language. (French)
VIAJS202	National language date conversion search criteria member for PL/I language. (French)
VIAJS203	National language date conversion search criteria member for Assembler language. (French)
VIAJS301	National language date conversion search criteria member for COBOL language. (Dutch)
VIAJS302	National language date conversion search criteria member for PL/I language. (Dutch)
VIAJS303	National language date conversion search criteria member for Assembler language. (Dutch)
VIAJS401	National language date conversion date conversion search criteria member for COBOL language. (German)
VIAJS402	National language date conversion search criteria member for PL/I language. (German)
VIAJS403	National language date conversion search criteria member for Assembler language. (German)
VIAJS501	National language date conversion search criteria member for COBOL language. (Italian)
VIAJS502	National language date conversion search criteria member for PL/I language. (Italian)
VIAJS503	National language date conversion search criteria member for Assembler language. (Italian)
VIAJS601	National language date conversion search criteria member for COBOL language. (Japanese)
VIAJS602	National language date conversion search criteria member for PL/I language. (Japanese)
VIAJS603	National language date conversion search criteria member for Assembler language. (Japanese)
VIAJS701	National language date conversion search criteria member for COBOL language. (Spanish)

Member	Description
VIAJS702	National language date conversion search criteria member for PL/I language. (Spanish)
VIAJS703	National language date conversion search criteria member for Assembler language. (Spanish)

## **Estimate CLIST Members**

Member	Description
ESTIMATE	Used to invoke the Estimate product from native TSO.
VIATM	Invokes the Estimate program from a CLIST using the application ID VIAJ.



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