

ASG-Alliance™ Installation Guide

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ASG Support Numbers

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. To expedite response time, please follow these procedures.

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 or displayed
- A description of the specific steps that immediately preceded the problem
- The severity code (ASG Support uses an escalated severity system to prioritize service to our clients. The severity codes and their meanings are listed below.)
- Verify whether you received an ASG Service Pack 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.

If You Receive a Voice Mail Message:

- 1 Follow the instructions to report a production-down or critical problem.
- 2 Leave a detailed message including your name and phone number. A Support representative will be paged and will return your call as soon as possible.
- 3 Please have the information described above ready for when you are contacted by the Support representative.

Severity Codes and Expected Support Response Times

Severity	Meaning	Expected Support Response Time
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

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.

Business Hours Support

Your Location	Phone	Fax	E-mail
United States and Canada	800.354.3578	941.263.2883	support@asg.com
Australia	61.2.9460.0411	61.2.9460.0280	support.au@asg.com
England	44.1727.736305	44.1727.812018	support.uk@asg.com
France	33.141.028590	33.141.028589	support.fr@asg.com
Germany	49.89.45716.222	49.89.45716.400	support.de@asg.com
Singapore	65.332.2922	65.337.7228	support.sg@asg.com
All other countries:	1.941.435.2200		support@asg.com

Non-Business Hours - Emergency Support

Your Location	Phone	Your Location	Phone
United States and Canada	800.354.3578		
Asia	65.332.2922	Japan/Telecom	0041.800.9932.5536
Australia	0011.800.9932.5536	Netherlands	00.800.3354.3578
Denmark	00.800.9932.5536	New Zealand	00.800.9932.5536
France	00.800.3354.3578	Singapore	001.800.3354.3578
Germany	00.800.3354.3578	South Korea	001.800.9932.5536
Hong Kong	001.800.9932.5536	Sweden/Telia	009.800.9932.5536
Ireland	00.800.9932.5536	Switzerland	00.800.9932.5536
Israel/Bezeq	014.800.9932.5536	Thailand	001.800.9932.5536
Japan/IDC	0061.800.9932.5536	United Kingdom	00.800.3354.3578
		All other countries	1.941.435.2200

ASG Web Site

Visit <http://www.asg.com>, ASG's World Wide Web site.

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 (941) 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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Preface

This *ASG-Alliance Installation Guide* gives you information about installing ASG-Alliance (herein called Alliance). An ASG-Existing Systems Workbench component, Alliance provides complete application-wide understanding, documentation, impact analysis, and change request assessment for effective management and maintenance of existing applications. Alliance performs application analysis tasks quickly and thoroughly in order for you to accurately assess the resources required for application changes and the impact of proposed system changes and system failures.

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,"](#) discusses the concepts of Alliance.
- [Chapter 2, "Alliance Customization,"](#) describes installation options and ways to customize Alliance.

Related Publications

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

- *ASG-Application Definition and Analysis User's Guide* (ALL0200-*nn*) which provides information on defining, analyzing, and refining the application definition.
- *ASG-Alliance Installation Guide* (ALX0300-*nn*) which provides information about installing ASG-Alliance.
- *ASG-Alliance User's Guide* (ALX0200-*nn*) which provides information on the use of ASG-Alliance.
- *ASG-Center Installation Guide* (CNX0300-*nn*) which contains installation and maintenance information for ASG-Center, the common set of libraries shared by the ASG-Existing Systems Workbench suite of products.

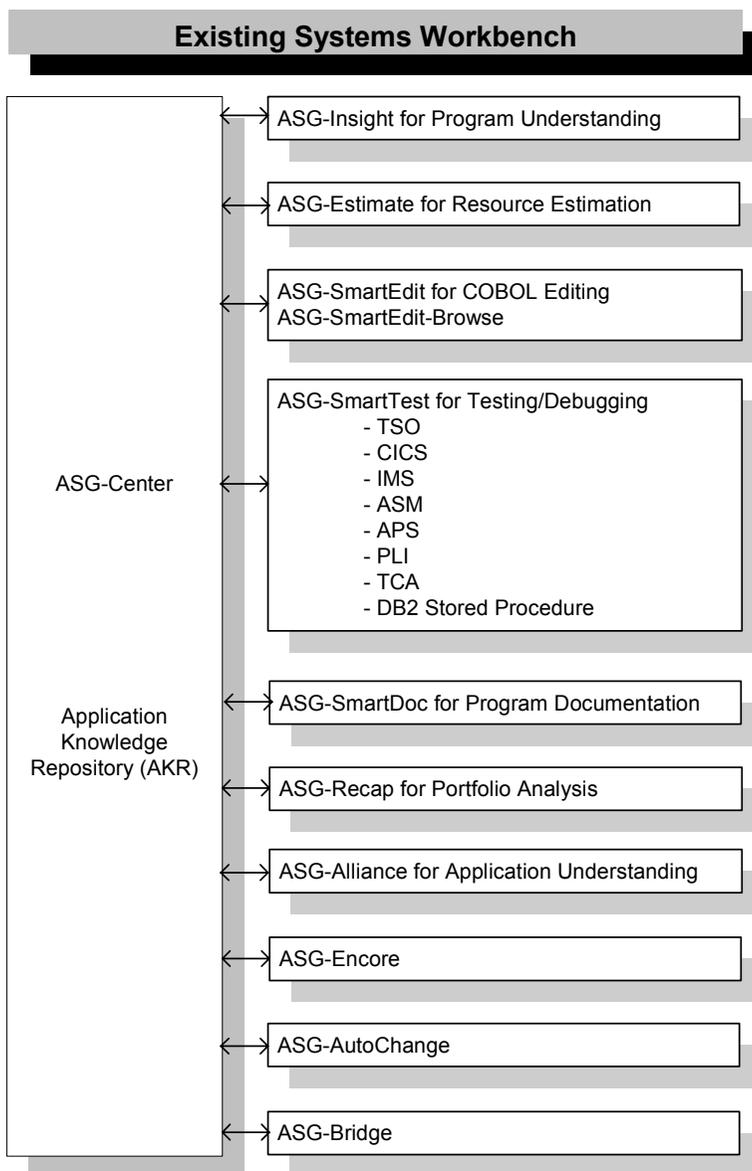
Note: _____

To obtain a specific version of a publication, contact the ASG Service Desk.

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-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	Shortcut	ESW Pull-down Options
Alliance	AL	Understand ▶ Application
AutoChange	CC	Change ▶ Conversion Set
Bridge	BR	Change ▶ ASG-Bridge
Encore (Re-engineer)	EN	Re-engineer ▶ Program
Estimate	ES	Measure ▶ ASG-Estimate
Insight (Understand)	IN	Understand ▶ Program
Recap (Portfolio Analysis)	RC	Measure ▶ Portfolio
SmartDoc (Document)	DC	Document ▶ Program
SmartEdit	SE	Change ▶ Program Or Change ▶ Program with Options
SmartTest	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, you might see different fields, values, action bar options, and pull-down options 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. Access to these integrated products requires only that they be installed and executed in the same libraries.

Example 2. [Figure 4](#) shows the File - Analyze Submit pop-up that displays when you access SmartTest directly. [Figure 5](#) shows the File - Analyze Submit pop-up that displays when you access SmartTest through ESW.

Notice that the Analyze features field in [Figure 5](#) lists additional ESW products than shown on [Figure 4](#). This field is automatically customized to contain the ESW products you have installed on your system.

The actions shown on these screens also vary. For example, the D action (ASG-SmartDoc Options) is available on the File - Analyze Submit screen if the SmartDoc product is installed on your system. In [Figure 4](#), the ASG-SmartDoc Options action is not available.

Figure 4 • File - Analyze Submit Screen

```

                                File - Analyze Submit
Command ==> -----
                E - Edit JCL                      S - Submit JCL

Compile and link JCL (PDS or sequential):
  Data set name 'USER12.REL.CNTL(UIAPCOBC)'

Analyze features (Y/N):
  ASG-SmartTest: Y   Extended Analysis: N

AKR data set name 'USER12.GENERAL.AKR'
AKR program name      (if overriding PROGRAM-ID)

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

Compile? (Y/N) . . . . . Y      (Y if needed by features)
Link load Module reusable? (Y/N) Y
  
```

Figure 5 • File - Analyze Submit Screen (Accessed through ESW)

```

                                File - Analyze Submit
Command ==> -----
                E - Edit JCL   S - Submit JCL   D - ASG-SmartDoc Options

Compile and link JCL (PDS or sequential):
  Data set name 'USER12.REL.CNTL(HTEST)'

Analyze features (Y/N):
  ASG-Insight: Y   ASG-SmartTest: Y   Extended Analysis: N
  ASG-SmartDoc: N   ASG-Encore: N

AKR data set name 'USER12.GENERAL.AKR'
AKR program name      (if overriding PROGRAM-ID)

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

Compile? (Y/N) . . . . . Y      (Y if needed by features)
Link load Module reusable? (Y/N) Y   (ASG-SmartTest)
  
```

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>).

1

Introduction

This chapter discusses the concepts of Alliance and contains these sections:

Section	Page
ASG Service Pack	1
Alliance Concepts	2
Alliance Features	2
Operating Environment	3
COBOL Support	3
PL/I Support	3
Assembler Support	3
Preprocessor Support	4

Note: _____

Center must be installed and customized before you install Alliance. If Center is not installed, see the *ASG-Center Installation Guide*.

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 a text file on the distribution media included with the Service Pack. If you have any problems with the Service Pack, contact the ASG Service Desk.

Alliance Concepts

Alliance gives IT professionals an automated tool for conducting impact analysis and for producing high quality, on-line documentation of corporate legacy systems.

Alliance analyzes and assesses the impact of change requests upon an entire application. Because of this, Alliance allows you to accurately perform application analysis tasks in less time.

The Alliance analysis provides an accurate way for you to assess the resources required for application changes. In addition, this analysis provides an on-line, interactive tool for assessing the impact of proposed system changes and system failures.

To view information generated from an Alliance application analysis, use the queries contained in the Query Facility. To create new queries, use the Alliance query syntax.

These are some of the management activities supported by the information gathered using Alliance:

- Allocation and justification of resources
- Scheduling of new software development projects
- Scheduling of software maintenance and enhancement

Alliance Features

These interactive, on-line features are provided by Alliance:

- Identifies and defines applications for analysis
- Submits the analysis job
- Defines and executes impact assessments
- Displays the generated analysis data

Operating Environment

These are the operating components Alliance requires:

- MVS/ESA or OS/390
- VSAM or BDAM for the Application Knowledge Repository (AKR)
- Storage above the 16MB line is used for load modules and GETMAINs
- Direct access storage
(Storage requirements are listed in the *ASG-Center Installation Guide*.)
- 3270 type terminals; Models 2, 3, 4, or 5

COBOL Support

These are the COBOL versions Alliance supports:

- ANSI COBOL
- CASE Generated COBOL
- COBOL 68
- COBOL 74
- COBOL/370
- COBOL for MVS and VM
- COBOL for OS/390, no support for object oriented components
- OS/VS COBOL
- VS COBOL II (including release 3 and 4)

PL/I Support

- PL/I, Release 1.5
- PL/I, Release 2.3
- PL/I for MVS and VM

Assembler Support

The Assembler Language option provides limited support for Assembler H and HLA.

Preprocessor Support

These are the preprocessor languages Alliance supports:

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

Note: _____

Other preprocessed languages can be supported from the generated COBOL code.

2

Alliance Customization

This chapter describes the installation options and ways to customize Alliance and contains these sections:

Section	Page
Prerequisite	5
Step 1 - Modifying CNTL Library Members	6
Step 2 - Customizing Panvalet, Librarian or User Source Manager	7
Step 3 - Invoking Alliance	10
Step 4 - Validating Alliance	10
Validating the Export Options	14
Validating the Assembler Language Option	15

Prerequisite

ASG-Center must be installed and customized before you customize Alliance. If ASG-Center has not been installed, see the *ASG-Center Installation Guide*.

Note: _____

If your site has Endeavor-based applications and you want Alliance to support them, install Endeavor support. See the *ASG-Center Installation Guide* for installation and customization instructions.

Step 1 - Modifying CNTL Library Members

To modify CJTL library members

- 1 Modify and execute this member:

VIABIAKR (the JCL to install the Alliance sample AKR)

Specify the correct values for these parameters:

Parameter	Description
PERMUNT	Use to specify the default unit device name used for allocating the sample AKR dataset. The default value is SYSDA.
PERMVOL	Use to specify the dataset name for the sample AKR. The default is ASG.ALLSAMP.AKR.
SAMPAKR	Use to specify the default volume serial used for the AKR dataset. By default, there is no volume serial number.
SYSOUT	Use to specify the correct SYSOUT character.
TAPEUNT	Use to specify the tape unit device name.

- 2 To override the default Alliance installation options, edit VIA\$PRMB (the Alliance installation options member), and modify or add the appropriate option.

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

These are the Alliance-specific installation options:

- Alt-High-Level-Node
- Appl-Anlz-Excl-CSECT
- Appl-Anlz-Excl-DD
- Appl-Work-Primary
- Appl-Work-Secondary
- Appl-Work-SYSDA
- Appl-Work-Unit
- Appl-Work-Volume
- CICS-CSD-Library
- Library-Percent

Step 2 - Customizing Panvalet, Librarian or User Source Manager

Customizing Panvalet

If Panvalet is installed at your site, perform the following tasks:

Note: _____

Do not perform these steps if you are using Panvalet R12 and above. The module PAM is available in LINKLST or LPA.

To customize Panvalet

- 1 Edit the VIASPAMJ CNTL member.
- 2 Specify a valid JOB card and enter the correct values for ASG, ASMBLR, CENTER, PANLIB, SYSOUT, and SYSDA parameters.
- 3 Submit this job to assemble and link edit the Panvalet VIASPAM module.

Option	Description
Customized Edit screen	If your site has modified Panvalet's customized edit screen, these changes may need to be included in the ESW screens VSPENPAN, VSPE2PAN, and VSPEDPAN. If this situation occurs, contact the ASG Service Desk for instructions.
WTP Messages	<p>If the Panvalet load library is allocated under ISPLLIB and the LIBDEF facility is used, MEMBER NOT FOUND warning messages display each time you select a Panvalet member. Possible alternatives include:</p> <ul style="list-style-type: none">• Add Alliance allocations to LOGON and bypass LIBDEF processing.• Add the Panvalet load library allocation to VIALLIB in LIBDEF processing.• Set WTPMSG OFF (not recommended).

Customizing Librarian

If Librarian is installed at your site, customize these options:

Option	Description
VIASFAIJ	<p>Edit this CNTL member, specify a valid JOB card, and enter the correct values for ASG, ASMBLR, CENTER, LIBRLIB, LIBRMAC, SYSOUT, and SYSDA parameters. If you are running on Librarian R3.9, edit CNTL member VIASFAIR. Comment out the four lines containing these delete statements:</p> <pre>DELETE EPLOC=XFAIROPN DELETE EPLOC=XFAIRMOD DELETE EPLOC=XFAIRREC DELETE EPLOC=XFAIRCLS</pre> <p>Submit this job to assemble and link edit the Librarian VIASFAIR module.</p>

Option	Description
Customized Edit screen	If your site has modified Librarian's customized edit screen, these changes may need to be included in the ESW screens VSPENLIB, VSPEDLIB, and VSPE2LIB. If this situation occurs, contact the ASG Service Desk for instructions.
WTP Messages	<p>If the Librarian load library is allocated under ISPLLIB and the LIBDEF facility is used, MEMBER NOT FOUND warning messages display each time you select a Librarian member. Possible alternatives include:</p> <ul style="list-style-type: none"> • Add Alliance allocations to LOGON and bypass LIBDEF processing. • Add the Panvalet load library allocation to VIALLIB in LIBDEF processing. • Set WTPMSG OFF (not recommended).

Other Source Managers

You can support user or other developed source managers by implementing these steps:

Option	Description
VIAEDUSR	<p>Modify the distributed CLIST VIAEDUSR according to the instructions in the CLIST.</p> <p>To invoke VIAEDUSR, select the Modify Library pop-up ► User Source manager option.</p> <p>You may have to customize these screens:</p> <ul style="list-style-type: none"> • VSPEDUSR • VSPE2USR • VSPENUSR
Edit Options	You can make changes to the Options - COPY/Include Libraries screen (VEPEOPTS) to reflect the alternate source manager and dataset or member names used.

Step 3 - Invoking Alliance

Proceed to [Step 4 - Validating Alliance](#) if the ESW products menu is already installed.

To invoke Alliance from an ISPF screen

- 1 Use these screen definition cards to add an Alliance option to the ISPF Primary Menu or another dialog menu. Use this line to describe the Alliance option to the user:

```
% S +Alliance - ASG Application Understanding Tool
```

- 2 Use this line to invoke Alliance based on the user selection of the letter S:

```
S, 'CMD(%Alliance) NEWAPPL(VIAB) '
```

Note: _____

After updating the ISPF environment, it may be necessary to reenter ISPF before the facilities are available.

To invoke Alliance with a CLIST, follow this step:

- ▶ Type `TSO VIAAL` on the command line in the ESW Primary screen and press Enter. The VIAAL CLIST invokes the ALLIANCE CLIST while it specifies the `NEWAPPL(VIAB)` parameter that sets the correct application ID.

Step 4 - Validating Alliance

To verify that Alliance installed successfully, perform these functions. An installation checkout form is included in ["Installation Checkout" on page 17](#) to assist in the installation.

Note: _____

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

To validate the logon library allocations

- 1 Select the correct option from the menu to enter Alliance.

If you installed Alliance as indicated in ["Step 3 - Invoking Alliance" on page 10](#), use the ISPF menu or the CLIST.

Or

If you installed the ESW product menu as described in the *ASG-Center Installation Guide*, use the ISPF selection or the CLIST to display the ESW product primary screen. To display the Alliance Primary screen select Understanding ▶ Application.

Note: _____

When you enter Alliance using the ESW product primary screen, the name on the screens display as ESW - Application Understanding.

- 2 Select Help ▶ About from the Alliance Primary screen and press Enter.
- 3 Verify the product releases and levels of Alliance and Center that are installed. The name, release number, maintenance level, and operating system display.
- 4 Press PF3/15 to exit the Help - About pop-up.

To review and/or modify Alliance product options

- 1 Select Options ▶ Product parameters from the Alliance Primary screen and press Enter. The Options - Product Parameters pop-up displays.
- 2 Review and/or modify the parameter definitions and then press PF3/15.
- 3 Select Options ▶ Log/List file and press Enter. The Options - Log/List Definition pop-up displays.
- 4 Review and/or modify the Log file defaults. Enter the JOB statement information and press PF3/15.
- 5 Select Options ▶ PF keys and press Enter. The Options - PF Key Definition pop-up displays.
- 6 Review and/or modify the PF key definitions. Press PF3/15.

To allocate an AKR

- 1 Select File ▶ AKR utility from the Alliance Primary screen and press Enter. The File - AKR Utility pop-up displays.

Note:

If you have already created an AKR when validating another ESW product, proceed to ["To open the application from the sample AKR" on page 13.](#)

- 2 Enter the name of the AKR to be allocated.
- 3 Type A in the command area and press Enter.

Note:

The fields on the File - AKR Allocate/Expand pop-up vary depending on the AKR-DSORG-VSAM and SMS values in the Center installation options file (VIA\$PRMS).

- 4 Verify the AKR name displayed on the File - AKR Allocate/Expand pop-up (see [Figure 6](#)).

Figure 6 • File - AKR Allocate/Expand Pop-up

```
Command ==> File - AKR Allocate/Expand
-----
          S - Submit JCL      E - Edit JCL      C - Specify Catalog
Expand existing AKR . . . NO          (Yes or No)
AKR data set name . . . 'VIA123.USER50_AKR'
Volume . . . . . _____
Unit . . . . . _____          (Generic unit name)
Space units . . . . . RECORDS      (Records, Tracks or Cylinders)
Primary space . . . . . 4000        (Primary amount in above units)
Secondary space . . . . . 0         (Secondary amount in above units)

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

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

(If SMS=YES in your VIA\$PRMS option file, enter the Management, Storage, and Data classes to be used for the AKR.)

- 6 Type the appropriate Unique parameter if you are allocating a VSAM AKR.
- 7 Enter Job statement information for your site
- 8 Type S in the command input area to submit the job
After the job finishes, verify the ESW AKR successfully allocated and initialized.
- 9 Press PF3/15 (END) repeatedly until you reach the Alliance Primary screen.
After allocation, the AKR allocate utility is validated.

To catalog this dataset in a private catalog,

- 1 To display the AKR Catalog Information pop-up, type C in the command area on the File - AKR Allocate/Expand pop-up and press Enter.
- 2 Enter the user catalog name and password as required.
- 3 Press PF3/15 to return to the File - AKR Allocate/Expand pop-up.

To open the application from the sample AKR

Note: _____

To allocate the sample AKR provided with the install, execute VIABIAKR from the INSTALL CNTL library.

- 1 Select File ► Open application from the Alliance Primary screen and press Enter. The File - Open Application pop-up displays.
- 2 Type ASG . ALLSAMP . AKR (the sample AKR) in the AKR dataset name field.
- 3 Type ACCTS-PYBL in the Application Name field.
- 4 Press Enter. This action opens the application and displays the Application Maintenance Facility screen.

- 5** Verify the operation of these major Alliance features. A checklist is provided in ["Installation Checkout" on page 17](#).
- Application Definition
 - Application Definition View
 - Missing Components
 - Dead Components
 - System Cross-Reference Information
 - Program Cross-Reference Information
 - Query Facility
 - Impact Facility

Note: _____

If you have purchased the Export Feature with Alliance, perform the next section, [Validating the Export Options](#). Otherwise, the customization and verification of Alliance is now complete

Validating the Export Options

To verify Export Options

You must have an open application in order to verify Export Options. If you need to open an application, see ["To open the application from the sample AKR" on page 13](#).

- 1** Select File ► Import/Export from the Alliance Primary screen and press Enter. If the Export Option successfully installed the Data Export pop-up displays.

If the Export Option did not install successfully, a message displays. If this occurs, check the password specified during the tape unload to activate the Export Option before calling the ASG Service Desk.

- 2** Select the installation Export Type from the Export Data pop-up and press Enter. If the Export Option did not install properly, a message displays.

- 3** If both Export Options are installed, repeat [step 2](#) for each Export Type.

Validating the Assembler Language Option

To create a new application on any AKR

- 1 Select File ▶ New Application from the Alliance Primary screen and press Enter.
- 2 Enter the AKR (Dataset name) and Application name on the File - New Application pop-up and press Enter.
- 3 Select Edit ▶ ASM definition and press Enter. If the Edit - ASM Definition pop-up displays, the Application Assembler option installed correctly. Proceed to [To define an ASM library containing at least one ASM program member](#).

If the Application Assembler option did not install correctly, a message displays stating the option is unavailable.

To define an ASM library containing at least one ASM program member

- 1 Select Edit ▶ ASM Definition ▶ Libraries and press Enter.
- 2 Enter the library dataset name and select the Source manager on the Add ASM Library pop-up.
- 3 Press PF6 to add the library.
- 4 Press PF4 to display the Add Member pop-up.
- 5 Enter the member name on the Add Member pop-up and press PF6 to add.

Note: _____

If any system macros are included in your ASM program, follow [step 6](#) through [step 9 on page 16](#). If not, proceed to [step 10 on page 16](#).

- 6 Press PF3 until you return to the Application - ASM Library Member List pop-up.
- 7 Select the member you added.
- 8 Press PF4 to display the ASM Member Options pop-up.

- 9** Select ASM Member Options ► Maintain maclibs. The Add Maclib pop-up displays.
 - a** Type `SYS1.MACLIB` in the Dataset name field.
 - b** Select the Source manager.
 - c** Press PF6 to add the maclib.
- 10** Press PF3 until you return to the Alliance Primary screen.

To select and submit an application for analysis

- 1** Select File ► Analyze from the Alliance Primary screen and press Enter.
- 2** Select File - Analyze ► Select analysis type and press Enter. Select either Full or Incremental on the resulting pop-up, then press PF3.
- 3** Select Submit application analysis Batch job. The Analyze - Submit Application pop-up displays.
- 4** Press PF6 to submit.

To verify that the Assembler Application you defined analyzed correctly

- 1** Select View ► Program Cross-Reference Information from the Alliance Primary screen and press Enter.
- 2** Select Program Cross-Reference ► Data Item by Program and press Enter. If the Program Cross-Reference Data Item by Program View correctly displays Assembler dataitems found in the sample program, then the Assembler Language option successfully installed.

The customization and verification of Alliance is now complete.

Appendix A

Installation Checkout

Company: _____

Installer: _____

Date: _____ / _____ / _____

Step 1 - AKR Utility Test

OK	PENDING
----	---------

___	___	Using the AKR Utilities pop-up, perform these actions:
___	___	• Allocate a new temporary AKR.
___	___	• Expand the new temporary AKR using the EDIT JCL option on the AKR Allocation pop-up.
___	___	• Delete the temporary AKR by entering this information on the command line:

```
TSO DELETE 'temporary.akr.dsn'
```

Step 2 - Product Test

Note: _____

Testing the Application Analyzer entails loading all variations of COBOL, JCL, Load Modules, CICS Tables and maps, IMS Definitions, and formats that reside in various source managers, and that use the various preprocessors into the AKR through the Application Definition Process.

OK	PENDING	
_____	_____	Define a few small applications. Include programs from different source libraries using different copy libraries with various compile parameters and levels of COBOL. Include JCL, Load Modules, IMS components, and CICS components.
_____	_____	Verify the operation of these major Alliance features:
_____	_____	Application Definition
_____	_____	Application Definition View
_____	_____	Missing Entities
_____	_____	Dead Entities
_____	_____	System Cross-Reference Information
_____	_____	Program Cross-Reference Information
_____	_____	Query Facility
_____	_____	Impact Facility
_____	_____	Export Facility (If you have purchased this option)
_____	_____	After all user applications are successfully tested, delete the demo applications from the AKR using the AKR Directory pop-up or VIASAKRU JCL.

Step 3 - Log File Test

OK	PENDING	
___	___	Type the <code>KEYS</code> command to verify the default PF key assignments.
___	___	Test the log file allocation using <code>DEBUG LOG</code> to force the log file allocation. Follow that command with the <code>PRODLVL</code> command to force output to the log file.
___	___	Test the log file job submission facility by accessing the Options - Log/List pull-down and pressing PF5/17 to release the log file to print.
___	___	Edit and submit the <code>VIASAKRX JCL</code> to test the AKR expansion job. Verify that the <code>VIASAKRX</code> job ran successfully.

The installation and checkout of Alliance is now complete.

Appendix B

Alliance CNTL and CLIST Members

Alliance CNTL Members

These are the Alliance CNTL members:

Member	Description
VIA\$OPTB	A copy of the Alliance Options member; used to restore the original installation options and is not referenced by Alliance
VIA\$PRMB	Alliance installation options member
VIAB2xxx	DB2 query definitions
VIABAPPL	Sample Export definition
VIABBTCJ	JCL to run Alliance in Batch mode
VIABCALC	COBOL training program
VIABCOMJ	JCL to compile training programs
VIABDEMO	COBOL training program
VIABDEMO1	COBOL training program
VIABIAKR	JCL to install the Alliance sample AKR
VIABIMPT	Sample Import Application Definition
VIABLACV	JCL to compile training programs
VIABMAIN	COBOL training program
VIABMAST	Copy book for VIABMAIN
VIABPRT	COBOL training program
VIABQxxx	Query definitions
VIABSCPT	Script to execute an impact analysis

Member	Description
VIABTR1J	JCL to execute the training program VIABTRN1
VIABTR1P	PROC executed by VIABTR1J
VIABTR2J	JCL to execute the training program VIABTRN4
VIABTR2P	PROC executed by VIABTR2J
VIABTR3J	JCL to execute the training program VIABTRN7
VIABTRN1	COBOL training program
VIABTRN2	COBOL training program
VIABTRN3	COBOL training program COPY member
VIABTRN4	COBOL training program
VIABTRN5	COBOL training program COPY member
VIABTRN6	COBOL training program
VIABTRN7	COBOL training program
VIABX _{xxx}	Export JCL and control files

Alliance CLIST Members

These are the Alliance CLIST members:

Member	Description
ALLIANCE	Used by the VIAAL CLIST to invoke the Alliance product from native TSO.
VIAAL	Invokes the Alliance program from a CLIST using the correct application ID (VIAX).
VIABEXD2	Deletes previously created export files to prevent the creation of uncataloged datasets.
VIABTEST	Invokes the Alliance program under TSO test for diagnostic purposes only.
VIAYBRO	Invokes the SmartBrowse Entry screen.

Member	Description
VIA YEDIT	Invokes ISPF Edit to edit a query file for Alliance.
VIA YJCLE	Displays JCL and errors when a JCL error has been detected during JCL extraction.

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