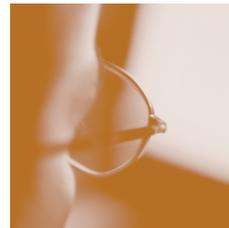


# Product Catalog

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The premier source for understanding, managing, and extending existing systems

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“Our customers’ experience is our top priority.”

Art Allen  
Founder, President & CEO



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The PSL provides access to all current and future ASG-owned technologies for a three- or five-year period. With an initial access fee that sets the industry standard for delivering declining unit costs (in MIPS) as capacity grows, and annual license fees based solely upon MIPS-based LPARS on which the product is installed, the PSL delivers unmatched value. The PSL is one simple contract for approximately 100 software solutions including:

- ASG-Adders® and Adders®/PC for streamlined data entry 23
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- ASG-Outbound Suite™ for multi-platform file transfers 28
- ASG-Outbound Enterprise™ for open-platform file transfers 28
- ASG-Outbound Express™ for mainframe-centric file transfers 29

Save \$15,000 - \$45,000 on ASG Professional Services when purchased with a PSL.

Call 941.435.2212 for details.

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The VSE PSL provides access to all current and future ASG-owned VSE-centric technologies for a three- or five-year period. The agreement also includes any VSE-based products acquired or developed by ASG during the license term. With an initial access fee that sets the industry standard for delivering declining unit costs (in MIPS) as capacity grows, and annual license fees based solely upon MIPS-based LPARS on which the product is installed, the VSE PSL delivers unmatched value. The VSE PSL is one simple contract for the following ASG software solutions:

ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes	35
ASG-CMSDOS™ for VSE library access	24
ASG-Cortex-MS™ for conversion from VSE/ESA to z/OS™ or OS/390®	24
ASG-DBOL™ for retrieving CA-IDMS® updates	10
ASG-Fast Access® for quicker CA-IDMS® read, load, and update	17
ASG-IMPACT®/NT consolidated service desk solution	26
ASG-IMPACT Web™ the Net-native enterprise service desk	26
ASG-KeyPlus® and KeyPlus®/PC for online data entry	27
ASG-KnowledgeWave™ artificial intelligence in expert systems development	36
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ASG-Outbound Enterprise™/VSE for open-platform file transfers	29
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ASG-Report.Web™ enterprise mainframe/ERP report publishing system	36
ASG-Rochade™¥ the leading meta-data repository	19
ASG-Safari™/4GL for creating and executing highly complex reports and data-management tasks	37
ASG-Safari Administrator™ a graphical meta-data dictionary	38
ASG-Safari InfoServer™ data management tool	36
ASG-Safari ODBC Interface™ for universal connectivity	38
ASG-Safari OpenAccess™ for business intelligence connectivity	38
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ASG-WebDocumentz™ for Web-based knowledge management	40
ASG-Visual Process™¥ for process management	40
ASG-Zack™/VSE™ for automated console management	32
ASG-Zeke™/VSE for OS/390® and VSE enterprise event scheduling	32
ASG-Zeke Open Edition™ (Zeke OE™) automated job scheduling for the distributed platform environment	33



The DPL provides three- or five-year access to current and future distributed-environment applications licensed with ASG. The initial access fee is based on total (not concurrent) users who have access to the applications. Additional users may be added. The DPL is one simple contract for the following ASG software solutions:

ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes	35
ASG-IMPACT®/NT consolidated service desk solution	26
ASG-IMPACT Web™ the Net-native enterprise service desk	26
ASG-KnowledgeWave™ artificial intelligence in expert systems development	36
ASG-Outbound Enterprise™ for open-platform file transfers	29
ASG-Report.Web™ enterprise mainframe/ERP report publishing system	36
ASG-Rochade™¥ the leading meta-data repository	19
ASG-Safari™/4GL for creating and executing highly complex reports and data-management tasks	37
ASG-Safari Administrator™ a graphical meta-data dictionary	38
ASG-Safari InfoServer™ data management tool	36
ASG-Safari ODBC Interface™ for universal connectivity	38
ASG-Safari OpenAccess™ for business intelligence connectivity	38
ASG-Safari ReportWriter™ for analyzing critical operational data	39
ASG-Safari WebCast™ for report distribution and access	40
ASG-Safari™/UDMS for information access	39
ASG-WebDocumentz™ for Web-based knowledge management	40
ASG-Visual Process™¥ for process management	40
ASG-Zeke Open Edition™ (Zeke OE™) automated job scheduling for the distributed platform environment	33



The IMS enables your organization to exchange data across the various platforms and databases that exist inside and outside of your domain. Information management applications connect existing internal and external information systems to create a more efficient, unified operation throughout the enterprise. Our information management solutions enable you to extend your enterprise applications to e-business while reducing your total cost of ownership and increasing competitiveness through IT resources.

The IMS provides access to specific applications. The initial access fee is based on total (not concurrent) users who have access to the applications. Additional users may be added. The IMS is one simple contract for the following ASG software solutions:

ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes 35

ASG-KnowledgeWave™ artificial intelligence in expert systems development 36

ASG-Report.Web™ enterprise mainframe/ERP report publishing system 36

ASG-Safari™/4GL for creating and executing highly complex reports and data-management tasks 37

ASG-Safari Administrator™ a graphical meta-data dictionary 38

ASG-Safari InfoServer™ data management tool 36

ASG-Safari ODBC Interface™ for universal connectivity 38

ASG-Safari OpenAccess™ for business intelligence connectivity 38

ASG-Safari ReportWriter™ for analyzing critical operational data 39

ASG-Safari WebCast™ for report distribution and access 40

ASG-Safari™/UDMS for information access 39

ASG-WebDocumentz™ for Web-based knowledge management 40



As your IT developers responsible for traditional applications continue to encounter emerging technologies, you may be faced with an IT generation gap. ASG applications management products ensure your success in bridging the technology gap by providing the foundation necessary to resolve growing enterprise challenges. Applications management products enable you to assess and analyze your existing systems first, then integrate the new application architectures, thus enhancing your ability to manage business-critical applications.

The “blueprint” below depicts the strategic deployment of ASG application management solutions.

## ASG-CATS™ is Table Change Management for CICS® 3.x, 4.x, and Transaction Server

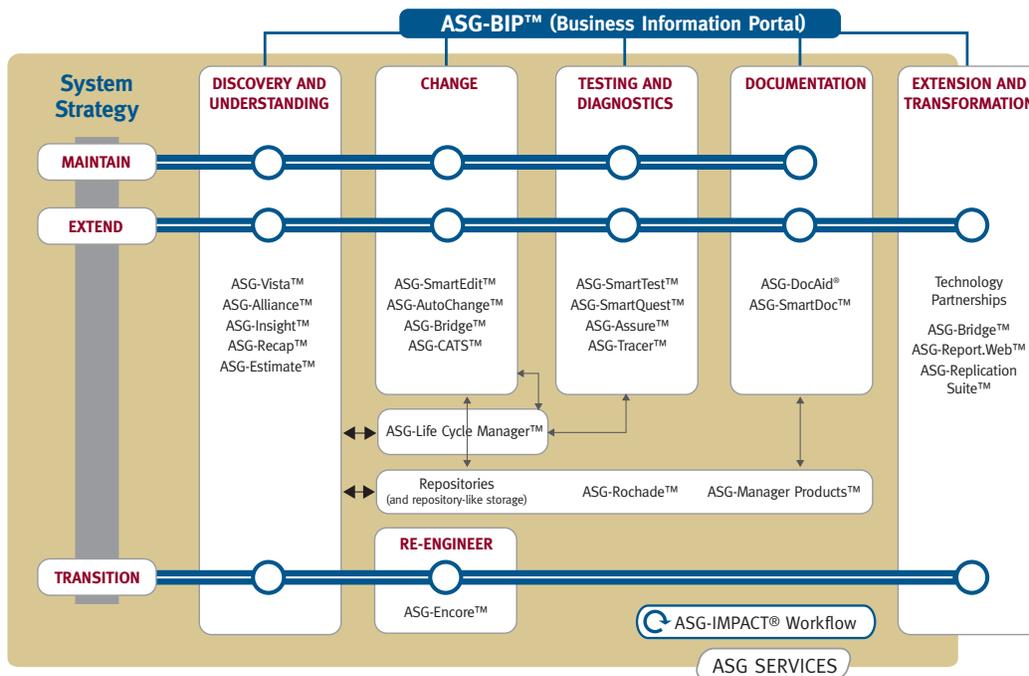
ASG-CATS is a CICS table change management productivity tool designed for applications and systems programmers. With this tool, programmers perform CICS changes with ease across all OS/390® and VSE CICS environments.

CATS reduces resource request time, provides a history of changes, eliminates assembly errors, and automates the handling of repetitive maintenance tasks. With its centralized, streamlined, and automated processes, CATS ensures greater productivity.

“ASG offers a comprehensive suite of information management, operations management, and applications management solutions to deliver the high-octane performance necessary to meet the critical business needs of our clients.”

Art Allen  
 Founder; President & CEO

### ASG Applications Management Blueprint



This applications management blueprint depicts the ASG view that there are three fundamental strategies to managing the evolution of existing systems: maintenance, extension, and transition.

#### Other ASG Products that Work with ASG-CATS™

- ASG-CSD/Auditor™ the tasks associated with analysis, reporting, and updating of CSD files
- ASG-CATS™/Web option provides Web access to this powerful CICS solution

#### ASG-CSD/Auditor™ for CSD Maintenance

ASG-CSD/Auditor, an analysis and maintenance tool for your CICS® systems programmers, automates many of the tasks associated with the analysis, reporting, and updating of CSD files.

By providing vital information on the status of CSD files and facilities, this tool makes it possible to automate your file maintenance. As a mainframe- and Microsoft® Windows®-based product, CSD/Auditor generates more than 25 standard reports on CSDs and regions.

CSD/Auditor determines the condition of CSD files, then allows you to produce batch jobs to clean up CSDs.

#### Other ASG Products that Work with ASG-CSD/Auditor™

- ASG-CATS® for centralized and auditable CICS resource change management

#### ASG-DBOL™ for Retrieving CA-IDMS® Updates

ASG-DBOL (Database Online) is an online utility that dynamically retrieves and updates data on any IDMS database. With DBOL, you can issue IDMS commands (obtain, modify, erase, etc.) directly from your terminal. A component of this product, the DBOL/LRF™ (Logical Record Facility) tool will automatically format logical records for you.

DBOL assists with correcting database problems and generating test cases to debug and troubleshoot programs more efficiently. With this true, menu-driven facility, you'll no longer need to remember data manipulation language (DML) command syntax for IDMS database problem solving and testing. DBOL populates a handful of test records and inspects the results of the test runs or patches the data back to its original state.

#### ASG-Existing Systems Workbench™ (ESW®) Suite for Managing Existing Systems

ASG-ESW is an integrated product suite providing a life-cycle solution for managing your existing systems. The ESW suite works in conjunction with the ASG Application Management product line. ESW uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), giving you access to a wealth of information about your applications. Products within the ESW suite leverage the potential power of information stored in the AKR.

#### Other ASG Products that Work with ASG-Existing Systems Workbench™ (ESW®) Suite

- ASG-Outbound Enterprise™ to transfer reports from ESW components
- ASG-Favorites™ to manage source libraries and ESW application knowledge repositories
- ASG-SEdit/MVS™ to manage and modify test data

#### ASG-Alliance™ for Understanding Applications

ASG-Alliance is the application-understanding component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your existing systems. Alliance uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), revealing a wealth of information about your organization's applications. Alliance can help your organization increase its understanding of applications and define project plans for mainframe applications.

#### Other ASG Products that Work with ASG-Alliance™

- ASG-Estimate™ to estimate resources required for a project
- ASG-Recap™ to measure and report on application quality
- ASG-Insight™ to provide in-depth, program-level understanding
- ASG-SmartEdit™ to make source code changes

- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartTest™ to make changes to applications
- ASG-AutoChange™ to apply mass changes to applications
- ASG-Outbound Suite™ for transferring data across various platforms
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories
- ASG-Bridge™ for real-time data bridging
- ASG-Encore™ for leveraging mainframe applications
- ASG-SmartQuest™/CICS for trapping and analyzing application abends in CICS®
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- ASG-SmartEdit™ to make source code changes
- ASG-SmartDoc™ to document converted COBOL application programs
- ASG-SmartTest™ to test changes to applications
- ASG-Bridge™ to bridge data in real time
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories
- ASG-Encore™ for leveraging mainframe applications

### **ASG-AutoChange™ for COBOL Automated Mass Change**

ASG-AutoChange is the COBOL automated mass-change component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing existing systems. AutoChange uses application information added to the Application Knowledge Repository™ (AKR™) by ASG-Alliance™. AutoChange also uses ASG-Estimate™ to define an impact list, and it employs ASG-Insight™ and ASG-SmartEdit™ to automate code change strategies. In addition, AutoChange uses the application knowledge to provide COBOL with intelligent, automated mass-change facilities.

#### **Other ASG Products that Work with ASG-AutoChange™**

- ASG-Alliance™ to provide an impact candidate list and mainframe application understanding
- ASG-Estimate™ to define the conversion project and provide an impact candidate list
- ASG-Recap™ to measure and report on application quality before and after conversion
- ASG-Insight™ to provide in-depth, program-level understanding

### **ASG-Bridge™ for Real-Time Data Bridging**

ASG-Bridge is the real-time, data-bridging component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution designed to help you manage your organization's existing systems.

Bridge supports database conversion projects. It has proprietary facilities for intercepting file and database access in order to supply dynamically translated data to your application programs. Bridge's high-performance, data conversion routines feed applications with data in a converted or pre-converted state.

#### **Other ASG Products that Work with ASG-Bridge™**

- ASG-Alliance™ to increase understanding of mainframe applications
- ASG-Estimate™ to define the conversion project and provide impact candidate list
- ASG-Recap™ to measure and report on application quality before and after conversion
- ASG-Insight™ to provide in-depth, program level understanding
- ASG-SmartEdit™ to make source code changes
- ASG-SmartDoc™ to document converted COBOL application programs
- ASG-SmartTest™ to make changes to applications
- ASG-AutoChange™ to implement real-time, data bridging strategies
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories

### **ASG-Encore™ for Leveraging Mainframe Applications**

ASG-Encore is the COBOL reengineering component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your organization's existing systems.

Encore uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), so that code segments can be extracted based on business logic, user interface, and database access. From these code segments, Encore creates reusable COBOL components. With this application, your company can leverage its mainframe applications and prepare for e-business.

#### **Other ASG Products that Work with ASG-Encore™**

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ to apply mass changes to applications
- ASG-Encore™ to define and estimate application projects
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories
- ASG-Insight™ to provide in-depth, program-level understanding
- ASG-Outbound Suite™ to transfer reports from ESW components
- ASG-Recap™ to manage mainframe applications
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™ to make source code changes
- ASG-SmartTest™ to make changes to applications

### **ASG-Estimate™ for Managing Mainframe Projects**

ASG-Estimate is the project definition and estimation application of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your organization's existing systems.

Estimate uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), so that your organization has instant access to a wealth of information about its applications. Estimate also defines mainframe application projects, thereby enabling mainframe-rich organizations to anticipate necessary project resources.

#### **Other ASG Products that Work with ASG-Estimate™**

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ to apply mass changes to applications
- ASG-Bridge™ for real-time data bridging
- ASG-Encore™ for leveraging mainframe applications
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories
- ASG-Insight™ to provide in-depth, program-level understanding
- ASG-Outbound Suite™ to transfer reports from ESW components
- ASG-Recap™ to measure and report on application quality
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™ to make source code changes
- ASG-SmartTest™ to make changes to applications

### **ASG-Insight™ for Understanding COBOL Application Programs**

ASG-Insight is the COBOL understanding component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your existing systems.

Insight populates the Application Knowledge Repository™ (AKR™) with Analytical Engine™ to provide you with the tools for navigating and deciphering COBOL application programs. Insight enhances the understanding of COBOL program flow and data usage for more intelligent application maintenance.

#### Other ASG Products that Work with ASG-Insight™

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ to apply mass changes to applications
- ASG-Bridge™ for real-time data bridging
- ASG-Encore™ for leveraging mainframe applications
- ASG-Estimate™ to define and estimate application projects
- ASG-Favorites™ to manage source libraries and the AKR
- ASG-Outbound Suite™ to transfer reports from ESW components
- ASG-Recap™ to manage mainframe applications
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™ to make source code changes
- ASG-SmartQuest™/CICS for trapping and analyzing application abends in CICS®
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- ASG-SmartTest™ to make changes to applications

#### ASG-Recap™ for Quality Measurement

ASG-Recap is the quality measurement component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your existing systems. Recap uses Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), giving your IS professionals an automated tool for conducting a portfolio analysis of every application in your environment. Recap presents measurement data in a format that dramatically improves your organization's decision support process, and it enables you to align business and technical goals.

#### Other ASG Products that Work with ASG-Recap™

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ to apply mass changes to applications
- ASG-Bridge™ for real-time data bridging
- ASG-Encore™ for leveraging mainframe applications
- ASG-Estimate™ to define and estimate application projects
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories
- ASG-Insight™ to provide in-depth, program-level understanding
- ASG-Outbound Suite™ to transfer reports from ESW components
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™ to make source code changes
- ASG-SmartTest™ to make changes to applications

#### ASG-SmartDoc™ for Documenting COBOL Application Programs

ASG-SmartDoc is the COBOL documentation component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your company's existing systems.

SmartDoc uses Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), thereby providing documentation for COBOL application programs. SmartDoc helps to quickly produce the documentation required for application maintenance and management processes.

#### Other ASG Products that Work with ASG-SmartDoc™

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ for COBOL automated mass change
- ASG-Bridge™ for real-time data bridging

- ASG-Encore™ for leveraging mainframe applications
- ASG-Estimate™ to define and estimate application projects
- ASG-Favorites™ to manage source libraries and ESW Application Knowledge Repositories
- ASG-Insight™ to understand COBOL application programs
- ASG-Outbound Suite™ to transfer reports from ESW components
- ASG-Recap™ to manage mainframe applications
- ASG-SmartEdit™ to edit COBOL application programs
- ASG-SmartQuest™/CICS for trapping and analyzing application abends in CICS®
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- ASG-SmartTest™ to make changes to applications

#### **ASG-SmartEdit™ COBOL-Intelligent Editor**

ASG-SmartEdit is the COBOL-intelligent editor for ASG-Existing Systems Workbench™ (ESW®), an integrated, life cycle solution for managing your company's existing systems.

SmartEdit uses the Analytical Engine™ to provide COBOL program intelligence to the ISPF editor, facilitating any changes to COBOL application programs. SmartEdit increases your organization's comprehension of COBOL programs — enabling staff to quickly make changes to resume program production faster.

Features at a Glance

- Improves application maintenance throughput
- Reduces CPU resources for program compilation
- Provides a graphic view of program structure
- Hosts COBOL intelligent find facility
- Features view-included copybooks
- Provides facilities for verifying COBOL syntax

- Provides COBOL intelligent environment to quickly identify point-of-change
- Verifies COBOL syntax to conserve compile setup and execution time

#### **Other ASG Products that Work with ASG-SmartEdit™**

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ to automatically perform designated changes on a repeat basis for a variety of programs
- ASG-Bridge™ to bridge data
- ASG-Encore™ for leveraging mainframe applications
- ASG-Estimate™ to define and estimate application projects
- ASG-Favorites™ to manage source libraries
- ASG-Insight™ to understand COBOL application programs
- ASG-Recap™ to manage mainframe applications
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartTest™ to make changes to applications

#### **ASG-SmartQuest™/CICS for Trapping and Analyzing Application Abends in CICS®**

ASG-SmartQuest/CICS is a component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your company's existing systems. It is an interactive fault analyzer with built-in source language support.

With SmartQuest, your staff has the tools to intercept and capture application abends in a CICS environment. Navigating application dumps is easy with the SmartQuest user-friendly interface.

### Other ASG Products that Work with ASG-SmartQuest™/CICS

- ASG-Alliance™ to understand mainframe applications
- ASG-IMPACT® to open problem tickets for faults trapped by ASG-SmartQuest™/CICS
- ASG-Insight™ to understand COBOL application programs
- ASG-SEdit™/MVS to prepare test data
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartTest™/CICS to test/debug in a CICS® environment

### ASG-SmartQuest™/MVS for Trapping and Analyzing Application Abends in MVS (OS/390®)

ASG-SmartQuest/MVS is a component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your company's existing systems. It is an interactive fault analyzer with built-in source language support.

With SmartQuest, your staff will have the tools to intercept and capture application abends on MVS. Navigating application dumps is easy with the SmartQuest user-friendly interface.

### Other ASG Products that Work with ASG-SmartQuest™/MVS

- ASG-Alliance™ to understand mainframe applications
- ASG-IMPACT® to open problem tickets for faults trapped by ASG-SmartQuest/MVS (OS/390®)
- ASG-Insight™ to understand COBOL application programs
- ASG-SEdit™ MVS to prepare test data
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartTest™ to test/debug in the TSO environment and in batch environments
- ASG-SmartTest™/IMS to test/debug IMS DC application programs

### ASG-SmartTest™ for Interactive Testing and Debugging

ASG-SmartTest is the interactive tester and debugger for ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing your company's existing systems.

SmartTest populates the Application Knowledge Repository™ (AKR™) with Analytical Engine™ to provide source-level debugging for COBOL, Assembler, and PL/I application programs. With SmartTest, you can quickly set up, execute, and log an application test session.

### Other ASG Products that Work with ASG-SmartTest™

- ASG-Alliance™ to understand mainframe applications
- ASG-AutoChange™ to implement repetitive changes to many programs
- ASG-Bridge™ to implement data bridging
- ASG-Encore™ for leveraging mainframe applications
- ASG-Estimate™ to define and estimate application projects
- ASG-Insight™ to understand COBOL application programs
- ASG-Recap™ to manage mainframe applications
- ASG-SEdit™/MVS to prepare test data
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™ COBOL-intelligent editor
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- ASG-SmartTest™/CICS to test and debug in the CICS environment
- ASG-SmartTest™/IMS to test and debug IMS DC application programs

### **ASG-SmartTest™/CICS for Testing and Debugging in CICS**

SmartTest/CICS is the CICS environment interactive tester and debugger for ASG's Existing Systems Workbench® (ESW®), an integrated life-cycle solution for managing existing systems.

SmartTest for CICS uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR) to provide source-level debugging for COBOL, Assembler, and PL/I applications programs in the CICS environment.

SmartTest for CICS provides the tool to quickly set up, execute, and log an application test session.

#### **Other ASG Products that Work with ASG-SmartTest™/CICS**

- ASG-Alliance™ to understand mainframe applications
- ASG-Estimate™ to define and estimate application projects
- ASG-Recap™ to manage mainframe applications
- ASG-AutoChange™ to implement repetitive changes to many programs
- ASG-Bridge™ to implement data bridging
- ASG-Insight™ to understand COBOL application programs
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™/MVS to edit COBOL application programs
- ASG-SmartTest™ to test and debug batch, TSO, and ISPF applications
- ASG-SmartTest™/IMS to test/debug IMS DC application programs
- ASG-SEdit™/MVS to prepare test data
- ASG-SmartQuest™/CICS for trapping and analyzing application abends in CICS®

### **ASG-SmartTest™/IMS for Interactive IMS/DC Testing and Debugging**

ASG-SmartTest/IMS is a component of ASG-Existing Systems Workbench™ (ESW®), an integrated life cycle solution for managing existing systems. It is the interactive tester and debugger for IMS/DC applications.

SmartTest/IMS uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR) to provide source-level debugging for COBOL, Assembler, and PL/I IMS/DC applications programs. With SmartTest/IMS, you can quickly set up, execute, and log an application test session.

#### **Other ASG Products that Work with ASG-SmartTest™/IMS**

- ASG-Alliance™ to understand legacy applications
- ASG-AutoChange™ to implement repetitive changes to many programs
- ASG-Bridge™ to implement data bridging
- ASG-Estimate™ to define and estimate application projects
- ASG-Insight™ to understand COBOL application programs
- ASG-Recap™ to manage legacy applications
- ASG-SEdit™ MVS to prepare test data
- ASG-SmartDoc™ to document COBOL application programs
- ASG-SmartEdit™ to edit COBOL application programs
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- ASG-SmartTest™ to test and debug batch, TSO, and ISPF applications
- ASG-SmartTest™/CICS to test and debug applications in the CICS environment

### **ASG-Fast Access® for Quicker CA-IDMS® Read, Load, and Update**

Fast Access reduces your processing time for CA-IDMS® database read, load, and update jobs. Fast Access performs I/O by acquiring extra buffer storage and loading it by track- or cylinder-increments - satisfying program requests for I/O at higher CPU speeds.

For batch jobs that sequentially access the IDMS database, Fast Access reduces processing time. As its name suggests, Fast Access gives you faster access to vital information and increases throughput without introducing costly system upgrades.

### **ASG-Favorites™ for Maximizing ISPF Productivity**

ASG-Favorites provides application developers with a tool for managing and organizing your application data sets more logically to increase productivity. This tool also provides shortcuts to popular ISPF functions.

#### **Other ASG Products that Work with ASG-Favorites™**

- ASG-Alliance™ for understanding applications
- ASG-AutoChange™ for COBOL automated mass change
- ASG-Bridge™ for real-time data bridging
- ASG-Encore™ for leveraging mainframe applications
- ASG-Estimate™ for managing mainframe projects
- ASG-Existing Systems Workbench™ (ESW™) to organize the Application Knowledge Repository™ (AKR™)
- ASG-Insight™ for understanding COBOL application programs
- ASG-Outbound Suite™ to copy application resources to other platforms
- ASG-Recap™ for quality measurement
- ASG-SEdit™ MVS to edit sequential data, PDS members, and VSAM databases
- ASG-SmartDoc™ for documenting COBOL application programs

### **ASG-FCopy™ for Fast CMS Copying**

If you copy files using the IBM-supplied COPY-FILE command, then you are used to waiting. Thanks to FCopy, the wait is over. FCopy performs all CMS COPY functions many times faster and provides system performance improvements on a daily basis, across many activities. FCopy's greatest performance advantage is seen when copying multiple files with many short records — elapsed time, CPU time and input/output are all greatly reduced.

### **ASG-Guest™/APT for Data Query Systems**

Improve user productivity and get the information you need, when you need it. Guest/APT is a user-friendly data query system that enables you to rapidly access and update data. Technical as well as non-technical users can create and run their own applications or immediately access the information they need. With ASG-Guest/APT, you also say goodbye to manually scanning and compiling data.

### **ASG-Guest™/IDT for Online and Batch Application Development**

Guest/IDT promotes development productivity and helps streamline the software budget by allowing for flexible, easy application creation and maintenance. Guest/IDT allows you to maximize the use of current human, software and computer resources. Guest/IDT is the one integrated tool that can handle a full scope of online and batch application development functions.

### **ASG-Guest™/SMS for Program Development**

Eliminate the need to tediously build screens with macros — and allow systems analysts and programming staff to quickly and efficiently develop programs so they can focus on more important development tasks — with the help of Guest/SMS. Guest/SMS is a screen painting and prototyping tool that generates screen maps quickly and allows programmers to design applications without a fuss before coding even begins.

### **ASG-Journal Manager™ for Controlling CA-IDMS® Journal Activities**

ASG-Journal Manager is a comprehensive journal management tool that helps your organization control all IDMS journal archivebased activities within an OS/390® environment. Recovery procedures have accurate and precise input because information is captured and journal files are saved to the Journal Manager VSAM file.

In addition, Journal Manager tracks all journal archives created by central version offloads and local mode updates, while automating the ordering of these input files.

#### **Other ASG Products that Work with ASG-Journal Manager™**

- ASG-Replication Suite® for distributing IDMS data

### **ASG-LIBR™ for Library Maintenance**

LIBR saves time and provides insurance against data entry error that may prevent production work from being run. LIBR also provides peace of mind because it limits the use of library update features to only those users with authorization. LIBR is a library management tool that allows your staff to view and interactively maintain any library in your system without having to wait for jobs to run in VSE and listings to come back or be printed.

### **ASG-Life Cycle Manager™ (LCM™) for Change Control**

ASG-Life Cycle Manager (LCM) is an easy-to-use, menu-driven software product that controls changes to software or documents and ensures only authorized changes are incorporated into sanctioned baselines, releases, or production environments. LCM brings order to the development process by helping to control the migration of changes throughout the software or document life cycle. LCM provides functionality for the entire development span through OS/390® or MVS.

#### **Other ASG Products that Work with ASG-Life Cycle Manager™ (LCM™)**

- ASG-Cortex-Pdb™ production database
- ASG-JCLPREP® will have an interface to LCM Version 3.1

### **ASG-Manager Products™ for Enterprise Meta-Data Management**

ASG-Manager Products control information from one single point about the entities running your business. The Manager Products family provides out-of-the-box support for many meta data sources and predefined repository information models (RIMs) at software development and production organizations. They also can be easily customized for your organization.

The underlying repository provides a means for integrating, exchanging, and reusing meta data. It creates a foundation for information engineering across different tools and platforms. In addition, it stores the master set of meta data to prevent lock-in of individual tools. As a result, models within and across project teams are high quality and consistent.

Manager Products use enterprise information to support the following:

- Applications and database development
- Database administration
- Data warehouse management
- Data modeling and design automation
- DDL generation
- Change management
- Documentation

#### **Other ASG Products that Work with ASG-Manager Products™**

- Integration of ASG's Manager Products with other ASG products is being explored

### **ASG-PageFix™ for Online CA-IDMS® Modifications**

Trying to make changes to database pages can be a grueling and tedious affair. PageFix changes that by enabling you to view and modify the IDMS contents of a database page online. You can also use separate windows to display and modify data with the security of knowing that all updates can be cancelled and the old pages restored. Specific lines on a page can be quickly located and displayed, and all processing can easily be initiated using PF keys. The best part of all, is that you don't need to employ other software to reap the rewards of PageFix.

### **ASG-Paint™ for Online CMS Screen Building**

Reduce the time and cost associated with designing screens for use with CMS applications using Paint. It is a fast, easy method of building screens online and copying them into an application program. The complete process is very fast, with screens being built and the components generated in a matter of minutes. All levels of the development staff can use Paint because it requires no knowledge of 3270 programming. This benefit leads to a serious reduction in the cost of training application programmers and allows them to primarily concentrate on developing the user application.

### **ASG-Rainbow™ for Migration Control**

Rainbow is a fully integrated software management system that controls the migration of application software between environments. Information describing software component characteristics and relationships is stored in the Rainbow repository. Rainbow ensures that all software is migrated, while guaranteeing its integrity.

### **ASG-Replication Suite™ for CA-IDMS® Data Distribution**

ASG-Replication Suite lets you distribute data selectively from IDMS for use by Web-enabled, client/server, desktop, mobile, or mainframe

applications. This process is accomplished with a comprehensive set of tools that enables you to load, update, and transform data into more than 80 different formats.

Replication Suite is comprised of:

- ASG-Table Designer™
- ASG-Journal Manager™
- ASG-Tracer®
- ASG-Replication Agent™

#### **Other ASG Products that Work with ASG-Replication Suite™**

- ASG-Virtual DB™ for creating virtual copies of IDMS databases
- ASG-Outbound Suite™ for multi-platform and mainframe scheduled file transfers

### **ASG-Rochade™ the Leading Meta Data Repository**

ASG-Rochade, the leading meta data repository, provides a central point for collection, control, management, and reuse of information assets. Rochade enables effective management of meta data (data about data) in a complex environment. Whether it is versioning, configuration management, or security at the most detailed level, Rochade provides support for your meta data management strategy.

Rochade is the foundation for solving a wide range of problems that occur at the boundaries between business and technology - and across technologies. It supports the reconciliation of business and design models, integration of different tools, and resolution of conflicts in data definitions.

Also, it ensures a common understanding of information in the enterprise. Whether the challenge is knowledge management, data warehouse management, application development, enterprise application integration, or management of mergers and acquisitions, Rochade is the solution.

### **ASG-RTU™ for Uninterrupted CA-IDMS® Sessions**

Satisfy all of your IDMS users' timeout needs with RTU (Resource Timeout by User). Some IDMS users need to stay logged onto IDMS during long periods of inactivity, while others only need to be on for a short time and should be prevented from leaving their IDMS sessions idle. RTU allows you to make exceptions to the standard Central Version (CV) timeout interval. RTU lets you specify different timeout intervals for each IDMS user ID or for groups of IDMS user IDs.

### **ASG-SEdit™/DB for DB2® Management**

SEdit/DB offers your organization a comprehensive solution to time-consuming DB2 database maintenance, development, and testing tasks. It is a fully integrated application development and testing tool for the DB2 environment. Create, copy, and edit DB2 objects, generate test data, test embedded SQL statements, and conveniently report the results—all with a single tool.

### **ASG-SEdit™/MVS for File Management**

ASG-SEdit/MVS is a comprehensive file management tool. It helps your organization manage and manipulate almost any MVS (OS/390®) file, including VSAM files, partitioned data sets (PDSs), sequential files, and Innovation Access Method (IAM) files.

With its interactive and full screen features, your applications programmers, systems programmers, and other MIS professionals will easily master SEdit/MVS - quickly paving the way for more efficient MVS file management.

#### **Other ASG Products that Work with ASG-SEdit™/MVS**

- ASG-Existing Systems Workbench™ (ESW®) for managing existing systems
- ASG-Favorites™ for maximizing ISPF productivity
- ASG-SmartQuest™/CICS for trapping and analyzing application abends in CICS®
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- ASG-SmartTest™ to make changes to applications

### **ASG-SIRF® for CA-IDMS® Performance Analysis**

ASG-SIRF (Statistical Interface and Reporting Facility) allows you to perform a comprehensive IDMS performance analysis. SIRF helps you process heavy workloads of online transactions and manage batch processing with minimal computer and human resources.

SIRF collects statistical information and reports on IDMS online transactions, CV batch jobs, and local mode jobs. Local mode SIRF statistics enable your organization to analyze and manage work that must be completed within a tight batch window during extended business hours.

#### **Other ASG Products that Work with ASG-SIRF®**

- ASG-PreAlert®/IDMS for CA-IDMS® monitoring
- ASG-PreAlert®/MVS for mainframe monitoring

### **ASG-Spell™ for Fast, Easy Spell Checking**

If you are responsible for keeping your system up and running, you already know that typing errors are the most common cause of job reruns and production mistakes — mistakes that cost you precious time. Spell can help you avoid those reruns and mistakes entirely. Spell is a facility that provides fast, easy spell checking and file validation of special programming languages. Spell checks each word in a file against a series of dictionaries — including a public dictionary of over 50,000 words — and allows users to customize those dictionaries with site-specific definitions.

### **ASG-Sysargos™ for Data Center Surveillance** (available in Europe only)

Sysargos places your data center under strict and constant surveillance. It detects problems immediately and automatically alerts the appropriate party. It then allows necessary corrections to be made by triggering predefined procedures or by connecting the responsible party to the system from a remote location.

### **ASG-Tempman™ for Temporary Disk Space**

If you are a CMS user who often requires the use of short-term temporary disk space, then you need Tempman. Tempman provides temporary disk space under a strictly controlled environment. The amount of space requested is controlled and data will not be lost if the system crashes. Most importantly, feel secure in knowing that when disk space is released it will be cleared down to prevent accidental viewing by another user. Tempman is the complete temporary disk space manager solution.

### **ASG-Testing Suite™ for Automated Verification**

Testing Suite for CA-IDMS® streamlines the time-consuming change verification process by automating the entire procedure and helping your IS staff concentrate on more vital IS tasks. You can take advantage of ASG's suite of testing management products to have unobscured IDMS journal access and advanced replication functionality, while eliminating the costs associated with data corruption and system downtime.

### **ASG-Assure™ for Regression Testing**

Assure is the only regression testing and comparison tool that allows you to eliminate having to manually check updates between your old database and your new database. Assure works with ASG-Tracer® to reduce system downtime, increase productivity and automate the tedious manual process of searching through reams of paper to compare records and check the accuracy of record changes — enabling your staff to focus on more productive tasks.

### **ASG-Tracer® for Processing Large Amounts of CA-IDMS® Data**

ASG-Tracer allows you to gain a better understanding of update activity on the database. With Tracer, your site can take advantage of the valuable information that IDMS automatically writes to its journal files about updates to your database.

Tracer reformats cryptic database images and converts them into an easily accessible and understandable format. You can use these results as input to your own report applications or use the pre-written reporting facility included with Tracer.

Tracer reports are essential for auditing activity against your IDMS database and pinpointing performance bottlenecks.

### **ASG-Virtual DB™ for Creating Virtual Copies of CA-IDMS® Databases**

ASG-Virtual DB allows an organization to create multiple virtual copies of IDMS databases for use across a broad range of environments, such as development, production, operations, and various end-user activities.

Virtual DB is part of the ASG-Replication Suite™. It reduces the amount of DASD required to support multiple database copies and breaks through the limitations inherent in partial data and simulated test cases. Virtual DB also enables you to execute safe hot backups that run concurrently during normal update transactions.

#### **Other ASG Products that Work with ASG-Virtual DB™**

- ASG-Replication Suite® for distributing IDMS data

### **ASG-Vista™ for Analyzing and Documenting Applications**

ASG-Vista crosses the operational and applications development spectrum of IT. Vista's unique, easy-to-navigate graphic user interface will allow your IT staff to view everything from a complete job overview to code-level detail without the challenge of trying to manually correlate data from incomplete sources. Using state-of-the-art client/server architecture with a single, relational database, Vista analyzes IS programs, files, jobs, transactions, and databases to provide instant access from the desktop. Programmers and analysts can view, query, explore, analyze, and even identify unused resources within the system in a matter of minutes.

**Other ASG Products that Work with ASG-Vista™**

- ASG-JCLPREP® for JCL management
- ASG-Cortex-Pdb™ production database
- ASG-Workload Planner™ job planning tool for mainframe scheduling
- ASG-Outbound Suite™ for transferring data across various platforms
- ASG-Cortex MS™ for converting VSE/ESA to z/OS™ or OS/390®
- ASG-Workload Analyzer™ - job analysis tool
- ASG-Zeke™ (for VSE) automated job scheduler
- ASG-Zeke Open Edition™ for automated job scheduling for distributed platforms

**ASG-XADC® for CA-IDMS® Online/Batch Productivity**

ASG-XADC is the software tool for IDMS online and batch productivity. XADC reduces input/output and CPU consumption, and it accelerates IDMS processing. XADC supports a wide range of processing situations, such as mixed random/sequential processing, IDMS warm starts, and data space/hyperspace caching. XADC installs in an uncomplicated manner and uses simple link edit jobs that do not greatly impact the production environment.

Today's challenging computing environment involves multiple products on multiple platforms, escalating maintenance fees, e-business initiatives, and merging data centers. ASG operations management products help you manage this environment and simplify complexities with solutions that meet immediate and future needs with seamless integration across your entire enterprise.

The "blueprint" below depicts the strategic deployment of ASG operations management solutions.

**ASG-Adders® and Adders®/PC for Streamlined Data Entry**

ASG-Adders allows you to handle decentralized or migrated data entry functions on intelligent PC workstations that also may serve as data entry devices. Adders migrates and expands with your enterprise. It is an independent, powerful online data entry product that saves a tremendous amount of time, money, and labor hours by streamlining the data entry process.

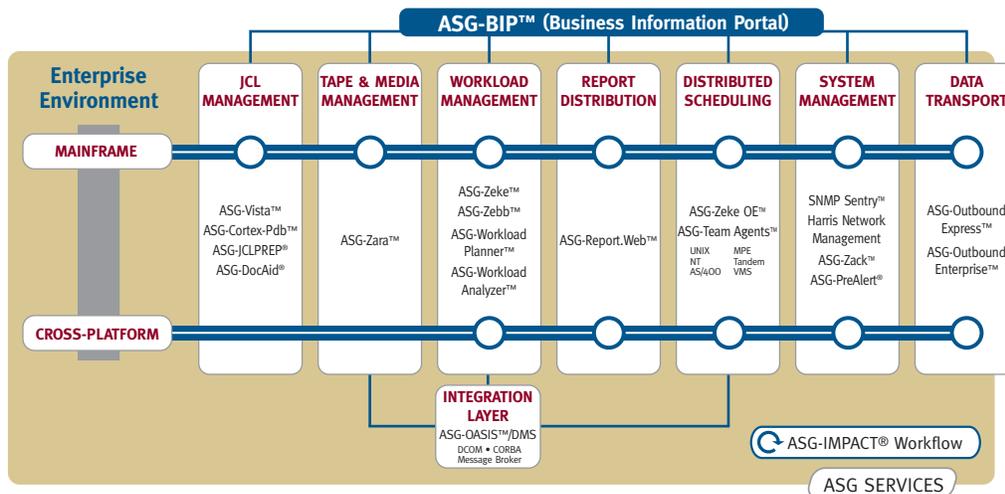
Adders allows you to enter data directly into your mainframe. Validation of data occurs immediately upon entry of the data. Errors are identified immediately as the data is being keyed. Adders is user-friendly, providing online help, screen prompting, and excellent user documentation. In addition, Adders provides fast start-up time — no front-end programming or operating system modifications are necessary.

Adders/PC provides the same data entry functionality for the PC as Adders provides for the mainframe. Adders/PC consists of three steps for setting up an application: "painting" the screen; setting up validation rules; specifying

"We will foster the association of trust through responsible actions and honest communication."

Kristi Rieger  
Chief Operating Officer

**ASG Operations Management Blueprint**



This operations management blueprint supports ASG's distributed management philosophy. ASG provides parallel operations management strategies and supports the fundamental operations management activities for centralized and distributed environments.



the command set to determine the display sequence for data entry screens; and setting up batch totals and other batch controls.

### **ASG-Batch Bridge™ for Linking Schedulers and Applications**

Batch Bridge provides the missing link between existing schedulers and distributed applications. Batch Bridge consists of a mainframe component that is transparent to existing scheduling systems. It acts as an interface between JES and workload scheduling agents on distributed platforms such as UNIX®, LINUX®, and NT®. The job to be submitted on an NT or UNIX machine is defined to your existing scheduler like any other job. Batch Bridge submits the job on the correct platform and monitors its progress. Upon job completion, the completion code of the distributed job is passed back to the existing scheduler. The existing scheduler decides how to continue based on this completion code. Additionally, job output can be redirected from the distributed platform back to the Batch Bridge job.

### **ASG-CMSDOS™ for VSE Library Access**

If you are looking to save disk space and eliminate system errors, ASG provides the CMSDOS solution. CMSDOS allows users to run application programs and compilations in the CMSDOS environment, directly accessing VSE libraries without the need for VSE to be running. Errors are reduced and disk space is freed because there is no longer a need to have duplicate copies of members on your system.

### **ASG-Cortex-MI™ Suite for System Migration**

Cortex-MI consists of two migration products: ASG-Cortex-MS™ and ASG-Cortex-RE™. Generally, the switchover to the Cortex model can be accomplished in a single weekend, ensuring that operations and development are not disrupted. The migration products load the Pdb operations repository and enable ASG-Cortex-Pdb™ to generate highly standardized JCL to load a job scheduler's database, if

required. After migration, you can install additional ASG-Cortex-OMS™ (Operations Management System) functions to enhance productivity and overall control.

### **ASG-Cortex-MS™ for VSE/ESA to z/OS or OS/390® Migration**

Cortex-MS is the standard, world-leading VSE/ESA to z/OS or OS/390 migration solution which converts, en masse, VSE/ESA programs, JCL and files to z/OS or OS/390.

### **ASG-Cortex-RE™ for Smooth JCL Standard Implementation**

Cortex-RE loads the ASG-Cortex-Pdb™ repository with the analysis data of your current OS/390® operations and helps you ensure the implementation of new JCL standards.

### **ASG-Cortex-MS™ for Conversion from VSE/ESA to z/OS™ or OS/390®**

ASG-Cortex-MS (Migration System) is a set of customizable software tools and a method for migrating an IT center from VSE/ESA operating systems to z/OS or OS/390. It automates most of the tasks involved in migration — with no disruption in day-to-day IT production. Without Cortex-MS, a complete migration may take six to nine months to complete. Cortex-MS uses the en masse switchover technique, making it possible to migrate all of your applications in just a couple of days. Cortex-MS has migrated hundreds of sites worldwide.

### **Other ASG Products that Work with ASG-Cortex-MS™**

- ASG-Cortex-Pdb™ for documenting IT production operations and generating production JCL
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Sync™ for managing data batches
- ASG-Rochade™, ASG-MethodManager™, and ASG-Vista™ for documenting IT production operations

## **ASG-Cortex-OMS™ (Operations Management System) for Managing Operations**

Cortex-OMS is a robust suite of tools for optimizing the operations of z/OS™ and OS/390®-based IT centers.

Cortex-OMS consists of:

- ASG-Cortex-Prep™ for job setup, restart, and rerun functionality
- ASG-Cortex-Plan™ for automating job planning, scheduling, and monitoring
- ASG-Cortex-Pdb™ for documenting IT production operations and generating production JCL

As an example, Cortex-Prep computes JCL — derived from template JCL generated by Cortex-Pdb — to restart or rerun failed jobs. Cortex-Plan extracts job-scheduling information from descriptions stored in the production database.

### **Other ASG Products that Work with ASG-Cortex-OMS**

- ASG-Workload Planner™ for graphically displaying job schedules
- ASG-Workload Analyzer™ for analyzing IT production workload
- ASG-Batch Bridge™ for running non-OS/390 jobs in an OS/390-centric environment
- ASG-Zara™ for managing removable media
- ASG-Outbound Suite™ for transferring data
- ASG-Sync™ for managing data batches
- ASG-IMPACT™ for service desk management
- ASG-Cortex MS™ for converting VSE/ESA to z/OS™ or OS/390®

### **ASG-Cortex-Pdb™ Production Database**

ASG-Cortex-Pdb is part of the ASG-Cortex-OMS™ suite. Cortex-Pdb documents application objects and attributes in a production database that is compatible with any hardware or software environment.

It is also a powerful compiler that generates standardized JCL and process flows. For example, it generates procedures, parameter streams, and job scheduling information for multiple environments (tests, acceptance, production, etc.) and platforms (z/OS™, OS/390®, UNIX®, etc.) in accordance with your IT standards.

In addition, Cortex-Pdb streamlines the process of moving your application JCL or other command language into production.

### **Other ASG Products that Work with ASG-Cortex-Pdb™**

- ASG-Cortex-MS™ for converting VSE/ESA to z/OS™ or OS/390®
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-JCLPREP™ for implementing JCL standards
- ASG-Life Cycle Manager™ (LCM) for moving jobs from testing to production
- ASG-Outbound Suite™ for transferring data across various platforms
- ASG-Rochade™, ASG-MethodManager™, and ASG-Vista™ for documenting IT production operations
- ASG-Sync™ for managing data batches
- ASG-Zebb™ for restarting and rerunning jobs
- ASG-Zeke™ for defining job schedules

### **ASG-Cortex-Prep™ for Restart/Rerun of Failed Jobs**

Cortex-Prep is a system that provides interactive preparation of jobs and, when required, is able to automatically rerun and restart jobs. The Autoprep option computes values for job variables that depend on a calendar or job plan. Cortex-Prep is part of the ASG-Cortex-OMS™ (Operations Management System) suite.

### **ASG-DCM™ for Dataset Status Reporting**

DCM allows users to display information about dataset ownership status and current contention conditions at their own terminal with-

out having to ask for assistance from the operations staff. DCM also automatically provides online notification about data set contention problems so your staff is always in-the-know.

### **ASG-Doc-Aid® for Comprehensive, Standardized, and Accurate Job Documentation**

ASG-Doc-Aid provides your organization with an automated solution for creating and maintaining job documentation. Doc-Aid runs under TSO/ISPF or native VTAM. It gathers information directly from JCL and sets up screens so that the documentation correctly reflects your job and its components.

In addition, Doc-Aid produces finished documents in an organized, easy-to-read hard copy format and in an online version that offers powerful cross-referencing capabilities. It releases comprehensive job reports, offering information about the components and processing flow of your jobs. This tool reduces your organization's manual processing workload, thereby increasing the accuracy of its documentation.

#### **Other ASG Products that Work with ASG-Doc-Aid®**

- ASG-JCLPREP® for JCL management
- ASG-Team Agents™ for distributed processing

### **ASG-IMPACT® Consolidated Service Desk Solution**

ASG-IMPACT, the ASG advanced Consolidated Service Desk solution, brings together service desk management, service request management, problem management, change management, asset management, service level agreement management, and enterprise notification in one fully integrated system.

IMPACT is the first distributed, open architecture, cross-platform business software solution with the technology to handle the increasingly complex technology management issues that face your organization. With IMPACT, your organization can track and resolve telephone

inquiries and problems — whether they are directed to the service desk or to other departments servicing internal or external customers.

An enterprise-wide approach to advanced service desk requirements, IMPACT systematically performs call logging, escalation, and resolution tracking. IMPACT's distributed application design virtually eliminates the barriers between your operating system configurations, storage devices, networks, and applications. Because of its common data model, IMPACT allows your staff to operate applications across different platforms without any disruptions. The IMPACT SQL-based applications are distributed for applications and data in PC and mainframe environments.

#### **Other ASG Products that Work with ASG-IMPACT®**

- ASG-Cortex-OMS™ system for managing operations
- ASG-IMPACT® Automation Services
- ASG-IMPACT® Customization Facility
- ASG-IMPACT® Expert
- ASG-IMPACT® Web
- ASG-KnowledgeWave®
- ASG-Message Center™
- ASG-PreAlert®/IDMS for CA-IDMS® monitoring
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring
- ASG-Server Facility
- ASG-SmartQuest™/CICS for trapping and analyzing application abends in CICS®
- ASG-SmartQuest™/MVS for trapping and analyzing application abends in MVS (OS/390®)
- Timbuktu Pro for Enterprise

### **ASG-IMPACT Web™ The Net-Native Enterprise Service Desk**

IMPACT Web 2.1 brings ASG's advanced Consolidated Service Desk capabilities to the Internet. Now, service desk problems and changes can be managed anywhere in the enterprise via the browser. Help desk analysts, departmental and branch IT coordinators,

managers and end-users can all be given access to your enterprise help desk system without having to license, install and maintain software on their PC.

#### **Other ASG Products that Work with ASG-IMPACT Web™**

- ASG-PreAlert®/IDMS for CA-IDMS® Monitoring
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring
- ASG-Smartquest™/MVS for trapping and analyzing application abends in MVS
- ASG-Vista™ for analyzing and documenting applications
- ASG-Zeke™ for OS/390® and VSE enterprise event scheduling

#### **ASG-JCLPREP® the Ultimate JCL Analysis, Standards, and Syntax Checker**

ASG-JCLPREP is a comprehensive JCL management solution that automates JCL changes, standards enforcement, conversion, and tuning — eliminating hours of exhaustive programming for staff. Flexible and easy to use, JCLPREP streamlines operations, improves your data center's productivity, and reduces downtime in your production system by eliminating errors.

JCLPREP is the industry standard for complete JCL management. It interfaces with ASG-Vista™ and ASG-Doc-Aid® to provide a complete view of your JCL enterprise.

This dynamic tool has the ability to perform fully customizable standards enforcement, JCL conversions, and corrections, as well as comprehensive reporting and optional reformatting. JCLPREP shields your organization against productivity losses by ensuring that job control management is performed accurately and according to predetermined standards.

#### **Other ASG Products that Work with ASG-JCLPREP®**

- ASG-Cortex-Pdb™ production database
- ASG-Doc-Aid® for accurate, comprehensive job documentation

- ASG-Life Cycle Manager™ (LCM) for accurate change control
- ASG-Vista™ for a clear picture of environments
- ASG-Zeke™ for automated job scheduling

#### **ASG-KeyPlus® and KeyPlus®/PC PC Online Data Entry**

ASG-KeyPlus is an online, data entry system that runs on IBM and IBM-compatible mainframes using standard 3270-type terminals. It incorporates all features of off-line data entry systems (e.g., immediate response time) with the benefits of online systems.

KeyPlus gives users the flexibility to determine what amount of data entry work is distributed throughout the organization. This product has the ability to access mainframe files — making it useful as a file inquiry system or a master file maintenance tool. Because KeyPlus provides a simple way to enter and extract data, it can easily generate diverse test data.

KeyPlus uses formats, jobs, batches, and operator security for controlling access at the user level. A supervisor has authority privileges and controls security to all sensitive data.

KeyPlus/PC has the same data entry formats and validation procedures that are maintained on the mainframe. These formats and procedures are transferred to the PC via a down-line load or batch file transfer process. Both platforms use the same table of valid user IDs and passwords. All editing features that are available on KeyPlus are also available on the KeyPlus/PC.

#### **ASG-OASIS™ for Inter-Application Delivery**

OASIS (Open Architecture Management System Solution) is a collection of facilities that provide common system functions for ASG mainframe automated operations applications. This integrated approach allows applications to be transported between operating systems such as MVS (OS/390®), VSE, and CMS. The OASIS architecture is constructed of individual components used by the applications ASG-Zeke™,

ASG-Zack™, ASG-Zara™, and ASG-Zebb™ to provide uniform processing. Centralized OASIS variables, for example, can be used to communicate information among applications. Additional OASIS components include a centralized audit utility, a REXX customization facility for the enterprise, and an interface to external security products such as RACE.

### **ASG-OASIS™/DMS for Inter-Application Delivery Systems**

OASIS/DMS (Distributed Management Server), an optional feature of OASIS, is an inter-application delivery system that allows applications in a distributed environment to communicate and share information from separate operating systems. OASIS/DMS transports information between applications through a VTAM communication interface, using SNA/APPC and TCP/IP protocols. With OASIS/DMS, specific application features can be used in a network environment rather than be restricted to a single CPU or a shared DASD environment. Using OASIS/DMS, applications share information, reducing manual time and effort to keep multiple applications updated with accurate operational and database information.

### **ASG-ODE®, ASG-ODE®/PC and ASG-ODE®/PCX for Data Entry**

ASG-ODE (Online Data Entry) is an online tool designed for reliable heads-down data entry, data entry application development, sophisticated system control facilities, and standard data entry activities.

ODE is user-oriented, powerful, and advanced software that is easy to use, making it ideal for novice and expert users alike. ODE eliminates the need for additional hardware by allowing direct entry to mainframe files. It will run in a CICS® environment or a VTAM-based environment and does not require key-to-disk, key-to-tape, or key-to-diskette hardware. In addition, ODE avoids delays caused by creating batches and transporting data.

You can customize ODE to fit all your data entry needs. It allows you to define multiple occurrences of a screen field or detail line, as well as define multiple screen field types and multiple edits for screen format fields. Reformatted batches of edited data are easily output for use by other applications, saving time and money.

ODE/PC provides the same robust, dependable, data entry functionality for the PC as ODE provides for the mainframe. ODE/PC is a runtime system that allows you to tap into the power of mainframe ODE system applications, screen formats, programs, tables, and more. ODE/PCX allows for a stand-alone application without interface to the mainframe version.

### **ASG-Outbound Suite™ for Multi-Platform File Transfers**

Outbound Suite provides your organization with a communication channel between different platforms and enables users to share data between systems or across systems using high-speed file transfer. Transfers are made using TCP/IP or SNA. Data is transferred, disk-to-disk, in either direction and is safe, reliable, and secure. Transfers can be done manually or can be scheduled and unattended. Requests to run commands or programs on another platform can also be sent, and will be executed automatically on that platform. Many transfer options are available, such as data compression and automatic restart — providing the flexibility you need to fulfill your data transfer requirements.

ASG-Outbound Suite consists of:

- ASG-Outbound Enterprise™ for open-platform file transfers
- ASG-Outbound Express™ for mainframe-centric file transfers

### ASG-Outbound Enterprise™ for Open-Platform File Transfers

With the ASG-Outbound Enterprise Application Programming Interface (API), user-developed programs read and write individual records randomly or sequentially to and from data sets of other operating systems/CPU's.

Outbound Enterprise supports transfers using SNA or TCP/IP among the following platforms:

- MVS (OS/390®)
- VSE
- CICS®
- VM/CMS
- UNIX®
- AS/400®
- RS/6000
- PC/LAN
- PCs running Windows® (3.1, NT, or 9x), NLM, or OS/2®
- TANDEM®

#### Other ASG Products that Work with ASG-Outbound Enterprise™

- ASG-Report.Web™ for report publishing to the Web
- ASG-Sync™ for managing data batches
- ASG-Alliance™ to increase the understanding of mainframe applications
- ASG-Cortex-Pdb™ production database
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Estimate™ to define the conversion project and provide an impact candidate list
- ASG-Existing Systems Workbench™ (ESW®) to organize application knowledge repositories
- ASG-Replication Suite® for distributing CA-IDMS® data
- ASG-Zeke Open Edition™ for planning and scheduling functions

### ASG-Outbound Express™ for Mainframe-Centric File Transfers

ASG-Outbound Express is a dynamic, mainframe-centric, file transfer tool that enables you to transfer files of any record- or block-sized combination between disparate platforms. With Outbound Express, you can run unattended data transfers between IBM-compatible, OS/390® servers (MVS, VSE, or VM) and PCs, network servers, and AS/400® and UNIX® workstations. Outbound Express supports transfers of DB2® tables and provides the ability to extract fields from DB2 databases and VSAM and QSAM data sets.

Outbound Express is particularly well-suited for repetitive, unattended, mainframe-scheduled file transfers. It supports data transfers among OS/390, MVS, VSE, and VM and the following target platforms:

- Windows® 95, Windows® 98, Windows® NT, Windows® 3.x, and their variants
- UNIX® (AIX, SCO UNIX, HP-UX, Digital UNIX, NCR UNIX, and Sun Solaris®)
- AS/400
- Novell® NetWare
- OS/2®
- DOS

#### Other ASG Products that Work with ASG-Outbound Express™

- ASG-Report.Web™ for report publishing to the Web
- ASG-Sync™ for managing data batches
- ASG-Cortex-Pdb™ production database
- ASG-Favorites™ for maximizing ISPF productivity
- ASG-Encore™ for leveraging mainframe applications
- ASG-Recap™ for quality measurement
- ASG-Insight™ for understanding COBOL application programs
- ASG-Replication Suite® for distributing CA-IDMS® data
- ASG-SmartDoc™ to document COBOL

application programs

- ASG-Vista™ for analyzing and documenting applications
- ASG-Zeke Open Edition™ for planning and scheduling functions

### **ASG-PreAlert®/IDMS for CA-IDMS® Monitoring**

ASG-PreAlert/IDMS is a real-time control system that monitors IDMS activity and helps data centers keep daily system productivity high. On a continual basis, PreAlert helps data processing organizations meet demanding service level requirements and manage growing workloads.

PreAlert provides technical staff with statistical displays and alerts them to exception conditions. It corrects problems across single or multiple central versions (CVs) within the IDMS environment. PreAlert helps resolve unexplained system slowdowns or system interruptions. With this application, staff can also analyze and alleviate data dictionary hang-ups, looping, and deadlocks.

PreAlert helps your IDMS professionals handle additional responsibilities while remaining confident in their existing operations.

#### **Other ASG Products that Work with ASG-PreAlert®/IDMS**

- ASG-SIRF® for CA-IDMS®
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring
- ASG-IMPACT® consolidated service desk solution

### **ASG-PreAlert®/MVS for MVS (OS/390®) Monitoring**

ASG-PreAlert for MVS is a robust, real-time control system that monitors activity and displays statistical data. It informs technical staff of exception conditions and corrects problems across single or multiple MVS address spaces.

By collecting statistics on hundreds of MVS events, PreAlert dramatically increases your data center's level of automation. The PreAlert system can help your organization satisfy

demanding service level agreements, manage growing workloads, resolve unexplained system slowdowns or interruptions, and fine-tune MVS for maximum system performance and throughput. PreAlert promotes more efficient use of your computer resources.

#### **Other ASG Products that Work with ASG-PreAlert®/MVS**

- ASG-IMPACT® (Service Facility)
- ASG-SIRF® for CA-IDMS®
- ASG-PreAlert®/IDMS for CA-IDMS® monitoring

### **ASG-Sync™ for Managing Data Batches**

ASG-Sync for z/OS™ and OS/390® manages data batches flowing between local or remote asynchronous IT processes. Sync streamlines your organization's data batch management by storing and documenting data batches in a separate catalog, which is a supplement to the operating system catalog. Sync collects any number of data set generations, and it stores and manages them so they are available to applications or end-users. With this process, altering your application JCL is unnecessary.

#### **Other ASG Products that Work with ASG-Sync™**

- ASG-Cortex-MS™ for converting VSE/ESA to z/OS™ or OS/390®
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Cortex-Pdb™ for documenting IT production operations and generating production JCL
- ASG-Outbound Suite™ for transferring data across various platforms
- ASG-Report.Web™ and ASG-WebDocumentz™ for document management

### **ASG-sys\*ADMIRAL™ Premier Distributed Job Scheduling Solution for the Enterprise**

ASG-sys\*ADMIRAL is an automated job scheduler for distributed environments that dynamically schedules and dispatches events while monitoring every aspect of your job schedule.

ASG-sys\*ADMIRAL provides wide-ranging functionality combining ease of use, exception-based management, scalability, and fault tolerance. A single user interface is used to manage your scheduling workload across multiple disparate environments including (but not limited to) UNIX®, Windows® 2000, Windows NT, AS/400®, and MPE/iX.

#### **Other ASG Products that Work with ASG-sys\*ADMIRAL™**

- Short-term development plans include integration with the mainframe environment (ASG-Zeke™) that will include cross-platform triggering capabilities and the extension of the common GUI to include management of MVS scheduling workloads

### **ASG-Workload Analyzer™ Job-Analysis Tool**

ASG-Workload Analyzer is a PC-based analysis tool that provides an enterprise with invaluable insight into its batch window processing. It tracks and analyzes processing performance, detects problem areas, and presents an analysis of processing in a graphic format that is easy to understand. Workload Analyzer is a superb tool for data centers, saving staff from time consuming data analysis.

Workload Analyzer displays executed jobs and identifies where jobs were abended or where time was lost. It graphically captures job runtime data from the system management facility, thereby expediting analysis of processing trends, resolving bottlenecks, and improving operational productivity in an OS/390® environment.

- Other ASG Products that Work with ASG-Workload Analyzer™
- ASG-Cortex-OMS™ for managing operations

- ASG-Vista™ for application understanding
- ASG-Workload Planner™ for planning mainframe job scheduling
- ASG-Zeke™ (OS/390 only) automated job scheduler

### **ASG-Workload Planner™ Job-Planning Tool for Mainframe Scheduling**

ASG-Workload Planner gives your data center staff the ability to better understand complex schedules from a variety of mainframe scheduling systems. In addition, it helps your staff forecast future scheduling performance.

Workload Planner takes complex information contained in a scheduling system database and translates it into interactive graphic flowcharts. Forecast information, also collected from the scheduling system, is used to create a series of graphs that predict the performance of scheduled processing.

Workload Planner provides a comprehensive flowchart of all scheduled jobs. By changing timing information, the addition or removal of jobs to and from a schedule is also modeled. This function allows you to simulate “what-if” scenarios to gauge the impact of changes on batch window processing.

#### **Other ASG Products that Work with ASG-Workload Planner™**

- ASG-Cortex-OMS™ for managing operations
- ASG-Vista™ for mainframe understanding
- ASG-Workload Analyzer™ job analysis tool
- ASG-Zeke™ for automated scheduling

### **ASG-Workload Scheduler™ for Managing Complicated Workloads**

ASG-Workload Scheduler is a full function scheduler that provides all of the functionality required by today's complex data center. It provides mechanisms to define, manage, execute, and monitor complicated workloads. In addition, it eases full cross-platform scheduling between the mainframe and UNIX® and/or NT®

workstations and servers. What makes ASG-Workload Scheduler unique is that it provides all of this functionality while maintaining its easy-to-use design.

### **ASG-Zack™ for Automated Console Management**

Providing automated systems operations, ASG-Zack monitors all console activity and events continuously. Zack independently handles routine events and alerts your operators to situations demanding further attention, allowing operators to concentrate on more pressing tasks.

#### **Other ASG Products that Work with ASG-Zack™**

- ASG-Zeke™ (for VSE) automated job scheduler

### **ASG-Zara™ Automated Tape Management Tool**

ASG-Zara is a cost-effective, online media management system. Zara secures, audits, and monitors valuable IT data in an OS/390® environment, while providing real-time access to tape management data.

With Zara's easy-to-use formatted screens, its simple operating commands, and its online customization features, your technical staff will quickly master the system. Zara vigilantly protects critical data through retention, interactively tracks data for administration and reporting purposes, offers real-time robotic support, and provides sophisticated vaulting functions. In addition, Zara tracks the physical location and data set contents for every volume, determines the status of tapes, and performs database maintenance.

Zara's spectrum of functions gives an organization greater control of its tape libraries. After JCL has called all the data sets, Zara stores information about tape cartridges. Zara also identifies media that should be scratched for reuse and data sets or volume numbers that should be protected. Zara tracks archived data, whether it is stored on-site or off-site. With this tool, your staff will enjoy access to in-house

and off-site information, presented as online displays and hard copy reports.

#### **Other ASG Products that Work with ASG-Zara™**

- ASG-Cortex-OMS™ for managing operations
- ASG-Zebb™ for restart and rerun management
- ASG-Zeke™ automated job scheduler

### **ASG-Zebb™ Automated Job Restart/Rerun System**

ASG-Zebb is an automated restart system that monitors jobs on one or multiple mainframe computers. It evaluates and logs the execution steps within jobs and provides automated restart and recovery capabilities. Zebb significantly reduces the amount of manual work required to restart or rerun jobs in OS/390® environments, dramatically reducing the possibility of human error and increasing productivity.

#### **Other ASG Products that Work with ASG-Zebb™**

- ASG-Zeke™ for automated job scheduling
- ASG-Zara™ for tape management
- ASG-Cortex-Pdb™ production database

### **ASG-Zeke™ for OS/390® and VSE Enterprise Event Scheduling**

ASG-Zeke is an automated job scheduler that dynamically schedules and dispatches events, and monitors every aspect of your job schedule.

Zeke provides wide ranging functionality, including system command scheduling, automatic variable calculation and substitution, step-level condition-code validation, workload balancing, schedule forecasting and simulation, SAF security, optional SMP/E support, simultaneous support for multiple JCL libraries, electronic vaulting capabilities, pre-built calendars, and other utilities.

When you add ASG-Team Agents™, scheduling is extended to all the major platforms, including Unix®, OS/400®, Microsoft® Windows NT®, VMS®, MPE®, and Tandem®.

#### Other ASG Products that Work with ASG-Zeke™

- ASG-Cortex-Pdb™ production database
- ASG-Doc-Aid® for comprehensive, standardized, and accurate job documentation
- ASG-JCLPREP® JCL Management
- ASG-Team Agents™ for scheduling to heterogeneous environments
- ASG-Vista™ for application understanding
- ASG-Workload Analyzer™ for job analysis
- ASG-Workload Planner™ for job planning when scheduling
- ASG-Zack™ for automated VSE console management
- ASG-Zara™ for automated tape management
- ASG-Zebb™ for automated job restart/rerun
- ASG-Zack™ for automated VSE console management
- ASG-Zara™ for automated tape management
- ASG-Zebb™ for automated job restart/rerun
- ASG-sys\*ADMIRAL™ for cross-platform triggering capabilities

#### ASG-Zeke Agents™ Extending the Power of ASG-Zeke™ to the Enterprise

Zeke Agents allow scheduling on distributed platforms from the ASG-Zeke mainframe scheduler. Jobs that run on platforms such as UNIX®, Microsoft® NT, AS/400®, HP/MPE, Tandem® and VMS platforms would be defined, managed, and controlled from ASG-Zeke™ — just like mainframe jobs. This allows the capability for leveraging existing Zeke skill sets and insulates the need to be a platform expert by focusing on scheduling tasks.

#### Other ASG Products that Work with ASG-Zeke Agents™

- ASG-Cortex-Pdb™ production database
- ASG-Doc-Aid® for comprehensive, standardized, and accurate job documentation
- ASG-JCLPREP® JCL Management
- ASG-Zeke Agents™ for scheduling to heterogeneous environments

- ASG-Vista™ for application understanding
- ASG-Workload Analyzer™ for job analysis
- ASG-Workload Planner™ for job planning when scheduling
- ASG-Zack™ for automated VSE console management
- ASG-Zara™ for automated tape management
- ASG-Zebb™ for automated job restart/rerun

#### ASG-Zeke Open Edition™ (Zeke OE™) Automated Job Scheduling for the Distributed Platform Environment

ASG-Zeke Open Edition (Zeke OE) automates job scheduling for the distributed platform environment. Zeke OE is a multi-platform, batch scheduling tool for IT enterprises not operating on mainframes. Zeke OE is based on Microsoft® Windows NT®, and it provides job scheduling capabilities for NT servers. It manages multiple platforms, such as Windows NT, UNIX®, AS/400®, and Linux®, with the same functionality and reliability as a mainframe scheduler.

#### Other ASG Products that Work with ASG-Zeke Open Edition™

- ASG-Team Agents™ for distributed scheduling
- ASG-Outbound Suite™ for transferring data across various platforms
- ASG-Vista™ for migration preparation
- ASG-Zeke™ automated job scheduler

#### e-Security Administrator Workbench™† for Creating Rule-Based Security Agents

The Open e-Security Platform is supported by the e-Security Administrator Workbench™ (eSAW). eSAW provides security managers with a complete set of GUI tools for creating rule-based security agents. Using the standard SNMP protocol, these agents link multi-vendor security products with the Open e-Security Platform for monitoring and responding to security events across the enterprise network. eSAW agents enable the Open e-Security

Platform to monitor security devices that may not themselves support SNMP communications. eSAW agents can be run on any Windows NT or Unix system connected to the network.

### **e-Security Management Desk™† for Responding to Security Events**

The Open e-Security Platform and e-Security Administrator Workbench are complemented by the e-Security Management Desk™ (eSMD). eSMD provides the tools to effectively respond to security events. eSMD can record and track security alerts detected and reported by OeSP and automatically notifies responsible individuals and departments as security conditions arise, and as situations change. eSMD supports e-mail, telephone, fax, and electronic pager notification. eSMD ensures appropriate incident escalation and de-escalation, and enforcement of security policy. If OeSP detects an attack on a firewall, eSMD can automatically initialize a routine that reconfigures the firewall to fend off the attack. It interfaces with knowledge bases and expert systems to help personnel resolve complex security-related problems and questions. Furthermore, you can implement security related service level agreements for each department or operational unit. eSMD monitors actual performance against agreements, providing an auditable and objective measure of overall security effectiveness.

### **Harris Network Management (HNM™)† for Managing Network Devices**

HNM offers a single, easy-to-use interface to manage all devices (SNMP and non-SNMP) in your network down to the card level from one single console. Its graphic display, with drill-down capability, visually identifies and evaluates network alerts for faster response time. HNM interfaces directly with ASG-IMPACT®.

### **Open e-Security Platform™† for Single-Point Security Monitoring**

The Open e-Security Platform™ (OeSP) is the foundation of the e-Security family of network security products. OeSP enables monitoring, detection, evaluation, and response to enterprise-wide security events, from a single graphic console. Through OeSP, virtually all point security software and hardware products, regardless of vendor, can be integrated into a comprehensive security infrastructure. OeSP correlates output from a wide variety of security information sources — such as firewalls, intrusion detection systems (network-based and host-based), operating systems, anti-virus software, Web servers, databases, badge readers, and others — in realtime, to give a complete picture of the security status of the distributed security environment.

### **SNMP Sentry™ † for Network Management**

The SNMP Sentry Web-Based Management System is an advanced SNMP network manager and remote network monitor system providing real-time status, event detection, event management, historical analysis, and a suite of powerful diagnostic and configuration tools for managing and maintaining small or large TCP/IP networks. Using SNMP Sentry, network administrators can achieve complete visibility of an SNMP capable network, and be automatically notified of network anomalies and threshold violations with high-level diagnostic messages. Most importantly, SNMP Sentry Web-Based Management is completely run by your Web browser, from any location on the network. This achieves a long sought solution for how to securely manage SNMP devices from a remote location on a public Internet.

### **Timbuktu Pro™† for Client Remote Control**

Timbuktu Pro provides remote control of your network servers and desktops to perform diagnostics, distribute software, and make upgrades and changes — all with end-user control and security.

ASG information management products enable your organization to exchange data across the various platforms and databases that exist inside and outside of your domain. Information management products connect existing internal and external information systems to create a more efficient, unified operation throughout your enterprise. Our information management products enable you to extend your enterprise applications to e-business while reducing total cost of ownership and increasing competitiveness through IT resources.

The “blueprint” below depicts the strategic deployment of ASG information management solutions.

**ASG-BIP™ (Business Information Portal) Web Interface for Critical Applications and Core Processes**

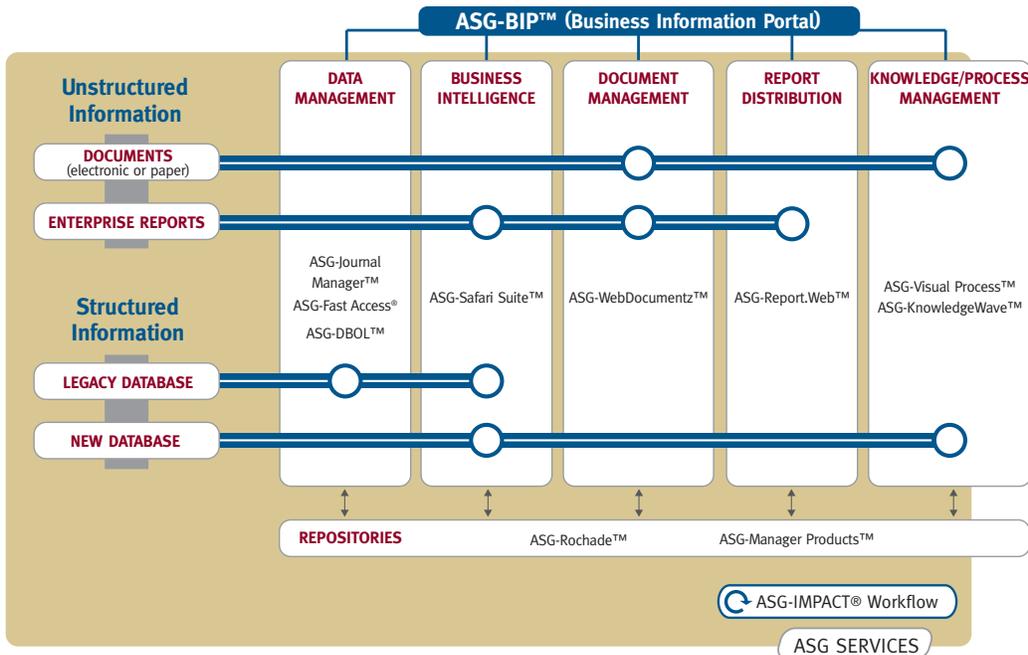
ASG’s Business Information Portal (BIP) is a highly customizable, secure, unified Web interface (Intranet) designed to work in conjunction with your organization’s critical applications and core processes.

Launch any Web-based solution through the BIP — either homogenous, third-party, or other ASG solution. The BIP is easy to deploy and maintain. Customize the BIP interface for syndicated content and corporate information distributed to your organization. You can integrate BIP with other ASG solutions for added knowledge management, business intelligence, and report distribution capabilities. Combining these applications allows your employees to retrieve pertinent data from a huge reservoir of information quickly and easily.

“We choose to work side-by-side with customers to deliver real results and to add the value of a true partner committed to each customer’s business success.”

Kristi Rieger  
Chief Operating Officer

**ASG Information Management Blueprint**



This information management blueprint represents ASG’s view of the types of information that enterprises accumulate — structured and unstructured — and the applications that ASG has in its portfolio to address them.

#### **Other ASG Products that Work with ASG-BIP™ (Business Information Portal)**

- All ASG Web-enabled solutions
- All third-party, Web-enabled solutions
- ASG-KnowledgeWave™ for artificial intelligence in expert systems development
- ASG-Report.Web™ for enterprise mainframe/ERP report publishing
- ASG-Safari™ business intelligence suite
- ASG-Visual Process™ for knowledge-driven process management
- ASG-WebDocumentz™ for Web-based knowledge management

#### **ASG-KnowledgeWave™ Artificial Intelligence in Expert Systems Development**

ASG-KnowledgeWave is the Web-based expert system and knowledge acquisition tool that consolidates the expert knowledge from your company into a single access point and builds Web applications to provide an around-the-clock Web-service presence. It also reduces support costs and increases profits from e-business initiatives.

KnowledgeWave transforms static Web pages into pages designed to handle customer inquiries, comments, orders, and other information gathering tasks. In addition, it provides a streamlined process for laying out application logic, creating Web pages, and setting up access to data — dramatically reducing the standard development period.

#### **Other ASG Products that Work with ASG-KnowledgeWave™**

- ASG-IMPACT® Web consolidated service desk solution
- ASG-BIP™ (Business Information Portal)

#### **ASG-Report.Web™ Enterprise Mainframe/ERP Report Publishing System**

Report.Web offers secure, efficient, cost-effective report distribution by Web-enabling host-generated reports for view on your corporate intranet or extranet. Report.Web, designed specifically for the Web, is a comprehensive, print-replacement solution for host and ERP reports.

Its powerful server engine helps administrators publish and manage reports with ease and at user-defined intervals. End-users view reports through a highly functional viewer and receive reports in spreadsheet format using data-mining operations.

#### **Other ASG Products that Work with ASG-Report.Web™**

- ASG-Outbound Express™ to transfer mainframe reports
- ASG-Outbound Enterprise™ to download report data to NT server running Report.Web
- ASG-Safari™ for business intelligence
- ASG-BIP™ (Business Information Portal)
- ASG-Sync™ for managing data batches

#### **ASG-Safari InfoServer™ Data Management Tool**

ASG-Safari InfoServer is a powerful, server-based data management tool. It is the driving force behind ASG-Safari solutions. Serving as the central processing point, InfoServer provides complete, simultaneous access to all types of data structures. As the data server, it feeds the entire suite of ASG-Safari InfoTools™ desktop products.

Virtually all file systems — hierarchical and relational databases and applications — are accessible through interfaces native to the InfoServer. The server allows multiple files and tables to be joined together using both relational and non-relational links. The result is a single relational view of data from multiple

heterogeneous data sources, available to you for analysis, querying, reporting, exporting, and updating.

#### **Other ASG Products that Work with ASG-Safari InfoServer™**

- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoTools™ for business analytics and data management
- ASG-Safari ODBC Interface™ for combining information stored on any hardware, operating system, and database platform
- ASG-Safari.OLAP™ for online analytical processing
- ASG-Safari OpenAccess™ for access to mainframe and relational data files from the desktop
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari™/UDMS for information access
- ASG-Safari WebCast™ for Web-based report distribution and access

#### **ASG-Safari InfoTools™ Business Analytics and Data Management Suite**

ASG-Safari InfoTools is a business analytics and data management solution that spans the spectrum of reporting requirements — from simple, ad hoc queries to intricate production reports. By providing controlled access to virtually any data source — spreadsheets, report writers, OLAP systems, and statistical packages, etc. — InfoTools guarantees maximum connectivity and performance.

#### **Other ASG Products that Work with ASG-Safari InfoTools™**

- ASG-BIP™ (Business Information Portal)
- ASG-Report.Web™ for Web-based reports distribution

- ASG-Safari InfoServer™ for data management
- ASG-Safari WebCast™ for Web-based report distribution and access

#### **ASG-Safari™/4GL for Creating and Executing Highly Complex Reports and Data-Management Tasks**

ASG-Safari/4GL is the client component of the ASG-Safari™/UDMS character-based 4RW and 4DM modules. It provides an advanced approach to creating and executing highly complex reports and data management tasks.

As part of the ASG-Safari InfoTools™ suite, Safari/4GL allows you to create 4RW reports and 4DM tasks in a GUI environment on your PC — rather than on your server. With its new and user-friendly graphic interface and its English oriented, non-procedural language, Safari/4GL extends the power of ASG-Safari ReportWriter™. Safari/4GL helps your organization build and deploy highly complex tasks and reports in rapid fashion.

#### **Other ASG Products that Work with ASG-Safari™/4GL**

- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari InfoServer™ for data management
- ASG-Safari ODBC Interface™ for combining information stored on any hardware, operating system, and database platform
- ASG-Safari OpenAccess™ for desktop access to mainframe and relational data files
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari™/UDMS for powerful characterbased reporting, exporting, updating, and querying
- ASG-Safari WebCast™ for Web-based report distribution and access

### **ASG-Safari Administrator™ a Graphical Meta-Data Dictionary**

ASG-Safari Administrator is a graphic meta data dictionary administrator specially designed for end-users and system administrators. As part of the ASG-Safari InfoTools™ suite, Safari Administrator allows end-users to create their own views and table joins. At the same time, your system administrators exercise full control over system maintenance. Safari Administrator has a user-friendly GUI interface, making it easy for your administrators to control, set up, and maintain user profiles and privileges.

#### **Other ASG Products that Work with ASG-Safari Administrator™**

- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoServer™ for data management
- ASG-Safari ODBC Interface™ for combining information stored on any hardware, operating system, and database platform
- ASG-Safari OpenAccess™ for access to mainframe and relational data files from the desktop
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari™/UDMS for information access
- ASG-Safari WebCast™ for Web-based report distribution and access

### **ASG-Safari ODBC Interface™ for Universal Connectivity**

As part of the ASG-Safari InfoTools™ suite, ASG-Safari ODBC Interface runs on a Microsoft® Windows NT® server. It provides universal connectivity to any ODBC-compliant data environment, including ASG-Safari InfoServers™ on remote systems with dissimilar platforms and operating systems.

All data is linked at the server level using the consolidating and processing power of Safari InfoServer, rather than the less efficient power of ODBC-joining technology (which

consolidates and processes data at the desktop level). With Safari ODBC Interface desktop tools, you can access data sources from Windows, UNIX®, IBM®, VMS, and MPE environments — and you will benefit from the consolidating and processing power of Safari InfoServer.

#### **Other ASG Products that Work with ASG-Safari ODBC Interface™**

- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari InfoServer™ for data management
- ASG-Safari OpenAccess™ for access to mainframe and relational data files from the desktop
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari™/UDMS for information access

### **ASG-Safari OpenAccess™ for Business Intelligence Connectivity**

As part of the ASG-Safari InfoTools™ suite, ASG-Safari OpenAccess gives your end-users an entire range of desktop tools to access mainframe and relational data files. Such tools include spreadsheets, report writers, DSS tools, and OLAP tools.

With this application, users will no longer be restricted to a standardized set of applications or database-specific desktop tools — giving them exceptional flexibility and unprecedented connectivity. Using native interfaces, OpenAccess provides simultaneous access to multiple file structures and offers the benefits of ASG-Safari InfoServer™ n-tier architecture.

#### **Other ASG Products that Work with ASG-Safari OpenAccess™**

- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data management tasks

- ASG-Safari InfoServer™ for data management
- ASG-Safari ODBC Interface™ for combining information stored on any hardware, operating system, and database platform
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari™/UDMS for information access

### **ASG-Safari ReportWriter™ for Analyzing Critical Operational Data**

As part of the ASG-Safari InfoTools™ suite, ASG-Safari ReportWriter gives you the tools to access, consolidate, and analyze critical operational data stored anywhere in your data resources. Safari ReportWriter also produces presentation-quality reports of these findings.

With the addition of this desktop tool, your users will quickly convert operational data into meaningful pictures of your operations. As a result, you will have the insight you need to make informed business decisions, streamline your operations, increase sales, and enhance customer satisfaction.

#### **Other ASG Products that Work with ASG-Safari ReportWriter™**

- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoServer™ for server-based data management
- ASG-Safari ODBC Interface™ for combining information stored on any hardware, operating system, and database platform
- ASG-Safari OpenAccess™ for desktop access to mainframe and relational data files
- ASG-Safari™/UDMS for information access
- ASG-Safari WebCast™ for Web-based report distribution and access

### **ASG-Safari™/UDMS for Information Access**

As part of the ASG-Safari InfoTools™ suite, ASG-Safari/UDMS — a family of characterbased and user-friendly information access tools — arms your organization with powerful reporting, exporting, updating, and querying capabilities. Providing greater flexibility and additional options, these capabilities are delivered through separate modules and packaged in a variety of ways. The consistency among the UDMS tools significantly reduces the learning curve for your staff.

#### **Other ASG Products that Work with ASG-Safari™/UDMS**

- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoServer™ for data management
- ASG-Safari ODBC Interface™ for combining information stored on any hardware, operating system, and database platform
- ASG-Safari OpenAccess™ for desktop access to mainframe and relational data files
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari WebCast™ for Web-based report distribution and access

### **ASG-Safari.OLAP™ for Business Intelligence**

ASG-Safari.OLAP is a robust, interactive, and scalable Web application designed to help you turn complex business data into business intelligence. In addition to providing tactical information, Safari.OLAP identifies the causes behind events and patterns through interactive analysis. With this tool, your staff will gain instant insight into the factors driving your business and they will have a rich environment for viewing and manipulating data.

#### **Other ASG Products that Work with ASG-Safari.OLAP™**

- ASG-Safari InfoServer™ for data management
- ASG-Safari WebCast™ for Web-based report

#### **ASG-Safari WebCast™ for Report Distribution and Access**

Representing a more effective alternative to printed report generation and distribution, ASG-Safari WebCast is a Web-based report distribution and access system. WebCast replaces traditional report output with HTML output, so that you can view reports with a standard Web browser. Thus, it eliminates the significant paper, manpower, and delivery costs associated with traditional printed reports. To ensure maximum efficiency, reports are available worldwide, immediately upon execution.

#### **Other ASG Products that Work with ASG-Safari WebCast™**

- ASG-Safari Administrator™ for system setup and maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoServer™ for data management
- ASG-Safari InfoTools™ for business analytics and data management
- ASG-Safari.OLAP™ for online analytical processing
- ASG-Safari ReportWriter™ for production and ad hoc report writing
- ASG-Safari™/UDMS for information access

#### **ASG-Visual Process™ for Process Management**

ASG-Visual Process offers your organization the tools and knowledge for thoroughly planning, executing, and managing IT and business projects.

Visual Process supports knowledge management by delivering, managing, authoring, and customizing methodologies. In addition, it

supports process management by planning and estimating projects, and by facilitating the workflow of tasks and deliverables for application development practitioners.

This integrated suite of tools supports every step of a project, from planning to execution to implementation, so your organization can transform knowledge into a viable and successful project plan.

#### **Other ASG Products that Work with ASG-Visual Process™**

- ASG-BIP™ (Business Information Portal)

#### **ASG-WebDocumentz™ for Web-Based Knowledge Management**

WebDocumentz is a comprehensive browser-based knowledge management system for enterprises. Designed with Microsoft® Web technologies, WebDocumentz can be seamlessly integrated with your organization's intranet, extranet, and Internet sites.

With WebDocumentz, your company easily manages all stages of document creation, scanning, publishing, and distribution. WebDocumentz provides a secure repository for your users' documents, allowing groups of any size to collaborate.

#### **Other ASG Products that Work with ASG-WebDocumentz™**

- ASG-BIP™ (Business Information Portal)

**ASG Portfolio Site License™ (PSL)**

The Portfolio Site License (PSL) program allows customers to access the entire ASG software portfolio for a single, capacity-based fee. Annual usage fees charged for installed products are determined solely by the portion of the processor that is actually utilized by each solution.

You will benefit from more than one hundred ASG solutions serving data center needs in information management, operations management, and applications management.

**ASG Professional Services**

As the premier source for understanding, managing, and extending existing systems, ASG Services will help you fully realize your investment in your enterprise software solutions as you improve the productivity of your enterprise systems. ASG's Services Team offers a variety of services and solutions to help you gain real insight into your business as you realize exceptional productivity gains and return on your IT investments.

Our highly trained and product-qualified team will assist you to ensure the successful implementation of your software, including configuration, installation, and customization. From the first contact with your project team, our objectives is to understand your strategy, identify your business issues, and determine the correct approach to satisfy your requirements. After a thorough analysis, a comprehensive plan for the services to be performed is developed, specifically outlining the steps to success.

ASG Services not only helps you implement the right solutions and unleash the potential of your ASG products, but we ensure that your staff is equipped to keep those solutions running efficiently.



**Unbeatable Value**

- Access all ASG software solutions
- Annual usage fees based upon MIPS based LPARS on which individual products are installed
- Reduces costly negotiation and transaction cycles



ASG is a privately held global enterprise software and professional services firm with a full range of information management, operations management, and applications management services.

Founded in 1986, ASG has more than 4,500 clients, and 8,000 software licenses worldwide. ASG's client base covers the majority of Global 5000 firms including industry leaders such as ABN AMRO, Air France, American Express, Coca Cola, Daimler Chrysler, General Electric, IBM, Merrill Lynch, Procter & Gamble, Telecom Italia, Toyota, and Wells Fargo.



ASG is headquartered in Naples, Florida, USA, with offices throughout the Americas, Europe, Middle East, Africa, and Asia.

ASG partners with clients to improve productivity and significantly enhance performance through the intelligent use of technology

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