Program Directory for
IBM Z Service Management Suite
English and Japanese

2.3.0

Program Number 5698-014

for Use with
z/OS

Document Date: June 2022

GI13-5238-03

Note

Before using this information and the product it supports, be sure to read the general information under 7.0, “Notices” on page 109.

Contents

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1.0 Introduction

This program directory is intended for system programmers who are responsible for program installation and maintenance. It contains information about the material and procedures associated with the installation of IBM® Z Service Management Suite. This publication refers to IBM Z Service Management Suite as Service Management Suite, IBM Z NetView (English) as NetView English, IBM Z NetView (Japanese) as NetView Japanese, IBM Z NetView Enterprise Management Agent as NetView Ent Management Agent, IBM Z System Automation as System Automation, and IBM Z Software Asset Management as IBM Z SW Asset Mgmt.

Note: This program directory contains information on installing the OMEGAMON and ITCAM for AD componentry as they install into shared datasets and share common FMIDs. The other Netview, System Automation, and IBM Z SW Asset Mgmt components use the original individual product program directories as they do not share the OMEGAMON affinities.

The Program Directory contains the following sections:

- 2.0, “Program Materials” on page 10 identifies the basic program materials and documentation for Service Management Suite.
- 3.0, “Program Support” on page 13 describes the IBM support available for Service Management Suite.
- 4.0, “Program and Service Level Information” on page 16 lists the APARs (program level) and PTFs (service level) that have been incorporated into Service Management Suite.
- 5.0, “Installation Requirements and Considerations” on page 20 identifies the resources and considerations that are required for installing and using Service Management Suite.
- 6.0, “Installation Instructions” on page 57 provides detailed installation instructions for Service Management Suite. It also describes the procedures for activating the functions of Service Management Suite, or refers to appropriate publications.

Before installing Service Management Suite, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that are supplied with this program in softcopy format and this program directory; after which, keep the documents for your reference. Section 3.2, “Preventive Service Planning” on page 13 tells you how to find any updates to the information and procedures in this program directory.

Service Management Suite is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The program directory that is provided in softcopy format on the CBPDO is identical to the hardcopy format if one was included with your order. All service and HOLDDATA for Service Management Suite are included on the CBPDO.

Do not use this program directory if you install Service Management Suite with a ServerPac. When you use one of those offerings, use the jobs and documentation supplied with the offering. The offering will point you to specific sections of this program directory as needed.

1.1 IBM Z Service Management Suite Description

The IBM Z Service Management Suite offering that you purchased includes a suite of products you can use to monitor your z System ® environments. This offering provides comprehensive service management functions to automate and monitor applications, networks, and all kind of software and hardware assets. The license enables you to use the included components in a very flexible manner to proactively manage the availability and performance of your applications. This offering provides both realtime and historical performance, and availability management capabilities for your IBM z/OS operating system, mainframe networks, storage subsystems, IBM Db2, IBM CICS, IBM IMS, IBM WebSphere MQ for z/OS, IBM WebSphere Application Server for z/OS, and IBM Integration Bus for z/OS. This offering simplifies ordering of a IBM monitoring portfolio and provides a single product package to solve some of your monitoring needs. Rather than having to predetermine exactly which IBM monitoring technologies you want to use, this offering license allows you to use any of the included products.

New in Service Management Suite 2.3.0:

- IBM OMEGAMON for Db2 Performance Expert on z/OS 5.5.0 enables users to assess the efficiency of Db2 and optimize its performance, combining reporting, monitoring and buffer pool analysis features, as well as expert database analysis functions. OMEGAMON for Db2 PE introduces the following enhancements to support Db2 13:
  - Monitoring and reporting on the Db2 SQL Data Insights built-in function. This information includes the amount of CPU usage and IBM Z(R) specialty engine times. This enables you to extract a focused cost analysis for the Db2 SQL Data Insights built-in feature.
  - Monitoring and reporting on the IBM z16-based Group Buffer Pool Residency Times for data and directory entries. This helps improve structure sizing and allocation, as well as workload balancing between cache structures.
  - Monitoring and reporting on the Application Timeout and Deadlock Control improvement. Improvement includes the new IFCID 437 that provides information on the expected usage results from applications.
  - Identifying the Longest Lock/Latch Waiter for each completed transaction to determine which resources and time used. This helps organizations analyze resource usage and potentially address application performance issues.
  - Monitoring and reporting on the new DBAT Termination Behavior feature exposed in the Global DDF Activity statistics. This function helps analyze the impact of this feature.
  - Monitoring and reporting on the plan authorization cache related improvements. This information can be used to indicate a reduced RACF(R) contention when checking for a plan EXECUTE privilege.
  - Reporting on the new Index Split IFICD 396. This helps analyze the impact on application performance.

Other new capabilities:

- Added Db2 Profile warning and exception monitoring (IFCID 402) to the E3270 and Performance Expert Client real-time monitoring interfaces.
- Added Db2 Aggregated Accounting statistics reporting (IFCID 369) to the E3270 realtime monitoring interface.

- IBM Z OMEGAMON for CICS 5.6.0:
  - Program Tracking adds a powerful new diagnostic to IBM Z OMEGAMON for CICS. Previously, you could see resource usage data for all transactions in a CICS region, and all CICS programs installed in a region, but it was not possible to see a list of the programs used, by region and by task, with the resource usage for each program. Program Tracking lets you do this.
  - At the CICS region level, a new tab on the Program Summary panel allows you to see a list of all CICS programs that have been used in a region, with usage statistics for each, including CPU time (total and average used per invocation), number of abends, number of mode switches, and other useful metrics.
  - At the task level, you can view program usage from different perspectives:
    - Programs used by a given task
    - Tasks that have used a given program
  - Having a list of all CICS programs used by a task, with usage statistics for each program, helps you quickly identify programs that are using excessive system resources. A new tab called Programs, on the Task History Detail panel, displays this information.
  - You can also look at it the other way, by viewing all tasks that have used a given CICS program. The Task History Filters workspace now lets you specify the program name as one of the inclusion criteria in a Task History filter. Once you have done this, the CICSplex Task History panel will display only the tasks that have used that program
  - Program Tracking helps you quickly identify poorly performing CICS programs and the transactions that use them.

    IBM Z OMEGAMON for CICS 5.6.0 includes several other significant enhancements:

    - Resource limiting resolution for CPU has been increased, to allow transaction limits to be set in millisecond increments. This lets you take action much sooner, to prevent tasks from impacting the region.
    - Finding resources within a group of regions is now much more intuitive. The new FIND command menu provides a drop-down list of resources to search for, together with related help for each resource type. FIND is now extended to CICS temporary storage and transient data queues.
    - New CICS policy statistics are available. For customers using policies within CICS to take actions on applications, IBM Z OMEGAMON for CICS will now show statistics relating to the use of those policies.

- CICS Transaction Gateway Memory statistics are now available. This allows users to monitor their CICS Transaction Gateway Daemon for problems related to memory usage.

– IBM Z NetView® 6.4.0 provides automation, and network and systems management to address today's requirement for business agility on System z. System and Network Automation provided by NetView addresses customers continued drive for increased IT availability. As expanding network requirements, such as adding mobile devices, increases the need for a complete network management solution will be increasingly important.

– IBM Z Service Management Suite ID 2.3.0, HFZS230 FMID, is a function that allows IBM Z Software Asset Management to differentiate between individual products and suites that are composed of a number of these same products.

This offering includes the following products:

– IBM Z OMEGAMON Monitor for z/OS

  - provides detailed monitoring and problem management for IBM Z systems
  - provides the visibility, usability, and performance that are required to make managing these environments and components more efficient and effective, preventing or reducing downtime due to outages

– IBM Z OMEGAMON Networks Monitor

  - collects network performance management data across IBM Z mainframe systems
  - proactively monitor and manage network performance of IBM Z mainframe systems resources and mission-critical applications
  - enables the management of multiple IBM Z mainframe systems and network stacks from a single interface to improve user productivity and operational scalability

– IBM OMEGAMON for Storage on z/OS is the comprehensive monitor for z/OS I/O subsystem performance and storage availability. The product combines comprehensive storage performance monitoring with a flexible, easy-to-use browser interface that helps you clearly understand storage conditions and ensure optimal performance.

– IBM Z OMEGAMON Integration Monitor displays performance information from a variety of sources, including OMEGAMON monitors and third-party software, in a single location. It delivers near real-time and historical information and operating system and key subsystem performance. You can use a single-screen view of all situation alerts to rapidly identify the root-cause of complex issues involving multiple subsystems.

  This delivery adds new capability that is designed to make it easy to extract critical z/OS metrics available from IBM Z OMEGAMON Monitoring for z/OS and visualize them by using open source platforms (such as Prometheus, Grafana, Kafka, ElasticSearch, and Kibana). Sample visualizations created for use with Kibana are provided. These modern visualizations are designed to be easily customized to meet specific analysis needs, including longer term trending, and Artificial Intelligence (AI) and Machine Learning (ML) techniques can be used to analyze this operational data to expose anomalies or determine new insights.

- IBM OMEGAMON for IMS on z/OS is a powerful management tool to help you optimize the performance and availability of your vital IMS systems. It provides a single point of control over IMS in parallel sysplex environments and reports on performance of coupling facility structure statistics, shared queue counts, database lock conflicts and a number of other key IMS attributes that help you stay ahead of potential delays or outages.
- IBM Tivoli Composite Application Manager (ITCAM) for Web Resources, a component of ITCAM for Application Diagnostics, which is included in this package, combines ITCAM for WebSphere and ITCAM for J2EE into a single product and includes new and enhanced capabilities. As a combination of the two products, ITCAM for Web Resources provides deep diagnostic capabilities for JEE applications. Broadly defined, these capabilities could be categorized into three areas that each help to focus in on application performance problems: operational monitoring, transaction analysis, and memory analysis.
- IBM OMEGAMON for Messaging on z/OS is a product package consisting of several components. The following agent components can be configured and run on the mainframe.
  - The IBM MQ Monitoring Agent provides you with the means to verify, analyze and tune MQ for reliability and performance by detecting problems before they impact availability and service levels. It lets you easily collect MQ-specific data for all your queue managers, queue-sharing groups, clusters, channels, and queues, and view and analyze the data from a single vantage point. It reduces the amount of time to troubleshoot problems with many useful workspaces in which you can view current data and track trends in recent and historical data.
  - The IBM Integration Bus Monitoring Agent provides you with the means to verify, analyze, and tune message brokers for reliability and performance by detecting broker and message flow problems before they impact availability and service levels. It reduces the amount of time involved in the deployment of broker applications by helping you debug message flows and providing statistics you can use to tune your environment.
- IBM Z OMEGAMON for JVM provides resource-level monitoring of all Java virtual machines (JVMs) on z/OS. By using Z OMEGAMON for JVM, you can efficiently monitor, identify, isolate, and correct problems when JVMs on z/OS are in distress or are failing.
- IBM Tivoli Discovery Library Adapter for z/OS V3.1.0 discovers z/OS resources and generates output XML files. The files, often referred to as Books, conform to the Discovery Library IdML XML schema and Common Data Model (CDM).

  PARMGEN provides additional configuration enhancements by providing users the option to utilize the functionality of the z/OS Discovery Library Adapter (DLA) to automatically discover properties about online subsystems and include these details within the runtime environment (RTE) configuration files. This reduces the time and effort in creating accurate configuration files.

Note: For more information, refer to the usage of the PARMGEN KCIJPDLA job topic in this URL: https://www.ibm.com/docs/en/om-shared?topic=profiles-preparing-configuration-by-running-kcijpdln-jobs

- IBM Z Software Asset Management 8.2.0 is used to scan the DASD of a z/OS system or systems and determine the software products installed on those systems. It includes the ability to monitor the execution, and report on the usage, of software products.

  IBM Z Software Asset Management provides answers to the following:

  – What software is installed?

  – Who is using the software?

  – What are the usage trends of the installed software?

  There are many benefits of accurate answers to these questions, including:

  – Reduced or eliminated license compliance exposure.

  – Improved data center consolidation and configuration management.

  – Improved value-based charge-back programs.

  – Effective disaster recovery.

  – Obsolete versions of software are discovered and the usage of these versions understood which may result in reduced vendor software expense.

  – The usage trends of software and libraries can be charted.

- IBM Z System Automation 4.3 is a policy-based, self-healing, high-availability solution to maximize efficiency and availability of critical systems and applications. It reduces administrative and operational tasks, customization and programming effort, automation implementation time and costs with Parallel Sysplex® management and automation, and policy-based automation.

- IBM Service Management Unite 1.1.9

  Service Management Unite is a customizable management dashboard, bringing mainframe management information and tasks from disparate sources into a single environment. It helps operators triage alerts and take corrective action, including issuing system commands and viewing results, without going to a different console.

- IBM Z ChatOps 1.1.2

  Z ChatOps provides an intelligent chatbot that gives users access to information from Z systems management tools, such as IBM Z System Automation, IBM Z NetView, IBM Z Workload Scheduler, and IBM OMEGAMON, directly into Slack, Microsoft Teams, or Mattermost. Easily notify the IT operations team in the chat tool about alters from IBM Z applications, IBM Z ChatOps leverages and integrates with Service Management Unite for a broad access to systems management data and to enable chat users to drill down into web-based dashboards with additional information. With Z ChatOps, accelerate incident resolution and enable collaborative problem isolation and faster onboarding of next-gen IBM Z operators.

  Note: Refer to the customer access portal **http://www.ibm.com/support/docview.wss?uid=swg21962625** for news on IBM Z ChatOps and IBM Service Management Unite. The customer access portal includes information on:

  – what is new in the latest releases

- the products supported for integration
- the software pre-requisites
- how to download the latest releases of Z ChatOps and Service Management Unite

1.2 Service Management Suite FMIDs

Service Management Suite consists of the following FMIDs:

HRKZ560
HKOB750
HKSB750
HRKN560
HKS3550
HRKD560
HKOA110
HKC5560
HKGW560
HKDB550
HKI5550
HAAD710
HAAD71C
HKYN710
HKQI750
HKMQ750
HKJJ55U
HKJJ550
HIZD310
HFZS230

The following is a list of product component FMIDs for NetView, System Automation, and IBM Z SW Asset Mgmt that are delivered with this product package but for which installation is not documented here, please refer to the respective product program directory for the respective installation instructions.

- NetView English 5697-NV6

  HNV640B
  JNV640E
  HNV640A
  HKOB750

- NetView Japanese 5697-NV6

  HNVL13B
  JNVL13J
  HNV630B
  JNV630J
  HNV630A

- System Automation 5698-SA4

  HWRE430
  JWRE431
  JWRE43C
  JWRE43F
  JWRE43I

- IBM Z SW Asset Mgmt 5698-AA4

  HHSI820

2.0 Program Materials

An IBM program is identified by a program number. The program number for Service Management Suite is 5698-014.

Basic Machine-Readable Materials are materials that are supplied under the base license and are required for the use of the product.

The program announcement material describes the features supported by Service Management Suite. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is physical media or downloadable files. This program is in SMP/E RELFILE format and is installed by using SMP/E. See 6.0, “Installation Instructions” on page 57 for more information about how to install the program.

You can find information about the physical media for the basic machine-readable materials for Service Management Suite in the *CBPDO Memo To Users Extension*.

To view the Program File Content of the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

2.2 Program Publications

The following sections identify the basic publications for Service Management Suite.

Figure 1 on page 11 identifies the basic unlicensed publications for Service Management Suite.

The unlicensed documentation for Service Management Suite can be found on the IBM Documentation website at **https://www.ibm.com/docs/en/zsms2/2.3.0/**.

Figure 1. Basic Material: Unlicensed Publications
Publication Title
IBM Z Service Management Suite Agreements and License Information (LC27-9721)
Program Directory
Quick Start Guides
OMEGAMON shared publications
IBM Tivoli Monitoring documentation
IBM Tivoli Discovery Library Adapter for z/OS User's Guide & Reference
IBM Z OMEGAMON Data Provider User's Guide
Component Products
IBM Z NetView (English) Program Directory (GI11-9444)
IBM Z NetView (Japanese) Program Directory (GI11-9445)
IBM Z NetView Enterprise Management Agent Program Directory (GI11-9446)
IBM Z System Automation Program Directory (GI13-4184)
IBM Z Software Asset Management Program Directory (GI13-5230)
Accessing IBM Service Management Unite CD (LCD8-2731)

Note: The Accessing IBM Service Management Unite CD supplies information for the IBM Service Management Unite portal, as well as the key to access the software download link.

Prior to installing Service Management Suite, IBM recommends you review the OMEGAMON shared documentation 6.3.0 Fix Pack 2 and above, **First time deployment guide (FTU installation and tasks)**, the Planning, Configuring, and Configuration Manager topics for general planning and configuration flow. This documentation focuses on the things you will need to know for a successful installation and configuration of the product components included in ths package.

The OMEGAMON shared documentation, and other IBM product documentation can be found at the IBM Documentation URL listed below:

https://www.ibm.com/docs/en/om-shared

The **First time deployment guide (FTU installation and configuration tasks)** documentation can be found on the IBM Documentation website at:

https://www.ibm.com/docs/en/om-shared?
topic=guide-ftu-installation-configuration-tasks

Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for a complete documentation list and installation instructions for its product components.

2.3 Program Source Materials

No program source materials or viewable program listings are provided for Service Management Suite.

2.4 Publications Useful During Installation

You might want to use the publications listed in Figure 2 during the installation of Service Management Suite.

Figure 2. Publications Useful During Installation

Publication Title	Form Number
IBM SMP/E for z/OS User's Guide	SA23-2277
IBM SMP/E for z/OS Commands	SA23-2275
IBM SMP/E for z/OS Reference	SA23-2276
IBM SMP/E for z/OS Messages, Codes, and Diagnosis	GA32-0883

Note: These publications can be found in IBM Documentation. Use a web browser with internet access to refer to: **https://www.ibm.com/docs/en/zos/2.5.0?topic=zos-smpe**

3.0 Program Support

This section describes the IBM support available for Service Management Suite.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

To report issues or defects related to the use of the IBM Z Distribution for Zowe™ 1.0 functionality use the IBM Z Service Management Suite 5698-014 program number and or related component IDs.

3.2 Preventive Service Planning

Before you install Service Management Suite, make sure that you have reviewed the current Preventive Service Planning (PSP) information for the respective product components included in the product package. Review the PSP Bucket for General Information, Installation Documentation, and the Cross Product Dependencies sections. For the Recommended Service section, instead of reviewing the PSP Bucket, it is recommended you use the IBM.PRODUCTINSTALL-REQUIREDSERVICE fix category in SMP/E to ensure you have all the recommended service installed. Use the **FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)** operand on the **APPLY CHECK** command. See 6.1.11, “Perform SMP/E APPLY” on page 67 for a sample APPLY command.

If you obtained Service Management Suite as part of a CBPDO, HOLDDATA is included.

If the CBPDO for Service Management Suite is older than two weeks by the time you install the product materials, you can obtain the latest PSP Bucket information by going to the following website:

http://www14.software.ibm.com/webapp/set2/psearch/search?domain=psp

You can also use S/390 SoftwareXcel or contact the IBM Support Center to obtain the latest PSP Bucket information.

For program support, access the Software Support Website at **http://www.ibm.com/support/**.

PSP Buckets are identified by UPGRADEs, which specify product levels; and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for Service Management Suite are included in Figure 3.

This product has an installation requirement for IBM Tivoli Management Services on z/OS 6.3.0 Fix Pack 7 or higher (5698-A79), so you should review the PSP buckets for it as well. Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for those UPGRADE and SUBSET values.

Figure 3. PSP Upgrade and Subset ID

UPGRADE	SUBSET	Description
OMEGRKZ560	HRKZ560	OMEGAMON Monitor for z/OS
	HKOB750	OMNIMON Base
	HKSB750	Shared Probes
OMEGRKN560	HRKN560	OMEGAMON Network Monitor
OMXES3550	HKS3550	OMEGAMON for Storage on z/OS
OMEGRKD560	HRKD560	OMEGAMON Integration Monitor DE
	HKOA110	OMEGAMON Data Provider
OMEGC5560	HKC5560	OMEGAMON for CICS
	HKGW560	OMEGAMON for CICS TG
5655W37	HKDB550	OMEGAMON for Db2 Performance Expert on z/OS
OMEGI5550	HKI5550	OMEGAMON for IMS on z/OS
ITCAM710	HAAD710	ITCAM for Application Diagnostics
	HAAD71C	ITCAM for Application Diagnostics, Common Services
	HKYN710	ITCAM for Application Diagnostics, Tivoli Enterprise Monitoring Agent
OMEGQI750	HKQI750	OMEGAMON for IBM Integration Bus Monitoring
	HKMQ750	OMEGAMON for IBM MQ Monitoring
JVMON550	HKJJ55U	OMEGAMON for JVM MSU
	HKJJ550	OMEGAMON for JVM Base
ZOSDLA	HIZD310	Tivoli Discovery Library Adapter for z/OS
IZSMS230	HFZS230	IBM Z Service Management Suite ID

To view the Preventive Service Planning (PSP) of the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

3.3 Statement of Support Procedures

Report any problems which you feel might be an error in the product materials to your IBM Support Center. You may be asked to gather and submit additional diagnostics to assist the IBM Support Center in their analysis.

Figure 4 identifies the component IDs (COMPID) for Service Management Suite.

Figure 4. Component IDs

FMID	COMPID	Component Name	RETAIN Release
HRKZ560	5698B6601	OMEGAMON Monitor for z/OS	560
HKOB750	5608A41OB	OMNIMON Base	750
HKSB750	5608A41SP	Shared Probes	750
HRKN560	5698B6602	OMEGAMON Network Monitor	560
HKS3550	5608A1000	OMEGAMON for Storage on z/OS	550
HRKD560	5698B6604	OMEGAMON Integration Monitor DE	560
HKOA110	5698B6605	OMEGAMON Data Provider	110
HKC5560	5698A5800	OMEGAMON for CICS	560
HKGW560	5698A9300	OMEGAMON for CICS TG	560
HKDB550	5655OPE00	OMEGAMON for Db2 Performance Expert on z/OS	550
HKI5550	5698A3900	OMEGAMON for IMS on z/OS	550
HAAD710	5698A7100	ITCAM for Application Diagnostics	710
HAAD71C	5698A710C	ITCAM for Application Diagnostics, Common Services	71C
HKYN710	5698A7101	ITCAM for Application Diagnostics, Tivoli Enterprise Monitoring Agent	710
HKQI750	5698A87MB	OMEGAMON for IBM Integration Bus Monitoring	750
HKMQ750	5608A1100	OMEGAMON for IBM MQ Monitoring	750
HKJJ55U	5698ABA00	OMEGAMON for JVM MSU	550
HKJJ550	5698ABA00	OMEGAMON for JVM Base	550
HIZD310	5698A4700	z/OS DLA	310
HFZS230	569801400	IBM Z Service Management Suite ID	230

To identify the component IDs (COMPID) for the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

4.0 Program and Service Level Information

This section identifies the program and relevant service levels of Service Management Suite. The program level refers to the APAR fixes that have been incorporated into the program. The service level refers to the PTFs that have been incorporated into the program.

4.1 Program Level Information

The following APAR fixes against the previous release of components included with Service Management Suite have been incorporated into this release. They are listed by FMID.

- FMID HKOB750

  OA45606 OA45816 OA45821 OA45846 OA46014 OA46177 OA46354 OA46704
  OA46857 OA46860 OA46861 OA46867 OA46911 OA47142 OA47263 OA47617
  OA48029 OA48198 OA48295 OA48532 OA48662 OA48739 OA48917 OA49057
  OA49106 OA49278 OA49686 OA49902 OA49927 OA49966 OA50243 OA50263
  OA50563 OA50894 OA51033 OA51043 OA51357 OA51417 OA51556 OA51564
  OA51646 OA51815 OA51908 OA52016 OA52082 OA52314 OA52323 OA52442

- FMID HKSB750

  OA51458 OA51463 OA51955 OA52489 OA52553 OA53084 OA53329 OA53347
  OA53431 OA53714 OA54479 OA54551 OA55263

- FMID HKS3550

  OA51412 OA51561 OA51648 OA51693 OA51694 OA51920 OA51939 OA52048
  OA52204 OA52374 OA52749 OA52945 OA53327 OA53348 OA53440 OA53447
  OA53493 OA53496 OA53702 OA53888 OA53984 OA53985 OA54049 OA54069
  OA54163 OA54226 OA54304 OA54389 OA54547 OA54653 OA54737 OA54759

- FMID HKC5560

  OA53477 OA53498 OA53515 OA53541 OA53570 OA53612 OA53750 OA54144
  OA54420 OA54459 OA54522 OA54565 OA54697 OA54881 OA54940 OA54980
  OA55122 OA55158 OA55175 OA55321 OA55336 OA55341 OA55377 OA55436
  OA55527 OA55573 OA55736 OA55761 OA55804 OA55870 OA55873 OA55874
  OA55923 OA56060 OA56066 OA56096 OA56311 OA56330 OA56468 OA56638
  OA56898 OA56940 OA57004 OA57073 OA57108 OA57181 OA57340 OA57407
  OA57409 OA57487 OA57630 OA57679 OA57683 OA57802 OA57803 OA57859
  OA57926 OA58058 OA58510 OA58639 OA58711 OA58824 OA58873 OA58945
  OA58988 OA59124 OA59200 OA59305 OA59396 OA59431 OA59454 OA59543
  OA59612 OA59759 OA59791 OA59840 OA60096 OA60097 OA60149 OA60297
  OA60378 OA60433 OA60466 OA60495 OA60542 OA60735 OA60756 OA60788
  OA60926 OA61073 OA61087 OA61103 OA61162 OA61236 OA61237 OA61412
  OA61428 OA61430 OA61569 OA61675 OA61691 OA61712 OA61767 OA61795
  OA62113 OA62243 OA62316 OA62391 OA62398 OA62501 OA62675 OA62759
  OA62782 OA62814 OA62932 OA63036 OA63076 OA63299 OA63311

- FMID HKGW560

  OA54260 OA55080 OA55575 OA55863 OA55901 OA55966 OA58441 OA59675
  OA60408 OA61239

- FMID HKDB550

  PH00803 PH00871 PH01386 PH01666 PH01868 PH01934 PH02430 PH02436
  PH02595 PH02763 PH03417 PH03588 PH03718 PH04126 PH04190 PH04689
  PH05220 PH05274 PH06092 PH06177 PH06621 PH07061 PH07890 PH07891
  PH08213 PH08339 PH08490 PH08748 PH08768 PH09361 PH09699 PH10255
  PH10285 PH10886 PH11059 PH11239 PH11516 PH11699 PH12122 PH12223
  PH12498 PH12500 PH12509 PH13023 PH13026 PH13409 PH14260 PH14386
  PH14443 PH14815 PH14816 PH15433 PH16124 PH16135 PH16191 PH16426
  PH16514 PH16515 PH16602 PH17426 PH17487 PH17833 PH18512 PH18885
  PH19206 PH19208 PH19932 PH20553 PH21595 PH21630 PH22179 PH22582
  PH22760 PH22794 PH22811 PH22867 PH22945 PH23077 PH23524 PH23728
  PH24061 PH24125 PH24496 PH24498 PH24499 PH24967 PH24996 PH25044
  PH25620 PH25623 PH26293 PH26866 PH26923 PH27013 PH27372 PH27402
  PH27959 PH28054 PH28083 PH28363 PH28516 PH28529 PH28569 PH28734
  PH28821 PH28823 PH28824 PH28891 PH29299 PH29650 PH29675 PH29858
  PH30803 PH31787 PH32044 PH32294 PH32878 PH33376 PH33621 PH33881
  PH33932 PH33985 PH34207 PH34407 PH35317 PH35334 PH35408 PH35707
  PH35917 PH36052 PH36177 PH36586 PH36692 PH36980 PH37137 PH37183
  PH37310 PH37634 PH37751 PH37764 PH37847 PH37963 PH37965 PH37974
  PH38000 PH38004 PH38332 PH38405 PH39092 PH39326 PH39580 PH39609
  PH40014 PH40014 PH40036 PH40091 PH40091 PH40123 PH40970 PH40970
  PH41333 PH41353 PH41814 PH42009 PH42012 PH42804 PH42951 PH42996
  PH43371 PH43603 PH44092 PI06420 PI42115 PI42125 PI42128 PI42595
  PI57505 PI63191 PI66982 PI67765 PI69924 PI69926 PI71869 PI71947
  PI72210 PI72295 PI72345 PI72647 PI73001 PI73429 PI73958 PI73992
  PI74374 PI74659 PI74795 PI74817 PI74975 PI75122 PI75436 PI75919
  PI76009 PI76362 PI76685 PI76689 PI76735 PI76741 PI76748 PI76762
  PI76763 PI76765 PI77811 PI78003 PI78063 PI78865 PI78947 PI78965
  PI79523 PI79526 PI79867 PI80107 PI80201 PI80296 PI80819 PI81074
  PI81098 PI81147 PI81148 PI81149 PI81406 PI81443 PI81844 PI81903
  PI82313 PI82669 PI82902 PI84163 PI84612 PI84919 PI85300 PI85464
  PI86010 PI86020 PI86238 PI86262 PI87191 PI87208 PI87385 PI88307
  PI88630 PI88856 PI88858 PI89338 PI89711 PI89856 PI89860 PI89904
  PI90541 PI90585 PI90853 PI90919 PI91046 PI91050 PI91321 PI91432
  PI92016 PI92019 PI92156 PI92548 PI92587 PI92651 PI92754 PI93288
  PI93498 PI93725 PI93872 PI94231 PI94232 PI94453 PI94822 PI94829
  PI94904 PI95172 PI95314 PI95385 PI95388 PI95503 PI95504 PI95702
  PI95808 PI95888 PI97225 PI97359 PI97398 PI97457 PI97891 PI98095
  PI98240 PI98389 PI98435 PI98449 PI98474 PI98625 PI98627 PI98788
  PI99189 PI99569 PI99774

- FMID HKI5550

  OA48582 OA48696 OA48722 OA48728 OA48805 OA49177 OA49216 OA49270
  OA49423 OA49451 OA49466 OA49490 OA49606 OA49643 OA49762 OA49848
  OA49869 OA49947 OA50003 OA50043 OA50163 OA50234 OA50255 OA50274
  OA50429 OA50498 OA50499 OA50531 OA50553 OA50584 OA50596 OA51089
  OA51161 OA51192 OA51212 OA51399 OA51411 OA51426 OA51478 OA51567
  OA51578 OA51589 OA51732 OA51792 OA51833 OA51940 OA52052 OA52081
  OA52191 OA52366 OA52440 OA52451

- FMID HKYN710

  PK79492

- FMID HKQI750

  OA46419 OA46840 OA48751 OA49398 OA50555 OA51396 OA51407

- FMID HKMQ750

  OA46216 OA46409 OA46415 OA46421 OA46428 OA46430 OA46431 OA46448
  OA46637 OA46798 OA46839 OA47306 OA47323 OA47417 OA47819 OA48032
  OA48150 OA48485 OA49049 OA49230 OA49312 OA49397 OA49404 OA49632
  OA49715 OA50276 OA50601 OA50607 OA50644 OA50834 OA51078 OA51271
  OA51345 OA51831 OA51876 OA52597 OA52620 OA52839 OA52964 OA53178
  OA52573 OA53736

To view the list of APAR fixes against the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

4.2 Service Level Information

No PTFs against this release of Service Management Suite have been incorporated into the product package.

To view the Service Level Information of the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

Frequently check the Service Management Suite PSP Bucket for HIPER and SPECIAL attention PTFs against all FMIDs that you must install. You can also receive the latest HOLDDATA, then add the **FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)** operand on your **APPLY CHECK** command. This will allow you to review the recommended and critical service that should be installed with your FMIDs.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating Service Management Suite. The following terminology is used:

- *Driving system*: the system on which SMP/E is executed to install the program.

  The program might have specific operating system or product level requirements for using processes, such as binder or assembly utilities during the installation.

- *Target system*: the system on which the program is configured and run.

  The program might have specific product level requirements, such as needing access to the library of another product for link-edits. These requirements, either mandatory or optional, might directly affect the element during the installation or in its basic or enhanced operation.

In many cases, you can use a system as both a driving system and a target system. However, you can make a separate IPL-able clone of the running system to use as a target system. The clone must include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Use separate driving and target systems in the following situations:

- When you install a new level of a product that is already installed, the new level of the product will replace the old one. By installing the new level onto a separate target system, you can test the new level and keep the old one in production at the same time.
- When you install a product that shares libraries or load modules with other products, the installation can disrupt the other products. By installing the product onto a separate target system, you can assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install Service Management Suite.

5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

5.1.2 Programming Requirements

Figure 5. Driving System Software Requirements

Program Number	Product Name	Minimum VRM	Minimum Service Level will satisfy these APARs	Included in the shipped product?
5650-ZOS	z/OS	2.3 or higher	N/A	No

Note: SMP/E is a requirement for Installation and is an element of z/OS.

Note: Installation might require migration to new z/OS releases to be service supported. See **https://www.ibm.com/support/lifecycle/**.

The OMEGAMON for CICS TG, OMEGAMON Data Provider, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components are installed into a file system, either HFS or zFS.

Before installing these components, you must ensure that the target system file system data sets are available for processing on the driving system. OMVS must be active on the driving system and the target system file data sets must be mounted on the driving system.

If you plan to install these components in a zFS file system, this requires that zFS be active on the driving system. Information on activating and using zFS can be found in z/OS Distributed File Service zSeries File System Administration, SC24-5989.

5.2 Target System Requirements

This section describes the environment of the target system required to install and use Service Management Suite.

Service Management Suite installs in the z/OS (Z038) SREL.

5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.2.2 Programming Requirements

5.2.2.1 Installation Requisites

Installation requisites identify products that are required and *must* be present on the system or products that are not required but *should* be present on the system for the successful installation of this product.

Mandatory installation requisites identify products that are required on the system for the successful installation of this product. These products are specified as PREs or REQs.

Figure 6. Target System Mandatory Installation Requisites

Program Number	Product Name	Minimum VRM	Minimum Service Level will satisfy these APARs	Included in the shipped product?
5650-ZOS	z/OS	2.3 or higher	N/A	No
5698-A79	IBM Tivoli Management Services on z/OS	6.3.0	N/A	No

Note: Installation might require migration to new releases to obtain support. See **https://www.ibm.com/support/lifecycle/**

Conditional installation requisites identify products that are *not* required for successful installation of this product but can resolve such things as certain warning messages at installation time. These products are specified as IF REQs.

To view the Installation Requisites of the Netview, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

Figure 7. Target System Conditional Installation Requisites

Program Number	Product Name	Minimum VRM	Minimum Svc Lvl to satisfy these APARs	Function for which this is a Req't	Included in the shipped product?
5655-MQ9	IBM MQ for z/OS	9.1 or higher	N/A	CALLLIB	No

Note: Installation might require migration to new releases to obtain support. See https://www.ibm.com/support/lifecycle/

5.2.2.2 Operational Requisites

Operational requisites are products that are required and *must* be present on the system or products that are not required but *should* be present on the system for this product to operate all or part of its functions.

Mandatory operational requisites identify products that are required for this product to operate its basic functions.

Figure 8. Target System Mandatory Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level
5650-ZOS	z/OS 2.3 or higher
5698-A79	IBM Tivoli Management Services on z/OS 6.3.0 Fix Pack 7 or higher
Any **one** of the following:	
5650-DB2	IBM Db2 for z/OS 12.1.0
5698-DB2	IBM Db2 13 for z/OS 13.1.0
5770-AF3	IBM Db2 Value Unit Edition 12.1.0
5698-DBV	IBM Db2 13 for z/OS Value Unit Edition 13.1.0
5655-Y04	CICS Transaction Server for z/OS 5.4.0 or higher
5635-A06	IBM IMS 15.1.0 or higher
5655-W43	IBM 31-bit SDK for z/OS, Java 2 Technology Edition, 7.1
5655-W44	IBM 64-bit SDK for z/OS, Java 2 Technology Edition, 7.1
5655-DGG	IBM 31-bit SDK for z/OS, Java 2 Technology Edition, 8.0
5655-DGH	IBM 64-bit SDK for z/OS, Java 2 Technology Edition, 8.0

Note: Code related to Db2 11 has not been removed from OMEGAMON for Db2 5.5.0 and may continue to work in some scenarios however new APARs related to Db2 11 environments will not be accepted.

Installation might require migration to new releases to obtain support. See **https://www.ibm.com/support/lifecycle/**

Conditional operational requisites identify products that are *not* required for this product to operate its basic functions but are required at run time for this product to operate specific functions. These products are specified as IF REQs.

Figure 9. Target System Conditional Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level
One or more of the following:	
5655-Y20	IBM CICS Transaction Gateway for z/OS 9.2.0 or higher
5650-DB2	IBM Db2 for z/OS 12.1.0 or higher
5698-DB2	IBM Db2 for z/OS 13.1.0
5635-A06	IBM IMS 15.1.0 or higher
5655-MQ9	IBM MQ for z/OS 9.1 or higher
5655-W65	WebSphere Application Server for z/OS 8.5 or higher
5655-Y04	CICS Transaction Server for z/OS 5.4.0 or higher
5698-CEX	IMS Connect Extensions for z/OS 3.1.0
5655-AB1	IBM Integration Bus for z/OS 10.0
5655-NJS	IBM SDK for Node.js - z/OS 12.0
5698-ZWE	IBM Z Distribution for Zowe 1.0

Note: Please refer to the Planning and Configuration Guide for additional details on installation and configuration of Node.js.

Zowe is required if you want to use the IBM Service Management Unite and or OMEGAMON for Storage integration with Zowe. Integrated with Zowe, IBM Service Management Unite offers extended functions to allow you to interact with z/OS resources, such as managing JES and MVS details in the IBM Service Management Unite dashboards.

Note: Refer to the customer access portal **http://www.ibm.com/support/docview.wss?uid=swg21962625** for news on IBM Z ChatOps and IBM Service Management Unite. The customer access portal includes information on:

- what is new in the latest releases
- the products supported for integration
- the software pre-requisites
- how to download the latest releases of Z ChatOps and Service Management Unite

Installation might require migration to new releases to obtain support. See https://www.ibm.com/support/lifecycle/

To support the latest version of the OSA Express MIB, the Licensed Internal Code (LIC) levels of the OSA-Express adapters must meet the following criteria:

- If you are running the OSA module on an IBM eServer¸ zSeries 900 or 800 system, you must have a licensed internal code (LIC) version of 3.33 or higher installed.
- If you are running the OSA module on an IBM eServer Series 990 processor or higher, all LIC levels are supported.

To view the Operational Requisites of the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

5.2.2.3 Toleration/Coexistence Requisites

Toleration/coexistence requisites identify products that must be present on sharing systems. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD environment at different time intervals.

Service Management Suite has no toleration/coexistence requisites.

5.2.2.4 Incompatibility (Negative) Requisites

Negative requisites identify products that must *not* be installed on the same system as this product.

Service Management Suite has no negative requisites.

5.2.3 DASD Storage Requirements

Service Management Suite libraries can reside on all supported DASD types.

Figure 10 lists the total space that is required for each type of library.

Figure 10 (Page 1 of 2). Total DASD Space Required by Service Management Suite

Library Type	Total Space Required in 3390 Trks
Target	15709

Figure 10 (Page 2 of 2). Total DASD Space Required by Service Management Suite

Library Type	Total Space Required in 3390 Trks
Distribution	18744
File System(s)	3000

Notes:

1. If you are installing into an existing environment that has the data sets in Figure 13 on page 28 and Figure 15 on page 31 already allocated, ensure sufficient disk space and directory blocks are available to support the requirement listed. This might require you to reallocate some data sets to avoid x37 abends.
2. For non-RECFM U data sets, IBM recommends using system-determined block sizes for efficient DASD utilization. For RECFM U data sets, IBM recommends using a block size of 32760, which is most efficient from the performance and DASD utilization perspective.
3. Abbreviations used for data set types are shown as follows.

   U Unique data set, allocated by this product and used by only this product. This table provides all the required information to determine the correct storage for this data set. You do not need to refer to other tables or program directories for the data set size.

   S Shared data set, allocated by this product and used by this product and other products. To determine the correct storage needed for this data set, add the storage size given in this table to those given in other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

   E Existing shared data set, used by this product and other products. This data set is *not* allocated by this product. To determine the correct storage for this data set, add the storage size given in this table to those given in other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

   If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old release and reclaim the space that was used by the old release and any service that had been installed. You can determine whether these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

   For more information about the names and sizes of the required data sets, see 6.1.6, “Allocate SMP/E Target and Distribution Libraries” on page 64.
4. Abbreviations used for the file system path type are as follows.

   N New path, created by this product.
   X Path created by this product, but might already exist from a previous release.
   P Previously existing path, created by another product.
5. All target and distribution libraries listed have the following attributes:

- The default name of the data set can not be changed.
- The default block size of the data set can be changed.
- The data set can not be merged with another data set that has equivalent characteristics.
- The data set can be either a PDS or a PDSE, with some exceptions. If the value in the "ORG" column specifies "PDS", the data set must be a PDS. If the value in "DIR Blks" column specifies "N/A", the data set must be a PDSE.

6. All target libraries listed have the following attributes:
   - These data sets can be SMS-managed, but they are not required to be SMS-managed.
   - These data sets are not required to reside on the IPL volume.
   - The values in the "Member Type" column are not necessarily the actual SMP/E element types that are identified in the SMPMCS.
7. All target libraries that are listed and contain load modules have the following attributes:
   - These data sets can not be in the LPA, with some exceptions. If the data set should be placed in the LPA, see the Special Considerations section below.
   - These data sets can be in the LNKLST except for TKANMODR and TKANMODS.
   - These data sets are not required to be APF-authorized, with some exceptions. If the data set must be APF-authorized, see the Special Considerations section below.

If you are installing into an existing environment, ensure the values used for the SMP/E work data sets reflect the minimum values shown in Figure 11. Check the corresponding DDDEF entries in all zones because use of values lower than these can result in failures in the installation process. Refer to the SMP/E manuals for instructions on updating DDDEF entries.

Figure 11. Storage Requirements for SMP/E Work Data Sets

Library DDNAME	TYPE	ORG	RECFM	LRECL	Prim No. of 3390 Trks	Sec No. of 3390 Trks	No. of DIR Blks
SMPWRK1	E	PDS	FB	80	150	150	220
SMPWRK2	E	PDS	FB	80	150	150	220
SMPWRK3	E	PDS	FB	80	300	600	1320
SMPWRK4	E	PDS	FB	80	150	150	220
SMPWRK6	E	PDS	FB	80	300	1500	660
SYSUT1	E	SEQ	--	--	75	75	0
SYSUT2	E	SEQ	--	--	75	75	0
SYSUT3	E	SEQ	--	--	75	75	0
SYSUT4	E	SEQ	--	--	75	75	0

If you are installing into an existing environment, ensure the current SMP/E support dataset allocations reflect the minimum values shown in Figure 12 on page 28. Check the space and directory block allocation and reallocate the data sets, if necessary.

Figure 12. Storage Requirements for SMP/E Data Sets

Library DDNAME	TYPE	ORG	RECFM	LRECL	Prim No. of 3390 Trks	Sec No. of 3390 Trks	No. of DIR Blks
SMPLTS	E	PDSE	U	0	15	150	N/A
SMPMTS	E	PDS	FB	80	15	150	220
SMPPTS	E	PDSE	FB	80	300	1500	N/A
SMPSCDS	E	PDS	FB	80	15	150	220
SMPSTS	E	PDS	FB	80	15	150	220

Figure 13 and Figure 15 on page 31 describe the target and distribution libraries and file system paths that will be allocated by this product's install jobs or that will be required for installation. The space requirements reflect what is specified in the allocation job or the space that this product will require in existing libraries. Additional tables are provided to show the specific space required for libraries that are used by each FMID. See 5.2.4, “DASD Storage Requirements by FMID” on page 34 for more information.

The storage requirements of Service Management Suite must be added to the storage required by other programs having data in the same library or path.

Figure 13 (Page 1 of 3). Storage Requirements for Service Management Suite Target Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNAUTH	LMOD	Any	U	PDSE	U	0	30	N/A
SCYNINST	Sample	Any	U	PDS	FB	80	30	132
SCYNINS1	Sample	Any	U	PDS	FB	80	30	132
SCYNPKGI	Data	Any	U	PDS	FB	80	30	132
SCYNPROC	Sample	Any	U	PDS	FB	80	30	132
SFZSLOAD	LMOD	Any	U	PDS	U	0	2	44
SFZSPKGI	Data	Any	U	PDS	FB	80	2	44
SIZDEXEC	CLIST	Any	U	PDS	FB	80	30	132

Figure 13 (Page 2 of 3). Storage Requirements for Service Management Suite Target Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SIZDINST	JCL	Any	U	PDS	FB	80	30	132
SIZDLOAD	Samples	Any	U	PDS	U	0	105	132
SIZDMAPS	CLIST	Any	U	PDS	VB	1024	30	132
SIZDMESG	CLIST	Any	U	PDS	FB	80	30	132
SIZDSAMP	Samples	Any	U	PDS	FB	80	45	132
TKANCLI	CLIST	Any	S	PDS	FB	80	30	132
TKANCMD	Parm	Any	E	PDS	FB	80	45	132
TKANCUS	CLIST	Any	E	PDS	FB	80	1350	1056
TKANDATR	Data	Any	S	PDS	FB	160	75	132
TKANDATV	Data	Any	E	PDS	VB	6160	2625	176
TKANEXEC	EXEC	Any	S	PDS	VB	255	135	264
TKANHENU	Help	Any	E	PDS	FB	80	585	396
TKANISP	CLIST	Any	S	PDS	FB	80	30	132
TKANMAC	Macro	Any	E	PDS	FB	80	45	132
TKANMOD	LMOD	Any	E	PDS	U	0	2070	748
TKANMODL	LMOD	Any	E	PDS	U	0	4080	210
TKANMODP	LMOD	Any	S	PDSE	U	0	750	N/A
TKANMODR	LMOD	Any	S	PDS	U	0	30	132
TKANMODS	LMOD	Any	E	PDS	U	0	210	220
TKANOSRC	Data	Any	S	PDS	VB	255	30	132
TKANPAR	Parm	Any	E	PDS	FB	80	105	176
TKANPENU	Panel	Any	E	PDS	FB	80	120	176
TKANPKGI	Data	Any	E	PDS	FB	80	285	132
TKANSAM	Sample	Any	E	PDS	FB	80	510	440
TKANSAMF	Sample	Any	S	PDS	FB	132	30	N/A
TKANSAS	SAS	Any	S	PDS	FB	80	150	176
TKANSQL	SQL	Any	E	PDS	FB	80	45	176
TKANUTIN	UTIN	Any	S	PDS	FB	80	30	132
TKANWENU	Panel	Any	S	PDS	FB	80	555	572

Figure 13 (Page 3 of 3). Storage Requirements for Service Management Suite Target Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKEPHELP	Help	Any	U	PDS	FB	80	30	132
TKOBDATF	Data	Any	S	PDS	FB	80	30	132
TKOBHELP	Help	Any	S	PDS	FB	80	45	176
TKOCHELP	Help	Any	U	PDS	FB	80	30	132
TKOCPROC	Panel	Any	U	PDS	FB	80	120	528
TKOIHELP	Help	Any	U	PDS	FB	80	60	308
TKOIPROC	Panel	Any	U	PDS	FB	80	150	572
TKOMHELP	Help	Any	U	PDS	FB	80	75	352
TKOMPROC	Panel	Any	U	PDS	FB	80	105	440
TKO2DATA	Data	Any	S	PDS	VB	9072	30	132
TKO2DBRM	Data	Any	S	PDS	FB	80	75	132
TKO2EXEC	EXEC	Any	S	PDS	FB	80	60	132
TKO2HELP	Help	Any	S	PDS	FB	80	45	220
TKO2MENU	Message	Any	S	PDS	FB	80	30	132
TKO2PENU	Panel	Any	S	PDS	FB	80	165	352
TKO2PROC	Panel	Any	S	PDS	FB	80	195	880
TKO2SAMP	Sample	Any	S	PDS	FB	80	195	176
TKO2SLIB	Sample	Any	S	PDS	FB	80	30	132
TKO2TENU	Table	Any	S	PDS	FB	80	30	132
TKO2WS01	Data	Any	S	PDS	VB	256	60	132

Figure 14 (Page 1 of 2). Service Management Suite File System Paths

DDNAME	TYPE	Path Name
SCYNZBIN	N	/usr/lpp/itcam/WebSphere/DC/bin/IBM/
SCYNZETC	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/IBM/
SCYNZWAS	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/IBM/
SCYNZESB	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/esb/ IBM/

Figure 14 (Page 2 of 2). Service Management Suite File System Paths

DDNAME	TYPE	Path Name
SCYNZPRS	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/prs/ IBM/
SCYNZW5	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was5/ IBM/
SCYNZW51	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was51/ IBM/
SCYNZW6	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was6/ IBM/
SCYNZW60	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was60/ IBM/
SCYNZW61	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was61/ IBM/
SCYNZEW7	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was7/ IBM/
SCYNZE70	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was70/ IBM/
SCYNZEW8	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was8/ IBM/
SCYNZWPS	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps/ IBM/
SCYNZILB	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/IBM/
SCYNZLBE	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/IBM/
SCYNZLAX	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/axis/ IBM/
SCYNZLW	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/ IBM/
SCYNZLW6	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/ was6/IBM/
SCYNZTCO	N	/usr/lpp/itcam/WebSphere/DC/toolkit/codeset/IBM/
SCYNZTET	N	/usr/lpp/itcam/WebSphere/DC/toolkit/etc/IBM/
SCYNZTLB	N	/usr/lpp/itcam/WebSphere/DC/toolkit/lib/IBM/
SCYNZTLE	N	/usr/lpp/itcam/WebSphere/DC/toolkit/lib/ext/IBM/
SCYNZTMC	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/C/IBM/
SCYNZTMD	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/de/IBM/
SCYNZTME	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/es/IBM/
SCYNZTMF	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/fr/IBM/
SCYNZTMI	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/it/IBM/
SCYNZTMJ	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/ja/IBM/
SCYNZTMK	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/ko/IBM/
SCYNZTMP	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/pt_BR/IBM/
SCYNZTMN	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/zh_CN/IBM/
TKANJAR	N	/usr/lpp/kan/bin/IBM
TKAYHFS	N	/usr/lpp/omdp/bin/IBM

Figure 15 (Page 1 of 3). Storage Requirements for Service Management Suite Distribution Libraries

Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
ACYNAUTH	U	PDSE	U	0	30	N/A
ACYNHFS	U	PDS	VB	8796	675	176
ACYNINST	U	PDS	FB	80	30	132
ACYNINS1	U	PDS	FB	80	30	132
ACYNPKGI	U	PDS	FB	80	30	132
ACYNPROC	U	PDS	FB	80	30	132
AFZSLOAD	U	PDS	U	0	2	44
AFZSPKGI	U	PDS	FB	80	2	44
AIZDEXEC	U	PDS	FB	80	30	132
AIZDINST	U	PDS	FB	80	30	132
AIZDLOAD	U	PDS	U	0	105	132
AIZDMAPS	U	PDS	VB	1024	30	132
AIZDMESG	U	PDS	FB	80	30	132
AIZDSAMP	U	PDS	FB	80	45	132
DKANCLI	S	PDS	FB	80	30	132
DKANCMD	E	PDS	FB	80	45	132
DKANCUS	E	PDS	FB	80	1350	1056
DKANDATR	S	PDS	FB	160	75	132
DKANDATV	E	PDS	VB	6160	2625	176
DKANEXEC	S	PDS	VB	255	135	264
DKANHENU	E	PDS	FB	80	585	396
DKANISP	S	PDS	FB	80	30	132
DKANJAR	S	PDS	VB	255	375	132
DKANMAC	E	PDS	FB	80	45	132
DKANMOD	E	PDS	U	0	1695	1012
DKANMODL	E	PDS	U	0	4275	572
DKANMODP	S	PDSE	U	0	480	N/A
DKANMODR	S	PDS	U	0	30	132
DKANMODS	E	PDS	U	0	165	176

Figure 15 (Page 2 of 3). Storage Requirements for Service Management Suite Distribution Libraries

Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANOSRC	S	PDS	VB	255	30	132
DKANPAR	E	PDS	FB	80	105	176
DKANPENU	E	PDS	FB	80	120	176
DKANPKGI	E	PDS	FB	80	285	132
DKANSAM	E	PDS	FB	80	510	440
DKANSAMF	S	PDS	FB	80	30	N/A
DKANSAS	S	PDS	FB	80	150	176
DKANSQL	E	PDS	FB	80	45	176
DKANUTIN	S	PDS	FB	80	30	132
DKANWENU	S	PDS	FB	80	555	572
DKAYHFS	U	PDSE	VB	32740	2295	N/A
DKEPHELP	U	PDS	FB	80	30	132
DKOBDATF	S	PDS	FB	80	30	132
DKOBHELP	S	PDS	FB	80	45	176
DKOCHELP	U	PDS	FB	80	30	132
DKOCPROC	U	PDS	FB	80	120	528
DKOIHELP	U	PDS	FB	80	60	308
DKOIPROC	U	PDS	FB	80	150	572
DKOMHELP	U	PDS	FB	80	75	352
DKOMPROC	U	PDS	FB	80	105	440
DKO2DATA	S	PDS	VB	9072	30	132
DKO2DBRM	S	PDS	FB	80	75	132
DKO2EXEC	S	PDS	FB	80	60	132
DKO2HELP	S	PDS	FB	80	45	220
DKO2MENU	S	PDS	FB	80	30	132
DKO2PENU	S	PDS	FB	80	165	352
DKO2PROC	S	PDS	FB	80	195	880
DKO2SAMP	S	PDS	FB	80	195	176
DKO2SLIB	S	PDS	FB	80	30	132

Figure 15 (Page 3 of 3). Storage Requirements for Service Management Suite Distribution Libraries

Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKO2TENU	S	PDS	FB	80	30	132
DKO2WS01	S	PDS	VB	256	60	132

5.2.4 DASD Storage Requirements by FMID

The tables in this section can help determine the specific space required for components not already installed in an existing environment. There is a table for each FMID included with the product.

Figure 16 (Page 1 of 2). Storage Requirements for HRKZ560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCLI	CLIST	Any	S	PDS	FB	80	1	2
TKANCMD	Parm	Any	E	PDS	FB	80	17	32
TKANCUS	CLIST	Any	E	PDS	FB	80	53	34
TKANDATV	Data	Any	E	PDS	VB	6160	183	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	3	8
TKANHENU	Help	Any	E	PDS	FB	80	36	20
TKANISP	CLIST	Any	S	PDS	FB	80	1	3
TKANMAC	Macro	Any	E	PDS	FB	80	4	2
TKANMOD	LMOD	Any	E	PDS	U	0	97	16
TKANMODL	LMOD	Any	E	PDS	U	0	402	38
TKANMODP	LMOD	Any	E	PDS	U	0	26	N/A
TKANPAR	Parm	Any	E	PDS	FB	80	8	8
TKANPKGI	Data	Any	E	PDS	FB	80	28	2
TKANSAM	Sample	Any	E	PDS	FB	80	13	9
TKANWENU	Panel	Any	S	PDS	FB	80	56	38
TKEPHELP	Help	Any	U	PDS	FB	80	9	15
TKOMHELP	Help	Any	U	PDS	FB	80	56	259
TKOMPROC	Panel	Any	U	PDS	FB	80	79	349

Figure 16 (Page 2 of 2). Storage Requirements for HRKZ560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANCLI			S	PDS	FB	80	1	2
DKANCMD			E	PDS	FB	80	17	32
DKANCUS			E	PDS	FB	80	253	34
DKANDATV			E	PDS	VB	6160	183	4
DKANEXEC			S	PDS	VB	255	3	8
DKANHENU			E	PDS	FB	80	36	20
DKANISP			S	PDS	FB	80	1	3
DKANMAC			E	PDS	FB	80	4	2
DKANMOD			E	PDS	U	0	1	2
DKANMODL			E	PDS	U	0	502	51
DKANMODP			E	PDS	U	0	5	N/A
DKANPAR			E	PDS	FB	80	8	8
DKANPKGI			E	PDS	FB	80	28	2
DKANSAM			E	PDS	FB	80	13	9
DKANWENU			S	PDS	FB	80	56	38
DKEPHELP			U	PDS	FB	80	9	15
DKOMHELP			U	PDS	FB	80	56	259
DKOMPROC			U	PDS	FB	80	79	349

Figure 17 (Page 1 of 2). Storage Requirements for HKOB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	13	15
TKANDATV	Data	Any	E	PDS	VB	6160	1	2
TKANEXEC	EXEC	Any	S	PDS	VB	255	21	15
TKANHENU	Help	Any	E	PDS	FB	80	12	13
TKANISP	CLIST	Any	S	PDS	FB	80	1	2
TKANMAC	Macro	Any	E	PDS	FB	80	8	3

Figure 17 (Page 2 of 2). Storage Requirements for HKOB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANMOD	LMOD	Any	E	PDS	U	0	121	19
TKANMODL	LMOD	Any	E	PDS	U	0	12	2
TKANMODP	LMOD	Any	S	PDSE	U	0	330	N/A
TKANMODS	LMOD	Any	E	PDS	U	0	74	56
TKANOSRC	Data	Any	S	PDS	VB	255	5	5
TKANPAR	Parm	Any	E	PDS	FB	80	1	2
TKANPKGI	Data	Any	E	PDS	FB	80	15	2
TKANSAM	Sample	Any	E	PDS	FB	80	3	3
TKANWENU	Panel	Any	S	PDS	FB	80	74	67
TKOBDATF	Data	Any	S	PDS	FB	80	2	2
TKOBHELP	Help	Any	S	PDS	FB	80	17	66
DKANCUS			E	PDS	FB	80	13	15
DKANDATV			E	PDS	VB	6160	1	2
DKANEXEC			S	PDS	VB	255	21	15
DKANHENU			E	PDS	FB	80	12	13
DKANISP			S	PDS	FB	80	1	2
DKANMAC			E	PDS	FB	80	8	3
DKANMOD			E	PDS	U	0	125	90
DKANMODL			E	PDS	U	0	12	2
DKANMODP			S	PDSE	U	0	81	N/A
DKANMODS			E	PDS	U	0	61	3
DKANOSRC			S	PDS	VB	255	5	5
DKANPAR			E	PDS	FB	80	1	2
DKANPKGI			E	PDS	FB	80	15	2
DKANSAM			E	PDS	FB	80	3	3
DKANWENU			S	PDS	FB	80	74	67
DKOBDATF			S	PDS	FB	80	2	2
DKOBHELP			S	PDS	FB	80	17	66

Figure 18. Storage Requirements for HKSB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANDATV	Data	Any	E	PDS	VB	6160	6	2
TKANMOD	LMOD	Any	E	PDS	U	0	122	5
TKANMODL	LMOD	Any	E	PDS	U	0	33	11
TKANPKGI	Data	Any	E	PDS	FB	80	3	2
DKANDATV			E	PDS	VB	6160	6	2
DKANMOD			E	PDS	U	0	22	11
DKANMODL			E	PDS	U	0	33	10
DKANPKGI			E	PDS	FB	80	3	2

Figure 19 (Page 1 of 2). Storage Requirements for HRKN560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	58	38
TKANDATV	Data	Any	E	PDS	VB	6160	182	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	6	10
TKANHENU	Help	Any	E	PDS	FB	80	46	13
TKANMOD	LMOD	Any	E	PDS	U	0	65	13
TKANMODL	LMOD	Any	E	PDS	U	0	130	49
TKANMODS	LMOD	Any	E	PDS	U	0	52	18
TKANPAR	Parm	Any	E	PDS	FB	80	6	2
TKANPENU	Panel	Any	E	PDS	FB	80	3	3
TKANPKGI	Data	Any	E	PDS	FB	80	16	2
TKANSAM	Sample	Any	E	PDS	FB	80	1	2
TKANSAS	SAS	Any	S	PDS	FB	80	126	64
TKANWENU	Panel	Any	S	PDS	FB	80	42	23
DKANCUS			E	PDS	FB	80	58	38
DKANDATV			E	PDS	VB	6160	182	3
DKANEXEC			S	PDS	VB	255	6	10

Figure 19 (Page 2 of 2). Storage Requirements for HRKN560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANHENU			E	PDS	FB	80	46	13
DKANMOD			E	PDS	U	0	78	90
DKANMODL			E	PDS	U	0	159	57
DKANMODS			E	PDS	U	0	20	16
DKANPAR			E	PDS	FB	80	6	2
DKANPENU			E	PDS	FB	80	3	3
DKANPKGI			E	PDS	FB	80	16	2
DKANSAM			E	PDS	FB	80	1	2
DKANSAS			S	PDS	FB	80	126	64
DKANWENU			S	PDS	FB	80	42	23

Figure 20 (Page 1 of 2). Storage Requirements for HKS3550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	49	37
TKANDATR	Data	Any	S	PDS	FB	160	54	43
TKANDATV	Data	Any	E	PDS	VB	6160	710	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	20	22
TKANHENU	Help	Any	E	PDS	FB	80	124	80
TKANMOD	LMOD	Any	E	PDS	U	0	190	15
TKANMODL	LMOD	Any	E	PDS	U	0	445	44
TKANMODS	LMOD	Any	E	PDS	U	0	1	2
TKANOSRC	Data	Any	S	PDS	VB	255	1	3
TKANPAR	Parm	Any	E	PDS	FB	80	7	3
TKANPENU	Panel	Any	E	PDS	FB	80	6	5
TKANPKGI	Data	Any	E	PDS	FB	80	20	2
TKANSAM	Sample	Any	E	PDS	FB	80	13	13
TKANSQL	SQL	Any	E	PDS	FB	80	25	57

Figure 20 (Page 2 of 2). Storage Requirements for HKS3550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANWENU	Panel	Any	S	PDS	FB	80	56	52
DKANCUS			E	PDS	FB	80	49	37
DKANDATR			S	PDS	FB	160	54	43
DKANDATV			E	PDS	VB	6160	710	4
DKANEXEC			S	PDS	VB	255	20	22
DKANHENU			E	PDS	FB	80	124	80
DKANMOD			E	PDS	U	0	80	30
DKANMODL			E	PDS	U	0	452	47
DKANMODS			E	PDS	U	0	1	2
DKANOSRC			S	PDS	VB	255	1	3
DKANPAR			E	PDS	FB	80	7	3
DKANPENU			E	PDS	FB	80	6	5
DKANPKGI			E	PDS	FB	80	20	2
DKANSAM			E	PDS	FB	80	13	13
DKANSQL			E	PDS	FB	80	25	57
DKANWENU			S	PDS	FB	80	56	52

Figure 21. Storage Requirements for HRKD560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	1	2
TKANMOD	LMOD	Any	E	PDS	U	0	1	2
TKANPKGI	Data	Any	E	PDS	FB	80	1	2
DKANCUS			E	PDS	FB	80	1	2
DKANMOD			E	PDS	U	0	1	2
DKANPKGI			E	PDS	FB	80	1	2

Figure 22. Storage Requirements for HKOA110 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANSAM	Sample	Any	E	PDS	FB	80	3	2
TKANMODP	LMOD	Any	E	PDSE	U	0	350	N/A
DKANMODP			E	PDSE	U	0	350	N/A
DKANSAM			E	PDS	FB	80	3	2
DKAYHFS			U	PDSE	VB	32740	2260	N/A

Figure 23 (Page 1 of 2). Storage Requirements for HKC5560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	47	33
TKANDATV	Data	Any	E	PDS	VB	6160	255	34
TKANEXEC	EXEC	Any	S	PDS	VB	255	21	36
TKANHENU	Help	Any	E	PDS	FB	80	51	32
TKANMAC	Macro	Any	E	PDS	FB	80	8	6
TKANMOD	LMOD	Any	E	PDS	U	0	194	32
TKANMODL	LMOD	Any	E	PDS	U	0	128	4
TKANMODR	LMOD	Any	S	PDS	U	0	1	2
TKANMODS	LMOD	Any	E	PDS	U	0	51	38
TKANOSRC	Data	Any	S	PDS	VB	255	1	2
TKANPAR	Parm	Any	E	PDS	FB	80	12	3
TKANPKGI	Data	Any	E	PDS	FB	80	36	3
TKANSAM	Sample	Any	E	PDS	FB	80	59	35
TKANWENU	Panel	Any	S	PDS	FB	80	91	78
TKOCHELP	Help	Any	U	PDS	FB	80	6	22
TKOCPROC	Panel	Any	U	PDS	FB	80	102	438
DKANCUS			E	PDS	FB	80	47	33
DKANDATV			E	PDS	VB	6160	255	4
DKANEXEC			S	PDS	VB	255	21	36

Figure 23 (Page 2 of 2). Storage Requirements for HKC5560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANHENU			E	PDS	FB	80	51	32
DKANMAC			E	PDS	FB	80	8	6
DKANMOD			E	PDS	U	0	144	107
DKANMODL			E	PDS	U	0	142	28
DKANMODR			S	PDS	U	0	1	2
DKANMODS			E	PDS	U	0	58	47
DKANOSRC			S	PDS	VB	255	1	2
DKANPAR			E	PDS	FB	80	12	3
DKANPKGI			E	PDS	FB	80	36	3
DKANSAM			E	PDS	FB	80	59	35
DKANWENU			S	PDS	FB	80	91	78
DKOCHELP			U	PDS	FB	80	6	22
DKOCPROC			U	PDS	FB	80	102	438

Figure 24 (Page 1 of 2). Storage Requirements for HKGW560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	15	10
TKANDATV	Data	Any	E	PDS	VB	6160	19	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	1	3
TKANHENU	Help	Any	E	PDS	FB	80	5	4
TKANMOD	LMOD	Any	E	PDS	U	0	6	4
TKANMODL	LMOD	Any	E	PDS	U	0	20	2
TKANMODP	LMOD	Any	S	PDSE	U	0	6	N/A
TKANMODS	LMOD	Any	E	PDS	U	0	1	2
TKANPAR	Parm	Any	E	PDS	FB	80	2	2
TKANPKGI	Data	Any	E	PDS	FB	80	3	3
TKANUTIN	UTIN	Any	S	PDS	FB	80	1	2

Figure 24 (Page 2 of 2). Storage Requirements for HKGW560 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANWENU	Panel	Any	S	PDS	FB	80	4	5
DKANCUS			E	PDS	FB	80	15	10
DKANDATV			E	PDS	VB	6160	19	3
DKANEXEC			S	PDS	VB	255	1	2
DKANHENU			E	PDS	FB	80	5	4
DKANJAR			S	PDS	VB	255	1	2
DKANMOD			E	PDS	U	0	8	7
DKANMODL			E	PDS	U	0	21	4
DKANMODP			S	PDSE	U	0	4	N/A
DKANMODS			E	PDS	U	0	1	2
DKANPAR			E	PDS	FB	80	2	2
DKANPKGI			E	PDS	FB	80	3	3
DKANUTIN			S	PDS	FB	80	1	2
DKANWENU			S	PDS	FB	80	4	5

Figure 25 (Page 1 of 3). Storage Requirements for HKDB550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCLI	CLIST	Any	S	PDS	FB	80	2	1
TKANCUS	CLIST	Any	E	PDS	FB	80	64	7
TKANDATV	Data	Any	E	PDS	VB	6160	262	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	15	15
TKANHENU	Help	Any	E	PDS	FB	80	132	25
TKANMOD	LMOD	Any	E	PDS	U	0	828	489
TKANMODL	LMOD	Any	E	PDS	U	0	195	17
TKANOSRC	Data	Any	S	PDS	VB	255	6	44
TKANPAR	Parm	Any	E	PDS	FB	80	19	2
TKANPKGI	Data	Any	E	PDS	FB	80	39	2

Figure 25 (Page 2 of 3). Storage Requirements for HKDB550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANSAM	Sample	Any	E	PDS	FB	80	7	3
TKANSAMF	Sample	Any	S	PDS	FB	132	14	N/A
TKANWENU	Panel	Any	S	PDS	FB	80	120	81
TKO2DATA	Data	Any	S	PDS	VB	9072	5	1
TKO2DBRM	Data	Any	S	PDS	FB	80	52	23
TKO2EXEC	EXEC	Any	S	PDS	FB	80	33	8
TKO2HELP	Help	Any	S	PDS	FB	80	16	108
TKO2MENU	Message	Any	S	PDS	FB	80	7	19
TKO2PENU	Panel	Any	S	PDS	FB	80	144	257
TKO2PROC	Panel	Any	S	PDS	FB	80	172	782
TKO2SAMP	Sample	Any	S	PDS	FB	80	172	53
TKO2SLIB	Sample	Any	S	PDS	FB	80	4	3
TKO2TENU	Table	Any	S	PDS	FB	80	9	3
TKO2WS01	Data	Any	S	PDS	VB	256	37	1
DKANCLI			S	PDS	FB	80	2	1
DKANCUS			E	PDS	FB	80	64	7
DKANDATV			E	PDS	VB	6160	262	3
DKANEXEC			S	PDS	VB	255	15	15
DKANHENU			E	PDS	FB	80	132	25
DKANMOD			E	PDS	U	0	828	489
DKANMODL			E	PDS	U	0	195	17
DKANOSRC			S	PDS	VB	255	6	44
DKANPAR			E	PDS	FB	80	19	2
DKANPKGI			E	PDS	FB	80	39	2
DKANSAM			E	PDS	FB	80	7	3
DKANSAMF			S	PDS	FB	132	14	N/A
DKANWENU			S	PDS	FB	80	120	81
DKO2DATA			S	PDS	VB	9072	5	1
DKO2DBRM			S	PDS	FB	80	52	23

Figure 25 (Page 3 of 3). Storage Requirements for HKDB550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKO2EXEC			S	PDS	FB	80	33	8
DKO2HELP			S	PDS	FB	80	16	108
DKO2MENU			S	PDS	FB	80	7	19
DKO2PENU			S	PDS	FB	80	144	257
DKO2PROC			S	PDS	FB	80	172	782
DKO2SAMP			S	PDS	FB	80	172	53
DKO2SLIB			S	PDS	FB	80	4	3
DKO2TENU			S	PDS	FB	80	9	3
DKO2WS01			S	PDS	VB	256	37	1

Figure 26 (Page 1 of 2). Storage Requirements for HKI5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	18	2
TKANDATV	Data	Any	E	PDS	VB	6160	153	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	20	10
TKANHENU	Help	Any	E	PDS	FB	80	35	20
TKANMOD	LMOD	Any	E	PDS	U	0	170	34
TKANMODL	LMOD	Any	E	PDS	U	0	172	30
TKANMODR	LMOD	Any	E	PDS	U	0	7	7
TKANPAR	Data	Any	E	PDS	FB	80	13	5
TKANPKGI	Data	Any	E	PDS	FB	80	34	2
TKANSAM	Sample	Any	E	PDS	FB	80	33	12
TKANWENU	Panel	Any	S	PDS	FB	80	20	30
TKOIHELP	HELP	Any	U	PDS	FB	80	37	189
TKOIPROC	Panel	Any	U	PDS	FB	80	133	449
DKANCUS			E	PDS	FB	80	18	2
DKANDATV			E	PDS	VB	6160	153	4

Figure 26 (Page 2 of 2). Storage Requirements for HKI5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANEXEC			S	PDS	VB	255	20	10
DKANHENU			E	PDS	FB	80	35	20
DKANMOD			E	PDS	U	0	134	74
DKANMODL			E	PDS	U	0	211	55
DKANMODR			E	PDS	U	0	7	7
DKANPAR			E	PDS	FB	80	13	5
DKANPKGI			E	PDS	FB	80	34	2
DKANSAM			E	PDS	FB	80	33	12
DKANWENU			S	PDS	FB	80	20	30
DKOIHELP			U	PDS	FB	80	37	189
DKOIPROC			U	PDS	FB	80	133	449

Figure 27. Storage Requirements for HAAD710 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNINST	Sample	Any	U	PDS	FB	80	4	3
SCYNPKGI	Data	Any	U	PDS	FB	80	6	2
ACYNHFS			U	PDS	VB	8796	654	55
ACYNINST			U	PDS	FB	80	4	3
ACYNPKGI			U	PDS	FB	80	6	2

Figure 28 (Page 1 of 2). Storage Requirements for HAAD71C Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNAUTH	LMOD	Any	U	PDSE	U	0	7	N/A
SCYNINS1	Sample	Any	U	PDS	FB	80	2	2

Figure 28 (Page 2 of 2). Storage Requirements for HAAD71C Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNPKGI	Data	Any	U	PDS	FB	80	2	1
SCYNPROC	Sample	Any	U	PDS	FB	80	2	3
ACYNAUTH			U	PDSE	U	0	7	N/A
ACYNINS1			U	PDS	FB	80	2	2
ACYNPKGI			U	PDS	FB	80	2	1
ACYNPROC			U	PDS	FB	80	2	3

Figure 29. Storage Requirements for HKYN710 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	21	12
TKANDATV	Data	Any	E	PDS	VB	6160	311	2
TKANMODL	LMOD	Any	E	PDS	U	0	266	2
TKANPAR	Data	Any	E	PDS	FB	80	3	2
TKANPKGI	Data	Any	E	PDS	FB	80	1	2
DKANCUS			E	PDS	FB	80	21	12
DKANDATV			E	PDS	VB	6160	311	2
DKANMODL			E	PDS	U	0	266	2
DKANPAR			E	PDS	FB	80	3	2
DKANPKGI			E	PDS	FB	80	1	2

Figure 30 (Page 1 of 2). Storage Requirements for HKQI750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	18	15
TKANDATV	Data	Any	E	PDS	VB	6160	187	6

Figure 30 (Page 2 of 2). Storage Requirements for HKQI750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANEXEC	EXEC	Any	S	PDS	VB	255	1	2
TKANHENU	HELP	Any	E	PDS	FB	80	12	7
TKANMOD	LMOD	Any	E	PDS	U	0	66	3
TKANMODL	LMOD	Any	E	PDS	U	0	99	2
TKANPAR	Data	Any	E	PDS	FB	80	3	2
TKANPKGI	Data	Any	E	PDS	FB	80	4	2
TKANSAM	Sample	Any	E	PDS	FB	80	1	2
TKANWENU	Panel	Any	S	PDS	FB	80	10	12
DKANCUS			E	PDS	FB	80	18	15
DKANDATV			E	PDS	VB	6160	187	6
DKANEXEC			S	PDS	VB	255	1	2
DKANHENU			E	PDS	FB	80	12	7
DKANMOD			E	PDS	U	0	64	3
DKANMODL			E	PDS	U	0	99	2
DKANPAR			E	PDS	FB	80	3	2
DKANPKGI			E	PDS	FB	80	4	2
DKANSAM			E	PDS	FB	80	1	2
DKANWENU			S	PDS	FB	80	10	12

Figure 31 (Page 1 of 2). Storage Requirements for HKMQ750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	20	17
TKANDATV	Data	Any	E	PDS	VB	6160	203	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	4	10
TKANHENU	HELP	Any	E	PDS	FB	80	78	17
TKANMOD	LMOD	Any	E	PDS	U	0	4	3
TKANMODL	LMOD	Any	E	PDS	U	0	370	11

Figure 31 (Page 2 of 2). Storage Requirements for HKMQ750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANOSRC	Data	Any	S	PDS	VB	255	1	2
TKANPAR	Data	Any	E	PDS	FB	80	3	2
TKANPKGI	Data	Any	E	PDS	FB	80	5	2
TKANSAM	Sample	Any	E	PDS	FB	80	1	2
TKANWENU	Panel	Any	S	PDS	FB	80	55	59
DKANCUS			E	PDS	FB	80	20	17
DKANDATV			E	PDS	VB	6160	203	3
DKANEXEC			S	PDS	VB	255	4	10
DKANHENU			E	PDS	FB	80	78	17
DKANMOD			E	PDS	U	0	4	3
DKANMODL			E	PDS	U	0	370	11
DKANOSRC			S	PDS	VB	255	1	2
DKANPAR			E	PDS	FB	80	3	2
DKANPKGI			E	PDS	FB	80	5	2
DKANSAM			E	PDS	FB	80	1	2
DKANWENU			S	PDS	FB	80	55	59

Figure 32. Storage Requirements for HKJJ55U Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANMODL	LMOD	Any	E	PDS	U	0	1	2
TKANMODP	LMOD	Any	E	PDSE	U	0	2	N/A
TKANPKGI	Data	Any	E	PDS	FB	80	5	3
DKANJAR			E	PDS	VB	255	1	2
DKANMODL			E	PDS	U	0	4	2
DKANMODP			E	PDSE	U	0	1	N/A
DKANPKGI			E	PDS	FB	80	5	3

Figure 33. Storage Requirements for HKJJ550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	5	2
TKANDATV	Data	Any	E	PDS	VB	6160	35	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	3	3
TKANHENU	Help	Any	E	PDS	FB	80	9	11
TKANMOD	LMOD	Any	E	PDS	U	0	1	2
TKANMODL	LMOD	Any	E	PDS	U	0	25	2
TKANMODP	LMOD	Any	E	PDSE	U	0	12	N/A
TKANPAR	Parm	Any	E	PDS	FB	80	1	2
TKANPKGI	Data	Any	E	PDS	FB	80	3	2
TKANWENU	Panel	Any	S	PDS	FB	80	9	12
DKANCUS			E	PDS	FB	80	5	2
DKANDATV			E	PDS	VB	6160	35	4
DKANEXEC			E	PDS	VB	255	3	3
DKANHENU			E	PDS	FB	80	9	11
DKANJAR			E	PDS	VB	255	345	5
DKANMOD			E	PDS	U	0	4	2
DKANMODL			E	PDS	U	0	26	2
DKANMODP			E	PDSE	U	0	19	N/A
DKANPAR			E	PDS	FB	80	1	2
DKANPKGI			E	PDS	FB	80	3	2
DKANWENU			E	PDS	FB	80	9	12

Figure 34 (Page 1 of 2). Storage Requirements for HIZD310 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SIZDINST	JCL	Any	U	PDS	FB	80	3	3
SIZDSAMP	Samples	Any	U	PDS	FB	80	25	3
SIZDEXEC	CLIST	Any	U	PDS	FB	80	20	3

Figure 34 (Page 2 of 2). Storage Requirements for HIZD310 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SIZDLOAD	Samples	Any	U	PDS	U	0	65	12
SIZDMAPS	CLIST	Any	U	PDS	VB	1024	8	3
SIZDMESG	CLIST	Any	U	PDS	FB	80	3	3
AIZDINST			U	PDS	FB	80	3	3
AIZDSAMP			U	PDS	FB	80	25	3
AIZDEXEC			U	PDS	FB	80	20	3
AIZDLOAD			U	PDS	U	0	65	12
AIZDMAPS			U	PDS	VB	1024	8	3
AIZDMESG			U	PDS	FB	80	3	5

Figure 35. Storage Requirements for HFZS230 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SFZSLOAD	LMOD	Any	U	PDS	U	0	2	44
SFZSPKGI	Data	Any	U	PDS	FB	80	2	44
AFZSLOAD			U	PDS	U	0	2	44
AFZSPKGI			U	PDS	FB	80	2	44

To review the individual DASD Storage Requirements of each of the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

5.3 FMIDs Deleted

Installing Service Management Suite might result in the deletion of other FMIDs. To see which FMIDs will be deleted, examine the ++VER statement in the SMPMCS of the product.

If you do not want to delete these FMIDs at this time, install Service Management Suite into separate SMP/E target and distribution zones.

Note: These FMIDs are not automatically deleted from the Global Zone. If you want to delete these FMIDs from the Global Zone, use the SMP/E REJECT NOFMID DELETEFMID command. See the SMP/E Commands documentation for details.

5.4 Special Considerations

To effectively manage a suite of products with common components, you can install products into shared zones of a consolidated software inventory (CSI). Space requirements are reduced by installing products into shared CSI zones avoiding the duplication when different target zones, distribution zones, and data sets are used. Sharing a common set of zones also allows SMP/E to automatically manage IFREQ situations that exist across product components.

If you intend to share a Tivoli Enterprise Monitoring Server on z/OS with other products, use shared CSI zones so product configuration sets up the runtime environment correctly.

The installation of Service Management Suite requires the Tivoli Enterprise Monitoring Server on z/OS be installed in the CSI. Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for installation instructions of its product components.

The OMEGAMON Data Provider module KAYSIS01 must be renamed to ZWESIS01 and must not be added into any LINKLIST or LPALIST concatenations. The module MUST be called from a STEPLIB. Failure to do so will result in the following message being issued when the program is executed.

```
ZWES0249E Module ZWESIS01 is loaded from common storage,
 ensure ZWESIS01 is valid in STEPLIB
```

For further instructions, see the OMEGAMON Data Provider product documentation.

To report issues or defects related to the use of the IBM Z Distribution for Zowe 1.0 functionality use the IBM Z Service Management Suite 5698-014 program number and or related component IDs.

Prior to installing Service Management Suite, IBM recommends you review the OMEGAMON shared documentation 6.3.0 Fix Pack 2 and above, **First time deployment guide (FTU installation and tasks)**, the Planning, Configuring, and Configuration Manager topics for general planning and configuration flow. This documentation focuses on the things you will need to know for a successful installation and configuration of this product.

The OMEGAMON shared documentation, and other IBM product documentation can be found at the IBM Documentation URL listed below:

https://www.ibm.com/docs/en/om-shared

The **First time deployment guide (FTU installation and configuration tasks)** documentation can be found on the IBM Documentation website at:

https://www.ibm.com/docs/en/om-shared?
topic=guide-ftu-installation-configuration-tasks

In preparation for the Java 7 EoS later this quarter;

- The Java Runtime Environment (JRE) packages that are shipped with IBM Tivoli Monitoring have been upgraded to the following:
  - **1.8.0 SR7 FP5 for CANDLEHOME on AIX, Linux, Solaris amd64 and Windows.**

For more explecit information, See: **https://www.ibm.com/support/pages/node/6563281**

If you are installing into an existing CSI zone that contains the listed FMIDs, ensure the maintenance has been installed previously or it must be installed with this product package.

```
HKCI310 - UJ07786
HKDS630 - UJ07787
HKLV630 - UJ07235
HKS3550 - UJ04274
HKOB750 - UJ07994
```

New DDDEFs and allocations were introduced via the service process and must be present in the CSI before the APPLY job is executed.

- PTFs UK81687 (HAAD71C FMID) and UA78769 (HIZD310 FMID), SMP/E SMPTLOAD DDDEF, ensure that SMPTLOAD is defined in the CSI.
- PTFs UI50238, UI55595 (HAAD710 FMID) - SCYNZEW9 DDDEF, and UI58254 - SCYNZMSJ DDDEF, and respective zFS directory allocations.

The following sample job is provided to make these definitions, change all occurrences of the following lowercase variables to values suitable for your installation before submitting.

```
  #globalcsi - The dsname of your global CSI.
  #tzone - The name of the SMP/E target zone.
  #dzone - The name of the SMP/E distribution zone.
  #/u/itcamad71 - The DC home path prefix.

//SMPDDDEF JOB 'ACCOUNT INFORMATION','SMP/E-DDDEF',
//       CLASS=A,MSGCLASS=X,MSGLEVEL=(1,1),NOTIFY=&SYSUID
//*************************************************************
//*             D e f i n e   D D D E F   E n t r i e s  *
//*************************************************************
//*
//DC    SET DC='#/u/itcamad71/usr/lpp/itcam/WebSphere/DC'
//*
//DDDEFT   EXEC PGM=GIMSMP,REGION=64M
//SMPCSI   DD DISP=OLD,DSN=#globalcsi
//SYSPRINT DD SYSOUT=*
//SMPOUT   DD SYSOUT=*
//SMPRPT   DD SYSOUT=*
//SMPCNTL  DD *
    SET   BDY(GLOBAL) .
    UCLIN .
    ADD DDDEF(SMPTLOAD) CYL SPACE(2,1) DIR(10)
       UNIT(SYSALLDA) .
       ENDUCL .

    SET   BDY(#tzone) .
    UCLIN .
    ADD DDDEF(SMPTLOAD) CYL SPACE(2,1) DIR(10)
       UNIT(SYSALLDA) .
       ENDUCL .

    SET   BDY(#dzone) .
    UCLIN .
    ADD DDDEF(SMPTLOAD) CYL SPACE(2,1) DIR(10)
       UNIT(SYSALLDA) .
       ENDUCL .

    SET   BDY(#tzone) .
    UCLIN.
    ADD DDDEF (SCYNZEW9)
    PATH('/DC/itcamdc/etc/was/was9/IBM/').
      ENDUCL.

      ZONEEDIT DDDEF.
      CHANGE PATH('/DC/'*,
      '#/u/itcamad71/usr/lpp/itcam/WebSphere/DC/'*).
      ENDZONEEDIT.
```

```
    UCLIN.
    ADD DDDEF (SCYNZMSJ)
    PATH('/DC/itcamdc/lib/ext/msjars/IBM/').
      ENDUCL.

      ZONEEDIT DDDEF.
      CHANGE PATH('/DC/'*,
      '#/u/itcamad71/usr/lpp/itcam/WebSphere/DC/'*).
      ENDZONEEDIT.
/*
//*
//ZFS      IF (DDDEFT.RC = 0) THEN
//*
//* Create zFS directories.
//*
//*
//SCYNZEW9 EXEC PGM=BPXBATCH,
//         PARM='SH mkdir -p &DC/itcamdc/etc/was/was9/IBM/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//SCYNZEW9 EXEC PGM=BPXBATCH,
//       PARM='SH chmod -R 755 &DC/itcamdc/etc/was/was9/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//SCYNZMSJ EXEC PGM=BPXBATCH,
//         PARM='SH mkdir -p &DC/itcamdc/lib/ext/msjars/IBM/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//SCYNZMSJ EXEC PGM=BPXBATCH,
//       PARM='SH chmod -R 755 &DC/itcamdc/lib/ext/msjars/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//ZFSX     ENDIF
//*
//
```

Reference the following URLs for Pre-installation requirements and instructions, and the current listing of recommended service for the OMEGAMON product Suite.

Pre-Installation Checklist: **https://www.ibm.com/support/docview.wss?uid=swg21318692&aid=1**

Recommended Maintenance Service Levels:
http://www.ibm.com/support/docview.wss?uid=swg21290883

To view the individual Special Considerations of the NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

The IBM Service Management Unite portal can be found on this link. It contains information about IBM Service Management Unite and a link to the download url:
http://www-01.ibm.com/support/docview.wss?uid=swg21962625

Consider the following items when using shared CSI zones.

- You must specify the same high-level qualifier for the target and distribution libraries as the other products in the same zones for the configuration tool to work correctly.
- If you install a product into an existing CSI that contains a previous version of the same product, SMP/E deletes the previous version during the installation process. To maintain multiple product versions concurrently, they must be installed into separate CSI zones.
- If you install into an existing environment, you might need to remove data set references from the installation jobs to avoid errors because the data sets already exist.
- If you are installing into an existing environment that has the data sets already allocated, ensure sufficient space and directory blocks are available to support the requirement listed in the DASD tables. This might require you to reallocate some data sets to avoid x37 abends.
- If you want OMEGAMON for Db2 PE on z/OS and the Data Studio Workbench feature of Db2 Accessories Suite to coexist, ensure they are installed in different CSI target zones. Then separate run-time environments of OMEGAMON for Db2 PE and Data Studio Workbench can be configured to coexist in a given LPAR.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of Service Management Suite.

Please note the following points:

- If you want to install Service Management Suite into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.
- You can use the sample jobs that are provided to perform part or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries that are required for SMP/E execution have been defined in appropriate zones.

6.1 Installing Service Management Suite

6.1.1 SMP/E Considerations for Installing Service Management Suite

Use the SMP/E RECEIVE, APPLY, and ACCEPT commands to install this release of Service Management Suite.

To view the SMP/E installation instructions for NetView, System Automation, and IBM Z SW Asset Mgmt products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-5230 for IBM Z SW Asset Mgmt

6.1.2 SMP/E Options Subentry Values

The recommended values for certain SMP/E CSI subentries are shown in Figure 36. Using values lower than the recommended values can result in failures in the installation. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. See the SMP/E manuals for instructions on updating the global zone.

Figure 36. SMP/E Options Subentry Values

Subentry	Value	Comment
DSSPACE	300,1200,1200	Use 1200 directory blocks
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX.

6.1.3 SMP/E CALLLIBS Processing

Service Management Suite uses the CALLLIBS function provided in SMP/E to resolve external references during installation. When Service Management Suite is installed, ensure that DDDEFs exist for the following libraries:

- CSSLIB
- SCCNOBJ
- SCEEBND2
- SCEECPP
- SCEELIB
- SCEELKED
- SCEELKEX
- SCEERUN
- SCEERUN2
- SCLBSID
- SCSQLOAD
- SEZACMTX

Note: CALLLIBS uses the previous DDDEFs only to resolve the link-edit for Service Management Suite. These data sets are not updated during the installation of Service Management Suite.

6.1.4 Installation Job Generator Utility

A utility is available to generate the necessary installation jobs for this product and others that might be included in the product package deliverable. Be aware that not all products are supported at this time and maintenance might be required to get the latest updates for the Job Generator product selection table. It is recommended you use this job generation utility to create a set of jobs to install the product package when installing into an existing environment rather than using the sample jobs provided for each product.

The job generation utility is delivered in the z/OS Installation and Configuration Tool component of the Tivoli Management Services on z/OS product, which is a requisite of this product. This utility is enhanced through the maintenance stream so there could be an issue if it is invoked from an environment without the latest maintenance. Ensure the latest maintenance is installed for the components of this product to get the latest updates for the Job Generator product selection table.

If you are installing for the first time into a new environment and don't have an existing environment available to invoke this utility, you must use the sample jobs for the Tivoli Management Services on z/OS product and install it first. This will install the FMID containing the job generation utility and the latest maintenance. Then you can invoke the utility from the target library TKANCUS to install other products in the package.

The job generation utility can be invoked from the SMP/E target library with the low-level qualifier of TKANCUS, launch the utility by using ISPF option 6 and entering the following command.

```
ex '&gbl_target_hilev.TKANCUS'
```

Select "SMP/E-install z/OS products with Install Job Generator (JOBGEN)" from the z/OS Installation and Configuration Tool main menu.

You can use the online help available as a tutorial to become familiar with the utility and its processes.

6.1.4.1 Introduction to the Job Generator

The job generation utility creates a set of jobs to define a SMP/E environment (CSI and supporting data sets), allocate product libraries (target and distribution zone data sets and DDDEFS), and install the products (RECEIVE APPLY ACCEPT). You can use these jobs to create a totally new environment or to install the products into an existing CSI.

Processing Steps

- The jobs are generated from a series of ISPF interactive panels and ISPF file tailoring.
- The initial step is selection of the product mix. The set of products will determine any additions to the basic set of values needed to create the JCL.

Note: Install Job Generator (JOBGEN) output library: You can specify the Install Job Generator (JOBGEN) output library during the PARMGEN "KCIJPCFG Set up/Refresh PARMGEN work environment" configuration processing to reuse parameter values such as the jobcard and CSI values related to CALLLIBS and USS install directory override data.

Process Log

- One of the members of the generated job library is KCIJGLOG, which is the process log.
- This member shows the generating parameters and internal lists that were used to create the batch jobs.
- It also indicates which jobs were actually produced and need to be run. Note that the RECEIVE, APPLY, and ACCEPT jobs are always generated even if the selected products are already in the target CSI. In that case, the jobs install additional maintenance when available.

6.1.4.2 Product Selection

You can select one or more products from a table that will determine the set of FMIDs to install. You must select at least one product and you should always select the appropriate version of the IBM Tivoli Management Services on z/OS product (5698-A79) that is an installation requisite for this product offering. This will install the necessary FMIDs and maintenance for a new environment but also ensure any requisite maintenance will be processed when installing into an existing environment.

The selection table contains information about all of the supported products and might contain entries for products that you do not have or do not wish to install. Select only those products that are available in the package delivered and that you want to install.

6.1.4.3 Installing into an existing CSI

When the high-level qualifiers point to an existing environment, the job generation utility eliminates the jobs that allocate and initialize the CSI.

The job generation utility suppresses the creation of libraries that already exist in the target environment. Instead, the generator creates a job to determine whether sufficient space is available for any additional data to be installed into the libraries.

The member KCIJGANL is generated to report on the available space for each of the existing libraries that will have new data. However, KCIJGANL cannot check for the maintenance stream requirements.

The space analyzer function is very helpful in identifying data set space issues that might cause X37 abends during APPLY and ACCEPT processing.

6.1.4.4 Job Generator - Update Command

The job generation utility was enhanced to allow dynamic additions to the product table. The UPDATE routine is used to obtain additional data for products that are available but not yet included in the installation job generator table, KCIDJG00.

You must have the product RELFILEs available on DASD in order to run this routine and all components of the product must be available. After a successful run, the output of this routine will replace the KCIDJG00 member of the work data set. If you make multiple changes to the data member be sure to save the original member as a backup.

Note: Not all products qualify for inclusion in the job generator process. Refer to the online help for more information about this facility.

6.1.5 Sample Jobs

If you choose not to use the installation job generator utility documented in the previous section, you can use the sample jobs that were originally created for the products included in Service Management Suite. This will require you to research and tailor each of the jobs accordingly. The Relfiles and member names for these sample jobs are provided in the following tables.

The sample jobs provided expect a CSI to exist already.

Figure 37 (Page 1 of 2). Sample Installation Jobs for IBM Z OMEGAMON Monitor for z/OS

Job Name	Job Type	Description	SMPTLIB Data Set
KM5J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HRKZ560.F19
KM5J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HRKZ560.F19
KM5J5REC	RECEIVE	Sample RECEIVE job	IBM.HRKZ560.F19

Figure 37 (Page 2 of 2). Sample Installation Jobs for IBM Z OMEGAMON Monitor for z/OS

Job Name	Job Type	Description	SMPTLIB Data Set
KM5J6APP	APPLY	Sample APPLY job	IBM.HRKZ560.F19
KM5J7ACC	ACCEPT	Sample ACCEPT job	IBM.HRKZ560.F19

Figure 38. Sample Installation Jobs for IBM Z OMEGAMON Network Monitor

Job Name	Job Type	Description	RELFILE
KN3J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HRKN560.F14
KN3J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HRKN560.F14
KN3J5REC	RECEIVE	Sample RECEIVE job	IBM.HRKN560.F14
KN3J6APP	APPLY	Sample APPLY job	IBM.HRKN560.F14
KN3J7ACC	ACCEPT	Sample ACCEPT job	IBM.HRKN560.F14

Figure 39. Sample Installation Jobs for IBM OMEGAMON for Storage on z/OS

Job Name	Job Type	Description	RELFILE
KS3J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKS3550.F16
KS3J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKS3550.F16
KS3J5REC	RECEIVE	Sample RECEIVE job	IBM.HKS3550.F16
KS3J6APP	APPLY	Sample APPLY job	IBM.HKS3550.F16
KS3J7ACC	ACCEPT	Sample ACCEPT job	IBM.HKS3550.F16

Figure 40. Sample Installation Jobs for IBM Z OMEGAMON Integration Monitor

Job Name	Job Type	Description	RELFILE
KAYJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKOA110.F2
KAYJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKOA110.F2
KAYJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKOA110.F2
KAYJ6BDI	MKDIR	Sample job to invoke the supplied KAYMKDIR EXEC to allocate file system paths	IBM.HKOA110.F2
KAYJ7APP	APPLY	Sample APPLY job	IBM.HKOA110.F2
KAYJ8ACC	ACCEPT	Sample ACCEPT job	IBM.HKOA110.F2

Figure 41. Sample Installation Jobs for IBM Z OMEGAMON for CICS

Job Name	Job Type	Description	RELFILE
KC5J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKC5560.F17
KC5J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKC5560.F17
KC5J5REC	RECEIVE	Sample RECEIVE job	IBM.HKC5560.F17
KC5J6BDI	MKDIR	Sample job to invoke the supplied KGWMKDIR EXEC to allocate file system paths	IBM.HKC5560.F17
KC5J7APP	APPLY	Sample APPLY job	IBM.HKC5560.F17
KC5J8ACC	ACCEPT	Sample ACCEPT job	IBM.HKC5560.F17

Figure 42. Sample Installation Jobs for IBM OMEGAMON for Db2 Performance Expert

Job Name	Job Type	Description	RELFILE
KDBJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKDB550.F25
KDBJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKDB550.F25
KDBJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKDB550.F25
KDBJ6APP	APPLY	Sample APPLY job	IBM.HKDB550.F25
KDBJ7ACC	ACCEPT	Sample ACCEPT job	IBM.HKDB550.F25

Figure 43. Sample Installation Jobs for IBM OMEGAMON for IMS on z/OS

Job Name	Job Type	Description	RELFILE
KI5J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKI5550.F14
KI5J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKI5550.F14
KI5J5REC	RECEIVE	Sample RECEIVE job	IBM.HKI5550.F14
KI5J6APP	APPLY	Sample APPLY job	IBM.HKI5550.F14
KI5J7ACC	ACCEPT	Sample ACCEPT job	IBM.HKI5550.F14

Figure 44 (Page 1 of 2). Sample Installation Jobs for ITCAM for Web Resources

Job Name	Job Type	Description	RELFILE
CYNJ0ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HAAD710.F3
CYNJ0DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HAAD710.F3
CYNJ0REC	RECEIVE	Sample RECEIVE job	IBM.HAAD710.F3

Figure 44 (Page 2 of 2). Sample Installation Jobs for ITCAM for Web Resources

Job Name	Job Type	Description	RELFILE
CYNJ0BDI	MKDIR	Sample job to invoke the supplied CYNMKDIR EXEC to allocate file system paths	IBM.HAAD710.F3
CYNJ0APP	APPLY	Sample APPLY job	IBM.HAAD710.F3
CYNJ0ACC	ACCEPT	Sample ACCEPT job	IBM.HAAD710.F3

Figure 45. Sample Installation Jobs for IBM OMEGAMON for Messaging on z/OS

Job Name	Job Type	Description	RELFILE
KQIJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKQI750.F11
KQIJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKQI750.F11
KQIJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKQI750.F11
KQIJ6APP	APPLY	Sample APPLY job	IBM.HKQI750.F11
KQIJ7ACC	ACCEPT	Sample ACCEPT job	IBM.HKQI750.F11

Figure 46. Sample Installation Jobs for IBM Z OMEGAMON for JVM

Job Name	Job Type	Description	RELFILE
KJJJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKJJ55U.F5
KJJJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKJJ55U.F5
KJJJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKJJ55U.F5
KJJJ6BDI	MKDIR	Sample job to invoke the supplied KJJMKDIR EXEC to allocate file system paths	IBM.HKJJ55U.F5
KJJJ7APP	APPLY	Sample APPLY job	IBM.HKJJ55U.F5
KJJJ8ACC	ACCEPT	Sample ACCEPT job	IBM.HKJJ55U.F5

Figure 47. Sample Installation Jobs for IBM Z Service Management Suite ID

Job Name	Job Type	Description	RELFILE
FZSJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HFZS230.F1
FZSJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HFZS230.F1
FZSJ5REC	RECEIVE	Sample RECEIVE job	IBM.HFZS230.F1
FZSJ6APP	APPLY	Sample APPLY job	IBM.HFZS230.F1
FZSJ7ACC	ACCEPT	Sample ACCEPT job	IBM.HFZS230.F1

The installation of Service Management Suite requires the Tivoli Enterprise Monitoring Server on z/OS be installed in the CSI. Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for installation instructions of its product components.

You can access the sample installation jobs by performing an SMP/E RECEIVE (refer to 6.1.8, “Perform SMP/E RECEIVE” on page 65) then copy the jobs from the SMPTLIB data sets to a work data for editing and submission.

You can also copy the sample installation jobs from the product files by submitting the following job. Before you submit the job, add a job card and change the lowercase parameters to uppercase values to meet the requirements of your site.

```
//STEP1    EXEC PGM=IEBCOPY,REGION=4M
//SYSPRINT DD SYSOUT=*
//IN   DD DSN=IBM.fmid.relfile,UNIT=SYSALLDA,DISP=SHR,
//         VOL=SER=filevol
//OUT      DD DSNAME=jcl-library-name,
//         DISP=(NEW,CATLG,DELETE),
//         VOL=SER=dasdvol,UNIT=SYSALLDA,
//         SPACE=(TRK,(10,2,5))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
    COPY INDD=IN,OUTDD=OUT
    SELECT MEMBER=(member-names)
/*
```

See the following information to update the statements in the previous sample:

IN:
: **filevol** is the volume serial of the DASD device where the downloaded files reside.

OUT:
: **jcl-library-name** is the name of the output data set where the sample jobs are stored.
: **dasdvol** is the volume serial of the DASD device where the output data set resides.

6.1.6 Allocate SMP/E Target and Distribution Libraries

Edit and submit the generated job KCIJGALO to allocate the SMP/E target and distribution libraries for Service Management Suite.

If you are not using the generated allocation job, select the sample allocation job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information. Consider the following issues before submitting the job.

- If you are installing into an existing environment, you might have to remove lines for data sets that already exist.

- If you are installing into an existing environment that has the data sets already allocated, ensure sufficient space and directory blocks are available to support the requirement listed in the DASD tables. This might require you to reallocate some data sets to avoid x37 abends.

Expected Return Codes and Messages: 0

6.1.7 Create DDDEF Entries

Edit and submit the generated job KCIJGDDF to create DDDEF entries for the SMP/E target and distribution libraries for Service Management Suite.

If you are not using the generated job, select the sample DDDEF job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information. If you are installing into an existing environment, you might have to remove lines for data sets that already exist.

Expected Return Codes and Messages: 0

6.1.8 Perform SMP/E RECEIVE

If you have obtained Service Management Suite as part of a CBPDO, use the RCVPDO job in the CBPDO RIMLIB data set to receive the Service Management Suite FMIDs, service, and HOLDDATA that are included on the CBPDO package. For more information, see the documentation that is included in the CBPDO.

You can also choose to edit and submit the generated job KCIJGREC to perform the SMP/E RECEIVE for Service Management Suite. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: 0

6.1.9 Allocate, create and mount ZFS Files (Optional)

This job allocates, creates a mountpoint, and mounts zFS data sets.

You can choose to create a new file system for this product installation by copying, editing, and submitting the JCL below. Add a job card and change all occurrences of the following lowercase variables to values suitable for your installation before submitting.

```
#zfsdsn - The dsname of your zFS directory.
#volser - The volume serial number for the DASD that will contain
          the new file system.
#zfsdir - The zFS directory where this product will be installed.
       The recommended mountpoint is /-PathPrefix-/usr/lpp/kan.
          The zFS directory tree is case sensitive. Ensure #zfsdir
          is an absolute path name and begins with a slash (/).
```

```
//*************************************************************
//* ALLOCZ This step allocates your zFS data set.             *
//*************************************************************
//ALLOCZ   EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
   DEFINE CLUSTER(NAME(#zfsdsn) -
   LINEAR CYLINDERS(15 5) SHAREOPTIONS(3) VOLUMES(#volser))
/*
//*************************************************************
//* FORMAT This step formats your newly created zFS data set.  *
//*   When executing the IOEAGFMT program you must have       *
//*   superuser authority (UID 0) or READ authority to the    *
//*   SUPERUSER.FILESYS.PFSCTL profile in the UNIXPRIV class.  *
//*************************************************************
//FORMAT EXEC PGM=IOEAGFMT,REGION=0M,
//       PARM=('-aggregate #zfsdsn -compat')
//STEPLIB  DD DSN=IOE.SIOELMOD,DISP=SHR
//SYSPRINT DD SYSOUT=*
//*************************************************************
//* MAKEDIR This step creates the directory path for your     *
//* Mount Point                                               *
//*************************************************************
//MAKEDIR  EXEC PGM=IKJEFT01
//SYSTSPRT DD SYSOUT=*
//SYSTSIN  DD *
  PROFILE WTPMSG MSGID
  MKDIR '#zfsdir' MODE(7,5,5)
  PROFILE
/*
//*************************************************************
//*  MOUNT This step MOUNTS your newly created zFS File System *
//*  using the AGGRGROW parameter.                            *
//*************************************************************
//MOUNT    EXEC PGM=IKJEFT01
//SYSTSPRT DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//SYSTSIN  DD *
  MOUNT FILESYSTEM('#zfsdsn') +
     TYPE(ZFS) MODE(RDWR) PARM('AGGRGROW') +
     MOUNTPOINT('#zfsdir')
/*
```

Expected Return Codes and Messages: 0

6.1.10 Allocate File System Paths

If you are installing the OMEGAMON for CICS TG, OMEGAMON Integration Monitor, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components, edit and submit the generated job KCIJGBDI to define the file system paths.

If you are not using the generated job, select the sample jobs KC5J6BDI, KAYJ6BDI, CYNJ0BDI, and KJJJ6BDI. Edit and submit them after making appropriate changes for your environment. Consult the instructions in the sample job for more information. Consider the following items before submitting the job.

Important Notes:

1. The Relfiles containing the KGWMKDIR, KAYMKDIR, CYNMKDIR, and KJJMKDIR execs must be available prior to running these jobs. The Relfiles needed are HKGW550.F14, HKOA110.F2, HAAD710.F3, HKJJ55U.F5, and should be available after running the Receive job.
2. This job must be run before the Apply job.
3. This job must be run by a user ID that has superuser authority (UID=0) or read access to resource BPX.SUPERUSER under the FACILITY profile and superuser authority must be activated.
4. The user ID must have read access to the BPX.FILEATTR.APF and BPX.FILEATTR.PROGCTL resource profiles in the RACF FACILITY class.
5. If you plan to create a new file system for this product, ensure it is created before submitting this job to define file system paths.
6. The file system must be in read/write mode before this job is run.
7. If you create a new file system for Service Management Suite, consider updating the BPXPRMxx PARMLIB member to mount the new file system at IPL time. This action can be helpful if an IPL occurs before the installation is completed.

Expected Return Codes and Messages: 0

6.1.11 Perform SMP/E APPLY

Ensure that you have the latest HOLDDATA, then edit and submit the generated job KCIJGAPP to perform an SMP/E APPLY CHECK for Service Management Suite.

If you are not using the generated job, select the sample APPLY job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information.

Important Notes:

1. If the OMEGAMON for CICS TG, OMEGAMON Data Provider, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components are being installed, the APPLY job must be run by a user ID that has superuser authority (UID=0) or read access to resource BPX.SUPERUSER under the FACILITY profile and superuser authority must be activated.

2. The user ID must also have read access to the BPX.FILEATTR.APF and BPX.FILEATTR.PROGCTL resource profiles in the RACF FACILITY class. This is required for the script to execute successfully and maintain the APF-authorized attributes for all executables and DLLs during unpax.
3. The file system must be in read/write mode before this job is run.

The latest HOLDDATA is available through several different portals, including http://service.software.ibm.com/holdata/390holddata.html. The latest HOLDDATA may identify HIPER and FIXCAT APARs for the FMIDs you will be installing. An APPLY CHECK will help you determine if any HIPER or FIXCAT APARs are applicable to the FMIDs you are installing. If there are any applicable HIPER or FIXCAT APARs, the APPLY CHECK will also identify fixing PTFs that will resolve the APARs, if a fixing PTF is available.

You should install the FMIDs regardless of the status of unresolved HIPER or FIXCAT APARs. However, do not deploy the software until the unresolved HIPER and FIXCAT APARs have been analyzed to determine their applicability. That is, before deploying the software either ensure fixing PTFs are applied to resolve all HIPER or FIXCAT APARs, or ensure the problems reported by all HIPER or FIXCAT APARs are not applicable to your environment.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the PRE, ID, REQ, and IFREQ on the APPLY CHECK. The SMP/E root cause analysis identifies the cause only of *errors* and not of *warnings* (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings, instead of errors).

Here are sample APPLY commands:

1. To ensure that all recommended and critical service is installed with the FMIDs, receive the latest HOLDDATA and use the APPLY CHECK command as follows

   ```
   APPLY S(fmid,fmid,...) CHECK
   FORFMID(fmid,fmid,...)
   SOURCEID(RSU*)
   FIXCAT(IBM.ProductInstall-RequiredService)
   GROUPEXTEND .
   ```

   Some HIPER APARs might not have fixing PTFs available yet. You should analyze the symptom flags for the unresolved HIPER APARs to determine if the reported problem is applicable to your environment and if you should bypass the specific ERROR HOLDs in order to continue the installation of the FMIDs.

   This method requires more initial research, but can provide resolution for all HIPERs that have fixing PTFs available and are not in a PE chain. Unresolved PEs or HIPERs might still exist and require the use of BYPASS.
2. To install the FMIDs without regard for unresolved HIPER APARs, you can add the BYPASS(HOLDCLASS(HIPER)) operand to the APPLY CHECK command. This will allow you to install FMIDs even though one or more unresolved HIPER APARs exist. After the FMIDs are installed, use the SMP/E REPORT ERRSYSMODS command to identify unresolved HIPER APARs and any fixing PTFs.

```
APPLY S(fmid,fmid,...) CHECK
FORFMID(fmid,fmid,...)
SOURCEID(RSU*)
FIXCAT(IBM.ProductInstall-RequiredService)
GROUPEXTEND
BYPASS(HOLDCLASS(HIPER)) .
 ..any other parameters documented in the program directory
```

This method is quicker, but requires subsequent review of the Exception SYSMOD report produced by the REPORT ERRSYSMODS command to investigate any unresolved HIPERs. If you have received the latest HOLDDATA, you can also choose to use the REPORT MISSINGFIX command and specify Fix Category IBM.PRODUCTINSTALL-REQUIREDSERVICE to investigate missing recommended service.

If you bypass HOLDs during the installation of the FMIDs because fixing PTFs are not yet available, you can be notified when the fixing PTFs are available by using the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink.

Expected Return Codes and Messages from APPLY CHECK: 4

After you take actions that are indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

Note: The GROUPEXTEND operand indicates that SMP/E applies all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

If the BYPASS operand is not included in the control statement when processing a PTF with a ++HOLD statement, the job will get a return code of 12 and the following message.

```
GIM30206E command PROCESSING FAILED FOR SYSMOD sysmod.
          HOLD REASON IDS WERE NOT RESOLVED.
```

Expected Return Codes and Messages from APPLY: 4

You can receive many of the following messages depending on your environment. These messages can be ignored, because they will not affect product execution.

```
GIM23913W  LINK-EDIT PROCESSING FOR SYSMOD aaaaaaa
           WAS SUCCESSFUL FOR MODULE bbbbbbbb IN
           LMOD cccccccc IN THE dddddddd LIBRARY.  THE
           RETURN CODE WAS ee.  DATE yy.ddd -- TIME
           hh:mm:ss -- SEQUENCE NUMBER nnnnnn --
           SYSPRINT FILE ffffffff.

GIM24701W  SMP/E COULD NOT OBTAIN LINK-EDIT PARAMETERS FOR
        LOAD MODULE loadmod FOR SYSMOD sysmod. DEFAULTS
        WERE USED.

GIM43401W  elmtype elmname IN SYSMOD sysmod WAS NOT INSTALLED IN
           ANY TARGET LIBRARY.
```

```
GIM67301W  LOAD MODULE loadmod IN SYSLIB syslib DOES NOT INCLUDE
        MODULE modname BECAUSE modname HAS NOT BEEN INSTALLED.

IEW2454W  SYMBOL symbol UNRESOLVED. NO AUTOCALL (NCAL) SPECIFIED.

IEW2480W  EXTERNAL SYMBOL symbol OF TYPE ESD-type WAS
          ALREADY DEFINED AS A SYMBOL OF TYPE ESD-type
          IN SECTION section-name.

IEW2482W  THE ORIGINAL DEFINITION WAS IN A MODULE
          IDENTIFIED BY ddname.  THE DUPLICATE DEFINITION
          IS IN section IN A MODULE IDENTIFIED BY ddname.

IEW2646W  ESD RMODE(24) CONFLICTS WITH USER-SPECIFIED
          RMODE(ANY) FOR SECTION section-name.

IEW2651W  ESD AMODE amode-value CONFLICTS WITH
          USER-SPECIFIED AMODE amode-value FOR ENTRY
          POINT entry-point-name.
```

Figure 48 contains a list of elements that might be marked as not selected during the APPLY and ACCEPT processes. This might occur because a VERSION parameter was supplied in an FMID indicating that it contained a higher level version of the same element provided by another FMID being processed at the same time. The higher version element is selected for processing and the lower version is not selected for processing. It might also occur because maintenance is being installed at the same time as the FMIDs.

Figure 48 (Page 1 of 34). SMP/E Elements Not Selected

CYNZABSW	CYNZAC31	CYNZAC50	CYNZAMUP	CYNZAN31	CYNZAN50
CYNZAS31	CYNZAS50	CYNZAT31	CYNZAT50	CYNZAXCB	CYNZBCBO
CYNZCCFG	CYNZCCLD	CYNZCDC	CYNZCDCX	CYNZCDN	CYNZCFF6
CYNZCKW9	CYNZCLBK	CYNZCLCJ	CYNZCLS6	CYNZCMJR	CYNZCOPY
CYNZCPS7	CYNZCTCB	CYNZCYCN	CYNZCYCT	CYNZCYND	CYNZCYNT
CYNZCY6D	CYNZDCLO	CYNZDCOL	CYNZDCPO	CYNZDC90	CYNZDW80
CYNZFD	CYNZFFDL	CYNZGLS	CYNZGLSW	CYNZHCCB	CYNZIMCB
CYNZINJR	CYNZINPU	CYNZJAVP	CYNZJCCJ	CYNZJDCB	CYNZJDCJ
CYNZJDC7	CYNZJDC8	CYNZJITJ	CYNZJMCB	CYNZJMXE	CYNZJW80
CYNZJW90	CYNZJXWH	CYNZKCOM	CYNZKWJD	CYNZKWJE	CYNZKWJM
CYNZKYMB	CYNZKYND	CYNZKY6D	CYNZLI14	CYNZLI15	CYNZLI16
CYNZLI56	CYNZLI66	CYNZLMGD	CYNZLMS6	CYNZMB70	CYNZMCBR
CYNZMCC	CYNZMCCN	CYNZMCDE	CYNZMCES	CYNZMCFG	CYNZMCFR

Figure 48 (Page 2 of 34). SMP/E Elements Not Selected					
CYNZMCIT	CYNZMCJA	CYNZMCKO	CYNZME60	CYNZME61	CYNZME62
CYNZME70	CYNZMODE	CYNZMP60	CYNZMP61	CYNZMP62	CYNZMP70
CYNZMQCB	CYNZMSJR	CYNZMW51	CYNZMW60	CYNZMW61	CYNZMW80
CYNZMW9	CYNZMW90	CYNZPCO9	CYNZPC80	CYNZPEXT	CYNZPINS
CYNZPMIC	CYNZPP	CYNZPPB	CYNZPPI	CYNZPPW5	CYNZPPW6
CYNZPPX	CYNZPPXI	CYNZPWP5	CYNZPWSI	CYNZPW7	CYNZPW8
CYNZREGA	CYNZRPS7	CYNZSMSH	CYNZSRV	CYNZSTUP	CYNZTBCE
CYNZTCRA	CYNZTCW6	CYNZTCW7	CYNZTCW9	CYNZTC51	CYNZTC70
CYNZTC80	CYNZTC90	CYNZTIJ8	CYNZTKAR	CYNZTKCJ	CYNZTKDJ
CYNZTKNJ	CYNZTKOJ	CYNZTKRJ	CYNZTKRU	CYNZTKUT	CYNZTKWJ
CYNZTKW8	CYNZTLJF	CYNZTOCC	CYNZTOCK	CYNZTOCU	CYNZTOCW
CYNZTOGC	CYNZTOOO	CYNZTOSD	CYNZTOW	CYNZTOW7	CYNZTOW8
CYNZTOW9	CYNZTO90	CYNZTPS7	CYNZTUJR	CYNZTW60	CYNZTW61
CYNZTW80	CYNZUNCN	CYNZUNDC	CYNZVERS	CYNZWCNC	CYNZWECB
CYNZWM	CYNZWPCB	CYNZWSC	CYNZWSHA	CYNZWSIE	CYNZW6H
CYNZW6SX	CYNZW7SX	CYNZW8SX	CYNZW9SX	CYNZ6JCB	CYN1CALL
CYN1DRVR	CYN1DUMP	CYN1GNTK	CYN1GTST	CYN1KCRR	CYN1KCR8
CYN1KFOP	CYN1KGBM	CYN1KGBS	CYN1KGHS	CYN1KGSS	CYN1KGSV
CYN1KGWS	CYN1KRSS	CYN1KWEN	CYN1KWSC	CYN1KWSP	CYN1OPER
CYN1SLOG	CYN1XCOM	CYN1XMPC	CYN1XZAP	DGOADIST	DGOPAA10
DGOPSA10	FPEITASC	FPEITASU	FPEITASV	FPEKITQ	FPEVSIM
FPEVUAM	IZDCDEF	IZDCICSA	IZDCICSC	IZDCICSD	IZDCICSF
IZDCICSI	IZDCICSM	IZDCICSO	IZDCICSP	IZDCICSS	IZDCICST
IZDIRSC	IZDIRSCJ	IZDIRSCX	IZDISDBD	IZDISDPD	IZDISPRD
IZDISSD	IZDISTRD	IZDMCMDI	IZDRDLA	IZDSNETS	IZDSSUBI
IZDUSTRN	KAGAHELP	KAGDDICX	KAGDRNEW	KAGSASTC	KAG621SC
KAHAHELP	KAHCMDLB	KAHJPU1C	KAHJPU1P	KAHJPU1S	KAHPRMLB
KAYBNETL	KAYBRP00	KAYB0001	KAYOPEN	KAY11PAX	KAY11SH
KAY11ZIP	KCADEVT0	KCAIMGR4	KCAOSYS0	KCAUCBS0	KCGBHELP
KCGDDICT	KCI$JCRD	KCI$SYN1	KCI$SYN2	KCI$SYSN	KCICBATO
KCICBAT1	KCICBDIC	KCICBRWS	KCICCPYE	KCICCUST	KCICEXIT
KCICJOB1	KCICMCUS	KCICMDLB	KCICPGHP	KCICRDME	KCICRDM2
KCICRDRV	KCICRECB	KCICREP1	KCICRPLC	KCICRTE	KCICRTEA

Figure 48 (Page 3 of 34). SMP/E Elements Not Selected					
KCICRTED	KCICRTEU	KCICRTEX	KCICRUNA	KCICRUNC	KCICRUNL
KCICRUNS	KCICRUNV	KCICSCAN	KCICSTRT	KCICSVA1	KCICSVA2
KCICSVU2	KCICSV2	KCICSV5	KCICTALR	KCICUPG3	KCICUTIL
KCICVER	KCIDDICT	KCIDELIM	KCIDGLBH	KCIDINFO	KCIDINFX
KCIDIVP1	KCIDJG00	KCIDPGNX	KCIDPLBG	KCIDPLBI	KCIDPLBT
KCIDPMAP	KCIDPNEW	KCIDRBAT	KCIDRCOM	KCIDRDMC	KCIDRDMI
KCIDREQS	KCIDRIVP	KCIDRPLB	KCIDRRTE	KCIDRSEC	KCIDRSYS
KCIDRUSS	KCIGSVAR	KCIH@PG0	KCIH@PG1	KCIH@PG5	KCIH@RT
KCIH@RTA	KCIH@RTB	KCIH@RTC	KCIH@RTD	KCIH@RTE	KCIH@RTF
KCIH@RTG	KCIH@RTH	KCIH@RTI	KCIH@RTJ	KCIH@RTK	KCIH@RTL
KCIH@RTM	KCIH@RTN	KCIH@RTO	KCIH@RTP	KCIH@RTQ	KCIH@RTR
KCIH@RTS	KCIH@RTT	KCIH@SUB	KCIH@SUC	KCIH@SUD	KCIH@SUE
KCIH@SUF	KCIH@SUG	KCIH@SUH	KCIH@SUI	KCIH@SUJ	KCIH@SUK
KCIH@SUL	KCIH@SUM	KCIH@SUN	KCIH@SUO	KCIH@SUP	KCIH@UTL
KCIH@UTM	KCIH@UTN	KCIH@UTO	KCIH@UTP	KCIH@UTQ	KCIH@UTR
KCIH@UTS	KCIH@UTT	KCIH@UTU	KCIH@UTV	KCIH@UTW	KCIH@UTX
KCIHCATR	KCIHCLOX	KCIHCLOY	KCIHCLO1	KCIHCLO2	KCIHCUT
KCIHDFIC	KCIHEXI	KCIHEXIA	KCIHIN1	KCIHIN2	KCIHIN2A
KCIHIN2B	KCIHIN2C	KCIHIN2D	KCIHIN2E	KCIHIN2F	KCIHIR4
KCIHIR4A	KCIHIR4B	KCIHIVP1	KCIHIVP2	KCIHIVP3	KCIHIVP4
KCIHJG0	KCIHJG0A	KCIHJG0B	KCIHJG0C	KCIHJG0D	KCIHJG0E
KCIHJG0F	KCIHJG0G	KCIHJG0H	KCIHJG0I	KCIHJG0J	KCIHJG0K
KCIHJG0L	KCIHJG0M	KCIHPA0	KCIHPA0A	KCIHPA0B	KCIHPA0C
KCIHPA0D	KCIHPA0E	KCIHPA0F	KCIHPA0G	KCIHPA0H	KCIHPGW
KCIHPGWA	KCIHPGWB	KCIHPGWC	KCIHPGWD	KCIHPGWE	KCIHPGWF
KCIHPG3	KCIHPG3A	KCIHPG3B	KCIHPG3C	KCIHPG3D	KCIHPG3E
KCIHPG3F	KCIHPG3G	KCIHPG3H	KCIHPG3I	KCIHPG4	KCIHPG4A
KCIHPG4B	KCIHPG4C	KCIHPG6	KCIHPG6A	KCIHPG7	KCIHPG7A
KCIHPLBC	KCIHPLBD	KCIHPLBI	KCIHPLBJ	KCIHPLBK	KCIHPLBM
KCIHPLBR	KCIHPLBS	KCIHPLBT	KCIHPLBX	KCIHPLBY	KCIHPLB0
KCIHPLB1	KCIHPLB2	KCIHP0A	KCIHP0AA	KCIHP0AB	KCIHP0B
KCIHP0BA	KCIHP0BB	KCIHP0BC	KCIHP0BD	KCIHP0C	KCIHP0CA
KCIHP0CB	KCIHP0CC	KCIHP0CD	KCIHP0CE	KCIHP0CF	KCIHP0CG

Figure 48 (Page 4 of 34). SMP/E Elements Not Selected					
KCIHP0CH	KCIHP0CI	KCIHP0CJ	KCIHP0CK	KCIHP0CL	KCIHP0CM
KCIHP0D	KCIHP0DA	KCIHP0DB	KCIHP0DC	KCIHP0DD	KCIHP0DE
KCIHP0DF	KCIHP0DG	KCIHP0DH	KCIHP0DI	KCIHP0DJ	KCIHP0DK
KCIHP0DL	KCIHP0DM	KCIHP0DN	KCIHP0F	KCIHP0FA	KCIHP0FB
KCIHP0FC	KCIHP0FD	KCIHP0I	KCIHP0IA	KCIHP0IB	KCIHP0IC
KCIHP0ID	KCIHP0IE	KCIHP0IF	KCIHP0IG	KCIHP0IH	KCIHP0II
KCIHP0J	KCIHP0JA	KCIHP0JB	KCIHP0JC	KCIHP0K	KCIHP0KA
KCIHP0KB	KCIHP0KC	KCIHP0KD	KCIHP0KE	KCIHP0L	KCIHP0LA
KCIHP0LB	KCIHP0LC	KCIHP0LD	KCIHP0LE	KCIHP0LF	KCIHP0LG
KCIHP0LH	KCIHP0LI	KCIHP0LJ	KCIHP0M	KCIHP0MA	KCIHP0MB
KCIHP0MC	KCIHP0MD	KCIHP0ME	KCIHP0MF	KCIHP0MG	KCIHP0MH
KCIHP0MI	KCIHP0MJ	KCIHP0MK	KCIHP0ML	KCIHP0MM	KCIHP0MN
KCIHP0MO	KCIHP0MP	KCIHP0MQ	KCIHP0MR	KCIHP0MS	KCIHP0MT
KCIHP0MU	KCIHP1A	KCIHP1AA	KCIHP1AB	KCIHP1AC	KCIHP1AD
KCIHP1AE	KCIHP1AF	KCIHP1AG	KCIHP1AH	KCIHP1AI	KCIHP1AJ
KCIHP1AK	KCIHP1B	KCIHP1BA	KCIHP1BB	KCIHP1BC	KCIHP1BD
KCIHP1BE	KCIHP1BF	KCIHP1BG	KCIHP1BH	KCIHP1BI	KCIHP1C
KCIHP1CA	KCIHP1CB	KCIHP1CC	KCIHP1CD	KCIHP1D	KCIHP1DA
KCIHP1DB	KCIHP1DC	KCIHP1DD	KCIHP1DE	KCIHP1DF	KCIHP1DG
KCIHP1DH	KCIHP1DI	KCIHP1DJ	KCIHP1DK	KCIHP1DL	KCIHP1DM
KCIHP1DN	KCIHP1DO	KCIHP1DP	KCIHP1DQ	KCIHP1DR	KCIHP1DS
KCIHP1DT	KCIHP1DU	KCIHP1DV	KCIHP1DW	KCIHP1DX	KCIHP1E
KCIHP1EA	KCIHP1EB	KCIHP1EC	KCIHP1F	KCIHP1FA	KCIHP1FB
KCIHP1FC	KCIHP1FD	KCIHP1FE	KCIHP1G	KCIHP1GA	KCIHP1GB
KCIHP1GC	KCIHP1I	KCIHP1IA	KCIHP1IB	KCIHP1IC	KCIHP1ID
KCIHP1IE	KCIHP1IF	KCIHP1IG	KCIHP1IH	KCIHP1J	KCIHP1JA
KCIHP1JB	KCIHP1JC	KCIHP5A	KCIHP5AA	KCIHP5AB	KCIHP5AC
KCIHP5AD	KCIHP5AE	KCIHP5AF	KCIHP5AG	KCIHP5AH	KCIHP5AI
KCIHP5B	KCIHP5BA	KCIHP5C	KCIHP5CA	KCIHP5CB	KCIHP5CC
KCIHP5CD	KCIHP5CE	KCIHP5CF	KCIHP5CG	KCIHP5CH	KCIHP5CI
KCIHP5D	KCIHP5DA	KCIHP5DB	KCIHP5DC	KCIHP5DD	KCIHP5DE
KCIHP5DF	KCIHP5DG	KCIHP5DH	KCIHP5DI	KCIHP5DJ	KCIHP5DK
KCIHP5E	KCIHP5EA	KCIHP5EB	KCIHP5EC	KCIHP5ED	KCIHP5EE

Figure 48 (Page 5 of 34). SMP/E Elements Not Selected					
KCIHP5EF	KCIHP5F	KCIHP5FA	KCIHP5FB	KCIHP8A	KCIHP8AA
KCIHP8AB	KCIHP8AC	KCIHP8AD	KCIHP8B	KCIHP8BA	KCIHP8BB
KCIHP8BC	KCIHP8C	KCIHP8D	KCIHP8DA	KCIHP80	KCIHP80A
KCIHP80B	KCIHP80C	KCIHP80D	KCIHP81	KCIHP81A	KCIHP81B
KCIHP81C	KCIHP82	KCIHP82A	KCIHP82B	KCIHP83	KCIHP84
KCIHP84A	KCIHP84B	KCIHP85	KCIHP86	KCIHP86A	KCIHP86B
KCIHP86C	KCIHP86D	KCIHP86E	KCIHP86F	KCIHP86G	KCIHP87
KCIHP87A	KCIHP87B	KCIHP87C	KCIHP87D	KCIHP87E	KCIHP87F
KCIHP87G	KCIHP88	KCIHP89	KCIHQMDL	KCIHQMDM	KCIHQMDN
KCIHQMDO	KCIHQMDP	KCIHQMDQ	KCIHQPG0	KCIHRA	KCIHRAA
KCIHRAB	KCIHRAC	KCIHRAD	KCIHRAE	KCIHRAF	KCIHRAG
KCIHRAH	KCIHRA1	KCIHRA1A	KCIHRA1B	KCIHRA1C	KCIHRA1D
KCIHRA1E	KCIHRA1F	KCIHRA1G	KCIHRA1H	KCIHRA1I	KCIHRA1J
KCIHRA1K	KCIHRA1L	KCIHRA1M	KCIHRB	KCIHRBA	KCIHRBB
KCIHRBC	KCIHRBD	KCIHRBE	KCIHRBF	KCIHRBU	KCIHRBUA
KCIHRBUB	KCIHRBUC	KCIHRBUD	KCIHRBUE	KCIHRBUF	KCIHRBUG
KCIHRBUH	KCIHRTB	KCIHRTBA	KCIHRTX	KCIHRTY	KCIHRU
KCIHRUA	KCIHRUB	KCIHRUC	KCIHRUD	KCIHRUE	KCIHRUF
KCIHRUG	KCIHRUH	KCIHRUI	KCIHRUJ	KCIHRUK	KCIHRU1
KCIHRU1A	KCIHRU1B	KCIHRU1C	KCIHRU1D	KCIHRU1E	KCIHRU1F
KCIHRU1G	KCIHRU1H	KCIHRU1I	KCIHRU1J	KCIHRU1K	KCIHRV
KCIHRVA	KCIHRVB	KCIHRVC	KCIHRVD	KCIHRVE	KCIHRVF
KCIHRV1	KCIHRV1A	KCIHRV1B	KCIHRV1C	KCIHRV1D	KCIHRV1E
KCIHRV1F	KCIHRV1G	KCIHSTAU	KCIHSTAX	KCIHSTA1	KCIHSTA3
KCIHTN	KCIHTNA	KCIHTNB	KCIHTNC	KCIHTND	KCIHTNE
KCIHTNF	KCIHTNG	KCIHUT3	KCIHUT4	KCIHUT4A	KCIHUT4B
KCIHUT4C	KCIHUT4D	KCIHUT4E	KCIHUT4F	KCIHUT4G	KCIHUT4H
KCIHUT4I	KCIHUT4J	KCIHUT4K	KCIHUT4L	KCIHUT4M	KCIHUT4N
KCIHUT4O	KCIHUT4P	KCIHUT4Q	KCIHUT4R	KCIIHDS8	KCIJ$MBD
KCIJ$MSG	KCIJ$NDX	KCIJALOC	KCIJPBSA	KCIJPBSL	KCIJPCCF
KCIJPCFG	KCIJPLOG	KCIJPPRF	KCIJPUP1	KCIJPUP2	KCIJPU11
KCIJPU12	KCIJPU13	KCIJPU14	KCIJPVER	KCIJSALO	KCIJSLOD
KCIJSSEC	KCIJSSYS	KCIJSUPV	KCIJSUSU	KCIMBATO	KCIMRTU

Figure 48 (Page 6 of 34). SMP/E Elements Not Selected					
KCIMTPDS	KCIP@BAK	KCIP@CK1	KCIP@CK2	KCIP@CK6	KCIP@MSG
KCIP@PGP	KCIP@PGS	KCIP@PG0	KCIP@PG1	KCIP@PG2	KCIP@PG3
KCIP@PG4	KCIP@PG5	KCIP@PG6	KCIP@PG8	KCIP@PM2	KCIP@PRS
KCIP@PR1	KCIP@PR2	KCIP@RTE	KCIP@SMC	KCIP@SUB	KCIPARED
KCIPAREP	KCIPARIO	KCIPARMS	KCIPARRX	KCIPCATR	KCIPCHP
KCIPCHPB	KCIPCH1	KCIPCH3	KCIPCH4	KCIPCH5	KCIPCH6
KCIPCH7	KCIPCLOP	KCIPCLOX	KCIPCLO1	KCIPCLO2	KCIPCMSS
KCIPCUTL	KCIPDCOL	KCIPEXIT	KCIPHCKP	KCIPHCK1	KCIPIN1
KCIPIN2	KCIPIR4	KCIPIR7	KCIPJGD0	KCIPJG00	KCIPJG01
KCIPJG02	KCIPJG03	KCIPJG04	KCIPJG05	KCIPLOGO	KCIPPLBP
KCIPPLB0	KCIPPLB1	KCIPPLB2	KCIPPLB3	KCIPPLB4	KCIPPRPT
KCIPPR4	KCIPQPGA	KCIPQPGB	KCIPQPGU	KCIPQPGW	KCIPQPGZ
KCIPQPG1	KCIPRDME	KCIPRDM1	KCIPRIM	KCIPRMLB	KCIPRTAB
KCIPRTA1	KCIPRTA2	KCIPRTEA	KCIPRTEU	KCIPRTEV	KCIPRTEW
KCIPRTEY	KCIPRTUB	KCIPRTU1	KCIPRTU2	KCIPRTU3	KCIPRTU4
KCIPRTV1	KCIPRTV2	KCIPRTW1	KCIPSP01	KCIPSTAU	KCIPSTA1
KCIPSTA3	KCIR@DEL	KCIR@JP2	KCIR@MCF	KCIR@PG1	KCIR@PG2
KCIR@USS	KCIR@UTL	KCIRALC1	KCIRALC5	KCIRCAT1	KCIRCLON
KCIRCPYB	KCIRDATV	KCIRDFIC	KCIRFBVB	KCIRGLB1	KCIRGLB2
KCIRIVPJ	KCIRIVP1	KCIRIVP2	KCIRJCRD	KCIRJGD0	KCIRJGD1
KCIRJGD2	KCIRJG0M	KCIRJG00	KCIRJG01	KCIRJG02	KCIRJG04
KCIRJG05	KCIRJLOG	KCIRLIBS	KCIRMAP1	KCIRMKDA	KCIRPLBC
KCIRPLBH	KCIRPLBI	KCIRPLBJ	KCIRPLBS	KCIRPLBT	KCIRPLBV
KCIRPLBX	KCIRPLBY	KCIRPLB1	KCIRPLB2	KCIRQMDL	KCIRRDME
KCIRRMEM	KCIRRVER	KCIRSRCH	KCIRSTAU	KCIRSTA4	KCIRSUB1
KCIRSV2	KCIRSV5	KCIRUEDT	KCIRXDLA	KCIRXML	KCIRZDLA
KCISBATO	KCISBATX	KCISCATR	KCISHCKP	KCISIVP1	KCISIVP2
KCISJG0W	KCISJG01	KCISJG02	KCISJG03	KCISJG1	KCISJG10
KCISJG11	KCISJG2	KCISJG3	KCISJG4	KCISJG5	KCISJG6
KCISJG7	KCISJG8	KCISJG9	KCISLSDD	KCISMOD3	KCISPLBI
KCISREP1	KCISREP2	KCISRUNA	KCISRUNE	KCISRUNF	KCISRUNG
KCISRUNL	KCISSTA4	KCISSUB1	KCISSVA0	KCISSVOF	KCISSVON
KCISSVU1	KCISSVU2	KCISSYSP	KCISUPG2	KCIUSSJB	KCIWAIT

Figure 48 (Page 7 of 34). SMP/E Elements Not Selected					
KCIXMD1	KCIXMD10	KCIXMD11	KCIXMD12	KCIXMD13	KCIXMD14
KCIXMD15	KCIXMD16	KCIXMD17	KCIXMD18	KCIXMD19	KCIXMD2
KCIXMD20	KCIXMD21	KCIXMD22	KCIXMD3	KCIXMD4	KCIXMD5
KCIXMD6	KCIXMD7	KCIXMD8	KCIXMD9	KCIZC02	KCI310SP
KCNCFDRP	KCNCPYRM	KCULIB	KCULIBD	KC2AHELP	KC2HISJB
KC5AHELP	KC5CMDLB	KC5JPU1C	KC5JPU1P	KC5JPU1S	KC5JSALO
KC5JSLOD	KC5JSSEC	KC5JSSYS	KC5JSUPV	KC5PRMLB	KDELIB
KDE1LNKP	KDFAHELP	KDFCEMCT	KDFDAPCL	KDFDATA	KDFDBCMD
KDFDCNSI	KDFDCONS	KDFDCRTR	KDFDEVIN	KDFDEVSU	KDFDEVXT
KDFDFREF	KDFDHSIN	KDFDHSML	KDFDHSMM	KDFDICE	KDFDLSUM
KDFDMCTF	KDFDPAPL	KDFDPDEV	KDFDPDSN	KDFDSCIN	KDFDSCTE
KDFDSMF	KDFDSUMM	KDFDSYM	KDFDSYMR	KDFDSYM5	KDFDSYM6
KDFDTAPE	KDFDTPIN	KDFDUDGI	KDFDUDSI	KDFDVTPD	KDFDVTSC
KDFDVTSD	KDFDVTSI	KDFDVTSP	KDFDVTST	KDFHSICP	KDFLSMCD
KDFMACON	KDFMUTIL	KDFSALTR	KDFSCOL	KDFSCOMM	KDFSCONF
KDFSCONX	KDFSESPG	KDFSESPM	KDFSESPP	KDFSHSML	KDFSHSMM
KDFSINIT	KDFSIOCE	KDFSMAIN	KDFSMARC	KDFSMCOL	KDFSMIBF
KDFSMIG	KDFSMSUB	KDFSPCMT	KDFSPDEV	KDFSPDSH	KDFSPINI
KDFSPIPR	KDFSPISU	KDFSPITD	KDFSPLPR	KDFSPLSU	KDFSPLTD
KDFSPMGT	KDFSPTRM	KDFSRESM	KDFSSCN	KDFSSCNS	KDFSSIOE
KDFSSSCQ	KDFSXAPL	KDFSXDRV	KDFSXHRP	KDFSXLST	KDFSXSTP
KDFSXSTR	KDFVXAPL	KDFVXCHP	KDFVXDEV	KDFVXDSC	KDFVXDWK
KDFVXGSA	KDFVXGS0	KDFVXHSM	KDFVXMTW	KDFVXPDS	KDFVXTPE
KDFVXVCT	KDF2APPL	KDF2CSTT	KDF2DSCO	KDF2DSNL	KDF2DSNS
KDF2DSUM	KDF2HCDS	KDF2HDRV	KDF2HFDA	KDF2HFST	KDF2HMRA
KDF2HRCT	KDF2HREQ	KDF2HSFN	KDF2HSLG	KDF2HSMS	KDF2HSTO
KDF2HSVL	KDF2IDSG	KDF2IUDD	KDF2IUDN	KDF2LDSC	KDF2LDSG
KDF2LDSI	KDF2LHFS	KDF2LHST	KDF2LSDS	KDF2LSMC	KDF2LSUM
KDF2LUDD	KDF2LUDN	KDF2LVTC	KDF2LVTD	KDF2LVTL	KDF2LVTR
KDF2RAIN	KDF2RDSG	KDF2RHRQ	KDF2TAPD	KDF2TAPG	KDF2UDSG
KDF2UUDN	KDF3CDET	KDF3CDEV	KDF3CSUB	KDF3FNDU	KDF3LCHP
KDF3LDEV	KDF3SEEK	KDHDFCRE	KDHDFDLS	KDHDFGET	KDHDFGHD
KDHDFGHI	KDHDFOPE	KDHDFPUT	KDHDFRSP	KDHDHTTP	KDHLIB

Figure 48 (Page 8 of 34). SMP/E Elements Not Selected					
KDH1LNKP	KDOAHELP	KDOCMDLB	KDOJPU1C	KDOJPU1P	KDOJPU1S
KDOPRMLB	KDPPIR00	KDPPRH00	KDPSNM00	KDS	KDSAHELP
KDSBASE	KDSBHELP	KDSCAT	KDSCMDLB	KDSDDICT	KDSDDICX
KDSDPMAP	KDSDRNEW	KDSFILT	KDSINDFE	KDSINSQL	KDSJPU1C
KDSJPU1P	KDSJPU1S	KDSJSALO	KDSJSLOD	KDSJSSEC	KDSJSSYS
KDSJSUPV	KDSJSUSU	KDSJSUS6	KDSLLIST	KDSMAIN	KDSNCSDL
KDSNCSRQ	KDSNCSRV	KDSOPCTD	KDSPRB	KDSPRMLB	KDSREXIT
KDSRPCRQ	KDSSBATO	KDSSPCMD	KDSSQACL	KDSSQACP	KDSSQACR
KDSSQAD	KDSSQAF	KDSSQAGA	KDSSQAGE	KDSSQAGI	KDSSQAGO
KDSSQAGS	KDSSQAIN	KDSSQAOR	KDSSQAPI	KDSSQAPR	KDSSQARC
KDSSQASA	KDSSQASR	KDSSQATM	KDSSQNCS	KDSSQRPC	KDSSTSLE
KDSTSSN	KDS62CCU	KDS62CF1	KDS62CPN	KDS62HJ	KDS62HJA
KDS62HJB	KDS62H3	KDS62H3A	KDS62H3B	KDS62H3C	KDS62H3D
KDS62H3E	KDS62H3F	KDS62H3G	KDS62H3H	KDS62H3I	KDS62PP3
KDS62SBB	KDS621SC	KD2AHELP	KD2BHELP	KD2JPU11	KD2JPU12
KD2JPU13	KD2JPU14	KD2PRMLB	KD2PRMLF	KD2PRMLP	KD4AHELP
KD4CMDLB	KD4JPU1C	KD4JPU1P	KD4JPU1S	KD4PRMLB	KD5ACINO
KD5ACMD	KD5ACT@S	KD5ACT00	KD5AGAVT	KD5AHELP	KD5ASSCT
KD5AUTOD	KD5AUTO0	KD5CMDLB	KD5DCIFP	KD5DCIF0	KD5DSPLY
KD5DSPL0	KD5HUB0H	KD5HUB00	KD5INI0H	KD5INI00	KD5IRA00
KD5IRH00	KD5JPU1C	KD5JPU1P	KD5JPU1S	KD5JSALO	KD5JSLOD
KD5JSSEC	KD5JSSYS	KD5JSUPV	KD5KFA0H	KD5KFA00	KD5LRDEL
KD5LRGET	KD5LRNEW	KD5LRREL	KD5PLEX	KD5PRMLB	KD5SNM00
KD5SRV00	KD5SUBIP	KD5SUBIQ	KD5SUBJP	KD5SUBJQ	KD5WTO00
KEBDUMMY	KEBEPLG0	KEBFINT0	KEBFNDD0	KEBFPAR0	KEBFSCR0
KEBGTID0	KEBICPW0	KEBINIT	KEBLNKA0	KEBLNKC0	KEBMSGF0
KEBMXA14	KEBNVCR0	KEBNVDL0	KEBNVEA0	KEBNVIQ0	KEBNVOP0
KEBNVSU0	KEBNVUD0	KEBPRFE0	KEBROPN0	KEBSMFI4	KEBSPFD0
KEBSTAE4	KEBSTAK0	KEBTIOT0	KEBTSO0	KEBVSMC0	KEBWKGT0
KEBWKPT0	KEBZSB10	KEB132F0	KEB2ISPF	KEFLIB	KEICRD00
KEIDBLOD	KEIDBPRG	KEIEM0MQ	KEIEM0NQ	KEIEM0OQ	KEIEM0PQ
KEIEPLG	KEIHOT0Q	KEIINC00	KEIKCA00	KEIRDNMQ	KEIRDNNQ
KEIRDNOQ	KEIRDNPQ	KEIRI0MQ	KEIRI0NQ	KEIRI0OQ	KEIRI0PQ

Figure 48 (Page 9 of 34). SMP/E Elements Not Selected					
KEISR0MQ	KEISR0NQ	KEISR0OQ	KEISR0PQ	KEP2OBTN	KEP2XA5
KETJPU1P	KETJPU1S	KETPRMLB	KFAAUTOX	KFACAT	KFACOM
KFAOMTEC	KFAPRB	KFAXCF	KFJJMCM	KFJMAINT	KFJOMEGA
KFJSALO	KFJSALOS	KFJSCFG	KFJSCLIB	KFJSCLSM	KFJSCPR
KFJSC2WC	KFJSEMBC	KFJSEMBG	KFJSEMBO	KFJSEWCV	KFJSIDEF
KFJSJCRD	KFJSMGSV	KFJSMIGG	KFJSPAR	KFJSPDMG	KFJSPODS
KFJSPPMV	KFJSPRF	KFJSPSTC	KFJSPUS6	KFJSPVER	KFJSRTED
KFJSSEC	KFJSSECC	KFJSSECO	KFJSSYS	KFJSUPV	KFJSUPVS
KFJSUSSV	KFJSW1R	KFJWCONF	KFJWDEL	KFJWDEPL	KFJWDISC
KFJWGEN	KFJWMIG	KFJWNEW	KFJWPACK	KFJWVAL	KFUIAGTC
KFUIMLVL	KFUOALOC	KFUOCALL	KFUOCOPY	KFUODEMD	KFUODEML
KFUODISC	KFUODYNA	KFUOFLOW	KFUOIJCL	KFUOLDSI	KFUOLIDS
KFUOMEGA	KFUOMSGO	KFUOREXH	KFUOREXI	KFUOREXL	KFUOREXS
KFUOREXX	KFUOSYDS	KFUOSYVA	KFUOTIOT	KFUOTRAP	KFUOTSEV
KFUOVARS	KFURPRE1	KFWCAT	KGELIB	KGL	KGLBASE
KGLCRTST	KGLCRYUT	KGLOPCRY	KGL01P1	KGL01P2	KGWAHELP
KGWCMDLB	KGWDINFO	KGWJPU1C	KGWJPU1P	KGWJPU1S	KGWJSALO
KGWJSSYS	KGWJSUPV	KGWPRMLB	KGWUIUSJ	KHDXCL1	KHLCMDLB
KHLJPU1C	KHLJPU1P	KHLJPU1S	KHLPRMLB	KIABGMN	KIACARE
KIACKPG5	KIACMLK5	KIACPUW5	KIADPGN5	KIADWCL5	KIAENQW5
KIAHSKP5	KIAIAFM	KIAIAJ25	KIAIAMD	KIAIANL5	KIAIANZ
KIAMDCL5	KIAMDIN5	KIAMNTP0	KIAMSEL0	KIAPGSW5	KIAQIOW5
KIARCOL5	KIARECD5	KIARECV5	KIARSMS5	KIASORT0	KIASRMD5
KIBATR	KIBCAT	KIBDOC	KINSTALL	KIP$PLX	KIP$PLXD
KIPAGENT	KIPATF00	KIPATP00	KIPATR	KIPATT00	KIPAUTO1
KIPBAR	KIPCAT	KIPCCB00	KIPCDOM0	KIPCDON0	KIPCDOO0
KIPCDOP0	KIPCDSM0	KIPCDSN0	KIPCDSO0	KIPCDSP0	KIPCFGM0
KIPCFGN0	KIPCFGO0	KIPCFGP0	KIPCICQ0	KIPCICR0	KIPCICS0
KIPCICT0	KIPCICU0	KIPCICV0	KIPCICW0	KIPCMD	KIPCMDBE
KIPCMD00	KIPCMPM0	KIPCMPN0	KIPCMPO0	KIPCMPP0	KIPCOL00
KIPCSQM0	KIPCSQN0	KIPCSQO0	KIPCSQP0	KIPC8000	KIPC8100
KIPC8200	KIPC8300	KIPC8400	KIPDATA	KIPDBCTA	KIPDBCTD
KIPDBCTS	KIPDBGOF	KIPDBGON	KIPDBS	KIPDBSM0	KIPDBSN0

Figure 48 (Page 10 of 34). SMP/E Elements Not Selected					
KIPDBSO0	KIPDBSP0	KIPDCE00	KIPDCIF1	KIPDEPD	KIPDEPS
KIPDET00	KIPDEX00	KIPDOC	KIPDSPL1	KIPENVM0	KIPENVN0
KIPENVO0	KIPENVP0	KIPFPINF	KIPHDBM0	KIPHDBN0	KIPHDBO0
KIPHDBP0	KIPHISTC	KIPHLTM0	KIPHLTN0	KIPHLTO0	KIPHLTP
KIPHLTP0	KIPH0001	KIPH0002	KIPH0003	KIPH0004	KIPH0005
KIPH0006	KIPH0007	KIPH0008	KIPH0009	KIPH0010	KIPH0011
KIPH0012	KIPH0013	KIPH0014	KIPH0015	KIPH0016	KIPH0017
KIPH0018	KIPH0019	KIPH0020	KIPH0021	KIPH0022	KIPH0023
KIPH0024	KIPH0025	KIPH0026	KIPH0027	KIPH0028	KIPH0029
KIPH0030	KIPH0031	KIPH0032	KIPH0033	KIPH0034	KIPH0035
KIPH0036	KIPH0037	KIPH0038	KIPH0039	KIPH0040	KIPH0041
KIPH0042	KIPH0043	KIPH0044	KIPH0045	KIPH0046	KIPH0047
KIPH0048	KIPH0049	KIPH0050	KIPH0051	KIPH0052	KIPH0053
KIPH0054	KIPH0055	KIPH0056	KIPH0057	KIPH0058	KIPH0059
KIPH0060	KIPH0061	KIPH0062	KIPH0063	KIPH0064	KIPH0065
KIPH0066	KIPH0067	KIPH0068	KIPH0069	KIPH0070	KIPH0071
KIPH0072	KIPH0073	KIPH0074	KIPH0075	KIPH0076	KIPH0077
KIPH0078	KIPH0079	KIPH0080	KIPH0081	KIPH0082	KIPH0083
KIPH0084	KIPH0085	KIPH0086	KIPH0087	KIPH0088	KIPH0089
KIPH0090	KIPH0091	KIPH0092	KIPH0093	KIPH0094	KIPH0095
KIPH0096	KIPH0097	KIPH0098	KIPH0099	KIPH0100	KIPH0101
KIPH0102	KIPH0103	KIPH0104	KIPH0105	KIPH0106	KIPH0107
KIPH0108	KIPH0109	KIPH0110	KIPH0111	KIPH0112	KIPH0113
KIPICA00	KIPICB00	KIPICE00	KIPICI00	KIPICP00	KIPICR00
KIPICS00	KIPICT00	KIPICX00	KIPILA00	KIPILB00	KIPILC00
KIPILJ00	KIPILOG	KIPILOGD	KIPILOGS	KIPILO00	KIPILR00
KIPILV00	KIPILX00	KIPILZ00	KIPIMSD	KIPIMS00	KIPINDEX
KIPIRCDQ	KIPIRCEQ	KIPIRSD0	KIPIRSE0	KIPJSTMS	KIPJSTPS
KIPJSTPW	KIPLCKM0	KIPLCKN0	KIPLCKO0	KIPLCKP0	KIPLNKM0
KIPLNKN0	KIPLNKO0	KIPLNKP0	KIPLOKDQ	KIPLOKEQ	KIPLTMS
KIPMAP	KIPMCB00	KIPMQSM0	KIPMQSN0	KIPMQSO0	KIPMQSP0
KIPMSCLL	KIPMSCPL	KIPMSDM0	KIPMSDN0	KIPMSDO0	KIPMSDP0
KIPMSG00	KIPMSMAN	KIPNAVBE	KIPNAVBP	KIPNAV2P	KIPOIC00

Figure 48 (Page 11 of 34). SMP/E Elements Not Selected					
KIPOTMM0	KIPOTMN0	KIPOTMO0	KIPOTMP0	KIPPDICT	KIPPLEX
KIPPLKM0	KIPPLKN0	KIPPLKO0	KIPPLKP0	KIPPRMM0	KIPPRMN0
KIPPRMO0	KIPPRMP0	KIPPSBD	KIPPSBS	KIPPTMM0	KIPPTMN0
KIPPTMO0	KIPPTMP0	KIPPTMS	KIPPTMSD	KIPRESPU	KIPRGOM0
KIPRGON0	KIPRGOO0	KIPRGOP0	KIPRTA00	KIPRTE00	KIPRTGS
KIPRTG00	KIPRTI00	KIPRTR00	KIPRTS00	KIPSCDM0	KIPSCDN0
KIPSCDO0	KIPSCDP0	KIPSPBM0	KIPSPBN0	KIPSPBO0	KIPSPBP0
KIPSTART	KIPSTA00	KIPSTRTI	KIPSTRTM	KIPSTRTN	KIPSUBMQ
KIPSUBNQ	KIPSUBOQ	KIPSUBPQ	KIPTACMD	KIPTCCM0	KIPTCCN0
KIPTCCO0	KIPTCCP0	KIPTHDM0	KIPTHDN0	KIPTHDO0	KIPTHDP0
KIPTHRSH	KIPTHSM0	KIPTHSN0	KIPTHSO0	KIPTHSP0	KIPTOLPU
KIPTRC00	KIPTRM00	KIPTRND	KIPTRNS	KIPVAVT	KIPVLKD
KIPVNOD	KIPVRTMS	KIPWAT00	KIPWIPER	KIPWRKM0	KIPWRKN0
KIPWRKO0	KIPWRKP0	KI2AHAM0	KI2AHAN0	KI2AHAO0	KI2AHAP0
KI2AHELP	KI2AJW00	KI2ARM00	KI2ARZ00	KI2ATFLS	KI2ATRDZ
KI2BS000	KI2CMP00	KI2IT1M0	KI2IT1N0	KI2IT1O0	KI2IT1P0
KI2IT2M0	KI2IT2N0	KI2IT2O0	KI2IT2P0	KI2MN0M0	KI2MN0N0
KI2MN0O0	KI2MN0P0	KI2NR000	KI2SAF00	KI2TCCM0	KI2TCCN0
KI2TCCO0	KI2TCCP0	KI2TC0M0	KI2TC0N0	KI2TC0O0	KI2TC0P0
KI2TE000	KI2ZENF	KI2ZLIC	KI5AHELP	KI5CMDLB	KI5HLP20
KI5HLP21	KI5HLP22	KI5JPU1C	KI5JPU1P	KI5JPU1S	KI5JSALO
KI5JSLOD	KI5JSSEC	KI5JSSYS	KI5JSUPV	KI5PDICT	KI5PRMLB
KJJ	KJJAGENT	KJJAHELP	KJJATR	KJJBAR	KJJBOOT
KJJCAT	KJJCFGSH	KJJCJS	KJJCJSH	KJJCJSHS	KJJCMDLB
KJJCPU	KJJCPUD	KJJCPU00	KJJCPU01	KJJDDICT	KJJDOC
KJJEJS	KJJENVBC	KJJENVCP	KJJENVE	KJJENVEV	KJJENVJP
KJJENVSP	KJJGCD	KJJGCD00	KJJGCD01	KJJGCD02	KJJGCD03
KJJGCS	KJJHISTC	KJJHSEL	KJJHSEL1	KJJH0001	KJJH0002
KJJH0003	KJJH0004	KJJH0005	KJJH0006	KJJH0007	KJJH0008
KJJH0009	KJJH0010	KJJH0011	KJJH0012	KJJH0013	KJJH0014
KJJH0015	KJJH0016	KJJH0017	KJJH0018	KJJH0019	KJJH0020
KJJINDEX	KJJINT2J	KJJINT2M	KJJINT3J	KJJINT3M	KJJJDTL
KJJJPU1C	KJJJPU1P	KJJJPU1S	KJJJSALO	KJJJSM1	KJJJSSYS

Figure 48 (Page 12 of 34). SMP/E Elements Not Selected					
KJJJSTMS	KJJJSTPS	KJJJSTPW	KJJJSUM	KJJJSUPV	KJJLAG31
KJJLAG64	KJJLCK	KJJLCK00	KJJLCK01	KJJLCK02	KJJLIB
KJJLIB64	KJJLSJCL	KJJMAP	KJJMKDIR	KJJMONAP	KJJMSMAN
KJJNMEMS	KJJNMLE	KJJNMVM	KJJNMZ	KJJNOPID	KJJOMPRP
KJJPCX	KJJPDICT	KJJPLGIN	KJJPRMLB	KJJPROP	KJJSTART
KJJSTRTI	KJJTHD	KJJTHD00	KJJTHD01	KJJTHRSH	KJJTREEZ
KJJTXMMF	KJJTXMON	KJJUIUSJ	KJJUIUSK	KJJUSSJB	KJJVRTMS
KJJZCDA	KJJZCDD	KJJZCDF	KJJZCDI	KJJZCDR	KJJZCDS
KJJZCES	KJJZCHSA	KJJZCHST	KJJZCIN	KJJZCIND	KJJZCINS
KJJZCODA	KJJZCODD	KJJZCODE	KJJZCODO	KJJZCOSA	KJJZCOSE
KJJZCOSO	KJJZCOTB	KJJZCSA	KJJZCSF	KJJZCSI	KJJZCSM
KJJZCSR	KJJZCSS	KJJZCTB	KJJZFLTE	KJJZOSS	KJJZRTE
KJTAGVT	KJTALOG	KJTCENQ	KJTCGGVT	KJTCPU	KJTDGGVT
KJTENV	KJTFIELD	KJTGCEVT	KJTGCSUM	KJTJJOB	KJTJVMS
KJTLIST	KJTLKEVT	KJTLKSUM	KJTLOAD	KJTLOG	KJTLTOD
KJTMAIN	KJTMOUT	KJTNMEVT	KJTPARSR	KJTPIDS	KJTPROPS
KJTQMGR	KJTSTART	KJTTDEVT	KJTTXEVT	KJTXMINT	KJTXML
KJTXMPC	KLB	KLBLIB	KLBSTART	KLECRGFP	KLEDFCCL
KLEDMBOL	KLEDMDIS	KLEDMGET	KLEDMINI	KLEDMNUM	KLEDMPOP
KLEDMPUT	KLEDMSTR	KLEDMTOK	KLEDYAPP	KLEDYERR	KLEDYFIN
KLEDYFRE	KLEDYINI	KLEDYOPT	KLEDYUNA	KLEEMCRE	KLEEMDES
KLEEMPOS	KLEEMWAI	KLEFRDRP	KLEFRSET	KLEGLLOK	KLEGLREL
KLEHMALL	KLEHMCRE	KLEHMDES	KLEHMREL	KLEHSALL	KLEHSREL
KLEHSVER	KLEINEPI	KLEINPRO	KLEIPACC	KLEIPALR	KLEIPCRE
KLEIPDEQ	KLEIPDES	KLEIPPSH	KLEIPQRY	KLEIPQUE	KLELAC2E
KLELAECC	KLELAEIF	KLELAEPI	KLELAPRD	KLELAPRO	KLELAPRV
KLELATHD	KLELMCRE	KLELMDES	KLELMEXC	KLELMREL	KLELMSHA
KLELMTEX	KLELMTSH	KLELS$BL	KLELS$EX	KLELS$LO	KLELS$SB
KLELS$SE	KLELS$SL	KLELS$SS	KLELSABE	KLELSABO	KLELSAEX
KLELSASS	KLELSATE	KLELSCAL	KLELSDDN	KLELSERR	KLELSFCL
KLELSFGE	KLELSFOP	KLELSFPU	KLELSFRE	KLELSGTL	KLELSMAL
KLELSMSG	KLELSPRI	KLELSQTI	KLELSQUI	KLELSRAI	KLELSREA
KLELSSHI	KLELSSHU	KLELSSIG	KLELSSLD	KLELSSTI	KLELSSTK

Figure 48 (Page 13 of 34). SMP/E Elements Not Selected					
KLELSSTL	KLELSSTR	KLELSTRA	KLELSUNS	KLELSVER	KLELSXCT
KLEL0OPN	KLEL0RCV	KLEL0SND	KLEL0UNB	KLEMMQLI	KLEMMQUS
KLENMACC	KLENMCNT	KLENMLOG	KLENMVAL	KLENMVGT	KLENMVPT
KLEPDDEL	KLEPDEND	KLEPDGET	KLEPDODR	KLEPDOIN	KLEPDOUT
KLEPDRDR	KLEPDREN	KLEPDSIZ	KLEPDWRT	KLEPSATT	KLEPSBA
KLEPSBEP	KLEPSCRE	KLEPSDES	KLEPSDET	KLEPSDOW	KLEPSDRW
KLEPSEA	KLEPSEXB	KLEPSFAT	KLEPSFDV	KLEPSFIL	KLEPSFPS
KLEPSGDV	KLEPSGPS	KLEPSINI	KLEPSLEF	KLEPSPOP	KLEPSQAS
KLEPSQAT	KLEPSQCF	KLEPSQCS	KLEPSQCU	KLEPSQDA	KLEPSQDS
KLEPSQDV	KLEPSQMF	KLEPSQNE	KLEPSQPO	KLEPSRDC	KLEPSREA
KLEPSREF	KLEPSRES	KLEPSRIG	KLEPSSAT	KLEPSSPI	KLEPSSPO
KLEPSSTC	KLEPSTRA	KLEPSTRI	KLEPSTRM	KLEPSUP	KLEPSWRF
KLEPSWRI	KLERGAPL	KLERGFNC	KLESMCLS	KLESMGET	KLESMOPN
KLESMPUT	KLESSQAP	KLESSQLM	KLESSQLU	KLESSQTY	KLESTENC
KLESTPAK	KLESTQRY	KLESTUNP	KLETBADD	KLETBBOT	KLETBCLO
KLETBCRE	KLETBDEL	KLETBDIS	KLETBEND	KLETBERA	KLETBEXI
KLETBGET	KLETBMDE	KLETBMOD	KLETBOPE	KLETBPUT	KLETBQUE
KLETBREO	KLETBSAR	KLETBSAV	KLETBSCA	KLETBSKI	KLETBSOR
KLETBTOP	KLETBVCL	KLETBVDF	KLETMDEL	KLETREXT	KLETRINT
KLETS	KLEVSACQ	KLEVSBAK	KLEVSCLS	KLEVSERQ	KLEVSERS
KLEVSFLD	KLEVSFLS	KLEVSFWD	KLEVSGET	KLEVSGTS	KLEVSGTX
KLEVSLST	KLEVSOPN	KLEVSPNT	KLEVSPUT	KLEVSQRY	KLEVSRRQ
KLEVSSRQ	KLEXCCLO	KLEXCFND	KLEXCGET	KLEXCLOC	KLEXCOPN
KLEXCPUT	KLEXCQGM	KLEXCQGR	KLEXSACT	KLEXSDEA	KLEXSJOI
KLEXSREL	KLEXSREM	KLEXSRES	KLUACTVT	KLUALLOC	KLUAPDSM
KLUBSMGR	KLUDFALL	KLUDFATR	KLUDFCOL	KLUDFDBG	KLUDFDEF
KLUDFDEP	KLUDFENT	KLUDFEXP	KLUDFFLD	KLUDFFND	KLUDFFRG
KLUDFIDC	KLUDFIMP	KLUDFINF	KLUDFKEY	KLUDFLGN	KLUDFLIM
KLUDFMES	KLUDFNOD	KLUDFNXT	KLUDFOEM	KLUDFON	KLUDFOPT
KLUDFPEK	KLUDFPNT	KLUDFPRT	KLUDFPRV	KLUDFRBM	KLUDFREF
KLUDFROW	KLUDFSRM	KLUDFSTF	KLUDFTLI	KLUDFTOT	KLUDFTRG
KLUDFTRM	KLUDFTYP	KLUDFUSR	KLUDFVIN	KLUDFVLI	KLUDFVOW
KLUDFWID	KLUDFWIN	KLUDFWT	KLUFOREG	KLUFTMGR	KLUFUCB

Figure 48 (Page 14 of 34). SMP/E Elements Not Selected					
KLUFUWB	KLUIBMGR	KLUINVSS	KLUMFS	KLUOPTRC	KLUOPVCA
KLUOPVFO	KLUOPVSH	KLUPOST	KLUPSISR	KLUPTMON	KLURBDSM
KLURMDSM	KLURTSMI	KLUTIMGR	KLUVTIMM	KLUVTM	KLUVTMON
KLUVTONT	KLUXGDDM	KLUXOEM	KLUXRPQ	KLUXWSF	KLV
KLV$ABRT	KLV$ACQ	KLV$ALOC	KLV$ANCH	KLV$CLKG	KLV$CMD
KLV$CRYP	KLV$CTMR	KLV$DATE	KLV$DBAD	KLV$DBAN	KLV$DBAS
KLV$DBCH	KLV$DBCN	KLV$DBCP	KLV$DBCV	KLV$DBDC	KLV$DBDS
KLV$DBLN	KLV$DBSB	KLV$DBSC	KLV$DBSP	KLV$DBVL	KLV$DEV
KLV$DISP	KLV$DM	KLV$DMNL	KLV$DMTB	KLV$DUMP	KLV$DYNA
KLV$EVAL	KLV$EXEC	KLV$FBUF	KLV$FFQE	KLV$FMEM	KLV$FRR
KLV$GBUF	KLV$GCD	KLV$GFQE	KLV$GLOK	KLV$GMEM	KLV$GSLL
KLV$GTMS	KLV$GTRC	KLV$GTRI	KLV$GUNL	KLV$HSM	KLV$IPC
KLV$LOAD	KLV$MSG	KLV$MSGD	KLV$NAF	KLV$NAM	KLV$OMON
KLV$OPER	KLV$OPVS	KLV$OPVT	KLV$OWN	KLV$PACK	KLV$PAM
KLV$PAMW	KLV$PASS	KLV$PDS	KLV$POST	KLV$PRT	KLV$PSMA
KLV$PSMB	KLV$PSMC	KLV$PSMD	KLV$PSML	KLV$PSMM	KLV$PSMP
KLV$PSMS	KLV$PTMS	KLV$RCV	KLV$RPLY	KLV$RSS	KLV$SAM
KLV$SCAN	KLV$SEND	KLV$SENX	KLV$SESS	KLV$SHLM	KLV$SNAP
KLV$SPS	KLV$STGF	KLV$STGG	KLV$STGI	KLV$STGT	KLV$STGU
KLV$STIN	KLV$STMR	KLV$STMX	KLV$SVCS	KLV$SYNC	KLV$TEM
KLV$TEM1	KLV$TOD	KLV$TOM	KLV$USRX	KLV$VPO	KLV$VSAM
KLV$VSM	KLV$VTAM	KLV$VTCB	KLV$XREF	KLV$XSS	KLVACRNA
KLVACRNB	KLVACRNC	KLVACTIV	KLVA2NEV	KLVBUVSM	KLVCNVD
KLVCNVT	KLVCNVX	KLVDF$OP	KLVDF$RE	KLVDF$SE	KLVDF$UN
KLVDFABN	KLVDFACH	KLVDFACR	KLVDFAFR	KLVDFALD	KLVDFASH
KLVDFASL	KLVDFATT	KLVDFBEP	KLVDFCAL	KLVDFCAS	KLVDFCFN
KLVDFCHR	KLVDFCLP	KLVDFCMD	KLVDFCNT	KLVDFCST	KLVDFCTR
KLVDFDAD	KLVDFDAN	KLVDFDAS	KLVDFDBX	KLVDFDCN	KLVDFDCP
KLVDFDCV	KLVDFDDC	KLVDFDET	KLVDFDFM	KLVDFDLN	KLVDFDMP
KLVDFDSB	KLVDFDSC	KLVDFDSP	KLVDFDTC	KLVDFDTI	KLVDFDTL
KLVDFDTO	KLVDFDTS	KLVDFDTV	KLVDFDVL	KLVDFD2X	KLVDFED
KLVDFENC	KLVDFGAP	KLVDFGCD	KLVDFHEX	KLVDFIDX	KLVDFIPC
KLVDFISD	KLVDFLGF	KLVDFLJS	KLVDFLNK	KLVDFLOG	KLVDFLRN

Figure 48 (Page 15 of 34). SMP/E Elements Not Selected					
KLVDFMAX	KLVDFMIN	KLVDFNAF	KLVDFNLS	KLVDFON	KLVDFOPR
KLVDFOWS	KLVDFPAC	KLVDFPAD	KLVDFPAK	KLVDFPAN	KLVDFPAO
KLVDFPAR	KLVDFPAS	KLVDFPAT	KLVDFPBK	KLVDFPBR	KLVDFPBT
KLVDFPCK	KLVDFPCL	KLVDFPCR	KLVDFPCU	KLVDFPDE	KLVDFPDR
KLVDFPDS	KLVDFPDW	KLVDFPEA	KLVDFPEE	KLVDFPEK	KLVDFPEX
KLVDFPE2	KLVDFPFL	KLVDFPFN	KLVDFPFO	KLVDFPHG	KLVDFPHO
KLVDFPIM	KLVDFPKK	KLVDFPLE	KLVDFPLO	KLVDFPNE	KLVDFPOP
KLVDFPPC	KLVDFPPR	KLVDFPPT	KLVDFPRD	KLVDFPRE	KLVDFPRF
KLVDFPRI	KLVDFPRM	KLVDFPRS	KLVDFPRW	KLVDFPSC	KLVDFPSF
KLVDFPSL	KLVDFPSM	KLVDFPSO	KLVDFPSP	KLVDFPSZ	KLVDFPTA
KLVDFPTE	KLVDFPTK	KLVDFPTO	KLVDFPTR	KLVDFPTY	KLVDFPUP
KLVDFPWH	KLVDFPWI	KLVDFPWR	KLVDFPZM	KLVDFQCD	KLVDFQDV
KLVDFQRP	KLVDFREF	KLVDFREP	KLVDFRES	KLVDFRJS	KLVDFRND
KLVDFSAM	KLVDFSUB	KLVDFTAD	KLVDFTBT	KLVDFTCL	KLVDFTCR
KLVDFTDE	KLVDFTDI	KLVDFTDX	KLVDFTEN	KLVDFTER	KLVDFTEX
KLVDFTGT	KLVDFTGX	KLVDFTLS	KLVDFTMD	KLVDFTNM	KLVDFTOK
KLVDFTOL	KLVDFTOP	KLVDFTOT	KLVDFTPT	KLVDFTPX	KLVDFTQY
KLVDFTR	KLVDFTRE	KLVDFTRM	KLVDFTSK	KLVDFTSN	KLVDFTSO
KLVDFTSR	KLVDFTST	KLVDFTSV	KLVDFTTP	KLVDFTVC	KLVDFULD
KLVDFUNP	KLVDFVAL	KLVDFVAM	KLVDFVER	KLVDFVGT	KLVDFVPT
KLVDFVRM	KLVDFVSM	KLVDFWAI	KLVDFWIS	KLVDFWTO	KLVDFX2D
KLVDMATR	KLVDMBDY	KLVDMCLI	KLVDMCLX	KLVDMCLY	KLVDMCLZ
KLVDMDEC	KLVDMDTM	KLVDMLEX	KLVDMLIO	KLVDMLU1	KLVDMLU2
KLVDMPIN	KLVDMPMD	KLVDMPSM	KLVDMVRX	KLVDMVSR	KLVDMVTR
KLVDSCS	KLVDST	KLVDTWX	KLVDYNTB	KLVD327D	KLVESTAE
KLVESTA2	KLVESTA3	KLVEST00	KLVEVNDE	KLVEXDED	KLVGTRAP
KLVHSMD	KLVHSMX	KLVICNDE	KLVINBF	KLVINCLU	KLVINCRY
KLVINDM	KLVINGLK	KLVINHSM	KLVINMSG	KLVINNAF	KLVINNAM
KLVINPSM	KLVINRLM	KLVINRTM	KLVINSNS	KLVINSSI	KLVINSTG
KLVINTB	KLVINVAM	KLVINVLG	KLVINVPO	KLVINVPR	KLVINVSM
KLVINVTM	KLVIOCON	KLVIOCO2	KLVIODED	KLVIONAF	KLVIOVLG
KLVLAR24	KLVLAR31	KLVLGWTR	KLVLIM	KLVLRM	KLVLUNDE
KLVNAMEV	KLVNAMRL	KLVNAMRV	KLVOMGET	KLVOMPUT	KLVOPAS

Figure 48 (Page 16 of 34). SMP/E Elements Not Selected					
KLVOPAT	KLVOPATP	KLVOPBAT	KLVOPCLS	KLVOPDED	KLVOPDLG
KLVOPDSP	KLVOPDTR	KLVOPECH	KLVOPEVR	KLVOPE67	KLVOPFSH
KLVOPFWD	KLVOPGTF	KLVOPGTR	KLVOPLGF	KLVOPLGN	KLVOPLNK
KLVOPMAP	KLVOPMON	KLVOPMVS	KLVOPNAM	KLVOPNDE	KLVOPNTD
KLVOPOPN	KLVOPOPR	KLVOPPRO	KLVOPPRT	KLVOPPSM	KLVOPQHS
KLVOPREF	KLVOPRTM	KLVOPSHD	KLVOPSNA	KLVOPSND	KLVOPSTA
KLVOPSTK	KLVOPSTO	KLVOPTDB	KLVOPTIM	KLVOPTLG	KLVOPTRC
KLVOPVLG	KLVOPVPO	KLVOPVPP	KLVOPVPQ	KLVOPVPR	KLVOPVSM
KLVOPVTM	KLVOQVSM	KLVPMBLD	KLVPMDET	KLVPMERM	KLVPMERP
KLVPMICM	KLVPMQRY	KLVPMRTM	KLVPMSEM	KLVPMSM0	KLVPMSM1
KLVPMSRM	KLVPMTCK	KLVPMWSC	KLVPMXQA	KLVPM02I	KLVPM02R
KLVPM02W	KLVRMSVR	KLVRTETE	KLVRTNPM	KLVRTNPR	KLVRTSRV
KLVSTMON	KLVSTWTO	KLVST100	KLVST150	KLVST200	KLVST300
KLVST400	KLVST500	KLVST600	KLVTBHLP	KLVTBIO	KLVTBMGR
KLVTBPRM	KLVTBSCN	KLVTBSRT	KLVTBTRE	KLVTRBQM	KLVVPIMM
KLVVPMIS	KLVVPORC	KLVVPOSC	KLVVPSOS	KLVVPVRL	KLVVSSTM
KLVVSXLE	KLVVSXSY	KLVVSXUP	KLVVTAPI	KLVVTBND	KLVVTCLR
KLVVTICM	KLVVTOCM	KLVVTSIM	KLVVTSM0	KLVVTSM1	KLVVTSNS
KLVVTSSM	KLVVTXDF	KLVVTXLE	KLVVTXLG	KLVVTXLT	KLVVTXNS
KLVVTXRL	KLVVTXRP	KLVVTXSC	KLVVTXSY	KLVVTXTP	KLVWAIT
KLVXCCLO	KLVXCFND	KLVXCGET	KLVXCLOC	KLVXCOPN	KLVXCPUT
KLVXCQGM	KLVXCQGR	KLXI	KLXI@CLO	KLXI@DRO	KLXI@FMT
KLXI@IPM	KLXI@OPE	KLXI@RST	KLXI@TRA	KLXI@USE	KLXIACCE
KLXIBIND	KLXICLOS	KLXICONN	KLXIFRAI	KLXIGHNA	KLXIGPNA
KLXIGSNA	KLXIGSOP	KLXIGTAI	KLXIGTNI	KLXIHPAE	KLXIHPUE
KLXIIOCT	KLXILIST	KLXINTCP	KLXIRECV	KLXISEND	KLXISHUT
KLXISLCT	KLXISLIH	KLXISOCK	KLXISSOP	KLXLIB	KLXN
KLXNBPX1	KLXNEXED	KLXNEXER	KLXNGLBD	KLXNLLBD	KLXNOPLB
KLXPCREA	KLXPENLA	KLXPERRN	KLXPEXLA	KLXPINIT	KLXPPOST
KLXPPRAD	KLXPTEST	KLXPTHAD	KLXPWAIT	KLXT	KLXTCANC
KLXTCLPO	KLXTCLPU	KLXTCOBR	KLXTCODE	KLXTCOIN	KLXTCOSI
KLXTCOTW	KLXTCOWA	KLXTEXIT	KLXTHRCR	KLXTHRDE	KLXTHRJO
KLXTKEYC	KLXTKEYG	KLXTKEYS	KLXTKILL	KLXTMXDE	KLXTMXIN

Figure 48 (Page 17 of 34). SMP/E Elements Not Selected					
KLXTMXLO	KLXTMXTR	KLXTMXUN	KLXTSELF	KLXTSETI	KLXTSETT
KLXTTEST	KLXTYIEL	KMCAHELP	KMCCMDLB	KMCJPU1C	KMCJPU1P
KMCJPU1S	KMCPRMLB	KMQACICP	KMQACISY	KMQACTSY	KMQAGAX
KMQAGENT	KMQAGQMS	KMQAGTIF	KMQAGTNS	KMQAHELP	KMQAMEMT
KMQAMHSD	KMQAMHSE	KMQAMHST	KMQAMHSY	KMQAMQSA	KMQAMQSB
KMQAMQSC	KMQAMQSY	KMQAMQS2	KMQAMQS3	KMQAMQS4	KMQAMQS5
KMQAMQS6	KMQAMQS8	KMQAMQS9	KMQANODE	KMQAPCOX	KMQAPDSY
KMQAPDTI	KMQAPDTP	KMQAPDTR	KMQAPPCD	KMQAPPDX	KMQAPPLD
KMQAPPRS	KMQAPPSH	KMQAPPS2	KMQAPPS3	KMQAPPZD	KMQAPQCD
KMQAPQDX	KMQAPQLD	KMQAPQLS	KMQAPQRS	KMQAPQZD	KMQAPSHD
KMQAPTDP	KMQAPTLD	KMQAPTLS	KMQAPTRS	KMQASSIN	KMQATR
KMQBAR	KMQCAT	KMQCHAUD	KMQCHLAX	KMQCHLD1	KMQCHLD2
KMQCHLHD	KMQCHLHL	KMQCHLHS	KMQCHLH1	KMQCHLH2	KMQCHLID
KMQCHLIS	KMQCHLNS	KMQCHLRL	KMQCHLRS	KMQCHLR1	KMQCHLR2
KMQCHLSC	KMQCHLSD	KMQCHLSL	KMQCHLSN	KMQCHLSX	KMQCHLS1
KMQCHLS2	KMQCHLS3	KMQCHLS4	KMQCHLX	KMQCHNRS	KMQCH1S1
KMQCH2S2	KMQCLAX	KMQCLCX	KMQCLPTD	KMQCLQMS	KMQCLXMX
KMQCMDLB	KMQCMDSC	KMQCMDSX	KMQCMDXX	KMQCPQMI	KMQCPTDI
KMQDLQAS	KMQDLQFS	KMQDLQLS	KMQDLQOP	KMQDLQOX	KMQDLQQX
KMQDLQTS	KMQDLQVX	KMQDOC	KMQGQUES	KMQHISTC	KMQHLP20
KMQHLP21	KMQH0002	KMQH0004	KMQH0005	KMQH0008	KMQH0010
KMQH0011	KMQH0014	KMQH0015	KMQH0017	KMQH0019	KMQH0021
KMQH0024	KMQH0025	KMQH0026	KMQH0027	KMQH0028	KMQH0030
KMQH0031	KMQH0032	KMQH0033	KMQH0039	KMQH0040	KMQH0042
KMQH0045	KMQH0050	KMQH0052	KMQH0053	KMQH0054	KMQH0055
KMQH0057	KMQH0060	KMQH0061	KMQH0062	KMQH0066	KMQH0068
KMQH0070	KMQH0071	KMQH0072	KMQH0073	KMQH0074	KMQH0075
KMQH0076	KMQH0077	KMQH0078	KMQH0079	KMQH0080	KMQH0081
KMQH0082	KMQH0085	KMQH0086	KMQJPU1C	KMQJPU1P	KMQJPU1S
KMQJSALO	KMQJSLOD	KMQJSSYS	KMQJSTMS	KMQJSTPS	KMQJSTPW
KMQJSUPV	KMQLHMMD	KMQLHMMS	KMQMAP	KMQMLBPD	KMQMLBPS
KMQMQCMD	KMQMQDSX	KMQMQMSG	KMQMSAF	KMQMSBMD	KMQMSBPD
KMQMSHMD	KMQMSHMS	KMQMSLMD	KMQMSLSX	KMQMSMAN	KMQMSMMD

Figure 48 (Page 18 of 34). SMP/E Elements Not Selected					
KMQNAMLS	KMQNAV12	KMQORGPR	KMQPDICT	KMQPGMSG	KMQPGSDX
KMQPGSHD	KMQPGSHS	KMQPGSRD	KMQPGSTD	KMQPLSBD	KMQPLSB2
KMQPLSB3	KMQPLTPD	KMQPLTPS	KMQPLTP2	KMQPRMLB	KMQPSBPS
KMQPSFLT	KMQPSSBD	KMQPSSB2	KMQPSSB3	KMQPSTPD	KMQPSTPS
KMQPSTP2	KMQQACT	KMQQACTX	KMQQGCFS	KMQQGCHS	KMQQGCZX
KMQQGQUS	KMQQLTTS	KMQQMACL	KMQQMACS	KMQQMARE	KMQQMGAF
KMQQMGAS	KMQQMGFS	KMQQMGLS	KMQQMGOP	KMQQMGOX	KMQQMGR
KMQQMGTS	KMQQMGVX	KMQQMJBX	KMQQMSCS	KMQQMSD	KMQQMSSP
KMQQMSTD	KMQQMSTH	KMQQMSTZ	KMQQNBR	KMQQSGS	KMQQUBPS
KMQQUEBD	KMQQUEBS	KMQQUECS	KMQQUEHS	KMQQUELS	KMQQUERD
KMQQUERR	KMQQUERS	KMQQUESD	KMQQUESL	KMQQUESS	KMQQUPGS
KMQQUTSS	KMQQUTSX	KMQQUTTS	KMQQXMTD	KMQQXMTR	KMQQXMTS
KMQQXMTX	KMQSITES	KMQSMDCD	KMQSMDHD	KMQSMDSD	KMQSMDSR
KMQSMDSS	KMQSMDST	KMQSTAGS	KMQSTART	KMQSTLIS	KMQSTQHO
KMQSTQMS	KMQSTQM2	KMQSTQSG	KMQSTRTI	KMQSTRTX	KMQSTTBT
KMQSYSP	KMQTACMD	KMQTAMSG	KMQTHRDI	KMQTHRSH	KMQTIME
KMQTOPHD	KMQTOPHS	KMQTOPIS	KMQVRTMS	KMQWEVFE	KMQWEVLE
KMQWMQED	KMQWMQEG	KMQWMQEH	KMQWMQEL	KMQWMQES	KMQWMQET
KMQWMQEV	KMQWMQEX	KMQZDI1I	KMQZDI1J	KMSCAT	KMSCMS
KMSIDOBJ	KMSISITF	KMSMSENU	KMSUPG	KMVAHELP	KM2AHELP
KM2APII2	KM2DASDP	KM2DATA	KM2PROBE	KM2RMFLV	KM2RULES
KM2SS2C2	KM3INPRB	KM3WAIOL	KM3WANQL	KM3WASPE	KM3WASPL
KM3WCLAL	KM3WIAML	KM3WPRDE	KM3WPRDL	KM3WPRTL	KM3WSEGE
KM3WWRKL	KM5AG1	KM5AG2	KM5AHELP	KM5ASA8H	KM5ASPO
KM5ASPS2	KM5ASPS5	KM5ASPS6	KM5ASPS9	KM5ASP1H	KM5ASP3H
KM5ASP4H	KM5ASP5H	KM5ASP6H	KM5ASP7H	KM5ASP8	KM5ASP8D
KM5ASP8H	KM5ATR	KM5BAR	KM5CAT	KM5CFSO	KM5CFSO2
KM5CFSO3	KM5CFSO4	KM5CFSO5	KM5CFSO6	KM5CMDLB	KM5CPCDH
KM5CPCD2	KM5CPCO	KM5CPC1H	KM5CPC2H	KM5CPUS	KM5CSFCC
KM5CSFSX	KM5DJDTH	KM5DOC	KM5DRDTH	KM5DRSMH	KM5EADMH
KM5ENCS3	KM5ENQO	KM5ENQS2	KM5ENQS4	KM5EXIT3	KM5EXIT4
KM5HCSTS	KM5HDDS	KM5HISTC	KM5H0001	KM5H0002	KM5H0003
KM5H0004	KM5H0005	KM5H0006	KM5H0007	KM5H0008	KM5H0009

Figure 48 (Page 19 of 34). SMP/E Elements Not Selected					
KM5H0010	KM5H0011	KM5H0012	KM5H0013	KM5H0014	KM5H0015
KM5H0016	KM5H0017	KM5H0018	KM5H0019	KM5H0020	KM5H0021
KM5H0022	KM5H0023	KM5H0024	KM5H0025	KM5H0026	KM5H0027
KM5H0028	KM5H0029	KM5H0030	KM5H0031	KM5H0032	KM5H0033
KM5H0034	KM5H0035	KM5H0036	KM5H0037	KM5H0038	KM5H0039
KM5H0040	KM5H0041	KM5H0042	KM5H0043	KM5H0044	KM5H0045
KM5H0046	KM5H0047	KM5H0048	KM5H0049	KM5H0050	KM5H0051
KM5H0052	KM5H0053	KM5H0054	KM5H0055	KM5H0056	KM5H0057
KM5H0058	KM5H0059	KM5H0060	KM5H0061	KM5H0062	KM5H0063
KM5H0064	KM5H0065	KM5H0066	KM5H0067	KM5H0068	KM5H0069
KM5H0070	KM5H0071	KM5H0072	KM5H0073	KM5H0074	KM5H0075
KM5H0076	KM5H0077	KM5H0078	KM5H0079	KM5H0080	KM5H0081
KM5H0082	KM5H0083	KM5H0084	KM5H0085	KM5H0086	KM5H0087
KM5H0088	KM5H0089	KM5H0090	KM5H0091	KM5H0092	KM5H0093
KM5H0094	KM5H0095	KM5H0096	KM5H0097	KM5H0098	KM5H0099
KM5H0100	KM5H0101	KM5H0102	KM5H0103	KM5H0104	KM5H0105
KM5H0106	KM5H0107	KM5H0108	KM5H0109	KM5H0110	KM5H0111
KM5H0112	KM5H0113	KM5H0114	KM5H0115	KM5H0116	KM5H0117
KM5H0118	KM5H0119	KM5H0120	KM5H0121	KM5H0122	KM5H0123
KM5H0124	KM5H0125	KM5H0126	KM5H0127	KM5H0128	KM5H0129
KM5H0130	KM5H0131	KM5H0132	KM5H0133	KM5H0134	KM5INDEX
KM5JES	KM5JESP	KM5JPU1C	KM5JPU1P	KM5JPU1S	KM5JSALO
KM5JSLOD	KM5JSSEC	KM5JSSYS	KM5JSTMS	KM5JSTPS	KM5JSTPW
KM5JSUPV	KM5LPRDH	KM5LPRD2	KM5LPROM	KM5LPRO3	KM5LPRO4
KM5LPRS	KM5LPRS2	KM5LPR1H	KM5MAP	KM5MSMAN	KM5MSUO
KM5MT2S	KM5NAV12	KM5PCI1D	KM5PCI1H	KM5PCI1S	KM5PCI3D
KM5PCI3H	KM5PCI3S	KM5PCI4D	KM5PCI4H	KM5PCI4S	KM5PDICT
KM5PLXO	KM5PRMLB	KM5RCDS	KM5RCDS2	KM5RCD2D	KM5RGDO
KM5RGDOS	KM5RGDOT	KM5RGDO1	KM5RGDO2	KM5RGD0H	KM5RGD1H
KM5RGD3H	KM5RGD4H	KM5RGD5H	KM5RGD7H	KM5RMFC	KM5SCMC
KM5SCMCH	KM5SCMD	KM5SCMH1	KM5SCMH2	KM5SEXIT	KM5SPDAS
KM5STGO2	KM5STGSA	KM5STGSB	KM5STGSD	KM5STGSJ	KM5STGSK
KM5STGS3	KM5STGS5	KM5STG1H	KM5STRTI	KM5STRTM	KM5SYSMN

Figure 48 (Page 20 of 34). SMP/E Elements Not Selected					
KM5TGD01	KM5TGD02	KM5THRSH	KM5TOPC	KM5UBVH	KM5UBVS
KM5UCPS	KM5UCPS2	KM5UCPS3	KM5ULUS	KM5UMFP	KM5UMFS
KM5UPDS	KM5UPS3	KM5UPS5	KM5UPS6	KM5UPUS	KM5USS
KM5VER	KM5VLKD	KM5VRTMS	KM5WRCD	KM5WRCOX	KM5WRCS
KM5WRX1D	KM5WRX1S	KM5WRX2D	KM5WRX2S	KM5WSCBH	KM5WSCCH
KM5WSCDH	KM5WSCED	KM5WSCO	KM5WSCOH	KM5WSCOX	KM5WSCO4
KM5WSCS	KM5WSCS4	KM5WSCXH	KM5WSX1D	KM5WSX1S	KM5WSX2D
KM5WSX2S	KM5XCFO	KM5XCFO3	KM5ZFSS	KNAAHELP	KNACMDLB
KNAJPU1C	KNAJPU1P	KNAJPU1S	KNAJSALO	KNAJSSYS	KNAJSUPV
KNAPRMLB	KNS	KNSNLS2	KN3AAAES	KN3AAAPI	KN3AAARM
KN3AABEG	KN3AABPA	KN3AABPC	KN3AABPD	KN3AABPE	KN3AABPG
KN3AABPI	KN3AABPS	KN3AACT	KN3AADRE	KN3AADRV	KN3AADV2
KN3AAERE	KN3AAIDQ	KN3AAINI	KN3AAINQ	KN3AAINS	KN3AAIP
KN3AAIPC	KN3AAIPG	KN3AAIPL	KN3AAIPN	KN3AAIPS	KN3AAIRG
KN3AAIS	KN3AAIUC	KN3AAIUG	KN3AAIUL	KN3AAIUN	KN3AAIUR
KN3AAIUS	KN3AAIWF	KN3AANCC	KN3AANIP	KN3AANUI	KN3AANXP
KN3AANXX	KN3AAOP	KN3AAOPD	KN3AAOPF	KN3AAOPG	KN3AAOPN
KN3AAOPT	KN3AAOPV	KN3AAPDQ	KN3AAPER	KN3AAPNQ	KN3AARFW
KN3AARIP	KN3AARSS	KN3AASMD	KN3AASMG	KN3AATCC	KN3AATIP
KN3AATLC	KN3AATMG	KN3AATMS	KN3AATNC	KN3AATOD	KN3AATPC
KN3AATPX	KN3AATUI	KN3AAUDQ	KN3AAUNQ	KN3AAVAA	KN3AAVAI
KN3AAVAP	KN3AAVAQ	KN3AAVAR	KN3AAVAS	KN3AAVAT	KN3AAVEC
KN3AAVIO	KN3AAVRC	KN3AAXPB	KN3AAXPC	KN3AAXPG	KN3AAXPL
KN3AAXPN	KN3AAXPS	KN3AAXPV	KN3AAXSW	KN3AAXWF	KN3AAXWG
KN3ABAPI	KN3ABCAL	KN3ABCRB	KN3ABHEX	KN3ABLKE	KN3ABLKU
KN3ABLOC	KN3ABONA	KN3ABRAD	KN3ABRCB	KN3ABRCD	KN3ABRCE
KN3ABRCF	KN3ABRCN	KN3ABRCP	KN3ABRCR	KN3ABRCS	KN3ABRCT
KN3ABRDL	KN3ABRDR	KN3ABRSM	KN3ABSNP	KN3ABSPO	KN3ABSVT
KN3ABTOD	KN3ABT4D	KN3ABUWI	KN3ABUWR	KN3ABVEC	KN3ABXMS
KN3ACAA	KN3ACAB	KN3ACAC	KN3ACAD	KN3ACAE	KN3ACAF
KN3ACAG	KN3ACAI	KN3ACAJ	KN3ACAL	KN3ACAM	KN3ACAR
KN3ACAS	KN3ACAT	KN3ACAU	KN3ACBA	KN3ACBE	KN3ACBI
KN3ACBJ	KN3ACBR	KN3ACBS	KN3ACBU	KN3ACCZ	KN3ACE1

Figure 48 (Page 21 of 34). SMP/E Elements Not Selected					
KN3ACE2	KN3ACE3	KN3ACIB	KN3ACIC	KN3ACIN	KN3ACIV
KN3ACLA	KN3ACLT	KN3ACNC	KN3ACPC	KN3ACPM	KN3ACRA
KN3ACRB	KN3ACRD	KN3ACRG	KN3ACRH	KN3ACRI	KN3ACRL
KN3ACRP	KN3ACRR	KN3ACRT	KN3ACRU	KN3ACRV	KN3ACRX
KN3ACRY	KN3ACRZ	KN3ACSOS	KN3ACTCA	KN3ACTCB	KN3ACTCC
KN3ACTCD	KN3ACTCE	KN3ACTCF	KN3ACTCG	KN3ACTCH	KN3ACTCI
KN3ACTCJ	KN3ACTCK	KN3ACTCM	KN3ACTCO	KN3ACTCP	KN3ACTCQ
KN3ACTCR	KN3ACTCT	KN3ACTC0	KN3ACTC1	KN3ACTC2	KN3ACTC3
KN3ACTC4	KN3ACTC5	KN3ACTC6	KN3ACTC8	KN3ACTC9	KN3ACTD
KN3ACTDI	KN3ACTDS	KN3ACTDT	KN3ACTFP	KN3ACTM	KN3ACTMN
KN3ACTMO	KN3ACTM2	KN3ACTN	KN3ACTNM	KN3ACTN1	KN3ACTN2
KN3ACTP	KN3ACTR	KN3ACTS	KN3ACTSI	KN3ACTS1	KN3ACTS2
KN3ACTT	KN3ACTTR	KN3ACTV1	KN3ACTV3	KN3ACT1	KN3ACT2
KN3ACT3	KN3ACT4	KN3ACVC6	KN3ACVL	KN3ACVM	KN3ACVP
KN3ACVR	KN3ACVS	KN3ACVU	KN3ACV2	KN3ACXC	KN3ACXE
KN3ACXI	KN3ACXO	KN3ACXW	KN3AFACT	KN3AFNDM	KN3AFNUT
KN3AGAMS	KN3AGCMP	KN3AGENT	KN3AGFPF	KN3AGLOD	KN3AGNPB
KN3AGNSB	KN3AGNTS	KN3AGRRT	KN3AGRSS	KN3AGSRC	KN3AGVAA
KN3AHCF0	KN3AHCF3	KN3AHELP	KN3AHEM0	KN3AHEM3	KN3AHEV0
KN3AHEV3	KN3AHFCH	KN3AHFCI	KN3AHFD1	KN3AHFD2	KN3AHFD3
KN3AHFPF	KN3AHFT1	KN3AHFT2	KN3AHFT3	KN3AHLOD	KN3AHNDM
KN3AHNPB	KN3AHNTS	KN3AHNTX	KN3AHOF0	KN3AHOF3	KN3AHRRT
KN3AHSRC	KN3AHTRM	KN3AHVAA	KN3AHWEL	KN3AITDC	KN3AITDD
KN3AITDE	KN3AITDF	KN3AITDI	KN3AITDS	KN3AITXB	KN3AITXH
KN3AITXI	KN3AITXP	KN3AITXR	KN3AITXS	KN3AJCD	KN3AJFR
KN3AJLV	KN3AJSC	KN3AJTA	KN3AJTC	KN3AKAF	KN3AKAR
KN3AKAS	KN3AKBG	KN3AKBI	KN3AKBS	KN3AKBU	KN3AKCB
KN3AKDC	KN3AKDE	KN3AKFE	KN3AKGC	KN3AKHN	KN3AKHT
KN3AKLI	KN3AKMV	KN3AKNA	KN3AKNI	KN3AKNT	KN3AKNX
KN3AKPV	KN3AKRE	KN3AKRF	KN3AKRG	KN3AKRH	KN3AKRL
KN3AKRM	KN3AKRN	KN3AKRO	KN3AKRQ	KN3AKRS	KN3AKRT
KN3AKRU	KN3AKRV	KN3AKRW	KN3AKRX	KN3AKSL	KN3AKSR
KN3AKTL	KN3AKTM	KN3AKTR	KN3AKTRP	KN3AKTR2	KN3AKT1

Figure 48 (Page 22 of 34). SMP/E Elements Not Selected					
KN3AKT2	KN3AKVT	KN3AKXF	KN3AKXG	KN3AKXH	KN3AKXS
KN3AKXV	KN3ALFR	KN3ALLK	KN3ALPM	KN3ALRST	KN3ALSP
KN3ALSPO	KN3ALSV	KN3ALUD	KN3ALUL	KN3ALVR	KN3ALVT
KN3AMCFE	KN3AMCFR	KN3AMCGM	KN3AMCPP	KN3AMCRM	KN3AMCSR
KN3AMVPX	KN3ANAPF	KN3ANIDS	KN3ANINS	KN3ANLDI	KN3ANLDR
KN3ANMLM	KN3ANMVS	KN3ANNDL	KN3ANPD	KN3ANPM	KN3ANPWK
KN3ANRCI	KN3ANRCX	KN3ANREM	KN3ANSPI	KN3ANSPM	KN3ANSPN
KN3ANSPR	KN3ANSUI	KN3ANSUR	KN3ANUSI	KN3ANUSR	KN3ANVTM
KN3APAS	KN3APDEQ	KN3APENQ	KN3APID	KN3APIS	KN3APKEY
KN3APRM	KN3APRMT	KN3APSD	KN3APSS	KN3APSTT	KN3APTR
KN3APTXE	KN3APXS	KN3APZAP	KN3ATR	KN3ATVCL	KN3ATVCU
KN3ATVEX	KN3ATVMR	KN3ATVOP	KN3ATVRE	KN3ATVRR	KN3ATVST
KN3ATVTE	KN3ATVTP	KN3AYDSD	KN3AYDSP	KN3AYDSS	KN3AYFCV
KN3AYOCH	KN3AYOLP	KN3AYOPO	KN3AYRAG	KN3AYRAN	KN3AYTAP
KN3AYTAS	KN3AYTCO	KN3AYTDV	KN3AYTGA	KN3AYTGW	KN3AYTIF
KN3AYTLK	KN3AZAV	KN3AZBV	KN3AZCV	KN3AZD1A	KN3AZD1B
KN3AZD1C	KN3AZD1D	KN3AZD1E	KN3AZD1F	KN3AZD1G	KN3AZD2A
KN3AZD2B	KN3AZD2C	KN3AZD2D	KN3AZD2E	KN3AZD2F	KN3AZD2G
KN3AZD4A	KN3AZD4B	KN3AZJV	KN3AZKV	KN3AZLV	KN3AZMV
KN3AZNV	KN3AZPRM	KN3AZPV	KN3BAR	KN3CAT	KN3CMDLB
KN3DATA	KN3DOC	KN3ENTMN	KN3ENTM2	KN3ENTOM	KN3ENTTM
KN3ENTVT	KN3FNDC	KN3FNDFS	KN3FNDFT	KN3FNDM	KN3FNDMS
KN3FNDTN	KN3GICO	KN3GTCD	KN3HISTC	KN3H0001	KN3H0002
KN3H0003	KN3H0004	KN3H0005	KN3H0006	KN3H0007	KN3H0008
KN3H0009	KN3H0010	KN3H0011	KN3H0012	KN3H0013	KN3H0014
KN3H0015	KN3H0016	KN3H0017	KN3H0018	KN3H0019	KN3H0020
KN3H0021	KN3H0022	KN3H0023	KN3H0024	KN3H0025	KN3H0026
KN3H0027	KN3H0028	KN3H0029	KN3H0030	KN3H0031	KN3H0032
KN3H0033	KN3H0034	KN3H0035	KN3H0036	KN3H0037	KN3H0038
KN3H0039	KN3H0040	KN3H0041	KN3H0042	KN3H0043	KN3H0044
KN3H0045	KN3H0046	KN3H0047	KN3H0048	KN3H0049	KN3H0050
KN3H0051	KN3H0052	KN3H0053	KN3H0054	KN3H0055	KN3H0056
KN3H0057	KN3H0058	KN3H0059	KN3H0060	KN3H0061	KN3H0062

Figure 48 (Page 23 of 34). SMP/E Elements Not Selected					
KN3H0063	KN3H0064	KN3H0065	KN3H0066	KN3H0067	KN3H0068
KN3H0069	KN3H0070	KN3H0071	KN3H0072	KN3H0073	KN3H0074
KN3H0075	KN3H0076	KN3H0077	KN3H0078	KN3H0079	KN3H0080
KN3H0081	KN3H0082	KN3H0083	KN3H0084	KN3H0085	KN3H0086
KN3H0087	KN3H0088	KN3H0089	KN3H0090	KN3H0091	KN3H0092
KN3H0093	KN3H0094	KN3IFSD	KN3IFSO	KN3IFSO2	KN3IFSO3
KN3INDEX	KN3JPU1C	KN3JPU1P	KN3JPU1S	KN3JSALO	KN3JSLNK
KN3JSSYS	KN3JSTMS	KN3JSTPS	KN3JSTPW	KN3JSUPV	KN3LLIST
KN3MAP	KN3MEMO	KN3MSMAN	KN3PDICT	KN3PRMLB	KN3SMCI
KN3SMCO	KN3SMCO1	KN3SMCO2	KN3SMC1G	KN3SMC1I	KN3SMC1L
KN3SMC2I	KN3SMC2L	KN3STRTH	KN3STRTI	KN3TAB1	KN3TAERR
KN3TAPD	KN3TAPO	KN3TAP1H	KN3TASD	KN3TASO	KN3TCIO
KN3TCLI	KN3TCLO	KN3TCLO2	KN3TCLS	KN3TCLS3	KN3TCPD
KN3TCZD	KN3TCZD1	KN3TCZD2	KN3TCZD3	KN3TCZD4	KN3TCZO
KN3TCZO1	KN3TCZO2	KN3TCZO3	KN3TCZO4	KN3THES	KN3THES2
KN3VARS	KN3VRTMS	KN341HC	KN341HCA	KN341HCB	KN341HCC
KN341HCD	KN341HI	KN341HIA	KN341HIB	KN341HIC	KN341HID
KN341HJ	KN341HJA	KN341HJB	KN341HJC	KN341HJD	KN341HT
KN341HTA	KN341H1	KN341H1A	KN341H1B	KN341H1C	KN341H2
KN341H2A	KN341H2B	KN341H2C	KN341H3	KN341H3A	KN341H3B
KN341H4	KN341H4A	KN341H4B	KN341H4C	KN341H4D	KN341H5
KN341H5A	KN341H5B	KN341H6	KN341H6A	KN341H6B	KN342HK
KN342HKA	KN342HKB	KN342HKC	KN342HKD	KN342H3	KN342H3A
KN342H3B	KN37SCD	KN37SED	KN37SEO	KN37SPD	KN37SSD
KN37STD	KOB$VERT	KOBABOUT	KOBAG2	KOBAHELP	KOBALTCK
KOBBASEM	KOBBCM1M	KOBBLOGM	KOBBMSGM	KOBBR##M	KOBCALLM
KOBCATTC	KOBCBLK$	KOBCBLK@	KOBCBLKQ	KOBCENV$	KOBCENV@
KOBCENVG	KOBCENVV	KOBCFGAP	KOBCIDSM	KOBCIFCM	KOBCIFEM
KOBCIGCM	KOBCIGEM	KOBCIGLM	KOBCIIAR	KOBCIIDR	KOBCIIPM
KOBCIIRR	KOBCIITM	KOBCIIUM	KOBCIOBE	KOBCIOST	KOBCIPRR
KOBCIROM	KOBCISDR	KOBCISRM	KOBCITRM	KOBCJUMP	KOBCLOCK
KOBCMAP$	KOBCMAP@	KOBCMAPI	KOBCMDDM	KOBCMDLB	KOBCMDVM
KOBCRACF	KOBCSART	KOBCSOC$	KOBCSOC@	KOBCSOCK	KOBCSTIO

Figure 48 (Page 24 of 34). SMP/E Elements Not Selected					
KOBCSTLB	KOBCSTRN	KOBCTHR$	KOBCTHR@	KOBCTHRD	KOBCTIME
KOBCTRAC	KOBCTREE	KOBCTYPE	KOBCUA	KOBCUNIS	KOBCUST
KOBCUXIO	KOBCVSTG	KOBCWTOL	KOBCZDIO	KOBDATA1	KOBDELFM
KOBDEV#T	KOBDFMTM	KOBDIR#T	KOBDSPCT	KOBDSQZM	KOBENUS
KOBENV#T	KOBERROR	KOBESAIS	KOBEXCDM	KOBFILTD	KOBFILTH
KOBFILTN	KOBFILTS	KOBGATW0	KOBGDEL2	KOBGDFNM	KOBGEN1W
KOBGROUP	KOBGWCND	KOBGWCV$	KOBGWCV#	KOBGWCV@	KOBGWCVA
KOBGWLPA	KOBGWOBV	KOBGWRE$	KOBGWRE@	KOBGWREG	KOBHASH1
KOBHBCOL	KOBHBDRA	KOBHBGET	KOBHBHDR	KOBHBMSL	KOBHBMSN
KOBHBSTO	KOBHBTPO	KOBHBUSE	KOBHELP	KOBHISB1	KOBHISB2
KOBHISB3	KOBHISNR	KOBHISN1	KOBHISN2	KOBHISTB	KOBHISTC
KOBHISTD	KOBHISTL	KOBHLCMD	KOBHLDIR	KOBHLNAV	KOBHLPDF
KOBHLPFK	KOBHLPMT	KOBHLPRR	KOBHLRTT	KOBHTTP$	KOBHTTP#
KOBHTTP@	KOBHTTPL	KOBHTTPS	KOBHTTPW	KOBHUBCK	KOBHUBMP
KOBHUBM1	KOBHUBPR	KOBHUBS	KOBHUB01	KOBHUB02	KOBHUB03
KOBHUB04	KOBHUB05	KOBHUB06	KOBHUB07	KOBHUB08	KOBHUB10
KOBHUB12	KOBHUB2M	KOBHUB8M	KOBH0011	KOBH0012	KOBICMDM
KOBICM1M	KOBICM2M	KOBICM3M	KOBILCSM	KOBILC1M	KOBINITM
KOBINPWM	KOBINP20	KOBINT#M	KOBINTXT	KOBINT1M	KOBINT2T
KOBIPRFM	KOBIPROM	KOBISSSM	KOBITMLG	KOBIVCMM	KOBJAP0
KOBJCA0	KOBJCC0	KOBJCD0	KOBJCG0	KOBJCI0	KOBJCM0
KOBJCR0	KOBJCT0	KOBJCW0	KOBJCX0	KOBJLF	KOBJLF00
KOBJLF01	KOBJLG0	KOBJMC0	KOBJMP0	KOBJMS0	KOBJMT0
KOBJPU1C	KOBJPU1P	KOBJPU1S	KOBJSALO	KOBJSLNK	KOBJSLOD
KOBJSSYS	KOBJSUPV	KOBJ640	KOBLEXCM	KOBLGINI	KOBLGSND
KOBLGSRV	KOBLGWTO	KOBLISTN	KOBLOFLT	KOBLOGCM	KOBLOGON
KOBLOG10	KOBMEMSA	KOBMOBEC	KOBMOBE1	KOBMODS	KOBMULTI
KOBM5IN1	KOBNAVE5	KOBOBVA$	KOBOBVA@	KOBOBVAP	KOBODAPP
KOBODCOL	KOBODENM	KOBODI	KOBODIL$	KOBODIL@	KOBODILD
KOBODISC	KOBODTAB	KOBODUTL	KOBOECC0	KOBOECC1	KOBOECC2
KOBOECC3	KOBOECC4	KOBOECC5	KOBOEDD0	KOBOEDD2	KOBOEDD3
KOBOEDN	KOBOEDN1	KOBOEDTF	KOBOEDT1	KOBOESB0	KOBOESB1
KOBOESB3	KOBOESD0	KOBOESD1	KOBOESE0	KOBOESE1	KOBOESE2

Figure 48 (Page 25 of 34). SMP/E Elements Not Selected					
KOBOESE3	KOBOESE6	KOBOESG0	KOBOESG1	KOBOESG2	KOBOESG3
KOBOESG4	KOBOESG5	KOBOESG6	KOBOESS3	KOBOESS4	KOBOMIOM
KOBO4SRV	KOBPDEVT	KOBPDHST	KOBPDSD	KOBPDSI0	KOBPEEKT
KOBPPRFM	KOBPRFIS	KOBPRFJS	KOBPRFND	KOBPRFPB	KOBPRFSA
KOBPRFSS	KOBPRFTB	KOBPRFVF	KOBPRFWN	KOBPRMLB	KOBPR2TB
KOBPR3TB	KOBREGAP	KOBREGR	KOBREGRF	KOBRMFAR	KOBRMFBR
KOBRMFCR	KOBRMF5X	KOBRMF6S	KOBRMF7S	KOBRMF8R	KOBRMF9R
KOBROUTM	KOBRRUI$	KOBRRUI@	KOBRRUIA	KOBRRWK$	KOBRRWK@
KOBRRWKR	KOBRSMGR	KOBRSMG1	KOBRXFMT	KOBRXFM0	KOBRXGCV
KOBRXGDR	KOBRXGM	KOBRXGM0	KOBRXPDR	KOBRXQRY	KOBRXSET
KOBRZFM0	KOBRZFNL	KOBRZGDM	KOBRZGDR	KOBRZGFC	KOBRZGM0
KOBRZGNV	KOBRZHSH	KOBRZHST	KOBRZLDR	KOBRZPDR	KOBRZSHW
KOBRZSNV	KOBRZVSR	KOBSAFX0	KOBSAFY0	KOBSCICS	KOBSCTG
KOBSDB2	KOBSEDAA	KOBSEDAB	KOBSEDAC	KOBSEDAD	KOBSEDAE
KOBSEDAF	KOBSEDAG	KOBSEDAP	KOBSEDAQ	KOBSEDAS	KOBSEDCB
KOBSEDCC	KOBSEDCN	KOBSEDCV	KOBSEDD2	KOBSEDD3	KOBSEDEA
KOBSEDEB	KOBSEDEC	KOBSEDED	KOBSEDEE	KOBSEDEF	KOBSEDEG
KOBSEDFE	KOBSEDGV	KOBSEDPA	KOBSEDPD	KOBSEDPJ	KOBSEDPK
KOBSEDPL	KOBSEDPM	KOBSEDPX	KOBSEDPZ	KOBSEDP0	KOBSEDP1
KOBSEDP2	KOBSEDP3	KOBSEDP5	KOBSEDP6	KOBSEDP7	KOBSEDP8
KOBSEDP9	KOBSEDSA	KOBSEDS0	KOBSEDTA	KOBSEDTD	KOBSEDTE
KOBSEDTF	KOBSEDTH	KOBSEDTN	KOBSEDTQ	KOBSEDTR	KOBSEDTU
KOBSEDTZ	KOBSEDT2	KOBSED1	KOBSED5A	KOBSED5B	KOBSED6A
KOBSED6B	KOBSED7A	KOBSED7B	KOBSED9A	KOBSED9B	KOBSELLM
KOBSEPAM	KOBSEUPM	KOBSEVTS	KOBSHART	KOBSHOWD	KOBSIMS
KOBSITD3	KOBSITD4	KOBSITFL	KOBSITLM	KOBSITMN	KOBSITS
KOBSITST	KOBSIT00	KOBSIT02	KOBSJVM	KOBSMFN	KOBSMQ
KOBSPATM	KOBSPAUM	KOBSPF#M	KOBSPSWM	KOBSPVTM	KOBSRBDM
KOBSSIM1	KOBSSNEW	KOBSSTOR	KOBSS03A	KOBSTATB	KOBSTBLD
KOBSTUBM	KOBSUB#M	KOBSUBET	KOBSUBXM	KOBSUB1M	KOBSUB2T
KOBSUB3M	KOBSUB4T	KOBSZOS	KOBTBAPP	KOBTCBFA	KOBTCBS
KOBTCCL$	KOBTCCLA	KOBTERMM	KOBTHRMT	KOBTHRSH	KOBTKJLF
KOBTRCUI	KOBTREET	KOBTREEU	KOBTREEZ	KOBTSO#M	KOBUICM0

Figure 48 (Page 26 of 34). SMP/E Elements Not Selected					
KOBUICS0	KOBUIEP0	KOBUIFD0	KOBUIGD0	KOBUIGL0	KOBUIGO0
KOBUIGP0	KOBUIGS0	KOBUIHL0	KOBUIHS0	KOBUILG0	KOBUILO0
KOBUIMA0	KOBUIMB0	KOBUIMC0	KOBUIMD0	KOBUIME0	KOBUIMG0
KOBUIML0	KOBUIM10	KOBUIM20	KOBUIM30	KOBUIM40	KOBUIM50
KOBUIM60	KOBUIM70	KOBUIM80	KOBUIM90	KOBUINI0	KOBUINTM
KOBUINV0	KOBUIPA0	KOBUIPS0	KOBUIPT0	KOBUISC0	KOBUISD0
KOBUITK0	KOBUITR0	KOBUIVI0	KOBUIVS0	KOBUIWG0	KOBUPFCM
KOBUPFDM	KOBUPFIM	KOBUPFSM	KOBUSER	KOBUSERD	KOBUSERS
KOBVDRVM	KOBVEXIM	KOBVGETM	KOBVINIM	KOBVLOGM	KOBVPUTM
KOBVTERM	KOBVTM1M	KOBVTSRM	KOBVUTLM	KOBVZAPM	KOBWIZNI
KOBWIZRD	KOBWIZTB	KOBWIZ01	KOBWZATB	KOBWZDGS	KOBWZDRG
KOBWZHUB	KOBWZTAB	KOBXACBM	KOBXASBT	KOBXGSWM	KOBXMEMS
KOBXMSDM	KOBXMZPM	KOB3270S	KOEEMCS	KOEVX07	KOIAM000
KOIAOEM0	KOIAOEN0	KOIAOEO0	KOIAOEP0	KOIAOERM	KOIAOE00
KOIAOX00	KOIAV000	KOICQC00	KOICRC00	KOICSC00	KOICTC00
KOICUC00	KOICVC00	KOICWC00	KOIDM0M0	KOIDM0N0	KOIDM0O0
KOIDM0P0	KOIDWKL	KOIEM0MQ	KOIEM0NQ	KOIEM0OQ	KOIEM0PQ
KOIEX0MQ	KOIEX0NQ	KOIEX0OQ	KOIEX0PQ	KOIFP0M0	KOIFP0N0
KOIFP0O0	KOIFP0P0	KOIGL000	KOIHLP	KOIIA000	KOIIB000
KOIIC00Q	KOIID0MQ	KOIID0NQ	KOIID0OQ	KOIID0PQ	KOIILGM0
KOIILGN0	KOIILGO0	KOIILGP0	KOIILGRM	KOIIMXM0	KOIIMXN0
KOIIMXO0	KOIIMXP0	KOIIPCM0	KOIIPCN0	KOIIPCO0	KOIIPCP0
KOIIPRM0	KOIIPRN0	KOIIPRO0	KOIIPRP0	KOIIP0M0	KOIIP0N0
KOIIP0O0	KOIIP0P0	KOIIR0M0	KOIIR0N0	KOIIR0O0	KOIIR0P0
KOIIS0M0	KOIIS0N0	KOIIS0O0	KOIIS0P0	KOIITKM0	KOIITKN0
KOIITKO0	KOIITKP0	KOIIT000	KOIIU000	KOIIV00Q	KOIMENU
KOIMI0MQ	KOIMI0NQ	KOIMI0OQ	KOIMI0PQ	KOIMLI00	KOIMON00
KOIMS0M0	KOIMS0N0	KOIMS0O0	KOIMS0P0	KOIOT0M0	KOIOT0N0
KOIOT0O0	KOIOT0P0	KOIPWIMQ	KOIPWINQ	KOIPWIOQ	KOIPWIPQ
KOIRG0MQ	KOIRG0NQ	KOIRG0OQ	KOIRG0PQ	KOISUPDI	KOITHRD
KOITHRDH	KOITHRS	KOITHRSH	KOITH0M0	KOITH0N0	KOITH0O0
KOITH0P0	KOITX0M0	KOITX0N0	KOITX0O0	KOITX0P0	KOIWKLD
KOIZINWS	KOIZMENU	KOLCCL	KOLOPS	KOLOPSSW	KOMAS5

Figure 48 (Page 27 of 34). SMP/E Elements Not Selected					
KOMAUTH5	KOMCACH	KOMCHNM5	KOMCMDT5	KOMCMSR5	KOMCPUM
KOMCSAA5	KOMDSN	KOMFMDX5	KOMFMOD5	KOMFNDU5	KOMHDSP5
KOMHEX5	KOMINSP	KOMLCPU	KOMLPAM5	KOMLPAX5	KOMMDEX5
KOMMISC5	KOMMPAG5	KOMMSCM5	KOMMSMT5	KOMNCLV5	KOMOMSG
KOMPART5	KOMPBM0	KOMPBM15	KOMPBM2	KOMPBM3	KOMPEEK
KOMPGRP5	KOMPQRY5	KOMPWAI5	KOMRACFX	KOMRMIR3	KOMRTA1
KOMSART5	KOMSCPU5	KOMSEEK5	KOMSRCT5	KOMSR24	KOMSTAT5
KOMSUPDI	KOMSYS5	KOMTRAC5	KOMTSO5	KOMUPF1	KOMUPF2
KOMUVECT	KOMWBAK5	KOMWLM5	KOMWPF5	KOMWTRK5	KOMXAS5
KOMXDEV5	KOMXMSR5	KOMXQCB5	KOMXSY5	KONAAAES	KONAAAPI
KONAAARM	KONAABEG	KONAABPC	KONAACT	KONAADRE	KONAADRV
KONAADV2	KONAAERE	KONAAIDQ	KONAAINI	KONAAINQ	KONAAINS
KONAAIP	KONAAIPC	KONAAIPG	KONAAIPL	KONAAIPN	KONAAIPS
KONAAIRG	KONAAIS	KONAAIUC	KONAAIUG	KONAAIUL	KONAAIUN
KONAAIUR	KONAAIUS	KONAAIWF	KONAANCC	KONAANIP	KONAANUI
KONAANXP	KONAANXX	KONAAOP	KONAAOPD	KONAAOPF	KONAAOPG
KONAAOPN	KONAAOPT	KONAAOPV	KONAAPDQ	KONAAPER	KONAAPNQ
KONAARFW	KONAARIP	KONAARSS	KONAASMD	KONAASMG	KONAATCC
KONAATIP	KONAATLC	KONAATMG	KONAATMS	KONAATNC	KONAATOD
KONAATPC	KONAATPX	KONAATUI	KONAAUDQ	KONAAUNQ	KONAAVRC
KONAAXPB	KONAAXPC	KONAAXPG	KONAAXPL	KONAAXPN	KONAAXPS
KONAAXPV	KONAAXSW	KONAAXWF	KONAAXWG	KONABAPI	KONABCAL
KONABCRB	KONABHEX	KONABLKE	KONABLKU	KONABLOC	KONABONA
KONABRAD	KONABRCB	KONABRCD	KONABRCE	KONABRCF	KONABRCN
KONABRCP	KONABRCR	KONABRCS	KONABRCT	KONABRDL	KONABRDR
KONABRSM	KONABSNP	KONABSPO	KONABSVT	KONABTOD	KONABT4D
KONABUWI	KONABUWR	KONABVEC	KONABXMS	KONACAA	KONACAB
KONACAC	KONACAD	KONACAE	KONACAF	KONACAG	KONACAI
KONACAJ	KONACAL	KONACAM	KONACAR	KONACAS	KONACAT
KONACAU	KONACBA	KONACBE	KONACBI	KONACBJ	KONACBR
KONACBS	KONACBU	KONACCZ	KONACE1	KONACE2	KONACE3
KONACIB	KONACIC	KONACIN	KONACIV	KONACLA	KONACLT
KONACNC	KONACPC	KONACPM	KONACRA	KONACRB	KONACRD

Figure 48 (Page 28 of 34). SMP/E Elements Not Selected					
KONACRG	KONACRH	KONACRI	KONACRL	KONACRP	KONACRR
KONACRT	KONACRU	KONACRV	KONACRX	KONACRY	KONACRZ
KONACSOS	KONACTCA	KONACTCB	KONACTCC	KONACTCD	KONACTCE
KONACTCF	KONACTCM	KONACTC0	KONACTC1	KONACTC2	KONACTC3
KONACTC4	KONACTC5	KONACTC6	KONACTC7	KONACTC8	KONACTC9
KONACTM	KONACTR	KONACTS	KONACTTR	KONACT1	KONACT2
KONACT3	KONACT4	KONACVL	KONACVM	KONACVP	KONACVR
KONACVS	KONACVU	KONACV2	KONACXC	KONACXE	KONACXI
KONACXO	KONACXW	KONAFACT	KONAFI00	KONAFI01	KONAFI02
KONAFI03	KONAFI04	KONAFI05	KONAFI06	KONAFI07	KONAFI08
KONAFI09	KONAFI10	KONAFI11	KONAFI12	KONAFI13	KONAFI14
KONAFI15	KONAFI16	KONAFI17	KONAFI18	KONAFI22	KONAFMSC
KONAFNDM	KONAFNDU	KONAFNI0	KONAFNI1	KONAFNI2	KONAFNI3
KONAFNI4	KONAFNI5	KONAFNI6	KONAFNI7	KONAFNI8	KONAFNMI
KONAFNM0	KONAFNM1	KONAFNM2	KONAFNM3	KONAFNM4	KONAFNM5
KONAFNM6	KONAFNM7	KONAFNM8	KONAFNM9	KONAFNSB	KONAFNTA
KONAFNTB	KONAFNTC	KONAFNTD	KONAFNTE	KONAFNTF	KONAFNTG
KONAFNTH	KONAFNTS	KONAFNTT	KONAFNTU	KONAFNUT	KONAFNVW
KONAFNXB	KONAFNXC	KONAFNXD	KONAFNX0	KONAFNX1	KONAFNX2
KONAFNX5	KONAFNX6	KONAFNX7	KONAFNX8	KONAFNX9	KONAFN01
KONAFN02	KONAFN03	KONAFN04	KONAFN05	KONAFN06	KONAFN17
KONAFN30	KONAFN34	KONAFN35	KONAFN36	KONAFN37	KONAFN38
KONAFN39	KONAFN60	KONAFOP1	KONAFPMI	KONAFRA	KONAFTCC
KONAFTI	KONAFTM	KONAFTMI	KONAFTS	KONAFTVM	KONAFVL
KONAFVMI	KONAFXC	KONAFXL1	KONAFXVW	KONAFXW1	KONAFXW2
KONAGAMS	KONAGCMP	KONAGFPF	KONAGLOD	KONAGNDM	KONAGNPA
KONAGNPB	KONAGNSB	KONAGNTS	KONAGRRT	KONAGRSS	KONAGSRC
KONAGVAA	KONAHCF0	KONAHCF3	KONAHCMP	KONAHELP	KONAHEM0
KONAHEM3	KONAHEV0	KONAHEV3	KONAHFCI	KONAHFD1	KONAHFD2
KONAHFD3	KONAHFPF	KONAHFSN	KONAHFT1	KONAHFT2	KONAHFT3
KONAHLC0	KONAHLOD	KONAHLS1	KONAHLS2	KONAHNDA	KONAHNDB
KONAHNDC	KONAHNDD	KONAHNDE	KONAHNDF	KONAHNDG	KONAHNDH
KONAHNDI	KONAHNDJ	KONAHNDK	KONAHNDM	KONAHND0	KONAHND1

Figure 48 (Page 29 of 34). SMP/E Elements Not Selected					
KONAHND2	KONAHND3	KONAHND4	KONAHND5	KONAHND6	KONAHND7
KONAHND8	KONAHND9	KONAHNPA	KONAHNPB	KONAHNP0	KONAHNP1
KONAHNP2	KONAHNP3	KONAHNSB	KONAHNTS	KONAHNTX	KONAHNT0
KONAHNT1	KONAHNT2	KONAHNT3	KONAHN00	KONAHN01	KONAHN02
KONAHN04	KONAHN05	KONAHN06	KONAHN07	KONAHN08	KONAHN09
KONAHN12	KONAHN13	KONAHN16	KONAHN17	KONAHOF0	KONAHOF3
KONAHRRT	KONAHRSS	KONAHSRC	KONAHTRM	KONAHVAA	KONAHWEL
KONAITDC	KONAITDD	KONAITDE	KONAITDF	KONAITDI	KONAITDS
KONAITXB	KONAITXH	KONAITXI	KONAITXP	KONAITXR	KONAITXS
KONAJCD	KONAJFR	KONAJLV	KONAJSC	KONAJTA	KONAJTC
KONAKAF	KONAKAR	KONAKAS	KONAKBG	KONAKBI	KONAKBS
KONAKBU	KONAKCB	KONAKDC	KONAKDE	KONAKFE	KONAKGC
KONAKHN	KONAKHT	KONAKLI	KONAKMV	KONAKNA	KONAKNI
KONAKNT	KONAKNX	KONAKPV	KONAKRE	KONAKRF	KONAKRG
KONAKRH	KONAKRL	KONAKRM	KONAKRN	KONAKRO	KONAKRQ
KONAKRS	KONAKRT	KONAKRU	KONAKRV	KONAKRW	KONAKRX
KONAKSL	KONAKSR	KONAKTL	KONAKTM	KONAKTR	KONAKTRP
KONAKTR2	KONAKT1	KONAKT2	KONAKVT	KONAKXF	KONAKXG
KONAKXH	KONAKXS	KONAKXV	KONALFR	KONALLK	KONALPM
KONALRST	KONALSP	KONALSPO	KONALSV	KONALUD	KONALUL
KONALVR	KONALVT	KONAMCFE	KONAMCFR	KONAMCGM	KONAMCPP
KONAMCRM	KONAMCSR	KONAMVPX	KONANAPF	KONANINS	KONANLDI
KONANLDR	KONANMVS	KONANNDL	KONANPD	KONANPM	KONANPWK
KONANRCI	KONANRCX	KONANREM	KONANSPI	KONANSPM	KONANSPN
KONANSPR	KONANSUI	KONANSUR	KONANUSI	KONANUSR	KONANVTM
KONAPDEQ	KONAPENQ	KONAPKEY	KONAPRM	KONAPRMT	KONAPSTT
KONAPTR	KONAPTXE	KONAPZAP	KONATVCL	KONATVCU	KONATVEX
KONATVMR	KONATVOP	KONATVRE	KONATVRR	KONATVST	KONATVTE
KONATVTP	KONAYACT	KONAYCCB	KONAYFCV	KONAYNAH	KONAYNGA
KONAYOCB	KONAYPWK	KONAYTAP	KONAYTAS	KONAYTAW	KONAYTCO
KONAYTDV	KONAYTGA	KONAYTGW	KONAYTLK	KONAZAV	KONAZBV
KONAZCV	KONAZD1A	KONAZD1B	KONAZD1C	KONAZD1D	KONAZD1E
KONAZD1F	KONAZD1G	KONAZD2A	KONAZD2B	KONAZD2C	KONAZD2D

Figure 48 (Page 30 of 34). SMP/E Elements Not Selected					
KONAZD2E	KONAZD2F	KONAZD2G	KONAZD4A	KONAZD4B	KONAZJV
KONAZKV	KONAZLCM	KONAZLSM	KONAZLV	KONAZMV	KONAZNV
KONAZPRM	KONAZPV	KONDATA	KONHNST	KONHNSTA	KONHNSTB
KONHNSTC	KONHNSTD	KONHNSTE	KONHNSTF	KONHNSTG	KONHNSTH
KONHNSTI	KONHNSTJ	KONHNSW	KONHNSWA	KONHNSWB	KONHNSWC
KONHNSWD	KONHNSWE	KONHNSWF	KONHNSWG	KONHNSWH	KONPNSTW
KON56HA	KON56HAA	KON56HD	KON56HDA	KON56HG	KON56HH
KON56HHA	KON56HL	KON56HLA	KON56HR	KON56HU	KON56HUA
KON56HUB	KON56HUC	KON56HUD	KON56HUE	KON56HUF	KON56HUG
KON56H1	KON56H1A	KON56H1B	KON56H1C	KON56H1D	KON56H1E
KON56H1F	KON56H1G	KON56H1H	KON56H1I	KON56H2	KON56H2A
KON56H3	KON56H3A	KON56H3B	KON56H5	KON56H6	KON56H8
KON56H8A	KON56H8B	KOSASRSE	KOSASRSL	KOSCFCML	KOSCFLOC
KOSCFMML	KOSCFOML	KOSCFSML	KOSCFTML	KOSDASML	KOSDCMML
KOSECTLL	KOSECTLU	KOSESGXL	KOSFACTI	KOSGGRSL	KOSGNQRE
KOSGNQRL	KOSGNQTL	KOSGQSCA	KOSKFA	KOSOEKNL	KOSPXSML
KOSSTART	KOSWAIOL	KOSWANQL	KOSWASCL	KOSWASPE	KOSWASPL
KOSWCLAL	KOSWCSVL	KOSWDTME	KOSWENVL	KOSWIALD	KOSWIALI
KOSWIALL	KOSWIAML	KOSWPGRL	KOSWPIOL	KOSWPNQL	KOSWPOLL
KOSWPRDE	KOSWPRDL	KOSWPRTL	KOSWRSGL	KOSWSEGE	KOSWSWDL
KOSWWRKL	KOSXCGML	KOSXCMML	KOSXCPML	KOSXCSML	KOSXSYSL
KOS2SGML	KO2CIMSC	KO2CIMSD	KO2CIMSE	KO2DCINB	KO2DXSTB
KO2HHCPB	KO2ITABB	KO2RDUMP	KO2UKEY	KO2XDDSA	KO2XDDS4
KO2XDDS5	KO2XDDS6	KO2XDDS7	KO2XDDS8	KO2XIMSC	KO2XIMSD
KO2XIMSE	KPDACMD	KPDALOG	KPDARCH	KPDARES	KPDCATN
KPDCCMD	KPDCLOG	KPDCSVG	KPDDSCO	KPDDSST	KPDECB
KPDEIMN	KPDESTA	KPDETRP	KPDMANE	KPDMON	KPDPDEL
KPDPEMI	KPDPFNI	KPDPFNL	KPDPFNS	KPDPINS	KPDPLOC
KPDPUPD	KPDREST	KPDTOKN	KPDUGAS	KPDUTIL	KPDXTRA
KPQALLOC	KPQBITIX	KPQBSIND	KPQBTREE	KPQBTRIX	KPQCOLLS
KPQCSI0	KPQCTGSA	KPQCTMSG	KPQDMTLI	KPQDYNAL	KPQDYNAR
KPQHPARM	KPQHSICP	KPQHSMGR	KPQHSODI	KPQHSPDT	KPQHUTIL
KPQIDXT0	KPQMMGR0	KPQMPOOL	KPQMTLIO	KPQMTLOS	KPQMUTIL

Figure 48 (Page 31 of 34). SMP/E Elements Not Selected					
KPQQSAM0	KPQSORT0	KPQSPCMD	KPQSPCMT	KPQSPDSH	KPQSPINI
KPQSPIPR	KPQSPISU	KPQSPITD	KPQSPLPR	KPQSPLSU	KPQSPLTD
KPQSPMGT	KPQSPTRM	KPQSTSYS	KQIAGBKS	KQIAGENT	KQIAGEVS
KQIAHELP	KQIATR	KQIAUCMP	KQIAZCMP	KQIBAR	KQIBHELP
KQIBRACT	KQIBRSTS	KQIBRSTT	KQICAT	KQICMDLB	KQIDDICT
KQIDOC	KQIH0001	KQIH0002	KQIH0003	KQIH0004	KQIH0005
KQIH0006	KQIH0008	KQIH0009	KQIH0010	KQIH0017	KQIH0019
KQIH0021	KQIH0022	KQIH0023	KQIH0024	KQIH0025	KQIH0026
KQIH0027	KQIH0028	KQIH0029	KQIH0030	KQIH0031	KQIH0032
KQIJCMP	KQIJPU1C	KQIJPU1P	KQIJPU1S	KQIJSALO	KQIJSLOD
KQIJSSYS	KQIJSTMS	KQIJSTPS	KQIJSTPW	KQIJSUPV	KQIJSUSU
KQIJSUS6	KQILBEVS	KQILBKSS	KQILMFSS	KQILMFTS	KQILSVJS
KQILSVSS	KQIMAP	KQIMFACT	KQIMFEWS	KQIMFIRD	KQIMFISD
KQIMFMFR	KQIMFMFS	KQIMFMFX	KQIMFMSR	KQIMFNDS	KQIMFNDX
KQIMFSTS	KQIMFTHR	KQIMFTHS	KQIMFTSR	KQIMSENU	KQIMSMAN
KQINDATS	KQINDNDR	KQINDNDS	KQINDNSR	KQINDSTT	KQINDTRR
KQINDTRS	KQINDTSR	KQIPDICT	KQIPNODE	KQIPRMLB	KQIQMSWX
KQISTAGS	KQISTART	KQISTBHO	KQISTBKS	KQISTLIS	KQISTRTI
KQISTRTX	KQISTTBT	KQISVACT	KQISVCCS	KQISVFLS	KQISVGCS
KQISVJDS	KQISVJMS	KQISVJVS	KQISVODS	KQISVOSS	KQISVPSS
KQISVSPS	KQISVSTS	KQISVSVS	KQISVTCS	KQISVTSS	KQISYSP
KQITACTX	KQITAMSX	KQIUIUSS	KQIUSS	KQIVRTMS	KQIXML
KQMCAT	KQMM	KQMPRB	KRA	KRAETRP	KRALIB
KRALLIST	KRANDREG	KRAOPIRM	KRGAHELP	KRGCMDLB	KRGJPU1C
KRGJPU1P	KRGJPU1S	KRGPRMLB	KRHAHELP	KRHCMDLB	KRHJPU1C
KRHJPU1P	KRHJPU1S	KRHPRMLB	KRIBB0M0	KRIBB0N0	KRIBB0O0
KRIBB0P0	KRIDA0MQ	KRIDA0NQ	KRIDA0OQ	KRIDA0PQ	KRIFLGX0
KRIGPX00	KRIHD0MQ	KRIHD0NQ	KRIHD0OQ	KRIHD0PQ	KRILGXM0
KRILGXN0	KRILGXO0	KRILGXP0	KRILP0MQ	KRILP0NQ	KRILP0OQ
KRILP0PQ	KRIRI0MQ	KRIRI0NQ	KRIRI0OQ	KRIRI0PQ	KRIXP0MQ
KRIXP0NQ	KRIXP0OQ	KRIXP0PQ	KRJAHELP	KRJCMDLB	KRJJPU1C
KRJJPU1P	KRJJPU1S	KRJPRMLB	KRKAHELP	KRKCMDLB	KRKJPU1C
KRKJPU1P	KRKJPU1S	KRKPRMLB	KRNAHELP	KRNCMDLB	KRNJPU1C

Figure 48 (Page 32 of 34). SMP/E Elements Not Selected					
KRNJPU1P	KRNJPU1S	KRNPRMLB	KRTAHELP	KRTBHELP	KRTDDICT
KRTDDICX	KRTREXIT	KRVAHELP	KRVCMDLB	KRVJPU1C	KRVJPU1P
KRVJPU1S	KRVPRMLB	KRWAHELP	KRWCMDLB	KRWJPU1C	KRWJPU1P
KRWJPU1S	KRWPRMLB	KSH	KSHCMS	KSHSOAP	KSMOMS
KS3$AGVR	KS3$VER	KS3#ADBM	KS3#ADBU	KS3#AGDF	KS3#AGVR
KS3#ASUP	KS3#ASVA	KS3#ASVU	KS3#CA1U	KS3#DAGU	KS3#G
KS3#GOKY	KS3#GVA	KS3#GVU	KS3#SGAD	KS3#ZCD	KS3@ADBM
KS3@CAVS	KS3@CCS	KS3@CPSC	KS3@CPSF	KS3@CPSV	KS3ADBFV
KS3ADBM	KS3ADBNT	KS3ADCMD	KS3ADDSC	KS3ADSRB	KS3AGVER
KS3AG1	KS3AHELP	KS3AINIT	KS3ALLO4	KS3APPNN	KS3APSNN
KS3AS	KS3ATR	KS3BAR	KS3CACMD	KS3CAT	KS3CA1CS
KS3CA1DD	KS3CA1DS	KS3CA1RD	KS3CA1S	KS3CA1SD	KS3CA1VD
KS3CA1VS	KS3CCMGR	KS3CCVC	KS3CGSMF	KS3CMDLB	KS3COLLS
KS3COLL4	KS3CPCMD	KS3CPSLS	KS3CPSPC	KS3CPSPV	KS3CPSXS
KS3CS	KS3CSCTX	KS3CSID4	KS3CTDS4	KS3CTGSA	KS3CTGS4
KS3CTMEM	KS3CTME4	KS3CTMSG	KS3CTMS4	KS3CTSYN	KS3CTSY4
KS3DACMD	KS3DACTL	KS3DAEXT	KS3DAEX2	KS3DAG	KS3DAGDF
KS3DAGS	KS3DAGSC	KS3DASS	KS3DATA	KS3DATSS	KS3DBCMD
KS3DCBS	KS3DCISS	KS3DCMIC	KS3DCMII	KS3DCMIP	KS3DCMIT
KS3DDLT4	KS3DEBUG	KS3DEVPD	KS3DFD	KS3DFSRD	KS3DGCTL
KS3DGP	KS3DGPV	KS3DGPVC	KS3DGRD	KS3DGVP	KS3DGVS
KS3DHCRQ	KS3DINIT	KS3DJSE4	KS3DMTLI	KS3DMTLT	KS3DOC
KS3DPCCU	KS3DPCHP	KS3DPDEV	KS3DPLCU	KS3DPSUM	KS3DPSYC
KS3DPSYD	KS3DPSYV	KS3DPTSA	KS3DPTSC	KS3DPTSR	KS3DPTSX
KS3DQCMD	KS3DQRY4	KS3DRCIN	KS3DRCIT	KS3DRCMD	KS3DRCTL
KS3DRLSC	KS3DRLSI	KS3DRSUM	KS3DS	KS3DSCBR	KS3DSCTL
KS3DSD	KS3DSG	KS3DSMSI	KS3DSMSP	KS3DSMSS	KS3DSMSU
KS3DSSEI	KS3DSTKT	KS3DSTMR	KS3DSUM4	KS3DTDS	KS3DTERM
KS3DTSET	KS3DUTL4	KS3DWEB4	KS3DXCMD	KS3FCCMD	KS3FCDUT
KS3FICDP	KS3FICDU	KS3FVER	KS3GAAC	KS3HISTC	KS3HLP20
KS3HLP21	KS3HTTP4	KS3H0012	KS3H0042	KS3H0043	KS3H0044
KS3H0046	KS3H0047	KS3H0048	KS3H0049	KS3H0064	KS3H0065
KS3H0067	KS3H0068	KS3H0069	KS3H0075	KS3H0076	KS3H0078

Figure 48 (Page 33 of 34). SMP/E Elements Not Selected					
KS3H0080	KS3H0167	KS3H0168	KS3H0169	KS3INDEX	KS3JPU1C
KS3JPU1P	KS3JPU1S	KS3JSALO	KS3JSON4	KS3JSSYS	KS3JSTMS
KS3JSTPS	KS3JSTPW	KS3JSUSU	KS3JSUS6	KS3LDID	KS3LDSUM
KS3LOGI4	KS3LVC	KS3MAP	KS3MLOS4	KS3MPAR	KS3MPDS
KS3MSMAN	KS3MTLI4	KS3MTXML	KS3MUTE4	KS3MUTIL	KS3MUTI4
KS3ODI4	KS3OXAGT	KS3OXCGT	KS3OXCNT	KS3OXCTM	KS3OXHLP
KS3OXITM	KS3OXRNT	KS3OXVEC	KS3PDICT	KS3PRMLB	KS3PVGP
KS3QSAM4	KS3RBLD	KS3RDMPZ	KS3RDMVR	KS3RECO4	KS3RLSCU
KS3SACOL	KS3SACO2	KS3SACO3	KS3SADBC	KS3SADBR	KS3SADBT
KS3SADBU	KS3SADLU	KS3SAMDC	KS3SASUM	KS3SAUTL	KS3SAUT2
KS3SAVOL	KS3SAVO2	KS3SAVO3	KS3SAXCG	KS3SAXCM	KS3SAXCN
KS3SAXPD	KS3SCA1C	KS3SCA1I	KS3SCA1R	KS3SCA1T	KS3SCISS
KS3SCMII	KS3SCMIS	KS3SCPSR	KS3SCPSU	KS3SDADF	KS3SDADI
KS3SDADK	KS3SDADR	KS3SDADT	KS3SDADX	KS3SDXC	KS3SDXST
KS3SDXT	KS3SFCDC	KS3SFCDT	KS3SFCDU	KS3SFMEM	KS3SGCAT
KS3SGCOL	KS3SGCSI	KS3SGMEM	KS3SGPRF	KS3SGSPC	KS3SGSUM
KS3SGVTC	KS3SHCRO	KS3SHCRQ	KS3SHCRR	KS3SHTT4	KS3SJCLI
KS3SMTLI	KS3SRLAH	KS3SRLDC	KS3SRLDI	KS3SRLDR	KS3SRLDT
KS3SRLPC	KS3SRLPI	KS3SRLPR	KS3SRLPT	KS3SRLTC	KS3SRLTI
KS3SRLTR	KS3SRLTT	KS3SRMFI	KS3SSGP	KS3SSGS	KS3SSGVP
KS3SSGVS	KS3SSTKV	KS3STCB4	KS3SUDGV	KS3TKS99	KS3TKUDS
KS3VRLAH	KS3VRLDC	KS3VRLPC	KS3VRLTC	KS3VRTMS	KS3VXNOD
KS3VXPDS	KS3VXVCT	KS3XML4	KS3ZCD	KS3ZSUMM	KS3ZSUM2
KS32APCL	KS32APDD	KS32APPL	KS32APPR	KS32APVP	KS32APVS
KS32CHSM	KS32CHUB	KS32CINI	KS32CRMM	KS32CRQX	KS32CSYS
KS32CUC	KS32DAGS	KS32DTKS	KS32EDEV	KS32EDSU	KS32EHFD
KS32EHFS	KS32EHRE	KS32EHST	KS32ENOD	KS32HCQX	KS32HQXD
KS32HSMA	KS32IAPD	KS32LCCU	KS32LCDE	KS32LCHP	KS32LCUC
KS32LDAD	KS32LDEV	KS32LDSU	KS32LHCQ	KS32LHCR	KS32LHCS
KS32LHFD	KS32LHFH	KS32LHFS	KS32LHHD	KS32LHPS	KS32LHQL
KS32LHRE	KS32LHWR	KS32LLCU	KS32LRRN	KS32LSNA	KS32LSPL
KS32LSSU	KS32LSTC	KS32LSTM	KS32LSTQ	KS32LSTR	KS32LSTS
KS32LSYC	KS32LSYI	KS32LSYS	KS32LSYV	KS32LTSA	KS32LTSC

Figure 48 (Page 34 of 34). SMP/E Elements Not Selected					
KS32LTSR	KS32LTSS	KS32LTSX	KS32PCHP	KS32PHVL	KS32PLCU
KS32RAIN	KS32RAPD	KS32RATM	KS32RLAR	KS32SGST	KS32SQLT
KS32TKS1	KS32VLST	KS32XSUM	KS32XSYS	KS33LSYS	KT1CLNT
KT1CTL00	KT1KRA	KT1LIB	KWOAHELP	KWOCMDLB	KWOJPU1C
KWOJPU1P	KWOJPU1S	KWOPRMLB	KWWBHELP	KWWDDICT	KXDCMDEX
KXDCMDIR	KXDCMDSH	KXDCMDS1	KXDDELAY	KXDFDCON	KXDMAIN
KXDM3KCO	KXDM3ZF	KXDSERV	KXDSUB	KXDTRAP	KXDWLCON
KYNAGENT	KYNAHELP	KYNATR	KYNBHELP	KYNCAT	KYNCMDLB
KYNCTBEX	KYNDDICT	KYNDINFO	KYNDOC	KYNDRNEW	KYNJPU1C
KYNJPU1P	KYNJPU1S	KYNJSALO	KYNJSSYS	KYNJSUPV	KYNJSUSU
KYNJSUS6	KYNPDICT	KYNPRMLB	KYNRKCFG	KYNSBATO	KYNTAR
KYN71CGV	KYN71HE	KYN71HEA	KYN71HL	KYN71HLA	KYN71HLB
KYN71PPL	KYN710CB	KYN710RN	KYN710SC	KYN710SP	KYN710VA

After installing new function, you should perform two operations:

1. Create a backup of the updated data sets, including any SMP/E data sets affected, in case something happens to the data sets during the next phase.
2. Do some testing before putting the new function into production.

After you are satisfied that an applied SYSMOD has performed reliably in your target system, you can install it in your distribution libraries using the ACCEPT process.

Another good practice is to accept most SYSMODs, particularly FMIDs, before performing another APPLY process. This provides you the ability to use the RESTORE process of SMP/E and to support the scenario where SMP/E needs to create a new load module from the distribution libraries during the APPLY process.

6.1.12 Perform SMP/E ACCEPT

Edit and submit the generated job KCIJGACC to perform an SMP/E ACCEPT CHECK for Service Management Suite.

If you are not using the generated job, select the sample ACCEPT job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the PRE, ID, REQ, and IFREQ on the ACCEPT CHECK. The SMP/E root cause analysis identifies the cause of *errors* but not *warnings* (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings rather than errors).

Before you use SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. In this way, you can save the entries that are produced from JCLIN in the distribution zone whenever a SYSMOD that contains inline JCLIN is accepted. For more information about the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E Commands documentation for details.

Expected Return Codes and Messages from ACCEPT CHECK: 4

After you take actions that are indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.

Note: The GROUPEXTEND operand indicates that SMP/E accepts all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

If the BYPASS operand is not included in the control statement when processing a PTF with a ++HOLD statement, the job will get a return code of 12 and the following message.

```
GIM30206E command PROCESSING FAILED FOR SYSMOD sysmod.
          HOLD REASON IDS WERE NOT RESOLVED.
```

If PTFs that contain replacement modules are accepted, SMP/E ACCEPT processing will link-edit or bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder might issue messages that indicate unresolved external references, which will result in a return code of 4 during the ACCEPT phase. You can ignore these messages, because the distribution libraries are not executable and the unresolved external references do not affect the executable system libraries.

Expected Return Codes and Messages from ACCEPT: 4

You can receive many of the following messages depending on your environment. These messages can be ignored, because they will not affect product execution.

```
GIM24701W SMP/E COULD NOT OBTAIN LINK-EDIT PARAMETERS FOR LOAD
       MODULE loadmod FOR SYSMOD sysmod. DEFAULTS WERE USED.
```

Figure 48 on page 70 contains a list of elements that might be marked as not selected during the APPLY and ACCEPT processes. This might occur because a VERSION parameter was supplied in an FMID indicating that it contained a higher level version of the same element provided by another FMID being processed at the same time. The higher version element is selected for processing and the lower version is not selected for processing. It might also occur because maintenance is being installed at the same time as the FMIDs.

6.1.13 Cleaning Up Obsolete Data Sets, Paths, and DDDEFs

The following data sets, which were allocated and used by previous releases of this product, are no longer used in this release. You can delete these obsolete data sets after you delete the previous release from your system.

- #dsthlq.DKGWJAR

The following file system paths, which were created and used by previous releases of this product, are no longer used in this release. You can delete these obsolete file system paths after you delete the previous release from your system.

- #hfsdir/usr/lpp/kgw/v420/bin/IBM
- #hfsdir/usr/lpp/kgw/v420/bin
- #hfsdir/usr/lpp/kgw/v420
- #hfsdir/usr/lpp/kgw
- #hfsdir/usr/lpp/opmei/v540/lib/IBM
- #hfsdir/usr/lpp/opmei/v540/lib
- #hfsdir/usr/lpp/opmei/v540
- #hfsdir/usr/lpp/opmei/v530/lib/IBM
- #hfsdir/usr/lpp/opmei/v530/lib
- #hfsdir/usr/lpp/opmei/v530
- #hfsdir/usr/lpp/opmei/v520/lib/IBM
- #hfsdir/usr/lpp/opmei/v520/lib
- #hfsdir/usr/lpp/opmei/v520
- #hfsdir/usr/lpp/opmei/v511/lib/IBM
- #hfsdir/usr/lpp/opmei/v511/lib
- #hfsdir/usr/lpp/opmei/v511
- #hfsdir/usr/lpp/opmei/v410/lib/IBM
- #hfsdir/usr/lpp/opmei/v410/lib
- #hfsdir/usr/lpp/opmei/v410
- /usr/lpp/itcam/wsam/was_instance/bin/IBM
- /usr/lpp/itcam/wsam/was_instance/lib/boot/IBM
- /usr/lpp/itcam/wsam/was_instance/codeset/IBM
- /usr/lpp/itcam/wsam/doc/IBM
- /usr/lpp/itcam/wsam/was_instance/etc/IBM

- /usr/lpp/itcam/wsam/was_instance/lib/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/pt_BR/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/zh_CN/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/de/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/es/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/fr/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/it/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/ja/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/ko/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/C/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/zh_TW/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was60/esb60/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was60/prs60/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was61/esb61/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was61/prs61/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps6/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps51/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps60/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/was51/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/was70/IBM

The following DDDEF entries, which were created and used by previous releases of this product, are no longer used in this release. You can delete these obsolete DDDEF entries after you delete the previous release from your system.

- SCYNZBOT
- SCYNZCOD
- SCYNZDOC
- SCYNZMBR
- SCYNZMCN
- SCYNZMDE
- SCYNZMES
- SCYNZMFR
- SCYNZMIT

- SCYNZMJA
- SCYNZMKO
- SCYNZMSC
- SCYNZMTW
- SCYNZWE6
- SCYNZWP6
- SCYNZW6E
- SCYNZW6P
- SCYNZP6
- SCYNZP51
- SCYNZP60
- SCYNZLW5
- SCYNZL70
- TKGWJAR
- DKGWJAR

6.2 Activating Service Management Suite

Prior to activating the products included in Service Management Suite, IBM recommends you review the Quick Start Guide, **First time deployment guide (FTU installation and configuration tasks)** as well as Planning and Configuring topics if you have not already done so. This documentation focuses on the things you will need to know for a successful deployment of the products included in this package.

Note: Install Job Generator (JOBGEN) output library: You can specify the Install Job Generator (JOBGEN) output library during the PARMGEN "KCIJPCFG Set up/Refresh PARMGEN work environment" configuration processing to reuse parameter values such as the jobcard and CSI values related to CALLLIBS and USS install directory override data.

Activating the products included in Service Management Suite requires you to use the OMEGAMON shared publications and the configuration guides for each product listed in Figure 1 on page 11.

This documentation can be found online at:

https://www.ibm.com/docs/en/zsms2/2.3.0

6.2.1 File System Execution

If you mount the file system in which you have installed OMEGAMON for CICS TG, OMEGAMON Data Provider, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM componentsvin read-only mode during execution, then you do not have to take further actions.

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