

IBM System/360 Operating System

Release 15/16

This document outlines the current status, new features/functions, and incremental improvements to System/360 Operating System. A list of all modules added, deleted, or altered for this release is also included. System Prose and Maintenance Prose (in the form of APARs, PSI entries, and PTFs) inform the user of the current maintenance status of the system.

PREFACE

This publication includes, in consolidated form, several documents provided to IBM Operating System/360 Users. Some of the material will be familiar to OS/360 Users; other material is provided for the first time. For example, the Memo to Users and System Prose documents have been provided with each release of OS/360; the information on module status and hardware E.C. levels has not previously been provided.

Whether the material is new or familiar, it is presented in a manner that will make it easier to use. For example, in prior release documents, restrictions and publications errors (system prose items), when fixed, simply disappeared. Now, a listing specifically indicates the system prose items fixed in the current release.

This publication contains 5 sections, as follows:

- SECTION 1: Summary of Release
This section describes the contents of this release and defines the Hardware Engineering Change Levels of the CPUs for which the software was developed.
- SECTION 2: Maintenance Activity
This section defines the maintenance included with this release of the Operating System.
- SECTION 3: Module Summary
This section lists the library in which each module resides, and also lists the modules that have been added, deleted or altered in this release.
- SECTION 4: Problems Outstanding
This section defines the known problems and restrictions applicable to the current release of the Operating System.
- SECTION 5: APARS Fixed in Previous Releases
This section lists and describes those APARS which were corrected in previous releases but not documented as such.

First Edition (September 1968)

This publication corresponds to Release 15/16.

Copies of this and other IBM publications can be obtained through IBM Branch Offices.

A form for reader's comments appears at the back of this publication. It may be mailed directly to IBM. Address any additional comments concerning this publication to IBM Corporation, Programming Systems Publications, Department D58, PO Box 390, Poughkeepsie, N. Y. 12602

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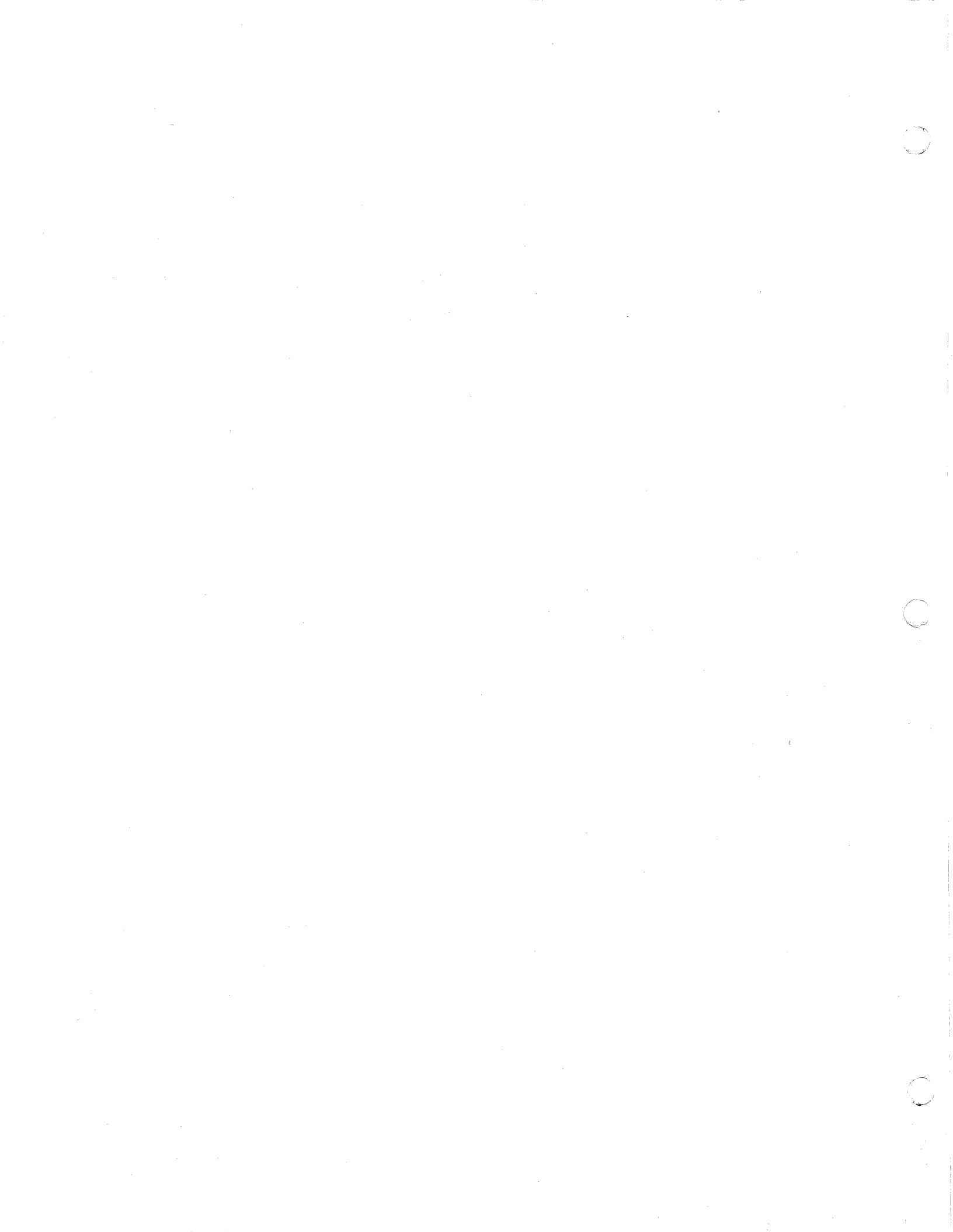
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SECTION 1: SUMMARY OF RELEASE

MEMORANDUM TO USERS OF OPERATING SYSTEM/360

HARDWARE ENGINEERING CHANGE LEVELS



MEMORANDUM TO: Users of Operating System/360
SUBJECT: Release 15/16

This memorandum announces the availability of Operating System/360, Release 15/16. Orders may now be submitted.

This release adds maintenance and the following features, functions, and incremental improvements to Operating System/360. More than 1000 APAR corrections are included with this release, over and above those contained in the release 14 Compiler Maintenance Release (CMR). Included are over 125 corrections that eliminate conditions that formally required a system re-IPL. There have been permanent corrections for 172 PTF's made in Release 15/16. Also, 89 System Prose restrictions have been eliminated.

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*Rollout/Rollin for MVT

360S-CI-535

A Rollout/Rollin facility is now provided for MVT to allow the dynamic expansion of a designated job step beyond the originally specified region size. This function will enable a step's region size to be based on the minimum actual requirement rather than the maximum. When a job step requires additional main storage beyond the assigned region, the feature attempts to obtain space from unassigned storage. Failing that, another job step is rolled out and its storage is made available. When released by the first job step, the additional storage is again available. The job step initially rolled out will be rolled back into that storage. The user may specify the jobs eligible to be rolled out or to cause rollout. The rollout/rollin feature permits the installation much greater flexibility in scheduling and initiating jobs.

*PL/I F Version IV

360S-NL-511

This version is a further stage in the development of PL/I functional additions and performance improvements, and includes the major areas of List Processing, Locate Mode, and Tasking. Additional implementation facilities include an increase of up to 3.5 to 1 in the capacity of the dictionary in the compiler, enabling the compilation of larger segments. Existing and projected PL/I programs should be examined to take advantage of the additional function and performance improvements detailed below.

Functional Additions:

Record I/O with Locate Mode

Record I/O with Locate Mode permits the processing of data directly in the I/O buffer areas. The language implemented is:

LOCATE Statement

SET option in the READ statement

REWRITE statement without the FROM option

VARYING Strings in Record I/O

Record I/O is permitted in scalar VARYING strings which are not members of arrays or structures.

Based Storage and List Processing

Based Storage permits indirect referencing by means of pointers. The facilities for handling these pointer variables permit data to be chained together and thus provide the ability to perform List Processing in a high level language.

The List Processing features implemented are:

- IN and SET options in the ALLOCATE statement
- IN option in the FREE statement
- AREA, BASED, POINTER, OFFSET, REFER attributes
- NULL, NULLO, EMPTY, ADDR built-in functions
- AREA on condition
- Pointer qualifications

Note: The REFER and OFFSET attributes and the NULLO and EMPTY built-in functions are new language features. For detailed description see the IBM System/360 Operating System SRL, PL/I F Level Reference Manual (C28-8201).

Tasking

Tasking facilities in this release are:

- TASK, EVENT, and PRIORITY options in the CALL statement
- WAIT statement
- EVENT option in the DISPLAY statement
- UNLOCK statement
- NOLOCK option in the READ statement
- EXCLUSIVE attribute
- EVENT and TASK attributes
- COMPLETION, STATUS, and PRIORITY built-in functions and pseudo-variables

The options TASK, EVENT or PRIORITY on a CALL statement allow the called procedure to be attached as a subtask. Its priority can be set relative to the attaching task and can be examined and changed dynamically. Protection of DIRECT UPDATE files can be accomplished through the use of the EXCLUSIVE attribute. This prevents the inadvertent updating of a record by two or more subtasks.

The tasking facilities provide a significant new function transcending that available in any other IBM-supported high

level language. Careful program planning and analysis are necessary to assure proper program execution synchronization within programs using this feature. Additionally, while object execution performance may be improved using the PL/I tasking facility, additional object core storage will be required. Refer to the OS/360 PL/I F System Programmer's Guide (C28-6594).

Data Set Communications with COBOL

Specification of COBOL in the ENVIRONMENT attribute for FILE permits the reading and writing of data sets that were created using the COBOL algorithm for mapping structures.

Positioning Control for Stream I/O

Positioning Control for Stream I/O allows skipping unused portions of input data.

STRINGRANGE

The new STRINGRANGE prefix and ON condition are provided to permit control over invalid uses of SUBSTR.

PUT DATA

The PUT DATA statement is permitted without a data list. It causes all variables, known at that point in the program, to be written according to the rules of data-directed output.

Checkpoint/Restart with PCP

The PL/I user may call a library routine for interface with the OS/360 checkpoint facility, which is available with the Primary Control Program.

Delete Statement

The DELETE statement is supported for sequential access to data sets with INDEXED organization.

Carriage Control in Record I/O

New options CRLASA (ASA control) and CTL360 (machine code control) in the ENVIRONMENT attribute cause the first character of a record to be interpreted as carriage control.

Unaligned

The UNALIGNED data attribute is implemented as a replacement and extension of the PACKED attribute. This permits the mapping of structures without padding bytes for alignment onto hardware boundaries. This enables the PL/I user to

process certain data sets created by a FORTRAN program.

String Function

The STRING built-in function is implemented, with the restriction that the argument may not be an expression.

PL/I - Sort Interface

PL/I programs may use the facilities of the SORT processor by calling an interface module in the PL/I Library.

Last Argument Flagging for Calls and Functions

The last address is flagged in the argument list for calls and functions. This allows a PL/I program to invoke non-PL/I routines which expect variable numbers of arguments.

Input/Output Improvements

New environment options give more complete use of Data Management facilities. INDEXAREA specifies that the highest level of index is in core for INPUT or UPDATE INDEXED DIRECT files. NOWRITE specifies that no records are added to INDEXED DIRECT UPDATE files. REWIND allows end-of-volume and end-of-file action to be controlled by the DISP field on the DD statement.

Performance Improvements:

The following improvements have been made in the speed of object program execution. Their effect depends on the usage of the features in an individual program.

PL/I Housekeeping Subroutine Linkage Time

This version provides a reduction of approximately 1.5 to 1 in the subroutine linkage time for invoking small PL/I procedures. The improvement is accomplished by using static rather than dynamic storage for procedures which are neither REENTRANT nor RECURSIVE.

VARYING Strings

In-line code is generated for assignment to VARYING character strings and concatenation of VARYING strings, not over 256 bytes in length. Execution performance for these operations will be up to 1.5 times faster than that of Version III.

Conversions

In-line code will be generated for additional cases of conversions between the following data types:

Fixed binary to fixed-length bit string
Fixed-length bit string to fixed binary
Float to fixed binary

Execution time for these conversions will be reduced by at least 5 to 1.

Constant Subscripts

If a subscript to an array reference is a decimal integer constant, and the corresponding multiplier is constant, then the addressing calculation is performed at compile time.

Constant Expressions

Signed constants and concatenation of string constants are processed at compile time.

Miscellaneous Improvements

Localized improvements are made to the code generated for special cases of array cross-section expressions, subscripting with constants and variables, dope vector initialization, addressing of BASED aggregate members, and BIT string operations.

Commoning of Base Registers

A common register will be used for a number of references to the same variable when the referencing of the variable requires more than one instruction.

Implementation Facilities:

Dictionary capacity

The capacity of the dictionary of the PL/I F compiler may be increased by 3.5 to 1 (1.5 to 1 if the SIZE compiler option specifies less than 52K bytes). This facility is provided by a new compiler option, EXTDIC, which permits the successful compilation of programs that previously would have caused the dictionary to overflow. This technique however, will reduce compile performance by 5% or more.

Note: Large programs which compiled without dictionary overflow in previous releases may fail to compile unless SIZE is increased.

Source Listing Control

A column in the source records to be interpreted as carriage control for the source program listing may be specified in the SORMGIN option.

Blocking Factor for SYSIN, SYSPRINT

The maximum blocking factor for SYSIN and SYSPRINT may be increased provided sufficient core storage remains available to the compiler.

Macro Deck Option

The use of compiler option MACDCK will cause the output from the compile time processor to be placed on the SYSPUNCH file.

Diagnostic Message Improvement

Compiler diagnostic messages for illegal PICTURES include the statement number.

Aggregate Length Table

If the ATR option is used, a table of aggregates and corresponding lengths is listed and sorted according to aggregate name.

Additional Changes:

The following items represents improvements which are made by changes to the language. Some programs using these features might yield different results from that of previous PL/I versions and thus may need to be examined.

Concatenation Operator

In order to provide consistent, natural, string operations, the concatenation operator is moved above the comparison operators in the heirarchy determining the order of evaluation of an expression. Additional parentheses will ensure compatible results.

String to Arithmetic Conversion

Strings will be converted to arithmetic data of maximum (rather than default) precision wherever the precision cannot be deduced from the context.

To ensure results consistent with previous releases, the FIXED built-in function may be used for programs to be compiled with this release.

E and F Format Items

Data written out with E and F format items will be rounded.

Exponentiation

There is a change in the precision of the result of exponentiating a floating variable by an integer. Long float results may now be short float.

*Recovery Management for MVT and MFT II-Model 65
360S-DN-539

The Recovery Management programs attempt to recover from, and/or otherwise reduce the impact of machine malfunctions indicated by a machine-check or channel-check interruption, thus improving availability for System/360 Model 65 installations.

Recovery Management supports Multiprogramming with a Fixed Number of Tasks (MFT) Version II and Multiprogramming with a Variable Number of Tasks (MVT).

Features:

Transparent recovery when the failing operation is successfully retried.

Continuation of system operation when the failing operation is not recoverable but the affected task or job can be terminated.

Comprehensive environment records facilitating the analysis and location of failures.

CPU and main storage error recovery and channel error recovery designed as separate independent SYSGEN options.

Under Recovery Management support, an attempt is made to recover from a machine check or channel check by re-executing the failing operation.

If functional recovery from a machine check is not feasible, Machine Check Handler (MCH) attempts to identify the failure with a task in order to repair the failure, if possible, and/or terminate that task. Repair is accomplished if the code can be identified as refreshable and exists as a load module in a library. The MCH also repairs storage protect keys, if possible.

The MCH program contains facilities to analyze both the CPU and main storage, to accumulate environment and analysis data, and to record this data on the SYS1.LOGREC data set.

In addition, messages are sent to the operator regarding the abnormal termination of affected tasks, Recovery Management processing, or system operation.

The Channel Check Handler (CCH) analyzes the environment at the time of a channel check interruption and determines the feasibility of a retry. The results of the analysis are made available to the appropriate Error Recovery Procedure (ERP).

Memory and DASD Requirements

The MCH program has a resident main storage requirement of 6K bytes. Transient modules of 3K bytes operate out of an overlay area within this fixed area. The transient modules require 42K of auxiliary storage on direct-access storage devices. In addition, the resident refreshable nucleus modules require space on the SYS1.ASRLIB.

The CCH has a resident main storage requirement of 4K bytes.

Restrictions and Limitations:

Before a Model 65 installation utilizes Recovery Management, the following must be considered:

- . Recovery Management does not support the Model 67 running in the Model 65 mode.
- . The storage analysis functions are limited to the 2365 Processor Storage.
- . ERPS for unit record devices will attempt recovery on channel data checks (where possible) but will consider all other channel errors as permanent I/O errors.
- . ERPS for telecommunication and graphic devices will not attempt recovery, but will post all channel errors as permanent I/O errors.
- . Because the MCH transient modules on the SYS1. SVCLIB data set are 3K byte load modules, the F44 or F88 versions of the linkage editor must be used to SYSGEN recovery management. In addition, these editors must be used to maintain SYS1.SVCLIB or the allocated blocksize of 3K bytes will be changed to some other value.

*Remote Job Entry for MVT

360S-RC-536

Remote Job Entry provides System/360 with a convenient method of entering jobs from remote work stations. Additional flexibility and control is optionally provided by a Job Entry Control Language. No change to current Operating System/360 Job Control Language is required for the remote capability.

Functional Capabilities:

An OS/360 job may be submitted from a remote work station. This job is identical to a job submitted at a local System/360 card reader with the addition of a few RJE control statements.

The job output may be directed to return to the work station immediately or held until requested by command. An alternate work station or the central installation's output writers may be specified.

The RJE user can request notification of job completion including normal/abnormal completion and any specified user information.

Users are provided with a LOGON and LOGOFF feature for security protection and identification.

The operators at the central processor and remote work stations may communicate with each other.

The central operator is provided with commands that allow additional external control and flexibility for the RJE system.

Additional capabilities are described in the publication IBM System/360 Operating System Remote Job Entry (C30-2006).

Remote Work Stations on Separate lines may be any combination of:

1. System/360 Model 25,30,40,50,65,67 (65 mode) or 75 using BOS/360 or BPS/360 with:

- A minimum of 16K of core storage
- 2701 with Synchronous Data Adapter, Type II, for EBCDIC code with transparency
- Card Read Punch
- Printer
- 1052 Console Printer-Keyboard

2. 2780 Data Transmission Terminal, Model 1 or 2, with:

EBCDIC Transmission Code
EBCDIC Transparency
120 or 144-character print line
Automatic Turnaround (Model 2 only)
Multi-point line control (optional)
Multiple record transmission (optional)
Extended (Enquiry-ENQ) Retry Transmission

3. 1130 Computing System

Minimum System Configurations:

System/360 Model 50,65,67 (65 mode), 75, or 91 with 512K bytes of main storage.

Operating System/360 (MVT) device requirements apply.

The 2701 with either switched or non-switched lines to the multiplexor channel, or with non-switched lines to the selector channel. The Dual Communications Interface special feature is optional on the 2701.

The 2703 may be attached only to the multiplexor channel.

The RJE program permits multiple 2701/2703 units, up to normal system/360 maximums. Also required is Binary Synchronous Communication in EBCDIC code, with full transparency mode.

Direct Access Storage Space for RJE tables and queue areas.

Normally less than one 2311 Disk Storage Drive capacity.

Exact requirements depend on system loading, number of communication lines work stations supported.

*MFT Version II

360S-CI-505

MFT-II significantly extends the facilities and effectiveness of MFT. It is designed to provide a multijob capability for users with 128K or more of main storage. It enables the user to plan an operating environment that meets a variety of requirements.

- . The multiprogramming capabilities have been extended to provide for up to 15 problem program partitions. With this new capability, better utilization of system resources can be achieved by defining a configuration which provides job-to-job transition in any partition for both user applications and systems functions.
- . The job class facility (15 classes) allows the user to optimize the use of systems resources by grouping jobs according to resource requirements, and to control the job combinations that run concurrently.
- . Independent partition scheduling permits jobs to be initiated and terminated in each partition as required (without need for the SHIFT or WAITR operations required in MFT-I). Each partition can be assigned to up to three job classes.
- . Problem program partitions as small as 8K can be defined as long as at least one scheduler size partition (30K or 44K) not containing an unending job is available to service the smaller partitions. The scheduling of small partitions is deferred until job completion in a scheduler size partition. This facility to define partitions based upon job requirements rather than systems requirements should substantially improve storage utilization in an MFT-II environment.
- . Data set integrity serializes the use of designated data sets so that multiple tasks will not concurrently use the same data set.
- . Operator changeable partition definition enables the user to redefine partitions without reinitializing the system. Redefinition capability includes number of partitions, boundaries, and job classes.
- . Disk SYSIN - A 2311 or 2314 disk storage unit can be used as input to a system reader.
- . Multiple input readers (up to three) may be specified, thus enabling as many as three separate input streams to be processed concurrently, along with problem program execution. A 30K or 44K partition is required for the input reader. However, the

reader may be transient so that this partition can also be used for problem programs.

- . Multiple output writers (up to 36) may be specified. Each output writer requires a 10K minimum partition, plus buffer areas if blocking is desired. A writer can be started and stopped under operator control so that this same partition can be used by a problem program.
- . The system restart facility of MFT-II preserves information in the job queue should it become necessary to reinitialize the system. All jobs not yet selected for execution are available for execution after the system is reinitialized. Jobs in execution are flushed. System output data from jobs which have completed execution is saved. System output printing in progress is restarted at the beginning of the data set. System status messages are provided.
- . The user may generate an MFT-II system with either a 30K or 44K scheduler. The scheduler size was increased from 26K to 30K to allocate storage for improvements planned for future releases.

*BTAM 2780

360S-CQ-513

The Telecommunications support under Operating System/360-BTAM with Binary Synchronous Communication is expanded to include the 2780 Data Transmission Terminal (6-Bit TRANSCODE and 8-Bit EBCDIC).

BTAM supports CPU-to-Terminal Binary Synchronous Communication over non-switched (leased or private direct connection) and switched (DIAL) networks when the CPU has the appropriate control unit attached to the multiplexor or selector channel.

Basic Line Control Functions provided for the 2780 are:

- Contention (point to point)
- Normal Text
- Inquiry and alternating replies
- Dial

Disconnect
Multipoint (centralized)
EBCDIC Full Transparent Text

The 2701/3 features supported for use with the 2780 are:

6-Bit TRANSCODE
Dual Communication Interface
Autopoll
8-Bit EBCDIC

* Time Slicing 360S-CI-505
360S-CI-535

Time-Slicing is an option that is selected at System Generation. Time-slice groups and time length are defined by new parameters on the CTRLPROG SYSGEN macro instruction. The definition parameters and functional capability differ in MVT and MFT. However, once the group has been established, the time-slicing effect is the same.

In MVT, multiple groups may be defined to designate the priority and time-slice length for each group at SYSGEN. This configuration may be modified by the operator at NIP time (within the limits of the generated capability). The user causes his jobs to be time-sliced by using the specified priority on his JOB card.

In MFT, only one time-slice group may be defined and it is designated at SYSGEN by specifying (1) A RANGE OF PARTITIONS TO BE INCLUDED IN THE group, and (2) the length of the time-slice. This configuration may be modified or nullified through use of the DEFINE command. The user causes his jobs to be time-sliced by specifying, on his Job card, a job class which will be executed in a time-sliced partition.

Time-slicing operates within the existing priorities of the dispatcher, i.e., the ready task with the highest priority will be dispatched. In operation, time-slicing causes ready tasks within the time-sliced group to be dispatched for a discrete period of time when the group is at the highest ready priority. At the end of the period, another task in the group is dispatched. The effect, then, is to share the CPU capacity between these tasks and thus prevent a compute-bound task from monopolizing the available compute time.

The time-slicing feature is especially desirable in an on-line application, such as graphics, where a uniform response from terminals is desired.

Performance

Selection of time-slicing in a system where all jobs are time sliced and the slice length is greater than 100 ms will increase system overhead by no more than 2%. In an environment where task switching is more frequently caused by the task than the time-slice expiration, this overhead will be reduced.

When time-slicing is selected during System Generation, the core requirements in MFT are increased by 400 bytes. In MVT, the increase is 1300 bytes, plus 16 bytes for each time-slice group defined.

*BTAM on-line Terminal Test 360S-CQ-513

The Telecommunications support under the IBM System/360 Operating System BTAM is expanded to include On-Line Terminal Test Facilities for Binary Synchronous Communications (BSC).

This support provides the ability to test the communications network in a computer system and may be used to diagnose and/or verify hardware malfunctions and modifications.

The following Binary Synchronous configurations are supported:

Computer to Computer

BTAM provides the BSC On-Line Test facility over non-switched (leased or private direct connection) and switched (dial) networks.

IBM System/360* to IBM System/360*

Request for Test (RFT) message initiation

RFT message recognition

Transparent test messages

Strong and weak test patterns

EBCDIC code

USASCII code

Computer to IBM 1130

BTAM provides the BSC On-Line Test facility over non-switched (leased or private direct connection) point-to-point or multipoint (centralized) and switched (dial) networks.

IBM System/360* to an IBM 1130

RFT message recognition

Transparent test messages

Strong and weak test patterns

EBCDIC code

Computer to IBM 2780

BTAM provides the BSC On-Line Test facility over non-switched (leased or private direct connection) point-to-point or multipoint (centralized) and switched (dial) networks.

IBM System/360* to an IBM 2780

RFT message initiation

RFT message recognition

Strong and weak test patterns

EBCDIC code

Transcode (6 bit)

* An IBM System/360 Model 30,40,50,65,67 (in 65 mode), 75 or 91.

*2740 Model 2

360S-CQ-513
360S-CQ-519

Currently available support for the 2740 Communication Terminal, Model 1, under OS/360 BTAM and OS/360 QTAM, is compatible with the new 2740 Model 2.

*Dump/Restore/Initialize

360S-UT-506

Program IEHDASDR incorporates the current functions of the stand-alone DASDI and DUMP/RESTORE programs along with additional features to operate under OS/360. The tapes and direct access volumes produced by IEHDASDR are completely compatible with those produced by the stand-alone DASDI and DUMP/RESTORE. Some features of the program are:

- . Loads and unloads data between DASD and a removable volume.
- . Initializes DASD's by writing home addresses and record zero for each track.
- . Checks and flags bad tracks.
- . Assigns alternate tracks.
- . Initializes tracks to zero.
- . Writes volume table of contents.
- . Dumps, restores, and initializes multiple devices of the same type.
- . Provides for more than one like function executing concurrently within OS/360.
- . Provides for changing the volume label serial number on a direct access device without initializing the volume.
- . Provides for dumping by physical track address, any direct access volume to a list device.
- . Runs under PCP, MFT II, and MVT.

Equipment Configuration

1. System Requirements--The IEHDASDR programs require a minimum 64K of main storage, the standard system residence device, and space on the auxiliary storage for the following data sets:

System Input
Print Output

2. Supported Devices--DASD=2301, 2302, 2303, 2311, 2314,
2321 Tape=2400

Performance

IEHDASDR requires a minimum 64K system and operates at approximately the same speed as the existing stand-alone DASDI and DUMP/RESTORE programs. If more storage is available, better performance will be achieved. Also, better throughput is possible because of the following features:

Dumping those tracks which are actually owned or necessary.

Performing like functions concurrently.

making multiple copies.

*Linkage Editor F - Version II

360S-ED-521

Version II of Linkage Editor F provides performance improvement over Linkage Editor E through the use of better processing techniques, more effective use of main storage and improved I/O handling (blocking and buffering). Faster loading of edited programs will result from the ability of Linkage Editor F to:

- . Block control sections into single text records
- . Prepare larger text blocks - full track blocking on 2303, 2314 and 2301 DASD's
- . Construct overlay structures with up to 255 segments

Version II, which replaces the 44K form of Linkage Editor E, is selectable for execution in 44K, 88K and 128K core storage.

Version II is compatible with all other OS/360 Linkage Editors and will produce correctly operating load modules from modules that have been previously edited by any other OS/360 Linkage Editor.

*Fortran Library Improved Object Time Facilities 360S-IM-501

The OS/360 FORTRAN library has been improved to provide additional information in object time error messages. The error messages include the name of the routine in which the error is detected, a description of the cause of the error, and appropriate supplemental information. The improved messages are available to all users of OS/360 FORTRAN E, G, and H.

There is also a SYSGEN parameter for FORTRAN G and H to provide "control" and "continue Execution" options when an error is detected. The job can be terminated or continued with the following options:

- . Execute a standard or user supplied routine to take corrective action on the data in error and continue execution.
- . Permit a standard or user specified number of error occurrences before termination.
- . Trace-back after a detected error, whether the job terminates or continues.
- . Allow user-written library subroutines to take advantage of the expanded error handling facilities.

There is no significant effect on object time performance for error-free programs. However, additional processing time is required to handle error conditions.

The storage requirement of the FORTRAN library is affected by the addition of improved object time error messages, which result in an increase in the core storage requirements of an object program. This increase is 150 bytes for FORTRAN E, and 400 bytes for FORTRAN G and H, plus an average of 200 bytes additional for each library subprogram called. In addition, if the user selects the optional "control and continue" feature, from 4500 to 5300 bytes of core storage are required for an error monitor, depending upon the action desired.

*Shared 2311 and 2314

360S-CI-505
360S-CI-535

This new capability permits inter-system connection of up to 4 CPUs via a common disk storage pool. Advantages to multiple System/360 users include:

Reduced file maintenance resulting from using single copies of common data - e.g., user programs, data set catalog, procedure library, and application data.

Operational Flexibility due to reduced disk pack mounting and dismounting and the ability to submit jobs to any CPU without concern for library or data location. Note that jobs are executed in the CPU to which they are submitted.

Reduction in disk space requirements since multiple copies of job libraries, catalog, and application data sets are no longer needed.

New approaches to "common data base" applications are possible using the new RESERVE macro instructions.

System configurations include all System/360 models supported by OS/360, and any of the major control program options (PCP, MFT-II, or MVT) of the Operating System.

Shared devices include: (1) The 2311 Disk Storage Drive attached to any Two CPUs using the 2841 Control Unit with Two Channel Switch; (2) The 2314 Direct Access Facility attached to any 2, 3, or 4 CPUs using the Two Channel Switch, and/or the 2844 Auxiliary Control Unit with or without the Two Channel Switch.

Limitations:

- 1) Multiple channel paths from a single CPU to a Shared DASD are not supported.
- 2) Sharing of DASDs between a Model 65 Shared Main Storage Multiprocessing System and one or more other CPUs is not supported.
- 3) Only 2311s are supported for attachment to any shared 2841 control unit.

Functional Details

The OS/360 Shared DASD support uses the RESERVE and RELEASE I/O commands, which are provided as part of the Two Channel Switch feature. These commands are issued automatically by the control program to assure the integrity of system data

sets (VTOC and Catalog), which may be updated by either Control Program. New assembler language macro instructions are provided for application program use in those applications where user data sets are to be accessed and updated by both CPUs concurrently.

Additional details are given in the SRL publication IBM System/360 Operating System Planning for the Shared Direct Access Device Option (C28-6673).

*ALGOL F

360S-AL-531

The ALGOL compiler is now supported in an MVT environment.

*OS/360 Universal Character Set (UCS)

360S-DM-508

A new function of OS/360 Data Management provides support for the UCS feature of the 1403 Printer, eliminating the additional job step to load the character set image into the UCS buffer.

Scope...The support is provided under all OS/360 configurations to all users of BSAM, QSAM, and EXCP for on-line printing. It includes:

- . Loading of the UCS buffer with or without fold.
- . Setting/resetting block data check.
- . Operator mounting of the print chain.
- . Image verification.
- . System control of the character set loaded.

The user can specify that a character set be loaded either at OPEN time (via the DD card) or during execution while the data set is open (via a system macro instruction), thus allowing for changing character sets within a job step. At the time the character set is loaded, the operator is requested to mount the corresponding print chain.

Character Set Definition... At system generation time, the user specifies which of the IBM standard character sets are to be included in his system. User-designed character sets may be added to the system with a simple assemble-link edit procedure. The IBM standard character sets which may be specified at system generation time are:

Character Set

Code	Description
AN	alphameric
HN	alphameric
PCAN	alphameric*
PCHN	alphameric*
PN	alphameric (PL/1)
QNC	alphameric (PL/1-Comm'l)*
QN	alphameric (PL/1-Scientific) *
RN	FORTTRAN-COBOL-Comm'l *
SN	text printing *
TN	text printing
XN	high-speed alphameric
YN	high-speed alphameric *

* preferred character set

As part of his system generation, the user designates which of his selected character sets are default options, i.e., acceptable for use where no particular character set is required.

If no character set is specified, the set that is currently loaded will be used if it has been designated as a default option; otherwise, the operator will be requested to specify the set to be used.

MFT and MVT Special Consideration...Since UCS support is effective only for on-line UCS printers, the UCS control information is lost when data sets are passed across intermediate storage devices. Therefore, data sets requiring the same UCS characteristics should be grouped together on the intermediate storage device (e.g., using the SYSOUT Class capability) and printed with the common set of UCS parameters.

Conversion from IEHUCSLD...This new support supercedes the present IEHUCSLD utility program which loads the UCS buffer. IEHUCSLD will be withdrawn after the next release of OS/360.

Conversion is effected by deleting the job step that executes IEHUCSLD and supplying the corresponding UCS parameters in the DD card to define the UCS printer data set for the output writer class.

Users should be aware that the IEHUCSLD Utility and the new USC support are not compatible, since the utility does not maintain the control information required by the new support. Consequently, during the conversion period, users are advised to designate all of their character sets as defaults, thus causing the new support to recognize only specific UCS requests (i.e., converted jobs). IEHUCSLD jobs will continue to run as default jobs under the new support without intervention.

System Configuration...UCS support operates under all OS/360 configurations; it is applicable only to the 1403 Printer with the UCS feature.

Performance...The input/output time required to load the UCS buffer is overlapped with the time required to mount the new print chain.

Storage Requirements...The fixed main storage requirement is increased by eight bytes for each UCS printer UCB. A UCS load at OPEN requires 272 bytes of temporary storage in addition to the current OPEN requirement. A UCS load performed during program execution requires 736 bytes of temporary storage plus a 32-byte call linkage assembled in the problem program. UCS support modules and the character set image library reside on the system residence volume and require approximately three tracks on an IBM 2311 Disk Storage Drive.

*Graphic Job Processor (GJP)

360S-RC-541

This new processor allows an application user, such as an engineer, to conveniently initiate and control jobs directly from the 2250 Display Unit. In addition, the application programmer will find that GJP speeds the preparation of Job Control Statements by asking for essential information and automatically formatting it for OS/360.

The jobs which have been defined and scheduled may be run in the foreground with or without the 2250 Display Unit, or may be requests for background processing in batch mode.

The Graphic Job Processor elicits job control information from a user by presenting displays on the 2250 screen. The user responds to the display by entering requested information and/or selecting appropriate options using the alphabetic keyboard, or a combination of the alphabetic keyboard and the light pen. This procedure replaces the current requirement for submitting standard Job Control Statements via the job stream. Once information is entered,

the Graphic Job Processor converts it into OS/360 Job Control Language format, and submits the job for processing at the user's request.

The Graphic Job Processor provides operations that allow the user to:

- . Identify himself to the system (LOG ON).
- . Define one or more job steps (SPECIFY JOB STEP).
- . Identify data to be used in a job step (DESCRIBE DATA).
- . Start the processing of a job (BEGIN JOB).
- . Start a cataloged procedure (BEGIN PROCEDURE).
- . Communicate with the system operator (WRITE MESSAGE).
- . Enter 80-character data or job control records (ENTER DATA).
- . Cancel a job he is currently defining (CANCEL JOB).
- . Repeat previously completed operations (RECALL).
- . Complete use of the 2250 and prepare it for the next user (LOG OFF).

The Graphic Job Processor provides:

- . Simplified job control operations, directed toward users who are not familiar with the details of OS/360.
- . Description, initiation, and control of job processing exclusively from the 2250.
- . Concurrent use of several 2250's, with each user's control operations and subsequent job processing occurring independently of other users.
- . Queued jobs for batch processing (using main storage areas and facilities that are not associated with the 2250), allowing the user to continue his operations at the 2250.
- . A printed listing of the user's operations at the 2250.
- . Messages displayed on the screen to inform the user of system actions pertaining to his job.
- . JCL statement entry directly in OS/360 format.

Note that the use of the Graphic Job Processor from a 2250 does not replace the normal OS/360 console requirement.

Approximate Main Storage Requirements

Graphic job processing capacity is a function of core storage available, operating system options used, and application requirements.

Example 1: System/360 with 256K main storage, using MFT II will support up to three graphic partitions:

Control program nucleus, (Note 1)	44K
Output writer	10K
Graphic Interface Task (GFX)*	10K
Graphic application A using 2250**	60K
Graphic application B using 2250**	60K
Graphic application C using 2250** or batch processing from normal job queue	<u>72K</u>
	256K Total

Example 2: System/360 with 512K main storage, using MVT:

Resident Control Program and one output writer (Note 2)	118K
Graphic Interface Task (GFX)*	10K
Graphic application A using 2250**	60K
Graphic application B using 2250**	60K
Graphic application C using 2250**	60K
Graphic application D using 2250**	104K
Available for one initiator (FORTRAN G jobs)	<u>100K</u>
	512K

*The Graphic Interface Task (GFX) is started and stopped by the operator and must be in main storage when any partition or region is using the Graphic Job Processor or executing a foreground job started by the processor.

**Each graphic partition or region must be at least 60K for processor operations. The application scheduled by the processor may require more than 60K and the user should plan his main storage requirements accordingly.

System Requirements

- . Either of the multiprogramming configurations (MFT II or MVT) of Operating System/360.
- . Graphic Programming Services with Basic Attention Handling (360S-IO-523).
- . IBM 2250 Display Unit, Model 3 equipped with a minimum of 4096 bytes of buffer storage and the alphameric keyboard, or the Model 1 with these two features and and the character generator.

Reference Publications: IBM System/360 Operating System:
Users Guide for Job Control from the IBM 2250 Display Unit
(C27-6833)

Note 1: Control program size estimate includes: A multiplexor channel, a selector channel, a 1052 console, three unit record devices, three 2250 Display Units, three 2400 Magnetic Tape Drives, three 2311 Disk Storage Drives, Graphic Programming Services, Storage Protection, SER1, interval timing, selected resident QSAM, BSAM and graphic access modules, and work space for five partitions.

Note 2: Control program size estimate includes: A multiplexor and two selector channels, a 1052 console, five unit record devices, four 2250 Display Units, twelve 2400 Magnetic Tape Drives, one 2314 Direct Access Storage Facility, four additional transient areas, Job Step Timing, SER1, a link pack area, a system queue area of 20K, and Graphic Programming Services.

*Incremental Improvements

*Checkpoint/Restart Expanded Support

PCP Checkpoint/Restart device support has been expanded to include checkpoints on the 2314 direct access unit and 2400 Dual Density Tape Units. In addition, all I/O operations for the step being checkpointed will automatically be quiesced at checkpoint time.

*OS/QTAM Dial Support

OS/QTAM improved dial support includes two-way communications for terminal initiated calls and eliminates the need for queue priming for busy lines. It also allows conversational mode to be used on any line in a multiple line communications group.

*Sysgen Data Set Disposition

This support allows the user greater flexibility in allocating the utility data sets, SYSUT1, SYSUT2, SYSUT3 and the work space used by IEHMOVE utility program during system generation. To implement this support, three optional parameters, UTDISP, UTVOL, and UTNAME have been added to the GENERATE macro.

The value of the UTDISP parameter results in the following:

1. SYSUT1 and SYSUT2 will be kept, uncataloged, or deleted after the SYSGEN Stage II assembly steps.
2. SYSUT3 will be kept, uncataloged, or deleted after the Stage II link edit steps.

Steps executing IEHPROGM will provide the requested dispositions.

Information supplied by UTVOL and UTNAME will be used by the Sysgen Stage II IEHMOVE step to allocate work areas.

JCL for Stage II is modified to reflect the requests.

*Support for the 2844 Control Unit

Support is provided for the 2844 Control Unit on a single CPU which permits two access paths to each of the 2314 disk packs. This support is not available with Model 65 Multiprocessing or on a single CPU to a Shared 2314 Direct Access Storage Facility.

*Priority Engueueing of I/O Request

Priority Queueing of I/O Requests enables the MVT and MFT user (during SYSGEN) to declare a priority or FIFO queueing method for each device. I/O requests to a priority queued device will be given the priority of the task requesting the I/O operation. It provides a means for example, to improve response time of graphic or teleprocessing applications which run as foreground programs while batch programs are running in the background. In this application the priority defined device should be the DASD which contains the program libraries.

*2250 Display Unit as an Operator's Console

The IBM 2250 Display Unit, Model 1, may be used as a primary console in an MVT system on 360 Models 50,65,75, and 91. It provides the same function as the current IBM 1052 printer keyboard or composite console, with the following added advantages:

1. Faster communications between the operator and the system.
2. Display of more optional information than is feasible with a typewriter.

All messages directed to the 2250 operator's console must also be written on a hard copy device. If either an IBM 1052 Printer-Keyboard or a composite console is specified as an alternate console, a hard copy of commands and messages is provided on the 1052 or the composite console printer. Hard copy is mandatory for maintenance.

The following features are required on the 2250 Display Unit, Model 1, to utilize it as an operator's console:

A 4096 byte buffer

A lightpen

An Alpha Numeric Keyboard

A Character Generator

*MVT Job Class Facility

The Job Class Facility allows more efficient use of system resources by the user. A user can, for example, classify jobs according to the system resources required and then control the combination of job classes that run concurrently. Initiators can be started, stopped, or modified by operator command for any of 15 classes of input jobs. In addition, as many as seven secondary job classes may be specified for an initiator so that processing from queues of secondary classes will be done after all work in the primary class has been completed. Job priority within each class is maintained for a given initiator; thus, a low priority job in the primary class will be processed before a high priority job in a secondary class. The job CLASS parameter on the job statement is compatible with MFT Version II.

*RPG-Sequence Check Source Deck

RPG will check the user's source deck to insure that the page/line entry in each specification is greater than the page/line entry in the previous specifications. An out-of-sequence specification will be flagged with an S.

The OS RPG sequence check is a compiler option. In the EXEC statement the parameter PARM=SEQN must be specified to invoke sequence checking of the source deck. If no sequence check is desired, the prefix NO must be added to the key word SEQN. If the option is omitted from the PARM parameter, NOSEQN will be assumed.

*RPG-L0 Indicator Removal

This change eliminates RPG object time tests for indicator L0 being on when L0 is specified in columns 7-8 and 9-17 of the calculation specification, or columns 23-31 of the output-format specifications.

*RPG-Improved Cataloged Procedures

Conditional data set disposition is implemented as follows:

1. DELETE is added to the DISP parameter of the SYSGO data set in the compile step.
2. DELETE is added to the SYSLMOD data set in the Link Edit step.

*RPG-Dual I/O Area Entry

OS/360 RPG now allows Dual I/O area entries of 1 through 9 in column 32 of the file description specification, where blank was formerly the only acceptable entry. This change ensures compatibility with the Dual I/O improvement in other RPG compilers, but has no effect upon the generated program.

*OLTEP Tape Gap Timing

The tape gap timing improvement to OLTEP allows tape gap measurement tests to be performed under control of OS/360. This improvement provides greater test coverage of I/O devices with the on-line test system and allows gap timing tests to be performed without the customer having to relinquish the entire system for testing.

*OLTEP Unit Test Communication

The unit test communication improvement to OLTEP provides the ability for unit tests to communicate with other unit tests scheduled for a given device. This improvement allows unit tests that require communications with the operator to operate more efficiently.

*EREP Support for System/360 Model 67 in Model 65 Mode

An OS/360 SYSGEN'ed for Model 65 can be run on a Model 67 in 65 mode. However, on the occurrence of a machine check, the logout is slightly different for a Model 67. This incremental improvement modifies the Environment Record Edit and Print program for the Model 65 so it will be possible to print out the Environment Records created for a Model 67, giving the correct labels and contents of the Model 67 logout.

*System/360 Model 91 SER and EREP

This incremental improvement supports several engineering changes associated with the Model 91 logout.

*IEBISAM Utility Program

The COPY and PRINT of logical records of an ISAM data set have been added to the functions of the IEBISAM utility program.

*Duplicate Generated Volume Serial Numbers

This improvement to OPEN and EOVS will eliminate, within limits, the internal generation of duplicate volume serial numbers for unlabeled nonspecific output tapes. Previously, this internally generated serial number was of the form LGLXXX where XXX represented the volume sequence number. Each data set on unlabeled nonspecific tapes had volume serial numbers assigned of LGL001, LGL002, etc., causing duplication.

This change causes the internally generated serial number to be of the form LXXXYY, where XXX represents the data set sequence number from IPL to IPL and YY is the volume sequence number. Each volume serial number is unique, unless there are more than 1000 data sets created with L-type serial numbers between IPL's or there are more than 100 volumes in a data set.

*Tape Block Count Discrepancy

On standard labeled input tapes, the block count in the trailer label is compared with the block count in the DCB by EOVS. The count in the trailer label reflects the number of blocks written when the data set was created. The DCB block count is the number of blocks read when the tape is used as input. Presently, if these counts are unequal, an ABEND X'237' will result.

This improvement will allow the user the option of continuing processing if unequal count compare occurs. This is provided by a new user exit, specified in the DCB exit list. After this user exit is taken, a return must be made to EOVS, and a return code will cause either an X'237' ABEND or cause normal processing to continue.

*Graphics ATTNIHQ Macro

This improvement enables the graphics ATTNIHQ macro to be re-entrant by providing the L and E forms of the macro. This will improve the coding of routines which establish and maintain communication between the display unit operator and the attention handling routines.

*Graphics GSP SPEC

This improvement increases performance by allowing the user to specify frequently used modules as LOAD modules.

*Graphics-GSP Allow PFK #0

This improvement allows the use of PFK #0 as an attention source within GSP, thus increasing the number of attention interrupts which may be programmed.

* Job Step Timing in MVT

The meaning of the TIME parameter on the EXEC card is changed. The TIME parameter previously specified a limit on the sum of the CPU time plus the unoverlapped wait or I/O time of a job step. The time parameter will now be a limit on CPU time only.

The job step time value provided to the user accounting routine will be a measure of the CPU time used by the job step rather than the CPU and unoverlapped wait and I/O time.

Because the TIME parameter on the EXEC card will no longer limit the wait time of a task, a wait time limit of 30 minutes will be provided to prevent a step from entering an unending wait state. A job step that is using job step timing will be cancelled if every task in the step is in a wait state for more than 30 consecutive minutes.

* Execute Step After ABEND

The facility to optionally execute a job step after a prior job step has abended is provided. Two new parameters are available for use in the "COND" field of the "EXEC" statement. "COND=EVEN" allows the step to execute whether or not a prior step has abended. "COND=ONLY" causes the step to be bypassed unless a prior step has abended. The abend is defined as a failure which occurs during program execution. This greatly increases the usability of TESTRAN, for example, by allowing the TESTRAN editor to execute as the last step for an assemble, linkage edit, go and edit job (COND=EVEN). It also provides a debugging tool, allowing a step to print out data sets being modified by the program which abends (COND=ONLY).

* Improved Mount and Dismount Messages

Job Scheduler messages to the operator requesting volumes to be mounted, removed, and kept, will provide label type for scratch tape requests, job name, job step name, and data set name (optional). Data set names will be included in the messages when DISPLAY DSNAME has been entered.

* AVR in MFT II and MVT

Automatic Volume Recognition (AVR) is now available in MVT and MFT II systems. AVR decreases the time required for job step initiation by enabling the operator to mount volumes needed for subsequent job steps as devices become available. During subsequent job step initiation, AVR recognizes that the volumes have been mounted. When the volume is needed, the AVR routine can identify and allocate the device on which it is mounted, thus saving the time that the system would otherwise spend waiting for the operator to find and mount the volume. AVR handles 7-track tape having a density specified at SYSGEN time, 9-track tape, and 2311 and 2314 direct access devices.

AVR is efficiently utilized when the user has the ability to predict his volume requirements before hand. In systems with priority scheduling, therefore, AVR will be useful only to the user who can create an orderly, predictable job stream. The user should attempt to create such a job stream through the use of the priority and job class JCL parameters. Unless he can do so and therefore predict his volume requirements, AVR is not recommended.

* Automatically Find SYS1.PROCLIB and SYS1.SYSJOBQE

If the data sets SYS1.SYSJOBQE and SYS1.PROCLIB are not specified on the SET command, the system looks in the catalog. If the data set is not cataloged and the control program is either MFT II or MVT, the system searches the device specified at SYSGEN. If the data is not on that volume, the system interrogates the VTOC of the IPL volume. If the data set is not cataloged and the control program is PCP, the system searches the IPL volume. If the data set cannot be verified, the system waits for an operator indication that the data set is mounted.

* Blocked SYSIN

The blocked SYSIN capability in MVT and MFT II is accomplished by specifying in JCL the DCB attributes of data sets in the input stream. This facility provides a means for the problem programmer to designate DCB blocking and number of buffers for his SYSIN data set.

* JCL Continuation Card and Comment Card Improvements

To continue the operand on a JCL statement, a non-blank character previously was required in Column 72, and Columns 4-15 of the continuation card had to be blank.

These improvements remove the necessity for a non-blank character in Column 72 when continuing an operand, and allow continuation of operands and comments beginning in Column 4 of the continuation card.

A new comments card is defined. It has "/*" in Columns 1-3. This card cannot be continued.

A new SYSOUT format has been developed. All cards that are continuations of comments will have an "*" in Column 3. Comments cards will have their "/*" changed to "****". Cards coming from a cataloged procedure will have "XX" in Columns 1-2. Comments will be treated similarly to job stream JCL.

* Abbreviated Operator Commands in PCP

In PCP systems, operator commands may now be abbreviated. The commands and their abbreviations are as follows:

<u>Command</u>	<u>Valid Abbreviation</u>
CANCEL	C
DISPLAY	D

MOUNT	M
REPLY	R
START	S
STOP	P
UNLOAD	U
VARY	V
SET	T

*Cataloged Procedures for Initiators in MVT

Increased system availability is provided by starting initiators from cataloged procedures as the Master Scheduler attaches programs specified in these procedures as subtasks. Errors that previously caused the system to ABEND will now cause only the initiators to ABEND. The initiator is now processed in the same manner as readers and writers. In addition, the user may now add cataloged initiator procedures which will specify the job classes which are to be processed when the initiator is started. A standard cataloged procedure, named INIT, is provided by IBM so that compatibility with current user practices of starting and stopping initiators is maintained.

DD statements may be added to the cataloged initiator procedure so that system resources will be allocated to the initiator. For example, user jobs which require a specific control volume may be assigned to a unique job class. A cataloged procedure can then be written to cause processing of this job class after the required control volume has been mounted and allocated to the initiator as a result of a start command. The required control volume would remain mounted for the life of an initiator started by that cataloged procedure.

* MVT Job Accounting User Interface

MVT now provides an exit at step initiation time that can be used by the installation for its own accounting routines. This exit is the same as the one provided for MFT and PCP.

*MVT Program Loading

The MVT PCI Fetch function has been improved to provide faster program loading from the 2301 drum on Models 65 and 75 and from all DASD devices on the Model 50. This change in no way affects the operational characteristics of MVT. The only external change is an improvement in system performance.

* DISPLAY_Operator_Command

Additional operands added to the DISPLAY operator command enable the operator to obtain a list of:

The number of jobs

The job names on each of the system queues

The ID of each message awaiting an operator reply

The unit number of each device for which a mount message has been issued, but not complied with

The time of day on all job started and ended messages (where the system is SYSGENed to include the timer)

The AVR mount messages which have been issued but not complied with.

*Error Recovery

The error recovery transient area is expanded from 400 bytes to 1024 bytes to permit both functional and performance improvements. The tape error recovery procedure routines are improved and support is provided for the Channel Check Handler portion of Model 65 Recovery Management support.

Users should evaluate their available storage to determine whether they will have sufficient core to accommodate the 624 byte increase. If the user must reduce his storage allocation to accommodate this change, one possibility is to analyze the I/O specifications in terms of actual need. Elimination or reduction of unnecessary items will reduce the nucleus size.

*Operational Improvements to IPL

The number of key strokes necessary in the initial load procedure (IPL) has been reduced. During IPL, the operator may strike the "EOB" character as a reply to the message "Specify System Parameters". This will cause the system to use the parameters specified in the SYSGEN process. Additionally, this improvement permits the use of lower case characters and allows the use of commas as parameter delimiters.

*ENGINEERING REQUIREMENTS

There are no new engineering change (EC) requirements beyond those required for Release 14, except for support of the following new functions. For these functions, the added EC requirements are:

Model 65 Recovery Management - EC #705255 and EC #705256 on the 2065. For systems having over 512K of storage, EC #705341 is also required.

Remote Job Entry - EC #307050 on the 2703 Transmission Control Unit.

Shared 2311 and 2314 - EC #420919 and EC #420945 on the 2314; EC #413410 on the 2841; and EC #420919 and EC #420945 on the 2844. In addition, channels sharing direct access storage devices must have the isolation feature on the channels and control units involved.

MVT Program Loading, (PCI Fetch)- EC #705807 and EC #705864 on the 2860. EC #705319 on the 2846.

Universal Character Set (UCS) - EC #125632 on the 2821.

BTAM/RJE 2780 EBCDIC - EC #255761 on the 2040; EC #707039 on the 2050; EC #419631 on the 1131; and EC #305857 on the 2701.

BTAM/RJE 2780 - EC #307755 on the 2780 (models 1 and 2). This is the Extended (Enquiry-ENQ) Retry Transmission Feature.

Point-to-Point - EC #814837 on the 2780 (models 1 and 2).

Multipoint - EC #814843 on the 2780 (models 1 and 2).

*Programming Logic Changes (PLC)

A PLC is a special form of PTF designed to provide early availability to the field of design improvements in the areas of reliability, availability and serviceability. PLCs will be assigned a PTF number and handled by Field Engineering the same as a PTF.

The PTF shipped with Release 15/16 contains two programming logic changes (PLC) in Link Edit form:

PLC #12721 applies only to a Release 15/16 system generated with the MVT control program option.

PLC #11943 applies only to a Release 15/16 system generated with the MFT control program option.

Both PLCs are designed to increase system availability by reducing the impact of system ABEND wait states, e.g. F03 - ABENDs, on system operation. The increase in system availability is achieved by (1) isolating the ABENDING region or partition when a system wait state would have occurred and (2) allowing the other regions or partitions to continue processing. The net result is a fail-soft effect accompanied by a graceful degradation of system resources. The ABENDING region or partition remains in the same state as existed when the ABEND occurred, thereby permitting the problem to be analyzed when a stand-alone core dump can be taken. The computer operator is informed of the system's state by a message on the console typewriter. The message indicates the ABENDING task name or partition identification and the wait state code that would have occurred.

The IBM Customer Engineer should be consulted for further information regarding the PLCs and the PTF.

*Sysgen Considerations

If a Release 14 system is used as the driver to sysgen Release 15/16, the IEHIOSUP and IFCDIP00 programs in the SYS1.LINKLIB of the driver must be replaced with those from the Release 15/16 SYS1.MODLIB.

The TRNMODE parameter has been deleted from the IOCONTRL macro as shown in the IBM System/360 Operating System Sysgen Generation SRL (C28-6554) for Release 15/16. User decks containing this parameter should delete it prior to the Sysgen of Release 15/16. Inclusion of this parameter will now result in a diagnostic message and no output from Stage I.

APAR number 16119, which affected the starter system, has been corrected.

Distribution Procedures

The addition of functions, new features, incremental improvements and maintenance has resulted in an increase to the Operating System that requires changes to the distribution procedures.

One change is the relocation of SYS1.SAMPLIB, in the distribution libraries, from DLIB02 to DLIB01. The relocation of SYS1.SAMPLIB applies to both the two and the three volume distribution libraries. Users should review the IBM System Reference Manual OS/360 System Generation (C28-6554) before performing a system generation.

To accommodate the user who must perform a system generation on configurations with only two 2311 Disk Drives, customize systems will be distributed. Customization applies only to the two drive user who indicates on his order that he will use two disk drives for system generation. This should be stated on the back of the attached Program Order Card. All other orders will be filled by supplying the full set of available OS/360 components. If the Starter System is ordered, it will always appear on DLIB01. If the Starter System or Primary Control Program or both are not ordered, then the order of the libraries received may not be the same as described in the System Generation SRL (C28-6554). The organization of the data received may be determined by reviewing the Volume Table of Contents for each disk pack.

Users who order Release 15/16 should submit either two or three reels of full width test magnetic tape or two or three 1316 disk packs for IBM 2311 Disk Drives, depending on whether a customized system or full operating system is ordered.

The full OS/360 Release 15/16 for 2314 system residence is contained on one 2316 Disk Pack. The 2314 system requires two DUMP/RESTORE tapes, one contains tracks 0 through 1400, the second contains remaining data. Users should submit either two 9 track or two 7 track, full width test magnetic tapes when ordering for a 2314 system. The DUMP/RESTORE control cards necessary are described in the program material list for Release 15/16.

Attachment
 Users of IBM Operating System/360
 Release 15/16
 Ordering Procedure

Enclosed you will find a prepunched Program Order Card for IBM Operating System/360. This card, following IBM Branch Office approval, should be used to order Release 15/16 from the Program Information Department.

The prepunched card which you have received contains an alpha/numeric code for each OS/360 component (other than 360S-CI-505) for which you are currently receiving maintenance. These alpha/numeric codes are printed on the prepunched card and represent the component program number as follows:

<u>CODE</u>	<u>PROGRAM NUMBER</u>	<u>COMPONENT NAME</u>
A	360S-AS-036	ASSEMBLER E
B	360S-AS-037	ASSEMBLER F
C	360S-DM-509	BASIC DIRECT ACCESS METHOD
D	360S-CO-503	COBOL E
E	360S-LM-504	COBOL E LIBRARY
F	360S-FO-092	FORTRAN E
G	360S-LM-501	FORTRAN LIBRARY
H	360S-UT-507	INDEPENDENT UTILITIES
I	360S-IO-526	INDEX SEQUENTIAL ACCESS METHOD
J	360S-ED-510	LINKAGE EDITOR E
K	360S-ED-521	LINKAGE EDITOR F
L	360S-UT-506	OS/360 UTILITIES
M	360S-NL-511	PL/I F
N	360S-LM-512	PL/IF SUBROUTINE LIBRARY
O	360S-DM-508	PRIMARY DATA MANAGEMENT
P	360S-RC-038	REPORT PROGRAM GENERATOR
Q	360S-DN-527	SER0, SER1, EREP MOD/40
R	360S-DN-528	SER0, SER1, EREP MOD/50
S	360S-DN-529	SER0, SER1, EREP MOD/65
T	360S-SM-023	SORT/MERGE
U	360S-CI-514	STARTER SYSTEM (2311 SYSRES)
V	360S-PT-516	TESTRAN
W	360S-IO-523	GRAPHIC PROGRAM SERVICES
X	360S-CB-524	COBOL F
Y	360S-LM-525	COBOL F LIBRARY
Z	360S-CQ-513	BASIC TELECOM ACCESS METHOD
1	360S-FO-500	FORTRAN H
2	360S-FO-520	FORTRAN G
3	360S-CQ-519	QUEUED TELECOM ACCESS METHOD
4	360S-DN-530	SER0, SER1, & EREP MOD/75
5	360S-AL-531	ALGOL
6	360S-LM-532	ALGOL LIBRARY
7	360S-CI-534	STARTER SYSTEM (2314 SYSRES)
8	360S-CI-535	MVT
9	360S-DN-533	ON LINE TEST EXECUTIVE PROGRAM
0	360S-LM-537	GRAPHIC SUBROUTINE PROGRAM
\$	360S-DN-539	RECOVERY MANAGEMENT MOD/65
*	360S-RC-536	REMOTE JOB ENTRY
#	360S-RC-541	GRAPHIC JOB PROCESSOR

If documentation and maintenance are required for any additional OS/360 components beyond those which were previously ordered, please indicate their program numbers on the back of the prepunched card marking "ADD" next to each entry.

If you wish to discontinue receiving maintenance on any components which were previously ordered, please indicate their program numbers on the back of the prepunched card, marking "DELETE" next to the entry.

Any discrepancies between the material received and the above list should be directed to the attention of the manager of the Program Library providing your programming systems.

Please contact your local IBM representatives to discuss the standard programming error reporting (APAR) procedure.

This program has been registered by system type and is listed under name and address shown on your order. Program modifications as and when made by IBM will be sent to this same address. Should there be a change in your system type or in your address, or should you no longer need maintenance on any of those programs, we would appreciate your notifying your IBM Branch Office.

The attached Component Size Table provides 2311 track space requirements for the distributed components. Individual components (such as FORTRAN H) require the corresponding level of SYS1.GENLIB which is distributed as part of the Primary Control Program (360S-CI-505). PCP should therefore be ordered in all cases. Orders requiring customization should be reviewed to insure that there is sufficient work space on the distributed disk packs for a two drive system generation.

Component Name	Component Number 360S-	Notes	DISTRIBUTION VOLUME SPACE (2311 TRACKS)									
			STARTER SYSTEM	PROCLIB	PLLIB	FORTLIB	COBLIB	SORTLIB	SAMPLIB	MODLIB**	GENLIB	MACLIB
Starter System (for 2311)	CI-514	7	700									
Primary Control Prog. MVT	CI-505	1,8		5					18 185	1331	84	
Primary Date Mgmt. BDAM	CI-535	9		2					57		5	
ISAM	DM-508	1							72		105	
BTAM	DM-509	5							8		2	
RJE	IO-526	6							50		4	
QTAM	CQ-513								18		51	
Graphic Job Processor	RC-536	10							30		26	
Graphic Subroutine Program	CQ-519								33		52	
Graphic Program Services	RC-541								40			
ASSEMBLER E	LM-537							6	29			
ASSEMBLER F	IO-523	3							14 19		119	
TESTSTRAN	AS-036	1		3				9	42			
Sort/Merge	AS-037	4		3					38			
Linkage Editor E	PT-516			4					26		51	
Linkage Editor F	SM-023			2			11	14	77			
OS/360 Utilities	ED-510	1		2					29			
Independent Utilities	ED-521	1,4							20			
Cobol E	UT-506	1		2				9	97			
COBOL E Library	UT-507	1						32				
COBOL F	CO-503	5		3				28	98			
COBOL F Library	LM-504	3			13							
FORTTRAN E	CB-524	5		3				4	88			
FORTTRAN G	LM-525	3							9			
FORTTRAN H	FO-092	5		4				9	31			
FORTTRAN Library	FO-520	5		3				10	24			
PL/I F	FO-500	5		3				6	158			
PL/I F Library	LM-501	3			1				40			
RPG	NL-511	5,6		4				4	297			
SERO,SER1 & EREP for Model 40	LM-512	3			70				43			
SERO,SER1 & EREP for Model 50	RG-038			3				3	49			
SERO,SER1 & EREP for Model 65	DN-527	2							19			
Recovery Management Mod/65	DN-528	2							19			
ALGOL Library	DN-529	2							22			
ON-Line Test Exec. Prog	DN-539	2,3							16			
ALGOL	DN-530	2							20			
ALGOL Library	AL-531			3				3	29			
	LM-532	3							17			
	DN-533	2							7			

*DLIB01 if space is available and if the Starter System or the Primary Control Program or both are not ordered.

NOTES:

1. Minimum component for a system able to perform system generation. See also Note 4 where appropriate.
2. Recommended use.
3. Used by and required with the preceding component (s) in the chart.
4. Alternative component to the preceding component in the chart. Either or both may be selected.
5. BDAM is required by the direct access statements of COBOL, FORTRAN and PL/I.
6. ISAM is required by PL/I object programs using the Indexed Organization.
7. Required with initial order; subsequent orders may be processed by the user's own system. The Starter System actually contains several libraries, as described in the System Generation SRL (C28-6554).
8. Required with orders for processors, since the SYS1. GENLIB contains the related system generation macro instructions.
9. MVT users must order both 360S-CI-505 and 360S-CI-535.
10. RJE users must order 360S-CI-535, 360S-DM-509 and 360S-CQ-513

HARDWARE ENGINEERING CHANGE LEVELS

This section defines, by hardware component, the minimum Engineering Change levels known to be required for implementation of a specific Release.

Under each "Release No." column, EC and/or REA requirements are listed (by feature when applicable) for machine types affected.

The changes listed under a specific Release column define the minimum EC level required to advance to this Release from a previous Release.

EC LEVEL FOR S/360 PROGRAMMING/HARDWARE COMPATIBILITY

	RELEASE 1	RELEASE 4/5	RELEASE 7	RELEASE 8
1131				
2030	HARDWARE-126731 1401 COMP-128105 MICRO-PRG-128052		MICRO-PRG-128062	
2040	HARDWARE-254794 MICRO-PRG-255261			SERO & 1 ONLY MICRO-PRG-255265
2050	HARDWARE-255458 MICRO-PRG-256469			OPT2-256488 & REA 02-40430 & 40365 RPG ONLY-256907
2065	7051C1			COBOL F-705226
2067	705287			
2075	705636			
2314				
2400	254969			
2403 2803	255981 730017		7-TRACK READ BACKWARD REA 24-00842	
2404 2804	255982 730018		7-TRACK READ BACKWARD REA 24-00810	
2701				
2702				
2703				
2780				
2821	BASIC-125598 UCS-125632			
2841			413201 413202	
2844				
2846				
2848	MICRO-PRG-413140 HARDWARE-413160	DISPLAY CONTROL UNIT ADDRESS 0 709304		
2860				
2870				
ANY CHAN				
ANY CTRL UNIT				

THIS CHART IS PROVIDED TO INSURE THAT EACH S/360 ACCOUNT CE IS AWARE OF THE MINIMUM EC LEVEL REQUIRED TO RUN THE S/360 OPERATING SYSTEM. FOR DETAILED INFORMATION, REFER TO THE ECA CHART FOR EACH INDIVIDUAL UNIT.

EC LEVEL FOR S/360 PROGRAMMING/HARDWARE COMPATIBILITY

	RELEASE 9	RELEASE 10	RELEASE 12	RELEASE 13
1131				
2090				
2040		2303/2314-256857 OR REA 02-06138		
2050			MVT ONLY-257674 ECA 167	
2065				
2067				
2075				
2314		MICRO-PRG-416155 REA 13-32087 & REA 13-32088		420901 420653 REA 13-32822
2400	730742			
2403				
2803				
2404				
2804				
2701				
2702		DIAL DISABLE 305393 & 305396		305396
2703				
2780				
2821				
2841		W/2303-413202&REA 13-20616 STAGE 2 W/2311 & 2303 OR 2321 413404 OR REA 13-20601		
2844				
2846				
2848				
2860				
2870				705801
ANY CHAN				
ANY CTRL UNIT				

EC LEVEL FOR S/360 PROGRAMMING/HARDWARE COMPATIBILITY

1131	RELEASE 15/16 BTAM/RJE 2780 EBCDIC-419631 ECA 1			
2030				
2040	BTAM/RJE 2780 EBCDIC-255761 ECA 125			
2050	BTAM/RJE 2780 EBCDIC-707039 ECA 19			
2065	RMS ONLY-705255 ECA 105 RMS W/STG GREATER THAN 512K-705341 ECA 144			
2067				
2075				
2314	SHARED DASD 420919 ECA 79 420945 ECA 80			
2400	730742			
2403 2803				
2404 2804				
2701	BTAM/RJE 2780 EBCDIC-305857 ECA 46			
2702				
2703	RJE-307050 ECA 39			
2780	BTAM/RJE 2780 307755 MODS PT/PT-814837 1 & 2 OR REA 23-03210 MULTPT-814843 OR REA 23-03210			
2821	SAM PRINTER SCHED 125632 ECA 49			
2841	SHARED DASD 413410			
2844	SHARED DASD 420919 ECA 32 420945 ECA 33			
2846	PCI FETCH 705319 ECA 2			
2848				
2860	PCI FETCH 705807 ECA 44 705864 ECA 55			
2870				
ANY CHAN	IF CHAN SHARING DASD, ISOLATION FEATURE IS REQD.			
ANY CTRL UNIT	IF CHAN SHARING DASD, ISOLATION FEATURE IS REQD.			

NO ADDITIONAL EC ACTIVITY IS REQUIRED TO ADVANCE TO RELEASES 2, 3, 6, 11, 14 AND 14CMR FROM THE PREVIOUS RELEASE.

SECTION 2: MAINTENANCE ACTIVITY

LIST OF PROGRAM TEMPORARY FIXES RESOLVED

This listing shows the Program Temporary Fixes (PTFs) that have been incorporated into the Operating System with this release.

LIST OF APARS RESOLVED

This listing shows the APARS (Authorized Program Analysis Reports) fixed with this release. A description of each APAR is contained in the "Maintenance Prose" document distributed separately.

LIST AND DESCRIPTION OF SYSTEM PROSE ITEMS FIXED

This section lists and describes the System Prose items that are fixed by this release and are consequently no longer in effect.

PROGRAM SYMPTOM INDEX FOR CORRECTED ITEMS

This index is provided to direct the reader to the detailed description of program problems fixed in this release.

THE FOLLOWING PROGRAMMING TEMPORARY FIXES (PTF'S) HAVE BEEN RESOLVED IN RELEASE 15/16 EITHER BY NORMAL SCHEDULED MAINTENANCE OR BY UPDATES TO THE DISTRIBUTION LIBRARIES (DLIB TAPES).

DESCRIPTIONS OF THOSE PROBLEMS RESOLVED THROUGH DLIB UPDATES FOLLOW THIS LIST IN NUMERIC SEQUENCE BY APAR (PTF) NUMBER.

PTF NO.	COMPONENT	SCHED FIX	COMMENTS
4669-13 *	CQ-519	15	SCHEDULED FIX
9411-14	CB-524	16	SCHEDULED FIX
9411-15	CB-524	16	SCHEDULED FIX
9615-07 *	CI-505	15	SCHEDULED FIX
9656-13 *	CI-505	15	SCHEDULED FIX
9676-12	CI-505	16	SCHEDULED FIX
9688-14	CI-505	15	SCHEDULED FIX
9971-11 *	DM-508	16	SCHEDULED FIX
10057-14	CI-505	16	SCHEDULED FIX
10141-14	DM-509	15	SCHEDULED FIX
10178-14	AS-036	15	SCHEDULED FIX
10230-13 *	ID-526	15	SCHEDULED FIX
10284-14	ID-526	16	SCHEDULED FIX
10508-14	CI-505	15	SCHEDULED FIX
10885-14	CI-505	15	SCHEDULED FIX
11450-14	CI-505	15	SCHEDULED FIX
11453-13 *	CI-505	15	SCHEDULED FIX
11546-14	CI-505	15	SCHEDULED FIX
11608-13	CI-505	15	SCHEDULED FIX
11719-12 *	UT-506	15	SCHEDULED FIX
11779-12 *	LM-501	15	SCHEDULED FIX
11841-14	UT-506	15	SCHEDULED FIX
11877-11 *	ID-526	15	SCHEDULED FIX
11908-13	DI-508	15	SCHEDULED FIX
11963-13	CI-535	15	SCHEDULED FIX
11982-11 *	CI-505	15	SCHEDULED FIX
12202-13	CQ-519	15	SCHEDULED FIX
12290-13	PT-516	16	SCHEDULED FIX
12290-15	PT-516	16	SCHEDULED FIX
12331-11	CI-505	16	SCHEDULED FIX
12356-14	D2-508	15	SCHEDULED FIX
12471-13	D2-508	15	SCHEDULED FIX
12516-13 *	NL-511	15	SCHEDULED FIX
12518-14	NL-511	15	SCHEDULED FIX
12695-14	UT-506	16	SCHEDULED FIX
12728-14	DM-509	15	SCHEDULED FIX
12749-13 *	ID-526	15	SCHEDULED FIX
12953-13	SM-023	15	SCHEDULED FIX

* - APPLIED TO DLIBS OF RELEASE 14 PRIOR TO SHIPMENT.

12985-13	CI-505	16	SCHEDULED FIX
13095-14	CI-505	16	SCHEDULED FIX
13130-14	CB-524	16	SCHEDULED FIX
13130-15	CB-524	16	SCHEDULED FIX
13145-13	D2-508	16	SCHEDULED FIX
13165-14	IO-526	16	SCHEDULED FIX
13171-13	CI-505	15	SCHEDULED FIX
13264-14	IO-526	16	SCHEDULED FIX
13270-12	IO-526	15	SCHEDULED FIX
13341-14	UT-506	16	SCHEDULED FIX
13383-14	D1-508	16	SCHEDULED FIX
13513-12 *	DM-509	15	SCHEDULED FIX
13516-11	D1-508	16	SCHEDULED FIX
13559-14	D1-508	16	SCHEDULED FIX
13599-14	UT-506	15	SCHEDULED FIX
13652-13	CI-505	16	SCHEDULED FIX
13696-14	D1-508	16	SCHEDULED FIX
13711-14	IO-526	16	SCHEDULED FIX
13712-14	CQ-513	16	SCHEDULED FIX
13770-13	SM-023	15	SCHEDULED FIX
13831-14	CI-505	16	SCHEDULED FIX
13831-15	CI-505	16	SCHEDULED FIX
13840-13	IO-523	15	SCHEDULED FIX
13878-14	CB-524	16	SCHEDULED FIX
13878-15	CB-524	16	SCHEDULED FIX
13888-14	IO-526	16	SCHEDULED FIX
13922-13	CQ-519	16	SCHEDULED FIX
13985-14	CI-505	16	SCHEDULED FIX
13989-14	D1-508	16	SCHEDULED FIX
14001-14	CI-505	16	SCHEDULED FIX
14020-13	SM-023	15	SCHEDULED FIX
14023-13	CI-505	15	SCHEDULED FIX
14112-14	DM-508	16	SCHEDULED FIX
14118-13	D1-508	16	SCHEDULED FIX
14129-14	IO-526	15	SCHEDULED FIX
14170-15	FO-500	16	SCHEDULED FIX
14186-14	CQ-513	15	SCHEDULED FIX
14193-14	CI-505	15	SCHEDULED FIX
14224-13	DM-508	16	SCHEDULED FIX
14251-14	IO-526	16	SCHEDULED FIX
14252-13	DM-508	16	SCHEDULED FIX
14295-14	CI-505	16	SCHEDULED FIX
14381-14	CI-505	16	SCHEDULED FIX
14381-15	CI-505	16	SCHEDULED FIX
14388-14	CI-505	16	SCHEDULED FIX
14446-14	FJ-520	16	SCHEDULED FIX
14456-13	D1-508	16	SCHEDULED FIX
14499-14	CI-505	16	SCHEDULED FIX
14633-13	CI-503	16	SCHEDULED FIX
14634-13	D1-508	16	SCHEDULED FIX

* - APPLIED TO DLIBS OF RELEASE 14 PRIOR TO SHIPMENT.

14733-14	CI-535	15	SCHEDULED FIX
14809-13	DM-508	15	SCHEDULED FIX
14818-14	LM-501	15	SCHEDULED FIX
14849-14	CI-535	15	SCHEDULED FIX
14854-14	UT-506	16	SCHEDULED FIX
14870-14	CI-535	16	SCHEDULED FIX
14942-14	UT-506	15	SCHEDULED FIX
14982-14	CQ-519	16	SCHEDULED FIX
14985-14	CI-505	15	SCHEDULED FIX
14989-13	CQ-519	16	SCHEDULED FIX
15024-13	LM-512	16	SCHEDULED FIX
15055-14	D1-508	16	SCHEDULED FIX
15067-13	SM-023	16	SCHEDULED FIX
15097-13	D1-508	16	SCHEDULED FIX
15135-14	CQ-513	15	SCHEDULED FIX
15200-14	UT-506	15	SCHEDULED FIX
15210-14	FO-520	16	SCHEDULED FIX
15210-15	FO-520	16	SCHEDULED FIX
15259-16	CQ-519	16	SCHEDULED FIX
15274-14	UT-506	16	SCHEDULED FIX
15281-15	IO-526	16	SCHEDULED FIX
15319-14	CI-505	16	APPLIED TO DLIB
15342-14	CI-505	16	SCHEDULED FIX
15342-15	CI-505	16	SCHEDULED FIX
15361-14	IO-526	16	SCHEDULED FIX
15375-14	LM-512	15	SCHEDULED FIX
15397-15	FO-500	16	SCHEDULED FIX
15420-14	D2-508	16	SCHEDULED FIX
15430-14	CI-505	16	SCHEDULED FIX
15434-14	UT-507	15	SCHEDULED FIX
15471-14	FO-500	16	SCHEDULED FIX
15473-14	FO-520	16	SCHEDULED FIX
15473-15	FO-520	16	SCHEDULED FIX
15479-13	CQ-519	16	SCHEDULED FIX
15480-13	CQ-519	16	SCHEDULED FIX
15482-14	D1-508	15	SCHEDULED FIX
15522-14	CI-505	16	SCHEDULED FIX
15541-14	FO-500	16	SCHEDULED FIX
15547-15	FO-500	16	SCHEDULED FIX
15550-14	CI-505	16	SCHEDULED FIX
15571-14	D1-508	16	SCHEDULED FIX
15619-13	CQ-519	16	SCHEDULED FIX
15695-15	FO-500	16	SCHEDULED FIX
15708-14	DM-508	16	SCHEDULED FIX
15713-15	FO-500	16	SCHEDULED FIX
15720-13	CI-505	16	SCHEDULED FIX
15745-14	FO-500	16	SCHEDULED FIX
15750-15	FO-500	16	SCHEDULED FIX
15764-14	CI-535	16	SCHEDULED FIX
15765-14	CI-505	16	SCHEDULED FIX

* - APPLIED TO DLIBS OF RELEASE 14 PRIOR TO SHIPMENT.

15774-14	SM-023	16	SCHEDULED FIX
15801-14	D1-508	16	SCHEDULED FIX
15885-14	CI-505	16	SCHEDULED FIX
15885-15	CI-505	16	SCHEDULED FIX
15924-14	ID-526	16	SCHEDULED FIX
15935-15	CI-535	16	SCHEDULED FIX
15949-14	CQ-513	15	SCHEDULED FIX
15987-15	FO-500	16	SCHEDULED FIX
16031-15	FO-500	16	SCHEDULED FIX
16035-14	CI-505	15	SCHEDULED FIX
16068-15	ID-526	16	SCHEDULED FIX
16072-14	ID-526	16	SCHEDULED FIX
16097-14	SM-023	16	SCHEDULED FIX
16162-14	CI-505	16	SCHEDULED FIX
16199-15	FO-500	16	SCHEDULED FIX
16222-14	CI-524	16	SCHEDULED FIX
16222-15	CI-524	16	SCHEDULED FIX
16265-14	CI-505	16	SCHEDULED FIX
16318-14	FO-500	16	SCHEDULED FIX
16368-14	CI-505	16	SCHEDULED FIX
16370-15	FO-500	16	SCHEDULED FIX
16382-14	CI-505	16	SCHEDULED FIX
16408-16	FO-500	16	APPLIED TO DLIB
16420-15	ED-510	15	SCHEDULED FIX
16454-14	CI-505	16	SCHEDULED FIX
16498-14	CQ-519	16	SCHEDULED FIX
16502-14	CI-505	16	SCHEDULED FIX
16521-14	FO-500	16	SCHEDULED FIX
16525-14	CI-505	16	SCHEDULED FIX
16601-14	UT-507	16	SCHEDULED FIX
16646-13	CQ-519	16	SCHEDULED FIX
16715-14	UT-507	16	SCHEDULED FIX
16726-15	FO-500	16	SCHEDULED FIX
16787-13	DM-508	16	SCHEDULED FIX
16833-15	FJ-520	16	SCHEDULED FIX
16928-13	CQ-519	16	SCHEDULED FIX
16930-14	CQ-519	16	SCHEDULED FIX
16946-14	DM-508	16	SCHEDULED FIX
16978-13	CQ-519	16	SCHEDULED FIX
16980-13	CQ-519	16	SCHEDULED FIX
16990-13	CQ-519	16	SCHEDULED FIX
17030-14	CI-505	16	SCHEDULED FIX
17060-14	UT-506	16	APPLIED TO DLIB
17066-14	DM-508	16	SCHEDULED FIX
17074-16	CI-505	16	SCHEDULED FIX
17101-16	FO-500	16	APPLIED TO DLIB
17136-14	SM-023	16	SCHEDULED FIX
17152-15	NL-511	16	SCHEDULED FIX
17159-14	CI-535	16	SCHEDULED FIX
17163-14	CI-505	16	SCHEDULED FIX

* - APPLIED TO DLIBS OF RELEASE 14 PRIOR TO SHIPMENT.

17188-14	CI-535	16	SCHEDULED FIX
17487-13	CQ-519	16	SCHEDULED FIX
17494-14	CI-505	15	SCHEDULED FIX
17495-14	CI-505	16	SCHEDULED FIX
17495-15	CI-505	16	SCHEDULED FIX
17504-14	CI-505	15	SCHEDULED FIX
17538-13	CQ-519	16	SCHEDULED FIX
17619-14	SM-023	16	SCHEDULED FIX
17758-13	CI-535	15	SCHEDULED FIX
17790-14	CI-505	16	SCHEDULED FIX
17816-14	DM-508	16	SCHEDULED FIX
17895-14	DM-508	16	SCHEDULED FIX
17939-13	CQ-519	16	SCHEDULED FIX
18059-16	CQ-519	16	SCHEDULED FIX
18064-16	CQ-519	16	APPLIED TO DLIBS
18147-16	DM-508	16	SCHEDULED FIX
18252-16	CQ-519	16	SCHEDULED FIX
18360-15	NL-511	16	APPLIED TO DLIB
18551-16	CQ-519	16	SCHEDULED FIX
19214-16	CQ-513	16	APPLIED TO DLIBS

* - APPLIED TO DLIBS OF RELEASE 14 PRIOR TO SHIPMENT.

PTF 15319-14 CI-535

WHEN THIS MODULE FREES A LARGE BLOCK OF STORAGE (A MULTIPLE OF 2K BLOCKS) IT RETURNS THE 2K BLOCKS ENTIRELY FREED TO THE FBQE AND SETS UP A DQE FOR THE CORE AT THE END OF THE LARGER BLOCK WHICH WAS NOT ENTIRELY FREED. IT WAS NEGLECTING TO PUT A POINTER TO THE FQE IN THE NEW DQE .

PTF 16408-16 FO-500

THE PROBLEM PERTAINED TO AN UNDOCUMENTED COMPILE TIME RESTRICTION WHICH DISALLOWED SYSIN CONCATENATION OF DEVICES WITH UNLIKE ATTRIBUTES. THIS FEATURE IS NOW SUPPORTED.

PTF 17060-14 UT-506

IEBISAM WILL TERMINATE WHILE PERFORMING THE LOAD FUNCTION UNDER MVT WHEN THE NEXT TO LAST BYTE IN AN UNLOADED 80 BYTE RECORD IS THE END OF A LOGICAL RECORD TO BE PLACED IN AN ISAM DATA SET AND THE LAST BYTE STARTS THE CHARACTERISTIC FIELD FOR THE NEXT LOGICAL RECORD TO BE PLACED IN THE ISAM DATA SET.

PTF 17101-16 FO-500

INCORRECT CODE WAS GENERATED BY FORTRAN H FOR AN IMPLIED DO STATEMENT IN AN I/O LIST, WHEN A LEFT PARENTHESIS IMMEDIATELY FOLLOWS ANOTHER DELIMITER.

PTF 18064-16 CQ-519

A PROGRAM CHECK OCCURS WHEN QTAM PUT SEGMENT OR PUT RECORD IS USED.

PTF 18360-15 NL-511

WHEN AN X-FORMAT ITEM IS USED IN THE DATA SPECIFICATION FOR PUT STRING , THE SPECIFIED NUMBER OF CHARACTERS ARE SKIPPED OVER INSTEAD OF BLANK CHARACTERS BEING INSERTED.

PTF 19214-16 CQ-513

FIX WAS APPLIED TO RELEASE 14 FOR RJE TO KEEP BTAM OUT OF ERP AT CLOSE TIME. CODE WAS NOT PUT IN CLOSE AT THAT TIME TO CHECK FOR BAD SIO CONDITION CODE BEFORE ISSUING WAIT. PTF 19214 CHECKS SIO CONDITION CODE BEFORE ISSUING WAIT, AS IOS WILL RETURN CONTROL DIRECTLY BACK ON BAD SIO RATHER THAN TO ERP AS NORMAL.

MAINTENANCE INFORMATION

RELEASE 16

THE APARS CORRECTED IN THIS RELEASE ARE LISTED BELOW

P07586 P08139 P08383 P08633 P08718 P08830 P09194 P09197
P09198 P09411 P09530 P09615 P09656 P09676 P09688 P09857
P09971 P09975 P10033 P10057 P10124 P10141 P10164 P10178
P10216 P10217 P10218 P10219 P10220 P10221 P10222 P10224
P10226 P10228 P10230 P10284 P10290 P10341 P10425 P10431
P10560 P10599 P10700 P10711 P10712 P10713 P10715 P10716
P10735 P10738 P10752 P10777 P10842 P10885 P10900 P10929
P11008 P11016 P11019 P11072 P11081 P11088 P11092 P11100
P11188 P11219 P11233 P11253 P11283 P11359 P11379 P11387
P11448 P11450 P11453 P11482 P11486 P11493 P11500 P11501
P11503 P11513 P11545 P11546 P11577 P11578 P11579 P11585
P11589 P11593 P11594 P11608 P11643 P11650 P11677 P11682
P11690 P11691 P11692 P11693 P11696 P11698 P11719 P11725
P11726 P11727 P11761 P11815 P11822 P11829 P11837 P11841
P11870 P11872 P11877 P11887 P11890 P11897 P11908 P11913
P11925 P11931 P11935 P11947 P11962 P11963 P11981 P11982
P12003 P12014 P12018 P12041 P12068 P12072 P12073 P12076
P12090 P12116 P12132 P12150 P12202 P12203 P12227 P12235
P12239 P12244 P12281 P12290 P12295 P12304 P12324 P12326
P12330 P12331 P12338 P12340 P12349 P12356 P12358 P12359
P12396 P12398 P12444 P12445 P12448 P12461 P12471 P12480
P12502 P12506 P12507 P12508 P12510 P12514 P12515 P12516
P12517 P12518 P12522 P12526 P12527 P12530 P12531 P12532
P12533 P12534 P12542 P12546 P12547 P12550 P12564 P12574
P12576 P12591 P12592 P12595 P12601 P12608 P12653 P12657
P12681 P12682 P12693 P12694 P12695 P12699 P12702 P12705
P12728 P12737 P12745 P12746 P12748 P12749 P12752 P12762
P12765 P12771 P12775 P12791 P12826 P12834 P12836 P12837
P12840 P12846 P12847 P12848 P12850 P12867 P12873 P12881
P12885 P12896 P12919 P12931 P12935 P12936 P12937 P12940
P12945 P12947 P12953 P12985 P12987 P12993 P12999 P13009
P13017 P13018 P13037 P13038 P13042 P13047 P13049 P13053
P13073 P13076 P13083 P13087 P13095 P13102 P13106 P13130
P13133 P13138 P13142 P13145 P13150 P13162 P13165 P13171
P13172 P13173 P13185 P13191 P13193 P13196 P13200 P13216
P13222 P13235 P13240 P13245 P13253 P13263 P13264 P13270
P13277 P13284 P13291 P13298 P13323 P13334 P13336 P13341
P13352 P13360 P13369 P13370 P13377 P13380 P13383 P13393
P13395 P13401 P13405 P13412 P13423 P13425 P13429 P13434
P13446 P13455 P13476 P13480 P13481 P13492 P13494 P13511
P13513 P13514 P13515 P13516 P13532 P13533 P13539 P13543

P13547 P13555 P13559 P13565 P13572 P13573 P13588 P13599
P13600 P13602 P13606 P13612 P13623 P13628 P13651 P13652
P13657 P13660 P13661 P13662 P13666 P13671 P13679 P13682
P13694 P13695 P13696 P13697 P13709 P13711 P13712 P13716
P13717 P13718 P13725 P13727 P13736 P13749 P13770 P13771
P13778 P13785 P13792 P13793 P13794 P13797 P13800 P13811
P13831 P13839 P13840 P13841 P13842 P13844 P13847 P13871
P13878 P13883 P13888 P13899 P13902 P13915 P13919 P13922
P13923 P13929 P13933 P13937 P13940 P13941 P13943 P13945
P13958 P13964 P13971 P13973 P13974 P13978 P13985 P13986
P13989 P13999 P14001 P14003 P14011 P14015 P14019 P14020
P14021 P14023 P14028 P14043 P14055 P14074 P14075 P14078
P14079 P14083 P14089 P14093 P14107 P14112 P14113 P14118
P14122 P14129 P14133 P14136 P14140 P14144 P14151 P14153
P14154 P14158 P14159 P14165 P14170 P14171 P14173 P14185
P14186 P14193 P14200 P14202 P14210 P14220 P14222 P14224
P14228 P14230 P14231 P14235 P14238 P14239 P14242 P14251
P14252 P14255 P14257 P14263 P14264 P14272 P14275 P14276
P14277 P14278 P14279 P14282 P14283 P14292 P14295 P14304
P14306 P14313 P14320 P14323 P14324 P14332 P14334 P14342
P14349 P14359 P14360 P14364 P14368 P14373 P14375 P14381
P14383 P14388 P14389 P14391 P14394 P14398 P14403 P14410
P14418 P14438 P14440 P14441 P14446 P14456 P14468 P14470
P14485 P14486 P14491 P14492 P14499 P14500 P14502 P14524
P14530 P14542 P14544 P14549 P14571 P14580 P14604 P14607
P14608 P14611 P14613 P14614 P14617 P14621 P14633 P14634
P14646 P14651 P14659 P14675 P14680 P14682 P14686 P14690
P14692 P14696 P14718 P14721 P14725 P14733 P14735 P14738
P14741 P14743 P14745 P14751 P14752 P14757 P14759 P14762
P14773 P14778 P14793 P14805 P14809 P14810 P14814 P14817
P14841 P14847 P14849 P14851 P14854 P14855 P14862 P14863
P14868 P14870 P14871 P14872 P14881 P14883 P14884 P14886
P14894 P14896 P14897 P14901 P14915 P14919 P14923 P14933
P14934 P14942 P14947 P14966 P14967 P14969 P14972 P14977
P14981 P14982 P14984 P14985 P14989 P14990 P14992 P15008
P15016 P15019 P15020 P15021 P15024 P15026 P15028 P15034
P15037 P15044 P15050 P15054 P15055 P15059 P15065 P15067
P15070 P15074 P15078 P15084 P15087 P15091 P15092 P15093
P15097 P15109 P15123 P15135 P15138 P15139 P15140 P15143
P15159 P15160 P15163 P15164 P15173 P15175 P15181 P15186
P15192 P15196 P15200 P15202 P15203 P15204 P15210 P15219
P15220 P15222 P15224 P15228 P15232 P15237 P15238 P15240
P15243 P15245 P15253 P15272 P15274 P15281 P15289 P15294
P15296 P15305 P15306 P15307 P15315 P15317 P15318 P15327
P15333 P15334 P15336 P15338 P15342 P15343 P15352 P15353
P15357 P15361 P15365 P15374 P15375 P15392 P15397 P15405
P15406 P15407 P15420 P15430 P15434 P15441 P15443 P15451
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P15514 P15519 P15522 P15527 P15528 P15535 P15541 P15547
P15550 P15553 P15556 P15571 P15575 P15577 P15580 P15600
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P15756 P15762 P15764 P15765 P15767 P15774 P15775 P15776
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P15832 P15833 P15835 P15843 P15848 P15858 P15859 P15862
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P16724 P16726 P16735 P16741 P16784 P16787 P16798 P16803
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P16935 P16946 P16947 P16977 P16978 P16980 P16986 P16990
P16994 P17008 P17011 P17012 P17013 P17015 P17030 P17049
P17058 P17062 P17066 P17067 P17073 P17074 P17093 P17099
P17110 P17119 P17133 P17136 P17139 P17140 P17147 P17151
P17152 P17159 P17163 P17164 P17168 P17178 P17180 P17188
P17193 P17200 P17214 P17216 P17218 P17220 P17244 P17263
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P17342 P17351 P17368 P17377 P17411 P17419 P17421 P17438
P17460 P17461 P17487 P17494 P17495 P17504 P17510 P17511
P17514 P17531 P17532 P17538 P17561 P17568 P17619 P17637
P17641 P17643 P17646 P17668 P17690 P17694 P17700 P17731
P17738 P17756 P17758 P17779 P17785 P17786 P17790 P17814
P17816 P17826 P17829 P17852 P17871 P17879 P17891 P17895
P17926 P17928 P17939 P17962 P17975 P17994 P17996 P17997
P17999 P18003 P18010 P18022 P18029 P18059 P18083 P18086
P18139 P18147 P18150 P18157 P18163 P18178 P18180 P18187
P18223 P18231 P18252 P18256 P18270 P18292 P18293 P18309
P18315 P18328 P18352 P18354 P18413 P18422 P18438 P18448
P18464 P18471 P18492 P18493 P18514 P18531 P18545 P18550
P18551 P18566 P18570 P18594 P18608 P18616 P18631 P18640
P18641 P18659 P18667 P18692 P18728 P18767 P18790 P18796
P18817 P18914 P18941 P18944 P18986 P19015 P19032 P19087
P19134

TOTAL NUMBER OF APARS INCLUDED - 1105

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

INTRODUCTION

This document (System Prose) contains a summary of fixes which have been made to Release 15/16.

OS/360 GENERAL

12.081: Give CATALOG control volumes a permanently mounted status through either the PRESRES facility or the MOUNT command. Failure to do this can result in a system wait state of F03.

12.097: When starting the system, do not use the "L" parameter in response to the SPECIFY SYSTEMS PARAMETERS message if you are using a composite console with either a 1403 or a 1443 printer and any of the following options are being taken:

Resident BLDL list.

Resident access methods.

Resident SVCs.

Communications.

If you specify "L" and a 12 or a 9 punch is encountered on the carriage control tape, the system may enter a wait state with a PSW error code of 05.

12.121: Tape label verification is not performed during MOUNT COMMAND. A MOUNT COMMAND issued to tape may cause unpredictable results if the correct volume is not mounted.

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Sample Programs

11.002: The //ASM.SYSGO DD UNIT=2400,LABEL=(,NL) override cards in the two graphics sample programs SAMP2250 and SAMP2260 are in error because of non-labeled tape with a passed data set. One way to correct this problem is to append a VOLUME=SER=XXXXXX field to the cards. Another way is to delete the LABEL=(,NL) keyword. The latter method is the more desirable.

SYSTEM GENERATION

13.038: Macro IEAQBK produces zero severity MNCTE statements when assembled at Sysgen time. These should be treated as comments and not as errors.

14.001: When specifying a processor only or nucleus only sysgen, and the complete deck from the original full sysgen is not used, only those macros which apply for processor or nucleus only sysgens should be included. Specifying macros that do not apply could cause error conditions that would terminate the stage I.

SRL Notes

12.193: A significant performance advantage can be gained by causing SYSIN and SYSOUT data to be blocked. Blocking reduces interference on the devices containing the intermediate data and improves direct-access space utilization. Three levels of SYSIN blocking are provided by the three IBM-supplied reader procedures. The cataloged procedures for IBM-supplied processors as well as for user programs should be reviewed to include blocking of intermediate data sets. The following chart shows the data blocking that is accepted by processors operating under MVT. Blocking is obtained by including in the appropriate DD statement, DCB information in the general form:

DCB=(RECFM=x,LRECL=x,BLKSIZE=x) The programmer's guides should be consulted to determine options that need not be specified in individual cases. LRECL must be specified for the PL/I and FORTRAN H SYSLIN DD cards, and the COBOL F SYSPUNCH DD card, when these files are blocked. Note that assembler F, COBOL F, and FORTRAN G and H are

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effectively unlimited; sort,RPG, and the utilities are limited by assembled-in values; SYSLIN is limited to 3200 by linkage editor E44; PL/I is limited as shown. Go steps are unlimited. SYSIN and SYSOUT for the FORTRAN E compiler cannot be blocked through the system input reader and output writer, although the SYSOUT DD cards must include DCB=BLKSIZE=121.

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		LRECL	RECFM	BLKSIZE		
Processor	SYSPRINT	SYSPUNCH	SYSIN (IEFDATA)	SYSLIN (#3200)		
Assembler F	121 FBM FT	80 FB FT	80 FB FT	80 FB FT		
COBOL F	121 FBA FT	80 FB FT	80 FB FT	80 FB FT		
FORTRAN E (with PRFRM option)	121 FM 121	80 F 80	80 FB FT	80 FB FT		
FORTRAN G	120 FBA FT	80 FB FT	80 FB FT	80 FB FT		
FORTRAN H	137 VBA FT	80 FB FT	80 FB FT	80 FB FT		
PL/I F	125 VBA 629	80 FB 400	80 FB 400	80 FB 400		
Linkage Editor E44	121 FBA FT#4840	80 FB 3200	80 FB 3200	80 FB 3200		
Sort (Values Assembled)	132 FA 132		80 F 80			
RPG (Values Assembled)	121 FA 121	80 F 80	80 F 80	80 F 80		
Utilities (Values Assembled)	132 FA 132		80 F 80			

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Note; For compile-load-go cases, only the compile step must include complete SYIIN (SYSGO) DCB specifications.

Note; F = fixed; FA = fixed, ASCII control characters; FB = fixed blocked; FBA= fixed blocked, ASCII control characters; FBM= fixed blocked, machine control characters; VBA= variable blocked, ASCII control characters; FT= full track.

Main storage requirements must be reviewed when you institute data blocking. The variables involved are:

SIZE option

REGION values

MINPART value

Default REGION value provided by the reader procedure

The FORTRAN H SIZE parameter is independent of blocking and buffering considerations, although the REGION value must be 8K larger than the SIZE value.

CONTROL PROGRAM (PCP and MFT) (CI505)

11.011: If the SPACE parameter specifies average record length and secondary allocation is necessary the DCB=(BLKSIZE=max blksize format V and U records) must be specified.

11.017: When using the MOD parameter for multiple checkpoints, use unlabeled tapes.

11.018: When using the MOD parameter for multiple checkpoints, the number displayed on the console is incorrect after the ninth checkpoint. If necessary to restart from a later checkpoint, it will be necessary to count the printouts to determine the correct number to enter at restart time.

11.023: When restarting, the jobs running in the higher level partition must be the same ones which were running at the time the checkpoint was taken.

11.025: If using DISP=MOD, no more than 99 checkpoints may be taken; or if EOVS is reached prior to the 99th checkpoint, an abend code OCX will occur. If using DISP=NEW, any number of checkpoints may be taken.

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11.026: In MFT, Checkpoints may be taken only in the lowest priority partition, or in P0, if P0 is the last partition or if no other partitions have been scheduled. During restart of a job in the lowest priority partition, all activity in the high priority partitions must be quiesced.

12.205: When a volume is marked as Storage by PRESRES the scheduler treats references to this as a specific and private request and may not allocate it.

13.029: If a WTOR is outstanding at step termination, a message USER ABEND 0086 will result. Subsequent steps in the job will not be executed.

13.031: In order to specify a partition as "LAST" at IPL time it must first be defined as large enough to contain the Job Scheduler.

For example: REPLY600,'P0=50000' (for 44K Scheduler)

REPLY600,'P0=LASTEND'

If the subject partition was defined sufficiently large at SYSGEN, the above requirement does not pertain.

14.002: When a job is cancelled by the Scheduler for a JCL error such as inconsistent unit name and volume serial number, no diagnostic explaining the outcome of this JOB or JOB-Ended message appears on the console. The diagnostic will appear on the SYSOUT device instead.

14.003: When an allocation recovery message involving the 2321 is issued, and subsequently in the same job step a second message is issued, there may be extraneous information printed in addition to the correct information. The extraneous information should be ignored.

14.004: With MFT or MVT, when two jobs are running at the same time, a request for a specific tape volume which has been mounted and allocated to a device for Job #1 can be allocated to a different device for Job #2. With MFT, the Scheduler will print the message IEF2441 - UNABLE TO ALLOCATE FROM AVAILABLE DEVICES, and terminate the job. With MVT, the Scheduler will print the message IEF288I - JOB WAITING FOR DEVICES, and the operator will be given the choice of waiting or canceling the job.

This problem occurs only when the number of devices available to Job #2 is equal to the number of devices requested by Job #2. In all other cases, the Scheduler gives correct operation for this condition.

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14.016: It is possible that the last few lines of a dataset may occasionally not be printed and lines from the following dataset or messages will be printed in their place. This condition is dependent upon the speed of the computer and the number of output buffers being used for the System Output Writer. It has not been observed on a Model 40 or Model 50 but has been observed on a Model 65 with 20 buffers. Should the condition occur, the number of output buffers should be reduced.

14.018: The sysgen Pub., on page 71, in the description of the DATAMGT macro indicates that TIME=INTERVAL is required for MFT or MVT if QTAM is specified. This note should also include JOBSTEP, e.g. the statement should read "TIMER=INTERVAL or JOBSTEP".

14.028: The section entitled How to Bypass a Console Malfunction in Chapter 4 of the Operator's Guide (SRL #C28-6540-5) should be replaced with the following information.

If a console malfunction occurs with any console device the system will normally ring the audible alarm and console activity will be suspended. A malfunction may be recognized by the appropriate indicator lights on the console. One of two actions may be taken:

- A. Correct the malfunction, make the console not ready then ready. Processing will continue using the same console. The operation will be retried.
- B. If an alternate console is available, depress the external interrupt key to switch to the alternate console.

Next make the alternate console not ready then ready and initiate any OS/360 operator command (e.g. DISPLAY ACTIVE) on the alternate console. Processing will continue, using the alternate console.

These procedures should be used for all console devices.

14.029: The use of a zero completion code by the problem program when issuing the Abend macro may result in the following message to the console, "IEF4501 JOBNAME.STEPNAME.PROCSTEPNAME. ABEND S222". The completion code indicated on the Sysout List will be "SYSTEM" instead of "USER".

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DATA MANAGEMENT

(DM508)

11.030: VOLUME=REF=dsname can only be used when the data set being referred to is cataloged.

12.088: If an error occurs while accessing a fixed-block-standard direct access data set and EROPT=ACC is used a 200 abend will result in PCP or MFT and a 400 abend will result in MVT.

12.110: Cataloging a generation data set name where the generation already exists will be handled as recataloging.

14.032: Using EXCP, BPAM, BSAM, QSAM or BDAM with SYNADAF if an equipment check occurs, the Message Buffer formatted by SYNADAF will contain a meaningless error description field. The error description should be interpreted as 'EQP CHECK'. All other fields of the Message Buffer are correct.

BTAM

(CQ513)

14.024: If one or more lines on a Transmission Control Unit are inoperative (an individual line is in CE mode or a hardware data set is malfunctioning) at the time a BTAM line is opened, the OPEN routine may possibly go into a never ending wait. Should this happen, the job must be cancelled, the condition causing the line to be inoperative must be corrected, and the job must then be started again.

14.033: A Command Reject error because of an invalid operation while using BTAM BSC may cause an 806 Abend of the BTAM job. An invalid operation can occur when the BTAM BSC READ/WRITE Macro instruction or the IODEVICE Sysgen Macro instruction (or both) incorrectly describes the associated operation or line.

QTAM

(CQ519)

13.034: No STARTLN macros may be issued in the QTAM message control program prior to the ENDREADY macro. Existing applications should be edited prior to their re-assembly.

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13.046: If one or more QTAM Message Processing Programs are being run, the user may not CANCEL the QTAM job. The normal QTAM close down procedure (via CLOEMC) should be used to terminate the QTAM job.

ALGOL

(AL531)

11.048: The ALGOL compiler may not function properly when using a Systems Residence device which is much faster than the device on which the workfile data sets reside.

COBOL E

(CO503)

11.051: The INVALID KEY clause is required for all data sets (whose access is random) and for WRITE statements in data sets whose organization is indexed and access is sequential.

13.002: Intermediate data sets used by COBOL E may not be assigned to the 2321 data cell.

COBOL F

(CB524)

11.055: Programs that involve execution of the FEOV routines of the system will abend in execution. FEOV routines are used when COBOL source program specifies CLOSE REEL (UNIT).

13.019: A Report Writer Declarative section must end with an "EXIT" statement or control will fall through to the next section. Assumed exit coding will be generated for other types of Declarative Sections even if "EXIT" is not specified. However, in any case where "EXIT" is not specified, the following error message will be generated:

"IEQ4099I-E NO EXIT specified before end of this declarative section. Control will fall through to next section."

If the declarative section is not Report Writer, the message should be treated as a warning since assumed exit coding has been generated and control will not fall through to the next section.

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13.024: When running COBOL compilations under MVT, the IEFDATA DD card in the READER PROCEDURE should not specify BUFNO as one of the DCB parameters. If the BUFNO parameter is given, the value specified must be multiplied by the BLKSIZE and the resultant value added to the REGION parameter previously computed.

14.009: At SYSGEN time if a BUF SIZE is not specified on the COBOL macro or is specified and is less than 2768, a BUF SIZE is created that is less than the minimum allowance BUF SIZE of 2762. COBOL adjusts the buffer size to the minimum necessary for correct operation. The message should be ignored.

FORTTRAN LEVEL G

(F0520)

14.021: A complex constant in a DATA statement may not be written so as to span two source records. The compiler will not accept the statement and will issue an IEY0101 SIZE error message.

14.022: An Arithmetic IF, Logical IF or IMPLICIT statement may not be written so that the letter I appears alone on the first source record, followed by continuation cards containing the remainder of the statement. The compiler will not accept the statement and will issue an IEY0131 SYNTAX error message.

14.027: Page 88 of the FORTRAN IV Language Manual (C28-6515-5) states that a literal constant may be passed as an argument in a function reference. This facility is not yet available.

FORTTRAN LEVEL H

(F0500)

14.020: The following considerations apply to the use of the XREF option for SIZE parameter greater than 220K: the length of the records written by the compiler on SYSUT2 is a function of the size of an internal compiler table. The size of this table is determined at SYSGEN time and may range from 1024 to 4096 bytes. If the table size exceeds the maximum record length for the device allocated for SYSUT, a 002 ABEND will occur. For SIZE parameter greater than 220K, SYSUT2 should not be assigned to a 2311. In general, correct XREF output may be insured by allocating SYSUT2 to a 2314 or tape.

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

14.026: Page 88 of the FORTRAN IV Language Manual (C28-6515-5) states that a literal constant may be passed as an argument in a function reference. This facility is not yet available.

FORTRAN LIBRARY

(LM501)

14.031: When the ID option is selected with FORTRAN G or H, the internal statement number (ISN) column of the listing is not formatted properly. The right most digit of the ISN field is a positive, zoned numeric digit. Thus, zero prints as a blank and one through nine print as A through I. In addition, a zero is always printed two positions to the right of the ISN field.

LINKAGE EDITOR E

(ED510)

12.204: Link editor E44 is the largest link editor in Release 12 or later. It will be assigned the aliases IEWL and LINKEDIT. If F44 is also requested, the alias IEWLF440 will be assigned to E44. If F88 is also requested, the alias IEWLF880 will be assigned to E44. If user JCL references a F level linkage editor directly, that particular linkage editor must be explicitly requested in the system generation.

PL/I

(NL511)

13.007: If a READ with the EVENT option is executed after the ENDFILE condition has been detected (due to lack of a WAIT statement or a READ statement without the EVENT option) then a subsequent CLOSE statement will fail to purge the event variable associated with such a READ.

13.009: KEYTO option with VARYING strings. On a SEQUENTIAL KEYED file, if a READ statement with the KEYTO option is executed, the current length of the KEYTO string, if it be VARYING, is set equal to the maximum length of the string, and the string padded with blanks if necessary.

13.012: If the data set used by SYSABEND or SYSUDUMP is on tape, then the preface of the ABDUMP obtained as a result of CALL IHEDUMP will not appear.

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

13.025: Indexed Sequential Output. If the prime area is filled when creating an indexed data set, the key condition "no space available" is raised. Subsequent CLOSING of the file will cause an 031 ABEND to pccur.

13.026: Indexed Sequential Output. A loop occurs when trying to CLOSE an Indexed sequential file when no records have been created. (Note that this may occur when trying to OPEN the file if errors were found in the Environment attribute or the DD statement and the file was closed - as a result of an error).

13.027: On DIRECT UPDATE REGIONAL organization, if EVENTS are WAITED on in a different order than they were initiated (WRITE, READ, REWRITE, DELETE without EVENT all have implied WAITS) then unpredictable results will occur.

14.019: If EDIT directed output is used with E format item which specified more than 32 decimal places, then any digits after the 32nd place are unpredictable.

PL/I LIBRARY

(IM512)

14.025: (If an ENDFILE condition is raised in an EDIT directed GET by an X format item and return is made from the ENDFILE ON unit,) an 0C5 ABEND will occur in module IHEIOD and the job will terminate.

REPORT PROGRAM GENERATOR

(RG038)

11.071: The user label exit 4E in column 52 of the file description specifications is supported by OS/RPG but will not function until user labels are supported by the control program.

SORT/MERGE

(SM023)

11.072: Sort checkpoint/restart supports 2311 and 2301 for system residence.

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

SYSTEM AND DATA SET UTILITIES (UT506)

13.040: IEHMOVE can print the message, "IEH4191 Data Set XXX not moved/copied because H". This should read, "IEH4191 Data Set XXX not moved/copied because Data Set marked unmoveable."

13.042: 2321 Data Sets may not be renamed or a C5 Abend will occur when using IEHPROGM or IEHMOVE.

14.010: The present use of IEBEDIT is restricted to execution by the EXEC statement, i.e., IEBEDIT may not be invoked by macro instructions such as link and call.

14.014: If the IEBEDIT utility does not have enough storage to satisfy the dynamic main storage requirement as specified in the Storage Estimates publication, the IEBEDIT program will Abend with an unpredictable Abend code.

14.017: IEHPROGM may ABEND with a 0C5 completion code if the DD card describing the unit or volume to be used by IEHPROGM is omitted.

14.023: An extension to the IEHPROGM utility has been added that will recognize and scratch the new system generated names. (i.e., SYS67375. Txxxxxx. RPxxx. JOBNAME. DDNAME) whenever the SCRATCH VTOC, SYS control statement is used. The utility does not recognize or scratch data sets whose names are generated by an MVT Reader/Interpreter when the above statement is used.

TESTRAN (PT516)

12.005: The LOAD option of the TEST OPEN may cause an abend.

12.006: The MAP option of the TESTRAN DUMP macro instruction is not supported in a multiprogramming environment.

12.187: The TESTRAN DUMP TABLE statement does not dump the MVT extension to the task control block.

12.201: GETMAIN, GETPOOL, FREEMAIN, FREEPOOL instruction in the problem program should not be traced in an MVT environment. If these instructions are traced a 0C4 or 30A ABEND may occur. =3

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

MVT

(CI535)

12.031: If SYSOUT and VOLUME=REF=dsname are specified on the same DD statement, a program check will occur in IEFWC000 in the job scheduler, causing a system abend (code 0C5 or 0C6).

12.049: The specification of a REGION size greater than 32767K will cause a F11 system abend.

12.057: The symbols IECTRMTB, IEFHPTCB, IEFPPTCB, and IEFXV001 are unresolved symbols that may appear in the linkage edit of the MVT system at Sysgen time. No impairment of performance results. The symbols should be ignored.

12.062: The use of MVT for Sysgen is not supported.

12.079: An attempt to detach an incomplete subtask with an ETXR specified results in a disabled loop in the nucleus.

12.084: Issuing another SET DATE while the SYS1.SYSJOBQE is being formatted may result in a F03 system abend.

12.112: Issuance of an IBM-supplied SVC that is not in the system will cause a disabled loop in the system.

12.119: Message IEF383D may have a form number of more than four characters. The first four characters are valid and all others should be ignored.

12.170: If an outstanding reply to a WTOR is received by a job while it is in an abend condition, the system will abend and enter a F03 wait state.

12.171: Message IEF2721 STEP WAS NOT EXECUTED will be printed after the JCL for a job which was cancelled while on the job queue prior to initiation, if no other diagnostic messages appear.

12.173: When using IEBPTPCH utility with the perform option, use PERFORM=A to print/punch an input data set with machine control characters or PERFORM=M to print/punch an input data set with ASA control characters.

12.175: If a permanently resident device such as the one being used by SYSIN, is varied offline by accident, the system writes the IEF241I message on the operator console repeatedly. After the device is varied back online to correct the problem there could be as many messages to be printed as there are WTO buffers.

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

12.182: An invalid line of print will be included in "Display Active" output if a reader, writer or initiator is in the termination process when the request is issued.

12.183: All user-provided reader and writer cataloged procedures must have a non-zero region size specified in their EXEC statements (failure to do so will result in an F11 abend code).

12.192: Requests for direct access public space in a step may sometimes be allocated to one public direct access device instead of being spread across all other eligible devices. This can be prevented by insuring that those devices eligible for public requests are not separated by class (device type) and channel.

12.196: When loading terminate modules IEFSD061 and IEFSD062 into the link pack area, the alias for IEFSD061, IEFSD104, must be loaded also. Note: This causes two copies of IEFSD061 to be loaded.

12.202: Warm start will Abend if job queue space was in a certain order when the system failed. Another warm start should be taken. One of the following will result:

1. The system will run properly.
2. RDR=Jobname messages will be put out for jobs which have completed. These should be ignored.
3. INIT=Jobname messages will be put out for jobs not yet started. These jobs must be resubmitted.
4. System output will be lost. The jobs must be resubmitted.
5. Another Abend will occur. The queue must be reformatted.

Some combination of cases 2, 3, and 4 may occur. The jobs should be handled as listed above, depending on output received.

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

14.005: When a system failure occurs requiring a System Restart, and a job is in step or job Termination, the job's System Message Blocks may be incorrectly chained on disk. This may eventually cause an Abend in the System Output Writer. The Writer Abend will not cause the System to Abend, and another writer may be started. However, if another System Restart is performed, one of the following will occur:

1. The System Restart will fail by an Abend and the job queue must be reformatted.
2. System Restart will complete, but the Writer will Abend when the recovered incorrect sysout job is processed again.

The recommended recovery procedure is to allow the job queue to empty (i.e. do not enter any new jobs), as soon as practicable after the Writer Abend, then re-IPL and format the job queue before entering any new jobs.

The only way to avoid the problem is to let the system complete the current jobs, after the first Writer Abend, and then re-IPL and format the job queue before entering any new jobs.

14.011: In the event that DD statements in the input job stream are used to override corresponding DD statements in a cataloged procedure, the input DD statements may not be followed by comment continuation cards.

Under the above condition, comment continuation cards will be interpreted as if they were part of the DD and may result in either errors or validly interpreted JCL. Under MVT, this condition may cause a reader close (completion code 0C5) if the reader procedure specifies more than one buffer.

14.012: Symbolic parameters in job control statements may be nullified, as described in the Job Control Language SRL. Associated parameter delimiters, such as a preceding comma, are not automatically nullified, and therefore are prone to causing syntax errors. To avoid this condition, leading and/or trailing delimiters may be included in the symbolic parameter value field. For example, SYMBOL = ', DISP = OLD', would permit nullification of the preceding comma.

14.013: A null statement with a non-blank character in column 72 must not follow another statement (of any type) with column 72 not blank, (i.e. a continuation card must have a non-blank punch somewhere between columns 16 and 71).

OS/360 PROSE RESTRICTIONS CORRECTED
IN RELEASE 15/16

14.015: In MVT, if the DISPLAY ACTIVE command is used when a system task (Reader, Writer, or Initiator created by a START command) is in either allocation or termination, the printed output may be erroneous in one of the following ways:

1. Master scheduler is printed as the name of the system task.
2. An invalid entry is printed in place of the system task.
3. No entry will be printed for the system task.

The correct output can be obtained by reissuing the DISPLAY ACTIVE command.

14.030: With MVT, starting the reader to multiple units (e.g. START RDR, UNIT=(181,182)), will cause an OC5 reader Abend unless the IEFRDER entry in the reader procedure is the final entry. IBM supplied catalogued procedures must be modified to place the IEFRDER entry last if they are to be used with multiple units.

On Line Test Executive Program

(DN-533)

13.043: When using OLTEP unit tests on tape drives that have been placed off-line with a VARY command, a hang condition will result if the drive is not made ready prior to testing. Making the drive ready will remove the hang condition and allow testing to begin.

PROGRAM SYMPTOM INDEX

The Program Symptom Index is provided to direct the Customer Engineer to the detailed description of a known program problem.

The Index is sorted by component. Entries within each component grouping are defined by "Circumstance" Keywords. Circumstance Keywords are divided into two categories. They are:

1. How did it fail?
(Keywords -- ABEND, WAIT, LOOP, MSG, I/O)
2. What was being done?
(Keywords -- ASSY, EXEC, CMPL during ASM, CBL, ALG, FOR, PL1, RPG, and IO, DUMP, LKED, SORT, SYSGEN, TP, CNTRLPROG)

These Keywords are further defined by Sub-keywords found in the abstract of the problem.

Each entry is defined as follows:

COMPONENT -- Program component in which the error occurred. PROSE is used as a dummy component to indicate temporary restrictions.

FIXD -- Release number in which the APAR was fixed or is projected to be fixed.

ACTION -- Indicates circumvention, if available, permanent restrictions and PTF numbers, when applicable.

APARNO -- Number of APAR submitted to report the problem, preceded by the letter "P". Prose numbers are preceded by the letter "X".

CIRCUMSTANCE -- Keyword which indicates how the failure occurred or what was being done when the failure occurred.

KEYLEVEL AND TEXT -- The first part of this entry contains Sub-keywords which further define the problem. The remainder of this entry contains an abstract of the problem.

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST

0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
AL531	15.0	-P12846-ALG-CMPL	-GEN-CMPL MY FUNCTION INCRCTLY IF 2301 -S SYSRES.TIME DEPENDENT PROBLEM
AL531	15.0	-P10219-ALG-CMPL	-GEN-COMPILER DOES NOT FUNCTION PROPERLY IN MFT ENVIRONMENT
AL531	15.0	-P10224-ALG-CMPL	-GEN-STANDARD FUNCT WITH EMPTY PARAMETER PART USED. NO MSG GIVEN.
AL531	16.0	CIRCM-P15159-ALG-EXEC	-CODE-FOR STMT-ADDRESS SUBSCRPTD VARBLE IN FOR STMT INCRCTLY CALCULATED.
AL531	15.0	CIRCM-P10218-ALG-EXEC	-CODE-VARIABLES-INCRCT STMTS WITH NON LOCAL VARIABLES-BAD CODE GENS
AL531	16.0	-P14762-MSGIEX039I	-ALG-CMPL-FLAG-INVALID IF APOSTROPHE IS PRESENT IN COMMENT FOLLWING STMT
AL531	15.0	-P10220-MSGIEX191I	-ALG-CMPL-FLAG-FLAGS WRONG STMT IN SOURCE PROG.
AL531	16.0	CIRCM-P10228-MSGIEX195I	-ALG-CMPL-FLAG-ERRONEOUS-IF A GOTO IS BETWEEN -IF-CLAUSE AND -ELSE-.
AL531	15.0	CIRCM-P10216-MSGIHI022I	-ALG-EXEC-BAD MSG-EXECUTION OF ALGDL LOAD MODULE.
AL531	15.0	-P10217-MSGIHI06I	-ALG-EXEC-ADDR IN FORMAT STMT BAD IF 1 SUBSCRPT EXPRESSION CONTAINS SUBSCRPT VAR
AS036	15.0	10178-P10178-ABEND80A	-ASM-E-ASSY-PROBPROG AREA-OVERLAY PH CALLED IN ERR-INSUF CORE AVAILABLE.
AS036	15.0	-P13666-ASM-E-ASSY	-GEN-MODULE-IETRA-HAS MISPELLED IN START CARD.
AS037	15.0	-P16055-ABEND	-SYSGEN-STG1-IO DEV CTLCARD ADD TO STG 1 CARD TO INCLUDE 2501 READER.
AS037	15.0	-P15353-ABENDOC4	-ASM-F-ASSY-MACRO-IF MACRO IS MISSING FROM MACRO LIBRARY.
AS037	16.0	-P16847-ABENDOC4	-ASM-F-EXEC-MACRO-GREAD,GWRITE,GCTRL DO ERRON.ZERO OUT UNIT INDEX IN DECB
AS037	15.0	-P14306-ABEND037	-ASM-F-ASSY-GENERATING MACRO WITH A COMPLEX EXPRESSION
AS037	16.0	-P16338-ABEND037	-ASM-F-ASSY-IEUF2-WHEN CALL MACRO HAS COMMA IN COL 72 WITHOUT CONTINUATION CARD
AS037	15.0	CIRCM-P13037-ABEND80A	-ASM-F-ASSY-GEN-INSUF STG TO EXTEND SYSUTI DATASET
AS037	16.0	-P13455-ASM-F-ASSY	-DECK-DUPLICATE RLDs ARE MADE FOR CCW STMTS IN WHICH 1ST TERM IS ABSOLUTE
AS037	15.0	-P13694-ASM-F-ASSY	-GEN-ASMBLER INVOKED-SYSPRINT&SYSPCH DDNAMES NOT PASS CRCTLY FM PARAMLIST.
AS037	16.0	-P15405-ASM-F-ASSY	-GEN-MEND CARD-MISSING-ASSEMBLY TERMINATES WITH I/O ERROR ON SYSUTI
AS037	15.0	-P12765-ASM-F-ASSY	-LISTING- 3 CHARACTER COMMENTS NOT LISTING IN GENED MACRO TXT DEFINITIONS.
AS037	16.0	-P16679-ASM-F-EXEC	-CODE-ADCONS-IF V TYPE ADCONS APPEAR IN DSECT WITH NO TEXT BEING GENERATED
AS037	16.0	-P17168-ASM-F-EXEC	-CODE-BASE-REG-DEIPLACEMENT-BAD IF EXPLICITLY SPECIFIED WITH ABSOLUTE DISPLCMNT
AS037	16.0	-P15054-ASM-F-EXEC	-CODE-RLD- RECS DROP/DUPLICATED IF GRTR 300 RLD RECORDS OUTPUT.
AS037	16.0	-P15405-IO	-ASSY-IDERR-SYSUTI-TERMINATES ASSY DUE TO MISSING MEND CARD.
AS037	15.0	CIRCM-P14043-IODASD	-ASMF-2314-BUFFER SIZE SET INCRCTLY FOR ASM WORKFILES. IEUF1
AS037	16.0	-P16338-LOOP	-ASM-F-ASSY-IEUF2-WHEN CALL MACRO HAS COMMA IN COL 72 WITHOUT CONTINUATION CARD
CB524	16.0	RESTR-P14486-ABEND	-CBL-E-EXEC-IHDFBSAM-WHEN BSAM FILE OPENED,CLOSED,AND REOPENED.
CB524	16.0	CIRCM-P13940-ABEND	-CBL-F-CMPL-EXCESSIVE NESTED CONDITIONS IN SINGLE SENTENCE. CMPLER ABTERMS.
CB524	16.0	CIRCM-P14571-ABEND	-CBL-F-EXEC-IEQCBL20-IF PGM CAUSES COBOL TABLE TO BE GT 4096 & 1ST STMT IS VERB
CB524	16.0	-P14721-ABEND	-CBL-F-EXEC-IEQCBL40-IF COBOL F SORT STMT SPEC OUTPUT PROC AND GIVING OPTION
CB524	16.0	CIRCM-P15203-ABEND	-CBL-F-EXEC-IEQCBL50-CODE-RPTHWRTR-IF TGT GT 4096 BYTES.
CB524	16.0	CIRCM-P14144-ABENDOCX	-CBL-F-EXEC-IEQCBL00-BUFFER AREA FOR LAST BSAM-FILE OVERLAYS TGT TABLE
CB524	16.0	-P14283-ABENDOCX	-CBL-F-EXEC-IEQCBL10-RPTNTR-IF DATA DIV HDR OMITTED AND PROC REF TO DATA-ENTRY
CB524	16.0	CIRCM-P11585-ABENDOCX	-CBL-F-EXEC-IEQCBL20-CODE-OCCURS-IF SUBJECT IN WRKG STOR&OBJECT IN FILE SECT
CB524	16.0	CIRCM-P15980-ABENDOC1	-CBL-F-EXEC-IEQCBL50-IF BDAM READ/WRITE/REWRITE STMT FOLWD BY BISAM READ/WRITE
CB524	16.0	CIRCM-P16045-ABENDOC4	-CBL-F-EXEC-IEQCBL00-EXEC CARD,PARAMETER FIELDS, LESS THAN 40 CHARACTERS USED
CB524	16.0	CIRCM-P13009-ABENDOC5	-CBL-F-CMPL-CUMPILING LARGE PROG.
CB524	16.0	RESTR-P14233-ABENDOC5	-CBL-F-EXEC-BSAM FILE I/O ERRORS,OPT5 DECLARITIVE SECTION USED .
CB524	16.0	RESTR-P13623-ABENDOC5	-CBL-F-EXEC-DISPLAY STMT-SYSOUT ASSIGNED TO DUMMY -DD- STMT.
CB524	15.0	-P13087-ABENDOC5	-CBL-F-EXEC-IEEWT----WTO/WTOR-WTO MSG IS IN TOP 123 PSNS OF CORE
CB524	16.0	CIRCM-P13009-ABENDOC6	-CBL-F-CMPL-CUMPILING LARGE PROG.
CB524	16.0	CIRCM-P14257-CBL-F-CMPL	-DECK-IF SYSIN HAS CONCAT BLKD -DS- & 1-ST HAS SHORT BLK,COMPILATION TERMINATS
CB524	16.0	-P16070-CBL-F-CMPL	-GEN-TERMINATES PERMATUURELY IF THE FD FILENAME CONTAINS AN ERROR
CB524	16.0	CIRCM-P13423-CBL-F-EXEC	-CODE IF CLAUSE-USING GENERATE-PRODUCES ERROR BRANCH ADDRESS
CB524	16.0	CIRCM-P13405-CBL-F-EXEC	-CODE-BLIS-FILESECTION-LAST GROUP OF -FS- GT 4096 BYTES,INSUF -BLIS- ASSGNE
CB524	16.0	CIRCM-P14438-CBL-F-EXEC	-CODE-COMPUTE-ROUNDED-RECVNG FLD IS NUMER DISPLAY,ASWER NOT ROUNDED.
CB524	16.0	-P14524-CBL-F-EXEC	-CODE-COPY-STMT IGNORED IF IN WORKING STORAGE AND MEMBER NOT IN LIBRARY
CB524	16.0	CIRCM-P14847-CBL-F-EXEC	-CODE-DECIMAL POINT IS COMMA-GIVE UNPREDICTABLE RESULTS
CB524	16.0	CIRCM-P15204-CBL-F-EXEC	-CODE-EXAMINE-IF PROG CONTAINS 2 EXAMIN STMTS IN ROW, BAD CODING GENERATES.
CB524	16.0	CIRCM-P16585-CBL-F-EXEC	-CODE-EXAMINE-OF VARIABLE LENGTH FIELD GENS INCORRECT CODE
CB524	16.0	CIRCM-P14255-CBL-F-EXEC	-CODE-EXHIBIT-CHANGE OPTION-ABEND MAY OCCUR.
CB524	16.0	13878-P15327-CBL-F-EXEC	-CODE-FILE WITH REC DESCRPTN GRTR 4096, ONLY 1-ST BLI PROPERLY INITIALIZED.
CB524	16.0	CIRCM-P16215-CBL-F-EXEC	-CODE-FORMAT-5-COPY-IF USED MORE THAN ONCE-BAD CODE GENED FOR WRITE STMTS
CB524	16.0	CIRCM-P13797-CBL-F-EXEC	-CODE-GENERATE-REFERENCES AFTR GEN STMT MAY RESOLVE INCRCTLY
CB524	16.0	CIRCM-P13847-CBL-F-EXEC	-CODE-GO TO DEPENDING ON-BAD BRANCH- GO TO CLAUSE HAS NEGATIVE VALUE. IEQCBL50

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
CB524	16.0	CIRCM-P12304-CBL-F-EXEC -CODE-MOVE-CORRESPONDING-NO MOVE GENEED FOR ITEM AND NO DIAGNOSTIC GIVEN
CB524	16.0	CIRCM-P14242-CBL-F-EXEC -CODE-MOVE-CORRESPONDING-IF FOLOWD BY RESERVED WORD, NON VERB, BAD CODE GENS.
CB524	16.0	16222-P16222-CBL-F-EXEC -CODE-NAME-CELL-BAD CODE GENEED IN INIT3 IF NAME CELL EXCEEDS 256 BYTES
CB524	16.0	CIRCM-P14202-CBL-F-EXEC -CODE-OCCURS-COMPUTATIONAL ELEMENTY ITEM IN REC DESCRIPTION ALIGNED WRONG
CB524	16.0	-P16353-CBL-F-EXEC -CODE-PICTURE-IF 88 LVL CONTAINS 1 POSITION LT ITEM PICTURE CLAUSE
CB524	16.0	CIRCM-P13973-CBL-F-EXEC -CODE-RECORD DSCRPTNS-MULTIPLE-01-LBLS UNDER -FD-,BIG REC NOT FIRST.BAD CODE.
CB524	16.0	CIRCM-P15466-CBL-F-EXEC -CODE-REPORT-GRP-IF SAME SUBSCRPTD DATA ITEM USED MORE THAN ONCE.
CB524	16.0	CIRCM-P13377-CBL-F-EXEC -CODE-REPORTSECTION-DISPLACEMENTS FOR ITEMS MAY BE INCRCT IN REPORT SECTION
CB524	16.0	CIRCM-P14966-CBL-F-EXEC -CODE-REWRITE-IF QUALIFICATION OF RECORD NAME USED IN REWRITE,NO GEN OF CODE.
CB524	15.0	CIRCM-P12947-CBL-F-EXEC -CODE-RPTWTR-/SOURCE IS DATANAME/STMT YIELDS UNPREDICABLE RESULTS.
CB524	16.0	-P13216-CBL-F-EXEC -CODE-RPTWTR-INCORRECT SYMBOLIC KEY LENTHS IF LEVEL 02 RPT GRP IS NAMED
CB524	16.0	CIRCM-P14757-CBL-F-EXEC -CODE-RPTWTR-INCRCCT SUMMING IF DATANAME USED FOR SUM CLAUSES OTH THN FINAL.
CB524	16.0	-P15333-CBL-F-EXEC -CODE-SORT-FAILS TO DIAGNOSE A MISSING DATA RECORDS CLAUSE IN SORT DESCRIPTION
CB524	16.0	-P14721-CBL-F-EXEC -CODE-SORTVERB-ABEND IF SORT STMT SPECIFIED OUTPUT PROC AND -GIVING- OPTION.
CB524	16.0	13130-P13130-CBL-F-EXEC -CODE-SORTVERB-PROG WITH-SORT-VERB AND REF TO-SORT-OUTPUT UNPREDICTABLE RSLTS.
CB524	16.0	CIRCM-P12657-CBL-F-EXEC -CODE-WORKSTG-BASE LOCATORS DESTROYED.LINK SECT-01/77-GRTR 4096 BYTES.
CB524	16.0	13878-P14158-CBL-F-EXEC -CODE-WRITE-NO CODE GENS FOR WRITE STMT.REC TREATED AS -UNDEF- ERRONEOUSLY.
CB524	16.0	CRCMV-P09411-CBL-F-EXEC -GEN-IEQCBL20-USING OCCURS DEPEND ON CLAUSE, MAX LENGTH RECORDS MAY BE WRITTEN
CB524	16.0	CIRCM-P15785-ID -CBLF-CODE-ACCEPT-SYSIN-81 COLS SPECIFIED, ONLY ONE READS IN.
CB524	16.0	13878-P13878-ID -CBLF-RECS-MAX RECSIZE 4096 FOR FILES USING BASIC ACCESS METHOD.
CB524	16.0	CIRCM-P16046-IDPTR -CBLF-SPACING-INCRCCT-RPTWTR FEATURE-PAGE LIMIT CLAUSE USED.
CB524	16.0	-P13476-LOOP -CBL-F-CMPL-ENTIRE PROCEDURE DIVISION OMITTED.
CB524	16.0	CIRCM-P15092-LOOP -CBL-F-CMPL-IEQCBL00-IF USING MVT WITH DEFAULT SIZE OPT AND BUF OF 16,000 BYTES
CB524	16.0	-P13588-MSG -CBL-F-CMPL-FLAG-ERRONEOUS MSG WHEN -NOTE- STMT IS USED.
CB524	16.0	-P14524-MSG -CBL-F-CMPL-FLAG-USING COPY STMT IN WORKING-STORAGE AND MEMBER NOT IN LIBRARY
CB524	16.0	CIRCM-P14257-MSG -CBL-F-CMPL-PERM I/O ERR,IF SYSIN HAS CONCAT BLKD DS AND 1-ST DS HAS SHRT BLK
CB524	16.0	CIRCM-P14136-MSGIEQ0009 -CBL-F-CMPL-FLAG-IF BUF SIZE NOT SPECIFIED AT SYSGEN TIME
CB524	16.0	-P16047-MSGIEQ0015I -CBL-F-EXEC-BLOCKSIZE TOO LARGE FOR BUFSIZE
CB524	16.0	CIRCM-P14171-MSGIEQ0020I -CBL-F-CMPL-FLAG-WHEN COMPILING LARGE COBOL PGM UNDER MVT
CB524	16.0	-P14210-MSGIEQ2090I -CBL-F-EXEC-SOURCE CODE ERROR-MSG INCRCCTLY PRINTED.-PICTURE-&-BLANK WHEN ZERO-.
CB524	16.0	CIRCM-P15306-MSGIEQ4001I -CBL-F-CMPL-FLAG-ERRONEOUS -IF- STMT LAST STMT DEBUG PACKET, IS CONDITIONAL
CB524	16.0	-P17008-MSGIEW0294 -CBL-F-CMPL-DECK-IF CODING IS PUNCHED PASSED COL 72, ERRORS MAY NOT BE FLAGGED
CI505	15.0	CIRCM-P14992-ABEND -CNTRLPRG -CMD-START RDR-IEFDATA DD,RDR PROC,ASSGND TO GROUP OF DEVICES.
CI505	16.0	-P14841-ABEND -CNTRLPRG -IPL-IEAIPLOO-WHEN END OF CYL OR END OF TRK ENCOUNTERED ON READ DISK
CI505	15.0	12985-P12985-ABEND -CNTRLPRG -WTOREPLY-MSGIEF248I-ABEND IF REPLY OTHER THAN CANCEL.
CI505	15.0	-P12826-ABEND -CNTRLPRG-MFT/PCP-CHKPT/RSTRT-MFT-JOB WITHOUT -SYSOUT- CARD.
CI505	15.0	-P12448-ABEND -CNTRLPRG-MFT/PCP-CORE NOT AVAILABLE-LAST 8 PARTIT BYTES FREE CORE
CI505	16.0	-P14741-ABEND -CNTRLPRG-MFT/PCP-SCHED-ALLOC-IF NEW DS NOT GIVEN ANY SPACE SYS GIVES TRK/CYLO
CI505	15.0	14023-P10716-ABEND -CNTRLPRG-MFT/PCP-SCHED-RSTRT-IF JOB RUNNING IN A HIGH PARTITION USES XIENT AR
CI505	16.0	-P17093-ABEND -CNTRLPRG-SCHED-INVALID UNLOAD COMMAND MAY CAUSE PROG. CHECKS
CI505	16.0	RESTR-P11870-ABEND -GEN-IDDASD-2321-IF PROB PROG USES 2 CHANNEL SW FEATURE
CI505	16.0	CIRCM-P14580-ABEND -SYSGEN-FORTRAN-SOREDIT EQ EDIT,OPT EQ 2,SIZE EQ -NK FORM-. SYSGEN TERMINATED
CI505	15.0	12985-P11379-ABENDAOA -CNTRLPRG-MFT/PCP-SCHED-JOB WITHOUT-DD-CARDS FLUSHED-100K SCHED,SEQUENTL.
CI505	16.0	CIRCM-P13651-ABENDB37 -CNTRLPRG-MFT/PCP-SCHED-WHEN ATTEMPTING TO RETRIEVE ALL GENERATIONS OF GDG
CI505	16.0	CIRCM-P14263-ABENDF13 -CNTRLPRG-MFT/PCP-IEFPRTXX-TRYING TO PRINT SYSOUT TAPE
CI505	15.0	RESTR-P13263-ABENDF23 -CNTRLPRG -WTOR- RESPONSE OUTSIDE PROB PROG AREA.SHOULD BE -E23- ABEND
CI505	15.0	15720-P15720-ABENDF37 -CNTRLPRG-MFT/PCP-IDS-END OF CYL INTRPT CAUSES NO RECORD FOUND
CI505	16.0	-P14015-ABENDOCX -CNTRLPRG -NIP-IF TIMER OPT NOT SPEC AT SYSGEN
CI505	15.0	17074-P12281-ABENDOCX -CNTRLPRG-MFT/PCP-CLOSE-SVC16 TO PURGE,PURGE GIVES HALTIO.MAY FL LATER STEP
CI505	16.0	-P14342-ABENDOCX -CNTRLPRG-MFT/PCP-IEATRC/IEAGTM00-MFT WITH TRACE TABLE OPT,PROGCKS IF ABTERM.
CI505	15.0	-P12239-ABENDOCX -CNTRLPRG-MFT/PCP-IGC0002D-NO TIMER FUNCT SPECIF IN-SUPVSOR-MACRO AT SYSGEN
CI505	16.0	17504-P14851-ABENDOCX -CNTRLPRG-MFT/PCP-SCHED-IEFWA000-DD CARD REFS CONTROLUNIT EQ -AFF-.
CI505	15.0	12985-P12993-ABENDOCX -CNTRLPRG-MFT/PCP-SCHED-MORE THAN 8-DD-CARDS USED FOR UNIT RECORD.
CI505	15.0	RESTR-P13602-ABENDOCX -CNTRLPRG-MFT/PCP-SCHED-WTOR PARAM LIST NOT ON FULLWORD BOUNDARY
CI505	15.0	11546-P11546-ABENDOCX -CNTRLPRG-MFT/PCP-XIENT AREA-SVC NOT BEING REFRESHED.
CI505	15.0	-P12324-ABENDOCX -DUMP-ABDUMP-IEAQLK00- RB -CDE- SLOT IN -PRB- ZEROED OUT.
CI505	15.0	-P12444-ABENDOCX -DUMP-ABDUMP-2321-DD DUMMY SPECIFIED

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
CI505	16.0	14499-P14499-ABENDOCX -GEN-IOPTR-IGEO000G-ERP PGM CKS IF DE-UCK WITHOUT CE CAUSED BY UCS PARITY ERR
CI505	16.0	17504-P14075-ABENDOC5 -CNTRLPRG-MFT/PCP-IEFXA-USING ONLY INDEX NAME TO RETRIEVE GENERTNS OF-GDG-
CI505	16.0	-P16377-ABENDOC5 -CNTRLPRG-MFT/PCP-SCHED-BOTH UNIT AND VOL AFFINITY USED.
CI505	15.0	-P15305-ABENDOC5 -CNTRLPRG-MFT/PCP-SCHED-CHKPNT-IF JOB HAS TOO MANY DD CARDS.
CI505	16.0	-P19015-ABENDOC5 -CNTRLPRG-MFT/PCP-SCHED-WHEN DD IS LEFT OFF DD ASTERISK CARD
CI505	15.0	-P10700-ABENDOC5 -CNTRLPRG-MFT/PCP-SUPVSR-WHEN SNAP ISSUED FROM TIMER ASYNCHRONOUS EXIT
CI505	16.0	CIRCM-P14083-ABENDOC5 -CNTRLPRG-MFT/PCP-SVPVSR-IQES FROM GRAPHICS NOT HANDLED BY EXIT EFFECTOR
CI505	15.0	-P16735-ABENDOC5 -CNTRLPRG-SCHED-IEFVHQ PASSES MSG CODE OF 4 TO IEFVHRSS, WHICH HAS ONLY 3 MSGS
CI505	15.0	-P17244-ABENDOC5 -CNTRLPRG-SCHED-IF PROBLEM PROGRAM TERMINATES BEFORE PROCESSING IS COMPLETE
CI505	15.0	-P17786-ABENDOC5 -CNTRLPRG-SUPRVS-PROGRAM CHECK IN ABDUMP MODULE USING SMAP
CI505	15.0	-P13682-ABENDOC5 -GEN-IOTAPE-IGEO000I-DATACHK ON WTM COMMAND. ENVELOPE CHECK ON TDU.
CI505	15.0	-P10735-ABENDOC5 -IOTAPE-WHEN DATA CHAINING AND CHAINING CK OCCURS
CI505	15.0	17504-P11092-ABENDOC6 -CNTRLPRG-MFT/PCP-SCHED-ALLOC-WHEN DD STMTS USING SPLIT PARMS ARENT CONTIGUOUS
CI505	15.0	RESTR-P11503-ABENDOC6 -CNTRLPRG-MFT/PCP-SCHED-COMBINED-GDGS-&DD- STMTS EXCEED 255 IN JOB STEP.
CI505	15.0	-P16724-ABENDOC6 -CNTRLPRG-MFT/PCP-SCHED-IF BLANK CARD BTWN JOB AND JOBLIB CARDS
CI505	15.0	17030-P15832-ABENDOC6 -CNTRLPRG-MFT/PCP-SCHED-IF DD STMT USING DDNAME IS FOLLOWED BY UNNAMED DD STMT
CI505	16.0	-P18608-ABENDOC6 -CNTRLPRG-MFT/PCP-SUPVSR-TRANS REFRESH RTNE STORES FP REQ WITHOUT CHECKING
CI505	15.0	CIRCM-P13533-ABENDOC7 -CNTRLPRG-MFT/PCP-SCHED-NONNUMBER CHAR IN GENERATION FIELD
CI505	15.0	17495-P12281-ABENDOF1 -CNTRLPRG-MFT/PCP-CLOSE-SVC16 TO PURGE, PURGE GIVES HALTIO. MAY FL LATER STEP
CI505	15.0	14023-P14492-ABENDOF1 -CNTRLPRG-MFT/PCP-SCHED-CHKPNT-PUT SVRB AT END OF CHAIN-LINK NOT POINT TO TCB
CI505	15.0	-P13434-ABENDOF1 -CNTRLPRG-MFT/PCP-SUPVSR-RESUME PSW IS IN -ENABLED- STATE.
CI505	15.0	17495-P12281-ABENDOF2 -CNTRLPRG-MFT/PCP-CLOSE-SVC16 TO PURGE, PURGE GIVES HALTIO. MAY FL LATER STEP
CI505	15.0	14023-P12919-ABEND106 -CNTRLPRG -RSTRT-IGC0706C, IGC0806C-SVRB INCRCTLY MOVED AND OVERLAID
CI505	15.0	13985-P16005-ABEND106 -CNTRLPRG-SUPRVS-IO ERRORS INTERMITTENTLY NOT RECORDING ON OBR OR CONSOLE
CI505	15.0	-P13171-ABEND138 -SORTS-MFT-MULTI WTOS-ENQUEUED-INTERVENTN REQD FOR-QUEUED -WTO-.SYSABENDS.
CI505	16.0	-P16313-ABEND213 -CNTRLPRG-SCHEDULR-PARM-IF INCORRECT UNIT SPEC. IN Q EQ. OF SET COMMAND
CI505	15.0	-P18292-ABEND220 -CNTRLPRG-MFT/PCP-INVALID TCB PROTECTION KEY IN PROGRAM TCB
CI505	15.0	-P17119-ABEND222 -CNTRLPRG-SCHED-JOB Q FULL CONDITION MAY CAUSE SYSTEM TO CANCEL THE JOB
CI505	16.0	RESTR-P13844-ABEND505 -CNTRLPRG -CMD-SET CMD. UNIT SPECIF IN-REQ-NOT CONTAIN-JOBQUE.-
CI505	15.0	-P13839-ABEND513 -CNTRLPRG-MFT/PCP-AFTER-ABEND 213-SYSOUT DEVICE IS TAPEUNIT
CI505	16.0	-P15315-ABEND513 -CNTRLPRG-SCHED-IF DATA SET IS OPENED WHILE REWINDING MAY ABEND
CI505	15.0	14023-P13736-ABEND513 -SORTAPE-RSTRT-REPOSITIONED TDU WHICH WAS -CLOSED- AT CHKPNT TIME-USERCOUNT ERR
CI505	15.0	-P13053-ABEND60A -CNTRLPRG -CMD-SETDATE-INVALID FREEMAIN RESULTS.
CI505	15.0	14193-P14193-ABEND60A -CNTRLPRG-MFT/PCP-WTO BUFFERS IN USE WHEN I/O ERR OCCURS.
CI505	15.0	14023-P13555-ABEND613 -CNTRLPRG -MFT/PCP-RSTRT-REPOSITIONING-SYSOUT-BYPASSED.
CI505	16.0	-P12018-ABEND613 -GEN-IOTAPE-CODE-OPEN, SCRATCH LABEL TAPE ON TDU WHICH AAD UNLABLED TAPE PREVSLY
CI505	16.0	-P15765-ABEND80A -CNTRLPRG-MFT/PCP-SCHED-PROBLEM PGM ABEND BECAUSE SCHED DONT FREE UNUSED CORE
CI505	15.0	-P17694-ABEND806 -CNTRLPRG-SCHED-IF AN ATTEMPT IS MADE TO USE ISAM AND ISAM NOT SYSGENED, ABEND
CI505	15.0	-P16204-ABEND813 -CNTRLPRG -MFT/PCP-CMD-START RDR-DSN PARM OMITTED FROM START COMMAND.
CI505	15.0	-P13106-ABEND90A -CNTRLPRG-MFT/PCP-SCHED-DD DUMMY FOR CLOSED CHECKFILE CAUSES.
CI505	15.0	CIRCM-P15224-ASM-E-EXEC -CODE-ENQ/DEQ-MACRO EXPANSION OF REG FORM BYPASSES STORE INSTR BY -BAL- INST
CI505	16.0	-P15139-ASM-E-EXEC -CODE-MACRO-SNAP-BAD DUMP ADDR IF SUB-PARM OF STG PARM IS GTR 8 CHARACTERS
CI505	15.0	CIRCM-P15224-ASM-F-EXEC -CODE-ENQ-DEQ-MACRO EXPANSION OF REG FORM BYPASSES STORE INSTR BY BAL INSTR
CI505	15.0	CIRCM-P15173-ASM-F-EXEC -CODE-ENQ/DEQ-MACRO-EXECUTE FORM EXPANSION CAUSES DUPLICATE LABEL.
CI505	16.0	-P15139-ASM-F-EXEC -CODE-MACRO-SNAP-LABEL IS AT WRONG ADDRESS.
CI505	15.0	14023-P12592-CNTRLPRG -MFT/PCP-SCHED-RSTRT-FAILS IF SYSOUT ON TAPE & IN USE AT RSTRT TIME
CI505	16.0	17074-P17975-CNTRLPRG -IOS-ERP-IDS-TESTS UCB INTERCEPT FLAG BEFORE TESTING DCB FOR ERP IN CONTROL
CI505	15.0	-P17293-CNTRLPRG -MF-/PCP-SCHED-DID NOT DIAGNOSE ALL JCL ERRORS IN ONE SCAN
CI505	15.0	-P10124-CNTRLPRG -MFT/PCP-GEN-CMD-REQUEST TO CHANGE WRITERS BTWN PARTITIONS DELAYS EFFECT
CI505	16.0	CIRCM-P14122-CNTRLPRG -MFT/PCP-GEN-CMD-SET ACCT FAILS TO RESET SYS1.ACCT DS IF ON OTHER THAN SYSRES
CI505	16.0	-P15441-CNTRLPRG -MFT/PCP-IEFCEREPO-DOESNT EDIT&PRINT 2ND SENSE BYTE, SYNCHRO COMMUN ADPTER.
CI505	16.0	-P12745-CNTRLPRG -MFT/PCP-IDS-IF ALT CHAN TO DEV IS DOWN ALL CHANS TO DEV CONSIDERED DOWN
CI505	16.0	-P14977-CNTRLPRG -MFT/PCP-IDS-IFCDIPO-IF SYS1.LOGREC LIES ACROSS CYL BNDRY OBR, SER, & ASR CANT RCD
CI505	15.0	-P15677-CNTRLPRG -MFT/PCP-IPL-IF GT 1 RAM LIST SPEC AT IPL, ONLY 1ST LIST SELECTED
CI505	16.0	PUBCH-P18796-CNTRLPRG -MFT/PCP-MODIFICATION OF DCB WHEN CONCAT DS WITH UNLIKE ATTRIBUTES
CI505	16.0	CIRCM-P14735-CNTRLPRG -MFT/PCP-NIP-INCRCTLY LOADS TYPE 3 AND/OR 4 SVCS. RSVCL OPTION SELECTS.
CI505	16.0	-P14810-CNTRLPRG -MFT/PCP-NIP-NIP MSG DOES NOT REQUIRE QUOTE MARK AT END OF REPLY

		REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST	0652	68250
CMPNT-	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.		
CI505-	15.0	10057-P15672-CNTRLPROG	-MFT/PCP-SCHED-ACCEPTS ONLY 20 VOLS MAX TAPE INPUT.XREF IOTAPE-GEN-LABEL.	
CI505-	15.0	-P10431-CNTRLPROG	-MFT/PCP-SCHED-ACCEPTS SYSOUT EQ NULL-NO DIAG GIVEN	
CI505-	16.0	-P13793-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-DUMMY DS NOT ESTABLISHED FOR DS NAME EQ NULLFILE	
CI505-	16.0	14001-P14001-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-IF CANT FIND SPACE FOR LOWER PARTN-REQ DISMOUNT OF SYSRES	
CI505-	16.0	RESTR-P13543-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-IF PERM RES DEV VARIED OFFLING ALLOC RECOV CANT ALLOC DEV	
CI505-	15.0	9676-P11913-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-MAY ALLOC PUBLIC VOL REQUESTS TO 1 VOL,FAIL BALAN CHAN LD	
CI505-	16.0	17504-P15693-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-NONSPECIF TEMP DEVICE CAN ALLOC TO PVT PERM RESIDENT DA DS	
CI505-	16.0	13095-P13095-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-PASSED DS NOT UNALLOCATED WHEN STEP FAILS.	
CI505-	15.0	-P14284-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-SYSGEN PUBLCTN SAYS DS ALLOC IN ORDER DS CDS ENTERED	
CI505-	16.0	14295-P09676-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-UNIT SEPARATION NOT HONORED FOR NON-SPECIFIC DA REQUESTS	
CI505-	15.0	14733-P14733-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-UNSUPPORTED DEV ALLOCATED AS TAPE DRIVE.	
CI505-	15.0	14023-P13102-CNTRLPROG	-MFT/PCP-SCHED-CHKPNT/RSTRT-RESTORES TIOT TO CORE NOT NECESSARILY GOTTEN	
CI505-	15.0	14023-P10713-CNTRLPROG	-MFT/PCP-SCHED-CHKPT/RSTRT-DOESNT WORK IF SAME JOBS ARENT IN OTHER PARTITIONS	
CI505-	16.0	CIRCM-P13794-CNTRLPROG	-MFT/PCP-SCHED-CONCAT MULTI-DATA SET ON SINGLE TAPE USING RETAIN/PASS-TAPE-RWU	
CI505-	16.0	17030-P15885-CNTRLPROG	-MFT/PCP-SCHED-DEFAULT OPT OF SL IN NOT INVOKED FOR CONCAT TAPE DATA SETS	
CI505-	16.0	14295-P14295-CNTRLPROG	-MFT/PCP-SCHED-DS NOT PASSEDIF UNIT -AFF,DISP-PASS,NONTEMP DSNAME ON SAME DD	
CI505-	16.0	-P13565-CNTRLPROG	-MFT/PCP-SCHED-DSNAME FIELD NOT PROPERLY CHECKED FOR SYNTAX.	
CI505-	15.0	-P17785-CNTRLPROG	-MFT/PCP-SCHED-ERRONEOUS BRANCH TO OPEN BECAUSE OF INVALID COMPARE INSTRUCTION	
CI505-	16.0	16368-P16368-CNTRLPROG	-MFT/PCP-SCHED-FAILS TO OVERRIDE DCB PARM OF DD CARD WHEN DD USING DCB REFER	
CI505-	15.0	RESTR-P13412-CNTRLPROG	-MFT/PCP-SCHED-IF STEP RECEIVING-PASSED DS IS LAST STEP & ENCOUNTER AN ERROR	
CI505-	16.0	-P18022-CNTRLPROG	-MFT/PCP-SCHED-INCORRECT EXPIRATION DATES ASSIGNED TO NEW DATA SETS	
CI505-	15.0	-P12326-CNTRLPROG	-MFT/PCP-SCHED-IPL-WARM-AFT F03 ABEND-JOBS ON INPUT QUEUE HNDLED INCRCITLY.	
CI505-	16.0	RESTR-P16868-CNTRLPROG	-MFT/PCP-SCHED-RIGHT QUOTE NOT DELETED WHEN ACCOUNTING INFO TAKEN FROM JOB CARD	
CI505-	15.0	14023-P10715-CNTRLPROG	-MFT/PCP-SCHED-RSTRT-DD STMTS ADDED TO GET SCHEDULAR MOUNT MSG ARE IGNORED	
CI505-	15.0	14023-P14023-CNTRLPROG	-MFT/PCP-SCHED-RSTRT-IF UNIT EQ AFF IN CHKPNTD JOB, RSTRT DONT WORK	
CI505-	15.0	14023-P14079-CNTRLPROG	-MFT/PCP-SCHED-RSTRT-INCRCITLY POSITIONS TAPES IF MIXED NSL,SL,NL, TYPE DRIVES	
CI505-	15.0	14023-P10711-CNTRLPROG	-MFT/PCP-SCHED-RSTRT-POSITIONS TAPE WRONG WHEN STARTING FROM OTHER 1ST REC	
CI505-	15.0	-P11486-CNTRLPROG	-MFT/PCP-SCHED-SYSTEM DOESNT ASSUME DISP EQ PASS ON JOBLIB DISP EQ OLD	
CI505-	15.0	-P15775-CNTRLPROG	-MFT/PCP-SCHED-TAPE VOLS NOT ACCEPTD-MULTIFILE VOLUME TAPE.	
CI505-	15.0	-P18187-CNTRLPROG	-MFT/PCP-SCHED-UNABLE TO CANCEL PROGRAMS WITH 1 PARTITION	
CI505-	16.0	16502-P16502-CNTRLPROG	-MFT/PCP-SCHED-WHEN PASSED TAPE DS NOT RECVD-DEVICE CONTAINING DS CAN BE ALLOC	
CI505-	16.0	RESTR-P11072-CNTRLPROG	-MFT/PCP-SCHED-WRONG DS NAME PICKED UP-USING REFER BACK TO A GOG DSNAME	
CI505-	15.0	-P12702-CNTRLPROG	-MFT/PCP-SCHED-WRONG GENERTN LOCATED IF/DISP EQ PAREN NEW,PASS PAREN- SPECFD.	
CI505-	15.0	-P17999-CNTRLPROG	-MFT/PCP-SUPVSR-WHEN 6 HOUR ELEMENT EXPIRES, TIME IS INCORR UPDATED	
CI505-	15.0	-P15843-CNTRLPROG	-MFT/PCP-SUPVSR-ENQUE/DEQUE-MFT-MAN CALLER RTNE STORES REG ATOP CALLER REGS.	
CI505-	15.0	-P13945-CNTRLPROG	-MFT/PCP-SUPVSR-IDENTIFY MACRO-RETURNS CODE 0-IF EPNAME SAME AS PROB PROG NAME	
CI505-	15.0	13831-P16994-CNTRLPROG	-MFT/PCP-SUPVSR-IDS-DUE TO HDWRE ERROR IO FLIH MOVE 7 CSW BYTES TO RANDOM LOC	
CI505-	15.0	-P12090-CNTRLPROG	-MFT/PCP-SUPVSR-SVC TABLE SYSGENS WRNG IF ONLY 1 USER SVC....SVC 255.	
CI505-	16.0	-P15737-CNTRLPROG	-MFT/PCP-SUPVSR-TIMER-SLIH FAIL TO 0 HI ORDER BYTE OF TQE.	
CI505-	15.0	10885-P10885-CNTRLPROG	-MFT/PCP-SUPVSR-TIMER-TASK TIMER NOT TIMING CORRECTLY OVER WAITS	
CI505-	16.0	-P14692-CNTRLPROG	-MFT/PCP-SUPVSR-TIMER-YEAR DOES NOT UPDATE AT MIDNIGHT OF DAY 365 OR 366	
CI505-	15.0	-P18178-CNTRLPROG	-MFT/PCP-TIOT CORE SIZE TOO LARGE FOR THE AMOUNT OF JCL	
CI505-	15.0	-P18493-CNTRLPROG	-MVT-SCHED-PASSED DATA BEING DELETED TWICE	
CI505-	16.0	-P15575-CNTRLPROG	-MVT-SUPVSR-TAH RTN IS NOT UPDATING TAB POINTER	
CI505-	16.0	-P15669-DUMP	-ABDUMP-MFT/PCP-PARTIAL DUMP DUE ABEND 2 NOT STEALING ENOUGH CORE.	
CI505-	16.0	-P10560-DUMP	-ABDUMP-TERMINATES DURING PRINTOUT OF DATASET INFO	
CI505-	16.0	-P15139-DUMP	-SNAP-IF LOC CTR IS ODD AT BEGIN OF SNAP MACRO,LABEL IS WRONG ADDRESS WISE.	
CI505-	16.0	-P15139-DUMP	-SNAP-IF SVB PARAM OF STG PARAM IS GR 8 CHARS IS TRUNC GVING BAD DUMP ADDR.	
CI505-	15.0	12985-P12993-IOCONSOLE	-GEN-RECBAD-INCRCRT OUTPUT-MORE THAN 4 -DD- CARDS SUBMITTED FOR UNIT RECORD.	
CI505-	15.0	12985-P11761-IOCONSOLE	-GEN-2260-MSG OVERLAY ON SCREEN WHEN MSGS IEF236I & 237I ISSUED.XREF MSG.	
CI505-	15.0	-P13172-IODASD	-CNTRLPROG-MFT/PCP-RSTRT-TRACK MAY BE CONNECTD TO 2 JOBS WHEN RSTRT DONE.	
CI505-	15.0	15720-P13336-IODASD	-GEN-EOF-2321-FALSE EOF INDICATION AFTER 1/DEORR ON 2321.	
CI505-	16.0	13652-P13652-IODASD	-GEN-ERP-IEC23XXB,XXC,XXD,XXE-AFTER RESEEKING DOES SHA INSTEAD OF RHA	
CI505-	16.0	-P13902-IODASD	-GEN-SENSE-NUMBER SENSE BYTES FOR DASD NOW 6 BYTES.	
CI505-	15.0	-P14522-IODASD	-GEN-2321-UCB EXTENTION-DESCRIPTION OF FORMAT IN ERR.DCELBBNR ORIGIN.	
CI505-	16.0	CIRCM-P14083-IOGRAPHICS	-GEN-IQES FROM GRAPHICS NOT BEING HANDLED BY EXIT EFFECTOR	
CI505-	15.0	-P11650-IOPAPTAPE	-GEN-CODE-OPCODE -X02- INSTD OF-X06-USED TO READ.-RECFORM EQ U-PROB.	

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
CI505	15.0	-P15186-IOPCH	-GEN-ERP-IGEO00IG-SYSTEM WAIT IF USING 3 BUFFERS ON A PUNCH.
CI505	15.0	-P12836-IOPTR	-GEN-CODE-CCTL-XLATE TABLE GENS INVALID CMD-1403-CMD 05 OR 07 GENS.
CI505	15.0	-P11593-IOPTR	-GEN-EXTRA-CHARS-WHEN PAUSE FOR FORMS ON DS HAS BEEN REQUESTED
CI505	16.0	-P16454-IORDR	-GEN-CODE-CLOSE-RDR CLOSED BY NULL STMT IN INPUT STREAM. WILL BE CHANGED.
CI505	15.0	-P15775-IOTAPE	-CNTRLPRG-MFT/PCP-SCHED-MULTIFILE TAPE VOL REJECTED. DD CARD PROBLEM.
CI505	16.0	-P14817-IOTAPE	-GEN-ERP-IGEO200I-EXCEPTIONAL COND NOT POSTED IF CE-DE-WLR COME TOGETHER
CI505	15.0	11450-P11450-IOTAPE	-GEN-LABEL-TRAILER-BAD TRAIL LBLs WRITE BY -TCLOSE-SYSJOBQE RESIDENT AT TIME
CI505	15.0	10057-P15672-IOTAPE	-GEN-LABEL-21ST REEL OF MULTIVOL DS, VOL SERIAL NR NOT ACCEPTED.
CI505	16.0	CIRCM-P13794-IOTAPE	-GEN-RWU-CONCAT MULTI-DATA SETS ON SINGLE TAPE USING RETAIN/OR PASS
CI505	15.0	-P10752-IOTIMER	-GEN-TIME INCRCT-APPX 5 HRS AFT IPL.TIMER EQ TIME SPECIFIED AT SYSGEN TIME.
CI505	16.0	-P15240-IOTP-BTAM	-GEN-BUSY-BIT LEFT ON IN UCB.CAUSED BY HID GETTING BUSY STATUS BACK.
CI505	15.0	-P12591-IOTP-BTAM	-GEN-IOERR-MSG NOT SENT BIT ERRONEOUSLY SET FOR TEXT MODE ERRORS
CI505	15.0	17494-P17494-LOOP	-CNTRLPRG-IO5-DURING ABEND CONTROL PROGRAM GOES INTO PROGRAM CHECK LOOP
CI505	16.0	09688-P09688-LOOP	-CNTRLPRG-MFT-SUPVSR-IF H1 PRIORITY PARTITION IS CONTEND FOR TRANIENT AREA
CI505	15.0	-P18817-LOOP	-CNTRLPRG-MFT/PCP-AFTER IPL IF REQUEST HIT TWICE AND THEN CANCEL HIT
CI505	15.0	-P13446-LOOP	-CNTRLPRG-MFT/PCP-IEAATM01-ABENDING WITH 80A. NO SYSABEND CARD SUBMITTED.
CI505	15.0	-P11962-LOOP	-CNTRLPRG-MFT/PCP-IEAQAB00-ABTERM TRY SCHED ABTERMINATE FOR DUMMY-TCB-MODULE
CI505	15.0	-P12850-LOOP	-CNTRLPRG-MFT/PCP-IEAQAD00-USER DESTROYD FREE QUE ELEMENT -FQE-
CI505	16.0	-P12745-LOOP	-CNTRLPRG-MFT/PCP-IO5-IF ALTERNATE CHANNEL TO DEVICE IS DOWN
CI505	16.0	17074-P16382-LOOP	-CNTRLPRG-MFT/PCP-IO5-2816 TAPE-MADE READY AFTER BEING NOT READY.
CI505	16.0	-P14741-LOOP	-CNTRLPRG-MFT/PCP-SCHED-ALLOC-IF NEW DS NOT GIVEN ANY SPACE SYS GIVES TRK/CYLO
CI505	15.0	CIRCM-P14200-LOOP	-CNTRLPRG-MFT/PCP-SCHED-CHKPNT-NOT CHK FOR TIOT END SEARCHNG FOR CHKPT -DS-
CI505	15.0	-P14165-LOOP	-CNTRLPRG-MFT/PCP-SCHED-CHKPT/RSTRT-IHJ090-LOOPS-MISSING INSTRUCTION.
CI505	15.0	-P15220-LOOP	-CNTRLPRG-MFT/PCP-SCHED-IF CONSOLE RUNS OUT OF PAPER,RESTART HANGS IN LOOP.
CI505	15.0	16035-P16035-LOOP	-CNTRLPRG-MFT/PCP-SCHED-JOB STEP 2 HAS -EXEC PROC- CARD MISSING.
CI505	16.0	-P18986-LOOP	-CNTRLPRG-MFT/PCP-SCHED-WHEN INVALID VOLUME STMT.EXPRESSED
CI505	15.0	-P16309-LOOP	-CNTRLPRG-MFT/PCP-SUPVSR-ABDUMP LOAD6-SEARCHING FOR REMOVED FQE
CI505	15.0	-P11947-LOOP	-CNTRLPRG-MFT/PCP-SUPVSR-DURING ABEND-CHECKING FOR SYSABEND-DD-CARD.TIOTBAD
CI505	15.0	-P15497-LOOP	-CNTRLPRG-MFT/PCP-SUPVSR-IN ABEND 1 IF TASK IS TERM WHILE IO PURGE IN CNTRL
CI505	15.0	-P12940-LOOP	-CNTRLPRG-MFT/PCP-SUPVSR-WHEN SYS TRIES TO ABEND WITH 80A
CI505	16.0	-P15756-LOOP	-CNTRLPRG-MVT-IEAQAB00-IN ABEND202 ATTEMPT.PASSED FROM IO5 CODE OF 202.
CI505	15.0	-P18180-LOOP	-CNTRLPRG-SCHED-USING SYSPRINT DD DUMMY EXCESSIVE JOB SEPARATOR PAGES PRINTED
CI505	15.0	-P17871-LOOP	-CNTRLPRG-SUPVSR-IF RAM MODULE EXCEEDING 1024 BYTES IS LOADED
CI505	16.0	CIRCM-P15008-LOOP	-GEN-IOCONSOLE-IEFPRES-PRINTING LIST OF PRESRES AND RESERVED VOLUMES.
CI505	16.0	-P14019-LOOP	-SYSGEN-STG -SGGEN100-UNITNAME MACRO HAS ONLY 1 UNITADDRESS WHICH IS BAD.
CI505	15.0	-P13323-MSG	-ASM-F-ASSY-FLAG-IEAQBK-FLAGS 0 SEVERITY MNOTE ASMBLING IEAQBK AT SYSGEN
CI505	15.0	CIRCM-P12699-MSG	-CNTRLPRG-MFT/PCP-CMPLTN CODE-056-ERRONEOUS. WTOR OUTSTANDING AT TERMINATION
CI505	15.0	14023-P10712-MSG	-CNTRLPRG-MFT/PCP-SCHED-CHKPT-MSG NUMBER WRONG AFTER 9TH CHKPT
CI505	15.0	CIRCM-P07586-MSG	-CNTRLPRG-MFT/PCP-SCHED-DIAGNOSTIC MSG PRINTS ON SAME PAGE AS NEXT JOB CARD
CI505	16.0	10057-P10057-MSG	-CNTRLPRG-MFT/PCP-SCHED-DS NOT DELETED IF IT HAS DIFFERENT DISP ON 3 STEPS
CI505	15.0	-P08718-MSG	-CNTRLPRG-MFT/PCP-SCHED-DURING PROCESSING OF SINGLE GDG DD CARD
CI505	15.0	RESTR-P13047-MSG	-CNTRLPRG-MFT/PCP-SCHED-ERRONEOUS MOUNT MSG WHEN VOL SER NO NOT SPEC USING REF
CI505	16.0	-P13429-MSG	-CNTRLPRG-MFT/PCP-SCHED-ETRANEOUS 25 PRINTED AS PART OF PRES MSG
CI505	15.0	12985-P12349-MSG	-GEN-IO-/DIRECT ACCESS SPACE NOT AVAILABLE/-SYSTEM WONT TRY TO RECOVER.
CI505	16.0	-P14542-MSG	-GEN-IODASD-2321-IF INVAL ADDR COND ON 2321 AT IPL,2321 FLAGS AS OFFLINE.
CI505	15.0	-P11872-MSG	-LKED-FLAG-SYMBOL-IECTRMTB-FLAGGED AS/UNRESOLVED EXTERN REFERENCE/.
CI505	15.0	-P14863-MSGIEA104H	-CNTRLPRG-MFT/PCP-IPL-SYSRES ON CHANNEL 2.
CI505	16.0	CIRCM-P14580-MSGIEF1TC115	-SYSGEN-FORTRAN-FOLWD BY TERMINATION SYSGEN. XREF/ABEND-SYSGEN-FORT./
CI505	15.0	-P15243-MSGIEF147I	-CNTRLPRG-MFT/PCP-SCHED-IF OVERIDING DD CARD IN CAT PROC WITH DD ASTRSK/DATA.
CI505	16.0	-P13974-MSGIEF151I	-CNTRLPRG-MFT/PCP-SCHED- COND PARAM ON EXEC STMT OVERIDDEN WITH NULL PARAM.
CI505	15.0	RESTR-P13138-MSGIEF213I	-CNTRLPRG-MFT/PCP-SCHED-RETRVNG-GDGS-BY -ALL-FUNCT ERRS IF GRTR 8 GENS ON-CVOL
CI505	15.0	-P16340-MSGIEF218I	-CNTRLPRG-MFT/PCP-SCHED-ERRONEOUS-WHEN CATALOGING NEW GDG DS USING MODEL DSCB
CI505	15.0	12985-P11761-MSGIEF236I	-CNTRLPRG-MFT/PCP-2260 CONSOLE-NEWLINE OVERLAYS PART OF DISPLAY.
CI505	15.0	12985-P11761-MSGIEF237I	-CNTRLPRG-MFT/PCP-2260 CONSOLE-NEWLINE OVERLAYS PART OF DISPLAY.
CI505	16.0	17504-P12338-MSGIEF241I	-CNTRLPRG-MFT/PCP-PRINTS MSG SEVERAL TIMES-SYSIN DS VARYED OFFLINE.
CI505	15.0	-P18728-MSGIEF244I	-CNTRLPRG-MFT/PCP-MSG.OCCURS EVEN THOUGH JOB RUNS SUCCESSFULLY
CI505	16.0	17030-P16986-MSGIEF244I	-CNTRLPRG-MFT/PCP-SCHED-WHEN USING EXEC DD REFER BACK TO PREVIOUS STEP

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST

0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
C1505	15.0	17504-P17504-MSGIEF244I -CNTRLPROG-MFT/PCP-WHEN REFERENCEING A GDG WITHOUT GENERATION NUMBER
C1505	15.0	12985-P12985-MSGIEF248I -CNTRLPROG-MFT/PCP-SCHED-CANCEL FORCED-INSUF SPACE ON RESERVD VOLTS.
C1505	16.0	-P17368-MSGIEF253I -CNTRLPROG-SCHED-OVERRIDING THE SYSLIN DD CARD,DATA IS INDICATED IN INPU STREAM
C1505	15.0	CIRCM-P11897-MSGIEF261I -CNTRLPROG-MFT/PCP-EXTRANEIOUS CHARS PRINT IN PLACE OF -DD- NAME IN MSG.
C1505	15.0	-P17962-MSGIEF453I -CNTRLPROG-MFT/PCP-SCHED-GD STEP FAILS RUNNING A FOUR STEP JOB
C1505	15.0	-P18231-MSGIEF453I -CNTRLPROG-SCHED-IF DATA CARD WAS NOT READ BY PROBLEM PROGRAM MAY GET JCL ERROR
C1505	16.0	-P15430-MSGIEF506D -CNTRLPROG-MFT/PCP-IF EOF OCCURRED AT END OF TRACK
C1505	15.0	17504-P11608-MSGIEF506I -CNTRLPROG-MFT/PCP-/NO STORAGE VOLTS-PRIVATE ASSUMED/MSG.IEFWAOOO.
C1505	15.0	-P15243-MSGIEF606I -CNTRLPROG-MFT/PCP-SCHED-OVERIDING DD CARD IN CAT PROC WITH DD ASTRSK OR DATA
C1505	15.0	-P17286-MSGIEF628I -CNTRLPROG-MFT/PCP-SCHED-COMMENT ON DD CONT.CARD STARTING WITH AN ASTERISK
C1505	16.0	-P16372-MSGIEF647I -CNTRLPROG-MFT/PCP-ERRONEOUS MSG, /---/ IS INCLUDED IN DS NAME.
C1505	16.0	-P15577-MSGIEIEN182-SYSGEN-STG2-NUCLEUS/PROCESSOR-INCRCT DIAGNOSTIC THAT DO NOT APPLY CAN OCCUR
C1505	16.0	RESTR-P14814-MSGIEU057 -SYSGEN-STG2-WHEN DUMMY UNIT ARE COMBINED WITH SPECIFIC UNIT IN UNIT NAME MACRO
C1505	15.0	17030-P17030-MSGIEW0294 -CNTRLPROG-MFT/PCP-SCHED-WHEN USING REFER BACK OF DS AS INPUT TO LINK EDITOR
C1505	16.0	-P16572-SYSGEN -CODE-OPERATOR COMMUNICATION CODE OMITTED IF JOBQRES & COMM OPT SPECIFIED
C1505	15.0	-P14284-SYSGEN -GEN-PUB-ERROR-STATES THAT DS ARE ALLOC IN ORDER DD CARDS PRESENTED
C1505	15.0	-P15148-SYSGEN -NUCLEUS ONLY-CTRLPROG MACRO-CLARIFICATION OF MACRO
C1505	16.0	-P17110-SYSGEN -SYSGEN DIAG.DO NOT RECOG.THE LIMIT OF 248 DEV.MASK TABLE ENTRIES
C1505	16.0	-P15514-SYSGEN-STG1 -IOCONTROL-MACRO-TRNMODE-CARDS MAY APPEAR OUT OF SEQUENCE
C1505	16.0	-P13657-SYSGEN-STG1 -IODEVICE MACRO-FEATURE ALKYB2260-IS INTERPRETED AS A TP FEATURE OF AUTOPOLL
C1505	15.0	CIRCM-P12931-SYSGEN-STG1 -1052-MOD-8-NOT SUPPORTED IN SYSGEN
C1505	15.0	CIRCM-P11594-SYSGEN-STG2 -CTRLPROG MACRO-IF OVERLAY NOT SPEC &SGOVERB IS SET TO INDICATE DEFAULT OPTION
C1505	16.0	17074-P17074-WAIT -CNTRLPROG-IOS-IF USING THE 2870 HIGH SPEED MULTIPLEXOR CHANNEL, WAIT MAY OCCUR
C1505	16.0	12331-P12331-WAIT -CNTRLPROG-MFT-.TASK ABENDED,BUT,ASYNCHRONOUS INTRUPT OCCURRED DURING ABEND.
C1505	15.0	-P12448-WAIT -CNTRLPROG-MFT/PCP-CORE NOT AVAILABLE-LAST 8 PARTIT BYTES FREE CORE
C1505	15.0	-P12014-WAIT -CNTRLPROG-MFT/PCP-I-----WTO-BFR LIMIT EXCEEDED-WTO TRY ANSWER INVALID CMD
C1505	16.0	-P16279-WAIT -CNTRLPROG-MFT/PCP-IPL-IF AUTO START WRT BUT NOT AUTO START RDR SPEC AT SYSGEN
C1505	16.0	-P11545-WAIT -CNTRLPROG-MFT/PCP-SCHED-SYS ERRS DURING-ALLOC-GAVE ABEND DUR ALLOCATE.
C1505	15.0	-P15709-WAIT -CNTRLPROG-MFT/PCP-SUPVSR-AFTER EXEC OF SVC 16 FOR DISK DS.
C1505	15.0	-P16171-WAIT -CNTRLPROG-MFT/PCP-SUPVSR-HIORDER BYTE OF TCB ADDR PASSED TO ENQ/DEQ IS GARBAGE
C1505	16.0	16265-P16265-WAIT -CNTRLPROG-MFT/PCP-SUPVSR-TRYING TO USE 2321 ON 2870 HISPEED MPX CHANNEL
C1505	15.0	-P17216-WAIT -CNTRLPROG-SCHED-CANCEL GO146 INTO WAIT STATE
C1505	15.0	-P17178-WAIT -CNTRLPROG-SCHED-IF REQUESTS FOR UNIT AFF TO SYSABEND, AND SYSABEND IS PRINTER
C1505	15.0	-P17460-WAIT -CNTRLPROG-WTO-IF BUFFERS EQUAL TO WQE LIMIT AND ACQUIRED DYNAMICALLY MAY WAIT
C1505	15.0	-P15186-WAIT -GEN-IOPCH-ERP-IEGE0001--WITH 3 BFRS ON PUNCH,ERR WAIT CAN OCUR.
C1505	15.0	17074-P15202-WAIT -TP-BTAM-WHEN USER TRYING TO SEND DATA THROUGH TP LINES TO CPU
C1505	15.0	17074-P13381-WAIT -TP-XTAM-IEANUCOL-IEGIOS-UNSOLICITED DEV ENDS.BYTE 1 UCB UCBLTS ZERDED OUT
C1505	15.0	CIRCM-P11448-WAITF01 -CNTRLPROG -CMD-CANCELCMD-MFT-CNCLING LWR PARTITION AFT HI PARTITN ABENDED
C1505	16.0	13985-P14388-WAITF01 -CNTRLPROG-MFT/PCP-IF INTERVENTION REQ RETURNED WHILE DA ERROR RTN IN CONTROL
C1505	16.0	14388-P14388-WAITF01 -CNTRLPROG-MFT/PCP-IF INTERVENTION REQ RETURNED WHILE DA ERROR RTN IN CONTROL
C1505	15.0	13831-P16903-WAITF01 -CNTRLPROG-MFT-PCP-IOS-AN INTRPT WITH UNUSUAL STAT OVERLAYS CODE IN BLDL RTN
C1505	15.0	-P17643-WAITF01 -CNTRLPROG-MFT/PCP-SCHED-CMD-PTF 13171 CAUSES WTO TO ISSUE SVC 10 CAUSING ABEND
C1505	15.0	-P17419-WAITF01 -CNTRLPROG-SCHED-WAIT AFTER AUTOMATIC COMMAND ISSUED, RDR NOT READY
C1505	15.0	-P18438-WAITF01 -CNTRLPROG-SUPVSR-IF RDR NOT READY AND AUTO COMMANDS GIVEN SYSTEM WAITS
C1505	15.0	RESTR-P11981-WAITF03 -CNTRLPROG -CMD-CANCELCMD-FROM CONSOLE WHEN JOB IN -MUSTCOMPLETE-STATE.
C1505	15.0	-P11935-WAITF03 -CNTRLPROG -IPL-DASD-DEVICE WITH SAME -VOLID- AS IPL DEVICE IS ON LINE.
C1505	15.0	-P13964-WAITF03 -CNTRLPROG-MFT/PCP-DEB CHAIN BROKE-SYSOUT DCB CANT BE CLOSED BY ABEND.
C1505	16.0	CIRCM-P14984-WAITF03 -CNTRLPROG-MFT/PCP-IF FQE BAD WHILE PURGING TIMER DURING ABEND.
C1505	16.0	17074-P13831-WAITF03 -CNTRLPROG-MFT/PCP-IOS-AFTER HIO ISSUED TO TP DEVICE
C1505	16.0	-P19015-WAITF03 -CNTRLPROG-MFT/PCP-SCHED WHEN DD IS LEFT OFF DD ASTERISK CARD
C1505	15.0	-P13899-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-DD STMT RESLTS IN REQST FOR DEV ON WHICH -CVOL MOUNTED
C1505	16.0	14118-P14118-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-IF OBTAIN DONE ON GDG DATASET PLUS 1
C1505	16.0	15550-P14604-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-IF PRINT CHECK OCCURS WHILE PRINTING SMBS
C1505	16.0	16513-P16513-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-IF JCL FAILURE IS FOLWD BY OVERIDE DD* STMT TO CATPROC
C1505	16.0	16162-P16162-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-JCL STARTING IN COL 17 OR BEYOND.
C1505	15.0	-P15272-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-JCL CARD MISSING // IN CONTROL CARD.
C1505	16.0	-P15776-WAITF03 -CNTRLPROG-MFT/PCP-SCHED-NO DD CARDS THIS STEP, PREV STEP HAD -GD6- DS.

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
C1505	15.0	-P17421-WAITF03	-CNTRLPROG-MFT/PCP-SCHED-ON SYSIN DD STMT WHEN ASTERISK IS LEFT OFF
C1505	16.0	-P18944-WAITF03	-CNTRLPROG-MFT/PCP-SCHED-SYTABEND ERROR WHEN IMPROP.SEQ.OF JCL INPUT FOR SYSTEM
C1505	16.0	-P19032-WAITF03	-CNTRLPROG-MFT/PCP-SCHED-WHEN OVERRIDING STANDARD PROC.WITH CONCAT.DS
C1505	16.0	15550-P15550-WAITF03	-CNTRLPROG-MFT/PCP-SCHED-ZERO MSG LENGTH PASSED TO IEFYSMB,IEFYSVMS, & IEFSD010
C1505	15.0	-P13492-WAITF03	-CNTRLPROG-MFT/PCP-SUPVSR-IEAATM04-SYSPRINT AND SYTABEND ON SYSOUT TAPE
C1505	15.0	17159-P17159-WAITF03	-CNTRLPROG-MFT/PCP-SUPVSR-TIMER-2ND INTVL EXPIRES DURING PROCESSING OF 1ST
C1505	15.0	-P17694-WAITF03	-CNTRLPROG-SCHED-IF AN ATTEMPT IS MADE TO USE ISAM AND ISAM NOT SYSGENED, ABEND
C1505	15.0	-P18223-WAITF03	-CNTRLPROG-SCHED-IF DD ASTERISK CARD OVERRIDES DD IN CAT. PROC.
C1505	15.0	-P17700-WAITF03	-CNTRLPROG-SCHED-INTERVENTION REQUIRED ON PRINTER BEING PRINTED ON CONSOLE
C1505	16.0	-P16977-WAITF03	-CNTRLPROG-SCHED-OVERRIDING STATEMENT IN CAT. PROC
C1505	16.0	-P16313-WAITF03	-CNTRLPROG-SCHEDULR-PARM-IF INCORRECT UNIT SPEC.IN Q EQ OF SET COMMAND
C1505	16.0	-P13800-WAIT002	-CNTRLPROG -IPL-CONTROL UNIT IN OFFLINE MODE.
C1505	15.0	-P12480-WAIT005	-CNTRLPROG -MFT/PCP-IEAANIP-IPL-PTR CARRIAGE TAPE 12 PCH CAUSED UNITCHK.
C1514	16.0	-P16378-ABENDB37	-CNTRLPROG-WORK SPACE NOT AVAILABLE DURING SYSGEN
C1514	16.0	-P17132-CNTRLPROG	-MFT/PCP-GENERIC NAME SYSDA DOES NOT INCLUD 2314 DEVICES IN STARTR SYSTEM
C1514	16.0	-P16119-WAIT	-CNTRLPROG-IF ABNORMAL TERMINATION OCCURS ON MACHINE WITHOUT FP REGS,WAIT OCCUR
C1535	15.0	RESTR-P11500-ABEND	-CNTRLPROG-MVT-SUPVSR-IF REGION SIZE ASKED FOR IS GT 32,767K
C1535	16.0	-P14871-ABENDA0A	-CNTRLPROG-MVT-SUPVSR-IF MSS ENTERED FROM ABEND TO FREE WORKAREA IN SP252
C1535	15.0	-P17779-ABENDC13	-CNTRLPROG-MVT-SCHED-ABEND OPENING JOBLIB IF DATASET DOES NOT EXIST
C1535	16.0	-P14613-ABENDOCX	-CNTRLPROG-MVT-SUPVSR-OCCURS WHEN ATTEMPTNG TO POST ECB WHEN TASK IS BEING TERM
C1535	16.0	-P14614-ABENDOCX	-CNTRLPROG-MVT-SVPVSR-IEAQTMO0-FAILS IN FQE VALIDITY CK RTN
C1535	16.0	-P14500-ABENDOCX	-CNTRLPROG-MVT-SVPVSR-IF MSS HAS BEEN ENTERED VIA BRANCH RATHER THAN SVC
C1535	16.0	-P14021-ABENDOC1	-CNTRLPROG-MVT-IEAQGM01-OPEN TIME OF DATASET-INVALID OP IN GETMAIN
C1535	16.0	-P17310-ABENDOC5	-CNTRLPROG-MVT-SCHED-IF STOP RDR COMMAND IS ISSUED BEFORE RDR IS STARTED
C1535	16.0	-P15318-ABENDOC5	-CNTRLPROG-MVT-SUPVSR-IF HIGH ORDER BYTE OF REG 8 IS NOT ZERO IN ABEND.
C1535	15.0	-P12775-ABENDOC6	-CNTRLPROG-MVT-IEAQDE02-REG14 NOT POINT TO RETURNPOINT ADDR AFTER -LINK-
C1535	15.0	17758-P17758-ABEND106	-CNTRLPROG-MVT-SUPVSR-FETCH ISSUES A READ DATA INST WITH CCHHR FOR CURRENT REC.
C1535	15.0	17758-P17646-ABEND106	-CNTRLPROG-MVT-SUPVSR-IO ERROR WHILE FETCHING
C1535	15.0	17758-P17147-ABEND106	-CNTRLPROG-MVT-WITH INCORR.LNGTH IND.IN REG15 WHEN PCI APPEND.GAINS CONTROL
C1535	15.0	-P12837-ABEND106	-DUMP-ABDUMP-IGC0805A-IF SYTABEND -DD- CARD IS PRESENT.
C1535	16.0	-P15756-ABEND202	-CNTRLPROG-MVT-IEAQAB00-MAY LOOP ATTEMPTING ABEND.IOS PASSED 202 CODE.
C1535	16.0	CIRCM-P13600-ABEND213	-CNTRLPROG-IEEVPRES-PROC UNIT NOT CONTAIN DS SYS1. PROCLIB
C1535	15.0	-P13017-ABEND222	-CNTRLPROG-MVT-JOBQUE-INSUFFICIENT SPACE IN JOBQUE.
C1535	16.0	-P15762-ABEND30A	-CNTRLPROG -MVT-IPL-WARMSTART-ERR RCVD GETING TRK ADDRESS OF A -DS-.
C1535	16.0	-P15020-ABEND60A	-CNTRLPROG-MVT-IEAQGM-DOESNT CHECK FOR NEG LENGTH ON GETMAIN,FAIL ON FREEMAIN
C1535	15.0	14849-P14849-ABEND804	-CNTRLPROG-MVT-SCHED-IF IEFSD061 IS PLACED IN LINK PACK AREA & REG SIZE LT 52K
C1535	16.0	-P12396-ABEND804	-GEN-IDRDR-MVT-IF BLKSIZE FOR INOUT AND NO. BUFFERS EXCEED PROG AMT OF CORE.
C1535	15.0	RESTR-P12330-CNTRLPROG	-MVT-GEN-CMD-DISPLAY ACTIVE-INCORRECTLY PRINTS JOBNAME
C1535	16.0	-P14222-CNTRLPROG	-MVT-GEN-CMD-DISPLAY STATUS HAS NO EFFECT
C1535	15.0	-P15336-CNTRLPROG	-MVT-GEN-CMD-STOP INITIATOR-STOP WRONG INIT IF INITIATOR IS WAITING FOR WORK.
C1535	15.0	-P11501-CNTRLPROG	-MVT-GEN-PROLOGUES TO MODULES DOES NOT CONFORM TO STANDARDS
C1535	15.0	-P12359-CNTRLPROG	-MVT-SCHED-A DS DELETED FROM STORAGE VOL MARKED RESERVED-GETS MARKED PUBLIC
C1535	16.0	17504-P14981-CNTRLPROG	-MVT-SCHED-ALLOC-IEFWA000-IF DS NAME EXISTS,NONSPEC REQST IS PUT ON RES/PVT VOL
C1535	16.0	-P14933-CNTRLPROG	-MVT-SCHED-ALLOC-IF MOUNT CMD ISSUED TO NONEXISTANT VOL. SER CANT CANCEL
C1535	15.0	CIRCM-P13480-CNTRLPROG	-MVT-SCHED-ALLOC-2 TASKS SHARE SAME DS ERRONEOUSLY.
C1535	16.0	-P18657-CNTRLPROG	-MVT-SCHED-ERROR TIME PASSED WHEN TIME EQUAL 1440
C1535	15.0	-P11727-CNTRLPROG	-MVT-SCHED-EXTRA 2 K CORE ALLOC TO REGION WHN SMALL REGION SIZE SPECIFIED
C1535	16.0	-P14686-CNTRLPROG	-MVT-SCHED-IEFSD094-SYSOUT JOB SEPARATOR NOT REENTRANT
C1535	15.0	-P18464-CNTRLPROG	-MVT-SCHED-JOB CANT BE CANCELLED IF S RDR,DOE WHERE DOE IS SYSOUT WRITE
C1535	15.0	-P17511-CNTRLPROG	-MVT-SCHED-PROGRAM IEFBRI4 IS NOT INCLUDED IN MVT RELEASE 14
C1535	15.0	-P12945-CNTRLPROG	-MVT-SCHED-REENTRANT MOD RELOADED WHEN-RAN-PARAM USED TO LOAD ALIAS.
C1535	15.0	RESTR-P12340-CNTRLPROG	-MVT-SCHED-SECOND DR SUBSEQUENT LEVELS OF DSNAME NOT CHECKED FOR ALPHA CHAR
C1535	16.0	-P18531-CNTRLPROG	-MVT-SCHED-SYS TRIES TO WRITE OUT SYSOUT CLASS X THRU STEP WAS NOT EXECUTED
C1535	16.0	-P18570-CNTRLPROG	-MVT-SCHED-TIME MACRO IS NOT ISSUED FOR EACH JOB PROCESSED
C1535	16.0	RESTR-P14107-CNTRLPROG	-MVT-SCHED-TIME-BAD VALUE PASSED TO USER ACCT RTN IF -PARM-IN EXEC STMT GT930
C1535	15.0	-P17731-CNTRLPROG	-MVT-SCHED-WRITELOG COMMAND TO MSG CLASS OTHER THAN SYSOUT ON TAPE FAILS
C1535	16.0	-P18566-CNTRLPROG	-MVT-SUPVSR-BASE REGISTER MISSING IN ASSEMBLER STATMNT IN MODULE IEAQTMO0

		REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST	0652	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.		
CI535	15.0	-P12235-CNTRLPROG	-MVT-SUPVSR-GETMAIN/FREEMAIN-IEAQGM00-MISMANAGES ALLOCATED Q ELEMENT.	
CI535	15.0	-P11726-CNTRLPROG	-MVT-SUPVSR-IEFS0061 COULDNT BE LOADED INTO LPA BECAUSE IT IS NON-REUSABLE	
CI535	15.0	-P15580-CNTRLPROG	-MVT-SUPVSR-IF TCB TABLE FULL-DOESNT TRY MORE TCB.	
CI535	16.0	-P17214-CNTRLPROG	-MVT-SUPVSR-INCORR.VALUE PLACED IN QUEUE FLD.OF MSG.IEE102I	
CI535	16.0	15342-P15342-CNTRLPROG	-MVT-SUPVSR-IRB SAVEAREA NOT BEING FREED WHEN ATTACH MACRO ISSUED WITH EXIT RTN	
CI535	16.0	-P15016-CNTRLPROG	-MVT-SUPVSR-RESTORES RETURN CODEREG 15 PRIOR GO TO ABEND ON 806 BLDL ERROR	
CI535	16.0	-P15897-CNTRLPROG	-MVT-SUPVSR-TIME-JOB STEP-USE OF TIME EQ 1440 SUPPRESSES STEP TIME FOR ALL STEP	
CI535	16.0	15342-P14381-CNTRLPROG	-MVT-SUPVSR-TIME-JOBSTEP-WRONG DUE ERROR IN JOBSTEP TIMING RTN	
CI535	16.0	-P14500-CNTRLPROG	-MVT-SVPVSR-IEAQAB00-ABEND/WAIT MAY OCCUR IF MSS ENTRD BY BRNCH RATHER THAN SVC	
CI535	15.0	-P13573-DUMP	-ABDUMP-MVT-DCB PRINT WRONG-16BYTE PREFIX-TIOT POINTER ZERO-FALSE-TIOT-PRINTS	
CI535	15.0	CIRCM-P15019-DUMP	-ABDUMP-MVT-IEAQAD05-PROGCK-HENSE F03 WHILE SEARCHING -RB- CHAIN.XREF WAITF03.	
CI535	15.0	-P12072-DUMP	-ABDUMP-MVT-PRINTS ENDLESS XTENT LIST.	
CI535	16.0	CIRCM-P13725-IOTAPE	-GEN-RWU-UNLOAD FAILS IF -DISP EQ NEW,PASS- & -VOL EQ SER EQ XXXX- SPECIFD	
CI535	15.0	-P12694-LOOP	-CNTRLPROG-MVT-NUCLEUS-DETACHING INCMPLTE TASK ATTACHED BY-EXTR-PARAMETER.	
CI535	15.0	-P11822-LOOP	-CNTRLPROG-MVT-NUCLEUS-IBM SUPPLIED SVC ISSUED & NOT PRESENT IN SYSTEM	
CI535	16.0	-P14611-LOOP	-CNTRLPROG-MVT-SUPVSR-IEAQTMOO-IF FQE IS ERRONEOUSLY CHANGED TO ZEROS	
CI535	16.0	-P15317-LOOP	-CNTRLPROG-MVT-SUPVSR-RING BELL WAIT ROUTINE.	
CI535	16.0	-P14502-LOOP	-CNTRLPROG-MVT-SVPVSR-IF PGMCK IN IOS AND PROLOG INTFC BETWEEN ABTERM AND FLIH	
CI535	16.0	-P14003-MSGIEF646I	-CNTRLPROG-MVT-CATALOG-OVERRIDING SPACE PARM IN CATAL PROCED.	
CI535	15.0	RESTR-P11725-WAIT	-CNTRLPROG -IPL-COLD-UNIT SPEC AS-Q EQUAL-DOESNT CONTAIN JOBQUE.	
CI535	15.0	-P17738-WAIT	-CNTRLPROG-MVT-A SYSTEM TASK IS WAITING FOR A DISK TO READY	
CI535	16.0	-P15816-WAIT	-CNTRLPROG-MVT-ABENDMODULE-BAD INSTRUCTIONS AT 2AA AND 0354.	
CI535	16.0	-P17690-WAIT	-CNTRLPROG-MVT-SCHED-IF VOL.COUNT IS 0 FOR ITS INPUT DATA SET	
CI535	15.0	17758-P17758-WAIT	-CNTRLPROG-MVT-SUPRVS-FETCH ISSUES A READ DATA INST WITH CCHHR FOR CURRENT REC.	
CI535	15.0	-P18139-WAITF03	-CNTRLPROG-SCHED-IF TWO JOB STATEMENTS ARE IN THE SAME JOBSTREAM A WAIT OCCURS	
CI535	15.0	-P16008-WAITF03	-CNTRLPROG -CMD-P WTR-WTR UNABLE TO ALLOCATE.	
CI535	16.0	-P15499-WAITF03	-CNTRLPROG -MVT-CMD-MOUNT-VOL LABELS SPECIFIED.PARENS MISSING FROM COMMAND.	
CI535	15.0	-P17531-WAITF03	-CNTRLPROG-IF UNIT EQUAL 2311 IS USED AND 2311 NOT A SYSGENED UNIT,WAIT OCCURS	
CI535	16.0	15935-P15935-WAITF03	-CNTRLPROG-MVT-IEECVED2-ATTEMPTING POST SVC72-WAITING FOR CNCLD RQE/WQE.	
CI535	16.0	CIRCM-P15959-WAITF03	-CNTRLPRDG-MVT-IEEVAACLT-WHEN PROCEDURE STARTED VIA CONSOLE.	
CI535	16.0	RESTR-P16326-WAITF03	-CNTRLPROG-MVT-IEEVACTL-2321-MOUNT COMMAND ISSUED.	
CI535	15.0	11963-P11963-WAITF03	-CNTRLPROG-MVT-IEE1203D-WTOR-IF OPERTR REPLY,ABENDS BEFORE-WAIT-WTOR OCCURS	
CI535	16.0	15764-P15764-WAITF03	-CNTRLPROG-MVT-MSG LENGTHS OF ZERO PASSED TO IEFYS,IEFSD010.	
CI535	15.0	-P17779-WAITF03	-CNTRLPROG-MVT-SCHED-ABEND OPENING JOBLIB IF DATASET DOES NOT EXIST	
CI535	16.0	RESTR-P15294-WAITF03	-CNTRLPROG-MVT-SCHED-CMD-SET CLOCK-IF TIMER INTRP OCCURS DURING SET OPERATION	
CI535	15.0	14849-P14849-WAITF03	-CNTRLPROG-MVT-SCHED-IF IEFSD061 IS PLACED IN LINK PACK AREA & REG SIZE LT 52K	
CI535	16.0	-P17310-WAITF03	-CNTRLPROG-MVT-SCHED-IF STOP RDR COMMAND IS ISSUED BEFORE RDR IS STARTED	
CI535	15.0	-P17133-WAITF03	-CNTRLPROG-MVT-SCHED-IF SYSTEM TASK REQUESTS MORE THAN ONE TK OF QUEUE SPACE	
CI535	16.0	-P11493-WAITF03	-CNTRLPROG-MVT-SCHED-INVAL PARAM IN -DD- SYSOUT EQUAL STATEMENT.	
CI535	16.0	-P14868-WAITF03	-CNTRLPROG-MVT-SCHED-WHEN TASK IS CANCELLED WITH 2260 READ OUTSTANDING	
CI535	16.0	-P14871-WAITF03	-CNTRLPROG-MVT-SUPVSOR-IF MSS ENTERED FROM ABEND TO FREE WORKAREA IN SP252	
CI535	15.0	17758-P17646-WAITF03	-CNTRLPROG-MVT-SUPVSOR-ID ERROR WHILE FETCHING	
CI535	16.0	-P14870-WAITF03	-CNTRLPROG-MVT-SUPVSR-AFTER PGMCK IN POST BECAUSE QCB ECB HAD INVALID RB ADDR	
CI535	15.0	-P14990-WAITF03	-CNTRLPROG-MVT-SUPVSR-BAD NN VALUE IN MASTER QCR WITH TYPRUN EQ HOLD	
CI535	16.0	-P14614-WAITF03	-CNTRLPROG-MVT-SVPVSR-IEAQTMOO-DUE TO FAILURE OF FQE VALIDITY CK RTN	
CI535	15.0	-P18492-WAITF03	-CNTRLPROG-SCHED-INVALID JOB NAME CAUSES WAIT	
CI535	15.0	-P18422-WAITF03	-CNTRLPROG-SCHED-INVALID OPERATOR COMMAND DUE TO INVALID DEVICE ADDRESS	
CI535	15.0	-P18471-WAITF03	-CNTRLPROG-SCHED-OPERATOR TYPES COMMAND P SYSINT ENTERS WAIT	
CI535	15.0	CIRCM-P15019-WAITF03	-DUMP-ABDUMP-WHILE DUMPING A 106 ABEND.	
CI535	16.0	CIRCM-P15835-WAITF03	-SYSCONTROL-MVT-CMD-DISPLAY ACTIVE-ISSUED MORE THAN ONCE IN SUCCESSION.	
CO503	16.0	-P15624-ABENDOCX	-CBL-E-CMPL-IEPDS200-IF 2ND CHAR OF LEVEL NO NOT NUMERIC.	
CO503	16.0	-P17011-ABENDOCX	-CBL-E-CMPL-IEPPS100-IF ILLEGAL COMPOUND ERRORS IN IF STMT	
CO503	16.0	-P14659-ABENDOC1	-CBL-E-EXEC-IEPPG500-SYNAD RTNE IN DRG BEING USED.	
CO503	15.0	RESTR-P11461-CBL-E-CMPL	-CODE-CC OF LESS THAN 8 RETURNS WHN C LVL DIAGNOSTICS GENERATED.	
CO503	16.0	-P15091-CBL-E-CMPL	-DECK-IEPASPOO IGNORES DD NAME CHANGE FOR SYSPUNCH WHEN INVOKED BY ASSEMBLER	
CO503	16.0	14633-P14633-CBL-E-EXEC	-CODE-CALL-PASSES ONLY 1 PARAM TO CALLED RTNE INSTD OF 2 -IF FILENAME-IS PARM.	
CO503	16.0	-P15620-CBL-E-EXEC	-CODE-CMPARE-IF FIELD GT 256 BYTES,ONLY 1-ST BYTES CMPRE TO FIG CONSTANT.	

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
CQ503	16.0	-P17013-CBL-E-EXEC	-CODE-DISPLAY-UPON CONSOLE-IF GT 20 OPERANDS-1ST 20 GOTO SYSLIST-REST TO CONSOL
CQ503	16.0	-P15625-CBL-E-EXEC	-CODE-GO TO-STMT. IF PARGPH NAME QUAL BY SECT NAME AND PARGPH NAME NOTDEFINED.
CQ503	16.0	-P15621-CBL-E-EXEC	-CODE-IF STMT-IF 1-ST OPERAND IS FIG CONST,COMPARES TO SELF INSTD 2ND OPERAND
CQ503	16.0	CIRCM-P14235-CBL-E-EXEC	-CODE-LINKAGE-LITERAL GEN FOR 88 LVL ENTRY IS IN WRONG FORMAT.
CQ503	16.0	RESTR-P13076-CBL-E-EXEC	-CODE-NOTESTMT-INCLUDE USED WITH NOTE STMT-CODING IGNORED ON LINES FOLWING.
CQ503	16.0	-P15622-CBL-E-EXEC	-CODE-PICTURE-STERLING-. IF 22PAREN5PAREN, COMPILES AS 2PAREN5PAREN.
CQ503	16.0	-P17012-CBL-E-EXEC	-CODE-PICTURE-STERLING-INCORRECT FIELDS LENGTHS WHEN OCCURS USED WITH STER.PICT
CQ503	16.0	-P15626-CBL-E-EXEC	-CODE-REDEFINES-IF DATANAME 2 CONTAINS OCCURS CLAUSE,NOT FLAGGED AS BAD STMT.
CQ503	16.0	-P15623-CBL-E-EXEC	-CODE-TEST ZERO-IF MANTISSA IS NEG IT IS TREATED AS ZERO.
CQ503	16.0	-P14651-LOOP	-CBL-E-EXEC-IHDO3101-QISAM-FILE OPENED TWICE IN 1 PROG STEP.
CQ503	16.0	-P14530-MSG	-CBL-E-CMPL-FLAG-C LVL DIAGNOSTIC-IF REMARKS SECTION HAS MISSING APOSTROPHE
CQ503	16.0	-P15626-MSGIEP0511	-CBL-E-CMPL-FLAG-NOT ISSUED ON REDEFINE DATANAME 2 CONTAINING OCCURS CLAUSE.
CQ503	16.0	CIRCM-P15352-MSGIEP6261	-CBL-E-EXEC-CLOSE WITH REEL STATEMENT.
CQ503	16.0	CIRCM-P14862-TB-BTAM	-CODE-TTRANSFORM-STMT GIVES INCORRECT RESULTS VARIABLE MOVE OR COMPARE IN PROGRM
CQ513	15.0	-P18309-ABEND	-TP-BTAM-OGE0204A GENERATES AN ADDRESSING EXCEPTION,USING REG NOT LO DED
CQ513	16.0	-P18941-ABENDOCX	-TP-BTAM-TRANSLATING MSGS.WITH LENGTHS GREATER THAN 256 BYTES
CQ513	15.0	15949-P15949-ABENDOF2	-TP-BTAM-OPEN-MULTIPLE DCBS,DEB POINTER INITLZD INCRCITLY IN 2ND LOAD OF -OPEN-.
CQ513	16.0	-P17532-ABEND806	-TP-BTAM-IGG0190K-BTAM ERROR MODULES ARE INCORRECTLY MOVED INTO LINKLIB
CQ513	16.0	-P18790-ABEND806	-TP-BTAM-IN ERP ON COMMAND REJECT
CQ513	16.0	-P17193-IO	-IOTP-TP-BTAM-INCORRECT CHANNEL PROGRAM STARTING MSG IN WRONG PLACE
CQ513	15.0	-P14113-IOTP-BTAM	-ERP-RETRIES BEING ALLOWED ON ALL DEVICES DUE TO INCRCT-SLDA-INSTRUCTION
CQ513	16.0	-P15343-IOTP-BTAM	-GEN-IOERR-CMDREJ/DATACHK-DIAGNOSTIC RD/WRT USING 2701 AND TYPE3 PROG.
CQ513	16.0	-P18594-IOTP-BTAM	-GEN-OPEN LOADS INCORR.DEVICE I/O MODULE FOR 83B3 LINE
CQ513	16.0	-P17320-IOTP-BTAM	-TP-BTAM-ONLIVE TERMINAL TEST IS NOT RECOGNIZING A REQUEST FOR TESTUSE AUTOPOLL
CQ513	15.0	15135-P15135-LOOP	-TP-BTAM-AFTER MSG IEA0001 USING BTAM ERP
CQ513	16.0	-P18550-LOOP	-TP-BTAM-ERP-UNABLE TO HANDLE TIME OUT CONDITION ON READ SKIP
CQ513	16.0	-P15779-MSG	-ASM-F-ASSY-FLAG-MNOTE-LERB MACRO-IF GT 31 LINES SPECIFIED.
CQ513	16.0	-P15343-MSG	-TP-BTAM-DIAGNOSTIC RD/WRT MSG CAUSES DATACHK ON 2701 USING TYPE3 PROG.
CQ513	15.0	-P13042-MSGIEU073	-ASM-F-ASSY-FLAG-LOPEN MACRO CANT BE NAMED.ALSO CAUSE END STMT FLAGGING.
CQ513	16.0	13712-P13712-TP-BTAM	-BFRS NOT POSTED,WAIT NOT COMPLETING. DYNAM BFRS, PCI LOSS, INVOLVED
CQ513	15.0	14186-P14186-TP-BTAM	-CODE-BRANCH INCRCT-IF BITS IN IOB BYTE TESTED ARE PRESENT. EXAMPLE..BUSY BIT.
CQ513	16.0	-P17220-TP-BTAM	-CODE-INCORRECT CHANNEL PROG GENED FOR WRITE INITIAL OP.
CQ513	15.0	-P14167-TP-BTAM	-CODE-LOPEN-RETURN CODE OF 16 NOT IN SRL.
CQ513	16.0	-P13978-TP-BTAM	-LINE-TERMINALS REMAIN ACTIVE BECAUSE OF AN -OUT OF BUFFER- CONDITION
CQ513	16.0	-P15792-TP-QTAM	-CODE-WAIT EQUAL MULTIPLE-CLARIFICATION OF ITS USAGE IN SRL.
CQ513	16.0	-P18667-WAIT	-IOTP-BTAM-APPLICATION OF PTF 13712-14 WILL CAUSE A WAIT IN IGG0203M
CQ513	16.0	-P18413-WAIT	-TP-BTAM-WHEN DEVICE BUSY AND POST FLAGS ON
CQ513	15.0	-P12847-WAITF03	-TP-BTAM-ERP RTNE-IGEO204A-WAIT BIT ON IN PC PSW.REG NOTATION WRONG.
CQ519	16.0	18252-P17939-ABEND	-IOTP-QTAM-THE MSG CONTROL PROGRAM ABENDS AFTER RESTART
CQ519	16.0	17538-P17538-ABEND0A3	-IOTP-QTAM-PROCESS QUEUE CLOSE WHEN EODAD IS TAKEN READING FROM DISK FOR A GET
CQ519	16.0	18059-P18514-ABENDOCX	-IOTP-QTAM-IF A QWAIT FOR INSERT BLOCK IS NOT SATISFIED,BUFFER MAY BE BAD
CQ519	16.0	15480-P15645-ABENDOCX	-TP-QTAM-IGG019NG-AFTER CHECK REQUEST TAKEN.
CQ519	16.0	14982-P14391-ABENDOCX	-TP-QTAM-IGG019NG-IN DISK END APPENDAGE-CAUSE BY BLANKS READ FROM DISK INT BUF
CQ519	15.0	12202-P12867-ABENDOCX	-TP-QTAM-IGG019NG/IECKQQ01-CONTROL MODE TIMEOUTS.
CQ519	16.0	18059-P17814-ABENDOC6	-IOTP-QTAM-IGG019NG-MULTIPLE OPENS CAUSE LINES TO BE STARTED TOO SOON
CQ519	16.0	16990-P16990-ABENDOC6	-TP-QTAM-IECKBRKS-ADDR OF MOD IGG019NG IN TERMINAL TABLE WAS INCREMENTED
CQ519	16.0	13922-P15833-ABENDOC6	-TP-QTAM-IGG019NG-WHEN REROUTING MSG FROM PROCESSING PROGRAM.
CQ519	16.0	-P17023-ABENDOC6	-TP-QTAM-MACR-CANCEL-M-INFO ACCESSED FROM HEADER RECALLED BY ERROR HANDLNG MACRO
CQ519	16.0	-P15714-ABENDOF2	-TP-QTAM-IGG0193T-WHEN LINE GROUP DELETED BY LEAVING OUT DD CARD ON RESTART.
CQ519	16.0	14982-P14778-ABEND800	-TP-QTAM-CCW START ADDR IN -IOB- INCORRECTLY MODIFIED.
CQ519	16.0	-P14468-ABEND806	-TP-QTAM-ERRTAB FIELD OF UCB CONTAINED X-00-INSTEAD OF X-29-CANT FIND ERP
CQ519	16.0	18059-P18059-IO	-IOTP-TP-QTAM-BINARY SEQ NO IS NOT INCLUDED IF THE MPP IS NOT UP AND RUNNING
CQ519	16.0	18059-P17461-IO	-IOTP-TP-QTAM-TERMINALS LOST AT MIDNIGHT DUE TO THE PULL DELAYS
CQ519	16.0	-P16121-IOPTR	-TP-QTAM-OVERPRINT-SECONDS FIELD TIME STAMP OVERLAID WITH SEQ OUT NUMBERS
CQ519	16.0	-P13923-IOTP-QTAM	-GEN-CODE-CLOSE.& CHKPNT FAIL IF ERR IN MSDLINK FOR PRIORITY MSG. IGG019NG.
CQ519	16.0	-P15123-IOTP-QTAM	-GEN-EOD-EODAD-EXIT TAKEN ON 1ST GET IF MSG BEING READ INTO MAIN STORAGE.
CQ519	16.0	-P15160-IOTP-QTAM	-GEN-FREEMAIN-CORE FOR GET/ PUT MODULES NOT BEING FREED

		REL-15.0-THRU-16.0 DS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST	0652	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.		
CQ519	15.0	12202-P12202-IOTP-QTAM	-GEN-IDERR-DATACHK-RETRY COUNTERS CLEARED-NEVER REACHED MAX OF 3	
CQ519	16.0	16980-P16980-IOTP-QTAM	-GEN-IDERR-PERM IO ERROR NOT RECOGNIZED ON INVENTION REQ ERROR	
CQ519	16.0	-P16121-IOTP-QTAM	-GEN-RECBAD-SECONDS FLD TIME STAMP OVERLAID BY SEQ OUT NUMBERS.	
CQ519	15.0	-P12935-IOTP-QTAM	-GEN-2740-TIMESOUT ON READRESPONSE TO-EOB-.TERMINAL TURNOFF.ERP CANT WORK.	
CQ519	15.0	-P18064-IOTP-QTAM	-TP-QTAM-MSG QUEUE DCB DEFINED IN MPP IS ERRONEOUSLY REINITIALIZED	
CQ519	15.0	-P13150-IOTP-QTAM	-2701-MULTITERMNLN ON POLL-TIMESOUT FOR 3 SECS AFT EACH POLL EXCEPT FIRST.	
CQ519	16.0	15479-P15479-LOOP	-TP-QTAM-IECKLNCH-IF FUNCTION REQUIRING USE OF QMOVER FOLLOW STARTLN/STOPLN	
CQ519	16.0	-P18911-LOOP	-TP-QTAM-IECKOCL-INTREL FUNCTION NOT WORKING PROPERLY FOR 2740 W/CHECKING	
CQ519	16.0	15619-P15619-LOOP	-TP-QTAM-IECKRETS-TEST FOR DUP HEADER MISPLACED-WRONG DISK ADDR ACCESSED.	
CQ519	15.0	-P12937-LOOP	-TP-QTAM-IGG019NG-DUMMY-TIME QCB REPEATEDLY DISPATCHED- LINK FLD POINTS TO SELF	
CQ519	15.0	12202-P15228-LOOP	-TP-QTAM-NUCLEUS-LINKFIELD OF BUFFER POINTS TO ITSELF.	
CQ519	16.0	14989-P14989-LOOP	-TP-QTAM-IGG019NG-ERR ON LINE OF TERMINAL WITH AUTOPOLL. POLL POINTER CHANGED	
CQ519	15.0	-P15044-TB-QTAM	-CODE-STARTLN-ALL FUNCTION DOESNT START ALL LINES	
CQ519	15.0	-P17351-TP-QTAM	-CODE-CHANNEL PROG FOR 2740 WITH STATION CNTRL & AUTOPOLL DOESNT WRITE EDA CHAR	
CQ519	16.0	-P16433-TP-QTAM	-CODE-CLOSE-PROCEDURE IN PROCESSING PGM DOENT RETURN TO END READY	
CQ519	15.0	12202-P14228-TP-QTAM	-CODE-IMODULE-2740-OFFSETS TO SPEC CHAR IN DEVICE I/O MODULE WITH-CHECK-ERR.	
CQ519	16.0	18059-P13727-TP-QTAM	-CODE-TERMTBL-POINTER SET BY NEW TEST OF CCW TO CHK FOR SWITCH/NONSWITCH LINE	
CQ519	16.0	-P12936-TP-QTAM	-ERP-THRESHOLD ERR STATISTICS RECORD INCRCCTLY.UPDATED WRONG FOR ERP RETRIES.	
CQ519	16.0	16498-P16498-TP-QTAM	-GEN-SEQUENCE OF INTERCEPT CHECKPOINT RESTART AND RELEASE DOESNT FUNCTION RIGHT	
CQ519	15.0	CIRCM-P11837-TP-QTAM	-MSG-SWITCHNETWK-ENABLED ONLY-IS A 1 LINE ENVIRONMENT.MSGS CANT BE SENT.	
CQ519	16.0	16930-P16930-TP-QTAM	-MSGMISS-MORE THAN 1 MSG SENT VIA A DISTRIBUTION LIST HAVE SAME SEQ OUT NUMBER	
CQ519	16.0	18252-P16978-TP-QTAM	-MSGMISS-MSG BEING PROCESSED AT OF FAILURE ARE LOST ON RESTART	
CQ519	15.0	12202-P12203-TP-QTAM	-MSGMISS-MSG WHICH TIMED OUT BEFORE EOB ARE ERRONEOUSLY CLEARED	
CQ519	16.0	15480-P15480-TP-QTAM	-MSGMISS-RSTRT-INTERCEPTED MSGS LOST AFTER A RESTART.	
CQ519	16.0	13922-P13922-TP-QTAM	-POLLING-POLL INTRVL SPANS ACROSS MIDNIGHT, ELEMNT NOT POST TO -RDY Q- PROPERLY	
CQ519	15.0	-P13671-TP-QTAM	-POLLING-ZERO LGTH MSG NOT DISTINGUISHED IN LINEEND APPENDAGE	
CQ519	16.0	14982-P14982-WAIT	-TP-QTAM-IGG019NG-MSG PROCESS & CNTRL PROG USES ALL CORE FOR BUFFERS	
CQ519	16.0	16990-P16482-WAIT	-TP-QTAM-IGG019NG-WHEN STOPLN ISSUED AFTER PGM CK ON TIC CCW	
CQ519	16.0	16646-P16646-WAIT	-TP-QTAM-IGG019NG-IN CLOSING QTAM PGM AND 2740 APPEARS TO BE BUSY	
CQ519	16.0	-P16497-WAITF01	-TP-QTAM-IGG019NG-CHAN PGM CK ON TIC CCW WHEN LAST PCI WAS FOR INSERT BLOCK	
CQ519	16.0	-P15498-WAITF03	-TP-QTAM-IGE02048-BAD BRANCH CAUSES LINKAGE TO WRONG MODULE.	
DM508	15.0	-P10929-ABENDF13	-GEN-IO-WHEN ABEND TRIES TO OPEN ABDUMP DS	
DM508	15.0	CIRCM-P12771-ABENDOCX	-GEN-IO-QSAM-CAUSES PROGCKS IF LAST DIRECTORY BLOCK USED	
DM508	16.0	15708-P15708-ABENDOC5	-CNTRLPROG-ISAM-ALLOCATE-DUE TO OC5 ABEND IN IGG03211	
DM508	16.0	14456-P14456-ABENDOC5	-GEN-IO-IGG019AA,B,C-WHEN DOING GET USING QSAM ON BDAM DATASET.	
DM508	16.0	18147-P10900-ABENDOC5	-GEN-IO-IGG02018-CLOSE-SIMULATES-FREEDBUF-WITH BAD REG.	
DM508	16.0	-P12987-ABENDOC5	-GEN-IO-DASD-BDAM-DURING CREATE OF MULTIVOL FILE BDAM DATASET.	
DM508	16.0	CIRCM-P14617-ABENDOC5	-GEN-IO-DASD-FEOV-WHEN FEOV AND WRITING ON 2ND VOL,SECONDARY ALLOC EXCEEDED.	
DM508	15.0	-P15528-ABENDOC5	-GEN-IO-DASD-IGC0003A-2321-WHEN SCRATCHING MEMBER OF -PDS-.	
DM508	16.0	-P15671-ABENDOC5	-GEN-IO-DASD-2321-WHEN GOING FROM VOL 2 TO VOL 3	
DM508	16.0	13559-P14112-ABENDOC5	-GEN-UTIL-IEHMOVE-WHEN COPYING CATALOG IF IT CONTAINS GDG INDEX	
DM508	15.0	-P13193-ABENDOC7	-GEN-IO-IGG019CU-LOCATE SVC,SVC 26-ABENDS WHEN SYNTAX ERROR.	
DM508	15.0	16946-P12356-ABENDOF1	-GEN-IO-DASD-IGG019CU-USING PCI WHILE-READ-FLAGGD TRK.REG5 ERRS ON -IC- INSTRCTN	
DM508	15.0	12356-P12295-ABENDOF2	-GEN-IO-DASD-IGG019CU-POINT MACRO GVN WITH INVALID TTR.SHOULD GVE ABEND001	
DM508	16.0	12356-P15065-ABENDOF2	-GEN-IO-DASD-IGG019CV-READ/WRITE ON TRK THAT HAS BEEN ASSIGNED AS ALTERNATE TRK	
DM508	16.0	14224-P13038-ABENDOF2	-GEN-IO-DASD-ISAM-IGG019OV-ISAM DATA LAST -OD- OF STEP.	
DM508	16.0	-P15917-ABENDOF2	-GEN-IO-DASD-ISAM-OPENING DS WITH INDEX ON 2311 AND PRIME ON 2321	
DM508	15.0	18147-P08830-ABEND001	-CNTRLPROG-MFT/PCP-DATAMGMT-IF CLOSE ISSUED FROM SYNAD RTN	
DM508	16.0	-P13933-ABEND001	-GEN-IO-DASD-2321-QSAM-WITH 2 OR BUFS WHEN CROSSING CYL BNDRY	
DM508	16.0	18147-P14140-ABEND001	-GEN-IO-QSAM-AT EOD CONDITION. SEVRL DS USING SAME -DCB-SERIALLY.PCI INVOLVED	
DM508	15.0	-P11088-ABEND200	-GEN-IO-DASD-QSAM-IGC0005E-ERROPT EQ ACC SPECIFIED.	
DM508	16.0	-P15801-ABEND215	-GEN-IO-TAPE-OPEN-FOR OUTPUT WITH DISP EQ MOD ON MULTIVOL DS.	
DM508	16.0	-P17325-ABEND237	-CNTRLPROG-DATAMGMT-USING SL TAPE WHEN USING CHAINED SCHED.AND BUFNO EQ.1	
DM508	16.0	15055-P15055-ABEND400	-GEN-IO-IGG019OV-OPEN-NON CONCAT DS WITH MORE THAN 5 VOLS	
DM508	16.0	-P16355-ABEND400	-GEN-IO-WHEN OPENNING 2321 DATA SET.	
DM508	16.0	14224-P14224-ABEND400	-GEN-IO-DASD-ISAM-IGG019OV-OPEN-CREATE-INDEX ON 2311,2314,PRIME ON 2321.	
DM508	16.0	-P13547-ABEND400	-LKED-IGC018-INPUT MODULES IN A -PDS-AND ONE MEMBER IS MISSING.	

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST

0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
DM508	16.0	15571-P13516-ABEND413	-GEN-IO-IGG0190T-IF TAPE BEING READ AT WRONG DENSITY AND 1-ST REC NOT 80 CHAR
DM508	16.0	14224-P12746-ABEND413	-GEN-IODASD-ISAM-OPEN-5 OR MORE DATASETSFILE, ABEND413 OPENING 5-TH DS.
DM508	16.0	-P15392-ABEND513	-CNTRLPROG-MFT/PCP-GEN-CMD-IF CANCEL,SHIFT,AND START RDR CMDS ENTERED CONSECUTIVE
DM508	16.0	14252-P14252-ABEND513	-CNTRLPROG-MFT/PCP-SVPSR-IF SYSOUT ON TAPE AND ERROR OCCURS LEAVING TAPE OPEN
DM508	15.0	17066-P14680-ABEND613	-GEN-IOTAPE-ACCEPT N/L TAPE FOR S/L IF N/L TAPE IS LEFT MOUNTED
DM508	16.0	-P11233-ABEND613	-IOTAPE-WHEN OPENING FOR READ BACK & CLOSING WITH LEAVE OPTION
DM508	15.0	-P12873-ABEND800	-GEN-IO- IGG0191B-OPEN-DCB WITH-DEVD EQ PR-FOR INPUT
DM508	16.0	18147-P11387-ABEND800	-GEN-IOPTR-IGG0201A-CLOSE-MODULE WAITS ON WRONG-IOB-CLOSING PRINTER.
DM508	15.0	-P13073-ABEND806	-GEN-IOTAPE-DATASET GT 5 VOLTS. EOV PROBLEM AT 5-TH VOL.
DM508	16.0	15571-P13661-ABEND806	-GEN-IOTAPE-IF STD-LABL.MOUNTED ON OTHER THAN 1ST VOL OF MULTI-VOL NON-STD DS
DM508	16.0	15571-P12653-ABEND813	-GEN-IOTAPE-IGG0190P-HIGH EXPIR DATE REJCTD BY-OPEN-FOLWD BY OTHER CONDITIONS
DM508	16.0	-P10599-ABEND90A	-GEN-IO-WHEN CATALOG EXTEND IS ATTEMPTED & NO SEC ALLOC INDICATED IN DSCB
DM508	16.0	-P14359-ABEND913	-GEN-ALLOC-NON-SPECIFIC REQ FOR SPACE WILL NOT ALLOC UNLESS FOUND ON 1ST PACK
DM508	16.0	-P11359-CNTRLPROG	-MFT/PCP-DATAMGMT-CATALOG REQ.FOR GDG DS CHANGED TO RECAT.IF GDG ALREADY EXISTS
DM508	16.0	16946-P17438-CNTRLPROG	-MFT/PCP-DATAMGMT-CHAND SCHED 4 OUTPUT WITH EOR COND CAUSES DCB BLK CT ERROR
DM508	16.0	18147-P17305-CNTRLPROG	-MFT/PCP-DATAMGMT-IF RLSE USED WITH SPACE SPEC.OF RCDS,FORM1 DSCB OVRLAPS FORM5
DM508	16.0	17066-P17066-CNTRLPROG	-MFT/PCP-DATAMGMT-IF 1ST STP JOB CREATES DS OVER MORETHAN 1VOL,1ST VOL.SER.LOST
DM508	16.0	-P13749-CNTRLPROG	-MFT/PCP-DATAMGMT-WRITING ON PASSWORD DATA SETS, HORL1 & HORL2 LABLS ARE DESTROY
DM508	16.0	-P18448-CNTRLPROG	-MFT/PCP-DATAMGMT-IGG0190S-CONTAIN OC INSTR ON JFCBMSK +4 WHICH DOESNT CLEAR FL
DM508	16.0	-P15138-IO	-ASSY-SYNADAF-IF WRONG PARM SPECIFIED, BAD CODE NOT FLAGGED.
DM508	16.0	-P13950-IO	-GEN-BSAM-VOLSWITCHING ERRS-UPDATE-2 OR MORE VOLTS USED.
DM508	16.0	13989-P13989-IO	-GEN-DCB-IGG0190S-MIXES PCI AND SIO APPRNDAGE ADDR IN DCB
DM508	16.0	BYPAS-P10164-IO	-GEN-IOERR-WLR-IF BLK SIZE IS INTEGRAL MULTIPLE LRECL
DM508	16.0	-P14011-IO	-GEN-QSAM-NO OUTPUT WHEN FE0V ISSUED BEFORE 1-ST OUTPUT BFR IS FILLED.
DM508	16.0	-P14239-IO	-GEN-QSAM-WHEN USING PUT WITH SYNABAG MACRO-UNIT NO. IN BUFFER IS MEANINGLESS
DM508	15.0	11908-P11908-IO	-GEN-RECS-IOERRS/RECMISS-DELETE GENERTN INDEX CAN DELETE UNRELATED INDEX.
DM508	16.0	13383-P13383-IO	-GEN-SWITCHING-VOL SWITCH INCRCT IF SINGLE VOL DS CONCAT WITH MULTIVOL DS.
DM508	16.0	-P14738-IO	-GEN-TAB-CHAR X05- DELETED IN MODULE IGG019CP.
DM508	15.0	-P08633-IO	-GEN-UNITCHK-IGNORED IF OCCURS WITH UNIT EXCEPTION
DM508	15.0	-P14809-IOCONSOLE	-GEN-IOERR-ERROR MSG LOOP DUE TO OVERLAYING OF POLLING CHAR USED BY 1054
DM508	16.0	-P13697-IODASD	-GEN-CODE-LOCATE- BY BLK AND TRR IS OUT OF EXTENT SYSCTLG RETURNS NO ERROR CODE
DM508	16.0	13696-P13696-IODASD	-GEN-CODE-LOCATE-FOR GDG IGG0002F BUILDS XCTL TABLE IN USER AREA
DM508	15.0	-P12608-IODASD	-GEN-CODE-OPEN-UPDAT/REREAD-SPECIFIED.INCRCT ACCESS MOD LOADED.IGG019 ,2.
DM508	15.0	13770-P13380-IODASD	-GEN-EOF-ERRONEOUS CHANPROG FOR WRITE EOF MARK IF-CLOSE-AND NOROOMFOUND ON TRK
DM508	16.0	13145-P13145-IODASD	-GEN-IO-OPEN-INPUT-REREAD-ON READ-ONLY PASSWORD PROTECTED DS
DM508	16.0	-P14972-IODASD	-GEN-IOERR-NRF-CLOSE-WRITING EOF-EXCP-IGG0200Y-FAIL RESET REC NR IN SEARCH ARG
DM508	15.0	-P12693-IODASD	-GEN-LABEL-DSCB-FMAT1-WRITTEN WITH WRONG NR XTENT-DATASET WAS PARTIALLY RELEASED
DM508	16.0	18147-P14634-IODASD	-GEN-LABEL-RELEASE FORMAT 3 DSCB INCOMPLETELY PROCESSED. IGG020P2
DM508	16.0	-P14491-IODASD	-GEN-LABEL-VOL SERIAL NO DESTROYED IF DS WITH 0 PRIM TRKS ALLOC & NEVER USED.
DM508	16.0	13559-P13559-IODASD	-GEN-LABELS-DUPE FMT 1 DSCBS CREAT AS RESULT RECOVERABLE I/O ERROR.IGG0325B.
DM508	16.0	-P13395-IODASD	-GEN-OBTAIN-MACRO-IN SEEK MODE GIVES BAD RETURN CODE IF 2 CONSEC FMT2 DSCBS MET
DM508	16.0	CIRCM-P14915-IODASD	-GEN-RECBAD-IGG0191K-CHAINED SCHED WRITING KEYS OF ZERO LENGTH
DM508	16.0	13989-P13709-IODASD	-GEN-RLSE-SUBPARM AND DISP EQ OLD SPEC FOR SAME DS CAUSES A GO TO RLSE
DM508	16.0	-P12748-IODASD	-GEN-SPACEALLOC-DOESNT USE ALL CURRENT XTENT FOR BDAM CREATE ON 2321.
DM508	15.0	18147-P08383-IODASD	-GEN-WRITE-IF IOERR PREVENTS REC FROM BEING WRITTEN-CLOSE UPDATES DSCBLSTAR
DM508	16.0	CIRCM-P13883-IODASD-BDAM	-GEN-CODE-RAM OPTION-SOME MODS NOT REENRANT THAT BRANCH TO EACH OTHER.
DM508	15.0	BYPAS-P09975-IODASD-BSAM	-GEN-IOERR-WLR-WHEN USING BSAM UPDATE WITH NCP GT 1
DM508	16.0	-P14759-IOPAPTAPE	-GEN-RECBAD-IGG019AT-DROPS OR MISPLACES PARTS OF RECORD
DM508	16.0	-P13572-IOPAPTEPE	-GEN-FRIDEN CODE-LOWER CASE CHARS NOT XLATE PROPERLY FOR PAPERTAPE.
DM508	16.0	18147-P15420-IORDR	-GEN-IOERR- SLASH ASTERISK CAUSES IOERR ON 2540, LAST CARD READ AND NO FEED.
DM508	16.0	-P14151-IORDR	-GEN-2520-IGG019CA DOES NOT SUPPORT 2520 RESULTING INCORRECT CMD CODES
DM508	16.0	-P13245-IORDR	-RPG-IOERR- ABEND CALLED BEFORE -DCB- CLOSED.
DM508	16.0	-P16590-IOTAPE	-GEN-CODE-FORWARD WRITE WHEN UNIT IN BACKWARD STAT CAUSES EXTRA LARGE IRG
DM508	16.0	-P14934-IOTAPE	-GEN-CODE-OPEN-CONCAT MORE THN 1 DS ON VOL & REREAD OPT SPEC,ONLY 1ST DS PROCES
DM508	15.0	-P12576-IOTAPE	-GEN-DENSITY-DCB-DENSITY FLD ALTERED BY SEVERAL-OPENS-CLOSES-TO SAME TAPE.
DM508	16.0	15571-P15636-IOTAPE	-GEN-EOV-IGG0550P-WITH NSL,2ND THRU N-TH REEL NT CHKD FOR FILEPROT ON OUTPUT.
DM508	16.0	-P14230-IOTAPE	-GEN-IOERR-UNITCHK-DURING WTM THIS IS A PERMANENT ERROR CONDITION.

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST		0652	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVER-AND-TEXT.	
DM508	16.0	15571-P15571-IOTAPE	-GEN-IOERR-UNRECOVRBLE. WRONG DENSITY TAPE MOUNTED IN RESPONSE TO MOUNT MSG.
DM508	16.0	CIRCM-P11100-IOTAPE	-GEN-JFCB NOT IN CORE WHEN NSLCTRL0 IS ENTERED WHILE CLOSING A NSL TAPE
DM508	16.0	CIRCM-P12116-IOTAPE	-GEN-RUNAWAY-DOING TCLOSE FOR REREAD ON 7TRACK TAPE DRIVE.
DM508	16.0	-P16355-LOOP	-CNTRLPROG-MFT/PCP-SCHED-MOUNT MSG LOOP WHEN OPENING MULTI-VOL DS-DEFERRED MOUNT
DM508	16.0	-P13481-LOOP	-GEN-IOPAPIAPE-BSAM-READ MODE U TYPE RECS, EQUIP CK, AND NO CHARS XMITTED
DM508	16.0	-P14368-LOOP	-GEN-IDQSAM-WHEN EOY OCCURS DOING-FEOV-,LOOP BTWN -EOV & FEOV-MODULES OCCURS.
DM508	15.0	15482-P15482-MSG	-GEN-UTIL-IEHMOVE-SCRATCH DS ON 2321-DUE TO ERROR IN IGC0003&
DM508	16.0	-P15163-MSGIEC001A	-GEN-IO-MOUNT MSG-FOR S/L TAPE IF USING NSL TAPE WRITTEN IN DIFF DENSITY.
DM508	16.0	-P08139-MSGIEC007D	-IOTAPE-WRONG DS NAME PRINTED WHEN TAPE WITH UNEXPIRED DATE IS MOUNTED
DM508	16.0	-P15527-MSGIEC107D	-GEN-IO-IGG0190F-TRYING TO ISSUE MSG WHICH WAS OVERLAID.
DM508	16.0	18147-P10341-MSGIEF162I	-CNTRLPROG-MFT/PCP-DATAMGMT-AFTER STEP TERM AND NEXT STEP IS EXEC
DM508	16.0	12356-P13298-WAIT	-GEN-QSAM-CHAINED SCHED-WHEN 12 PUNCH IN CC TAPE ENCOUNTERED.
DM508	15.0	-P13915-WAIT	-MFT-OPENING SYSIN-I/O ERR OCCURS.
DM508	16.0	15097-P15097-WAITFOE	-GEN-IGG0553A,C,D, WHILE UPDATING VTDC AND NO CORE AVAILABLE.
DM508	16.0	14252-P14252-WAITFO3	-CNTRLPROG-MFT/PCP-SUPVSR-IF SYSOUT ON TAPE AND ERROR OCCURS LEAVING TAPE OPEN
DM508	16.0	15708-P15708-WAITFO3	-GEN-IODASD-ISAM-IGG03211-ALLOC RTNE-FOLLOWED BY A WAIT FO3.
DM509	15.0	12728-P10141-ABENDOC4	-GEN-IOBDAM-IF READ,WRITE,WRITE,CHECK ISSUED IN THAT ORDER
DM509	16.0	CIRCM-P13958-IODASD-BDAM	-GEN-FALSE SUCCESSFUL READ/WRITE IS POSTED WHEN READ/WRITE BLK OUTSIDE BLK RANG
DM509	15.0	-P13049-IODASD-BDAM	-GEN-NRF-OPTIONS WR CHK&EXTND SEARCH-OCCURS WHEN-UPDATE WRITE-GIVEN.
DM509	16.0	12728-P14231-IODASD-BDAM	-GEN-OVERUN-OCCURS AT END OF 1ST TRK WHEN WRITING V TYPE RECS FROM 2 SUBTASKS
DM509	15.0	12728-P12728-LOOP	-GEN-IODASD-BDAM-READ EXCLUSIVE LOOP-OVERLAPPING/UNDEFINED RECS
DN533	15.0	-P15143-ABEND	-OLTEP-IFDOLTOO-IF EXERCISING TEST LOOP OPTION WHILE MULTIPROGRAMMING.
DN533	15.0	-P13515-SERVAIO	-OLTEP-MODIFICATIONS FOR OLTEP FOR TP IMPROVEMENTS.
DN533	15.0	-P13514-WAIT	-OLTEP-IFDOLTOO-TRYING TO TEST A NONREADY DEVICE
ED510	15.0	-P10290-ABENDOCG	-LKED-E-IEWLKSCD-WHEN OVERLAY SEGMENT CONTAINS NO TEXT
ED510	15.0	-P10290-ABENDOC6	-LKED-E-IEWLKSCD-WHEN OVERLAY SEGMENT CONTAINS NO TEXT
ED510	15.0	-P17099-ABENDOC6	-LKED-E-PROGRAM CHECK DUE TO AN ADCON NOT BEING PROPERLY RESOLVED
ED510	15.0	-P18545-ABEND80A	-LKED-E-AT EOY OF 1ST DS IF SYSLIN CONCAT.AND REGION LESS THAN 150K
ED510	15.0	-P18150-ABEND80A	-LKED-E-CORE IS NOT FREED FOR A LIBRARY BUFFER
ED510	15.0	-P14090-LKED-E	-GEN-COMMON-BLANK COM AREAS NOT PROMOTE TO NECESARY CSECTS IN OVERLAY STRUCT.
ED510	15.0	-P13096-LKED-E	-GEN-E LVL LINKEDIT LIMITED TO 58 DOWNWARD CALLS PER SEGMENT.
ED510	15.0	-P18616-LKED-E	-GEN-E44-INCORRECTY MERGES 3K BLKSIZE INSTEAD OF 1K INTO DSCB BECAUSE OF DC OPT
ED510	16.0	-P16272-LKED-E	-GEN-IF MAX BLOCKING ALLOWABLE IS LT SYSPRINT AN EXIT IS TAKEN WITHOUT FREEMAIN
ED510	15.0	-P10777-LKED-E	-GEN-LAST ADDR IN ENDTAB WRONG-DOES NOT POINT TO SEGTAB
ED510	15.0	-P15863-LKED-E	-GEN-LOST CSECT TEXT DURING LINK EDIT
ED510	15.0	-P09530-LKED-E	-GEN-NOT HANDLING R&P POINTERS CORRECTLY WHEN IT HAS TO WRITE DUMMY TEXT RECORD
ED510	15.0	-P17879-LKED-E	-GEN-3K BLOCKSIZE IS INCORRECTLY MERGED INTO THE DSCB FOR A DATACELL
ED521	16.0	-P18914-ABENDOC1	-LKED-F-IEWLMINP-DUE TO REGISTER 13 BEING DESTROYED
ED521	16.0	-P18914-ABENDOC5	-LKED-F-IEWLMINP-DUE TO REGISTER 13 BEING DESTROYED
ED521	16.0	-P18914-ABENDOC6	-LKED-F-IEWLMINP-DUE TO REGISTER 13 BEING DESTROYED
ED521	15.0	-P12076-LOOP	-LKEDF-IEWLKSCD-WRITE TO SYSLMOD WITHOUT CHECK PREVIOUS WRITE. LOOPS.
FO092	16.0	CIRCM-P15820-ABENDOCX	-FOR-E-CMPL-WHEN COMPILER IS SCATTER LOADED.
FO092	16.0	CRCMV-P14389-ABENDOC4	-FOR-E-CMPL-IEJFGAAO,JAAO-WHEN COMPILE SINGLE STMT PROG OF COMMENT/SPEC STATEME
FO092	15.0	-P13498-ABENDOC5	-FOR-E-EXEC-WHEN RETURNING FROM SUBRTN
FO092	16.0	-P15070-FOR-E-CMPL	-GEN-PERFORMANCE-SUFFERS WHEN SYSPRINT ASSGEND TO DASD DUE TO WRITE VALID CHK.
FO500	16.0	CIRCM-P16557-ABEND	-FOR-H-CMPL-IEKCDP-ILLEGAL ARGUMENT USED IN ARITHMETIC STATEMENT.
FO500	16.0	15987-P15987-ABEND	-FOR-H-CMPL-IEKJOF-IF PROG CONTAINS CALL STMT WITH LITERAL ARGUMENT.
FO500	16.0	CIRCM-P15755-ABEND	-FOR-H-CMPL-IF LOGICAL-STMT, AND ARITH IF TRAILER IS LABELED.
FO500	16.0	CIRCM-P16709-ABEND	-FOR-H-CMPL-IF STMT ERROR-EG-RIGHT PARAN PRECEDED BY DELIMTER FOLWD BY NONDELM
FO500	16.0	-P17342-ABEND	-FOR-H-CMPL-WITH XREF THE FMAT TXT POINTER PASSED TO IBCOM FOR RD/WR WRONG
FO500	16.0	16031-P16828-ABEND	-FOR-H-EXEC-IEKRDR,IEKRSX-OPT EQ 1OR2-FLOAT-POINT REG6 USED WRONG FOR MULTIPLY
FO500	16.0	CIRCM-P16623-ABENDOCX	-FOR-H-EXEC-IEKCSR-IF ENTRY STMTS ARE MIXED OR ARE BEFORE EQUIV. STMTS.
FO500	16.0	16031-P16096-ABENDOCX	-FOR-H-EXEC-IEKRSX-REG 12 NOT INITLZD WHEN REG 13 EXCEEDS CAPACITY ON TEMP.
FO500	16.0	CIRCM-P16033-ABENDOC1	-FOR-H-CMPL-IEKQTL-CAUSED BY TSIZE PARM EXCEEDING LIMITS.
FO500	16.0	-P16484-ABENDOC1	-FOR-H-CMPL-IEKTLB-OPT EQ 1OR2-BAD BRANCHES TO LABELS USED IN READ STMTS
FO500	16.0	16031-P16031-ABENDOC1	-FOR-H-EXEC-FP REGISTER 6 INCORRECTLY USED IN A MULTIPLICATION
FO500	16.0	16726-P16892-ABENDOC4	-FOR-H-EXEC-OPT EQ 2-WHEN SUBRTN LOADS DOUBLE ARG AND CALLING RTN PASSES A LIT

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
F0500	16.0	16370-P16370-ABENDOC5	-FOR-H-CMPL-IFKRFR-OPT EQ 2-ON MVT SYSTEM
F0500	16.0	16521-P16521-ABENDOC5	-FOR-H-EXEC-IEKTEP-IF FUNCTN NAME PASSED TO A SUBRTN IS PASSED TO 2ND SUBRTN
F0500	15.0	-P17444-ABENDOC6	-FOR-H-EXEC-INDEX REG ARE NOT BEING INITIALIZED CORRECTLY
F0500	15.0	-P17727 ABEND500	-FOR-H-CMPL-IEKVAD-COMPILATION OF FUNCTIONS MAY ABEND
F0500	16.0	16199-P16199-CNTRLPROG	-MFT/PCP-SUPVSR-FREEMAIN-FOR-H-COMPILER DOESNT ISSUE -FREEMAIN-
F0500	16.0	-P16455-FOR-+-EXEC	-CODE-READ/WRITE STMTS-IF EXTRA PARENTHESIS IS AROUND INDEXED IO LIST
F0500	16.0	-P14375-FOR-H-CMPL	-CODE-VARIABLES-MULTIPLE DEFINED ARE NOT FLAGGED AND BAD CODE IS GENERATED
F0500	16.0	CIRCM-P16278-FOR-H-CMPL	-DECK-IF SOURCE PUNCHED IN BCD,USED AS INPUT,DONT SPECIFY EBCDIC.
F0500	16.0	-P15232-FOR-H-CMPL	-LIST-ENTRY CODE PRINT WRONG FOR SUBRTN WITH MULTIPLE ENTRY POINTS.
F0500	16.0	CIRCM-P15357-FOR-H-CMPL	-LIST-SUBRTN NAMES PRINT WRONG USING XREF FOLLOWED BY IMPLICIT STMT
F0500	16.0	15541-P15541-FOR-H-EXEC	-CODE-ADCON-BAD FOR EQUIV GRP.IF LAST ADCON IS NEG,OR,CONTAINS LOCAL VARIABLE.
F0500	16.0	15695-P15695-FOR-H-EXEC	-CODE-ADCON-COMPILER GENS ADCON FOR BLOCK DATA SUBPROGMS.
F0500	16.0	CIRCM-P15937-FOR-H-EXEC	-CODE-ADCON-POINTING TO ERROR MSG CODED INCORRECTLY
F0500	16.0	CIRCM-P15848-FOR-H-EXEC	-CODE-ARITH-SUM OF PARTS A AND B ISNT STORED INTO IMAGINARY PART C.
F0500	16.0	16726-P16726-FOR-H-EXEC	-CODE-ARRAY-INCORRECT DISPLACEMENTS ASSIGNED TO LOCAL VARIABLES EQUIV INTO COM
F0500	16.0	CIRCM-P16276-FOR-H-EXEC	-CODE-ARRAY-LOCAL-INCORRECT REL ADDR CAUSES NOT ENOUGH STORAGE TO BE ASSIGNED
F0500	16.0	CIRCM-P14805-FOR-H-EXEC	-CODE-ARRAY-OPT EQ 0-WHEN SETTING AN ARRAY EQUAL TO ELEMENT OF 2ND ARRAY
F0500	16.0	CIRCM-P15519-FOR-H-EXEC	-CODE-ARRAY-WRONG SIGN-COMPILER FAILS STORE 0 INTO COMPLEX ARRAY.
F0500	16.0	CIRCM-P15078-FOR-H-EXEC	-CODE-CALL-ARG LIST-WRONG IF LIST HAS STMT NO, FOLWED BY NONEXECUTABLE STMT.
F0500	16.0	CIRCM-P15181-FOR-H-EXEC	-CODE-CALL-OPT EQ 2-REGS IMPROPRLY ASSGNE IN SUBRTN WITH DBL PRECIS ARRAY NAME
F0500	16.0	-P17377-FOR-H-EXEC	-CODE-CALL-WITH AN ARGUMENT WITH A VARIABLE SUBSCRIPT
F0500	16.0	-P16496-FOR-H-EXEC	-CODE-CONSTANT-REAL OR VARIABLE-IMAGINARY HALF OF TEMP IS ZEROED OUT
F0500	16.0	16726-P17140-FOR-H-EXEC	-CODE-DIMENSION-BAD EQUIV OFFSETS IF VARIABLE IS DIMENSIONED AFTER BEING EQUIV
F0500	16.0	14170-P14170-FOR-H-EXEC	-CODE-DO-OPT EQ 1 OR 2-IMPLIED DO WITH RANGE OF DO IN COMMON
F0500	16.0	16318-P16318-FOR-H-EXEC	-CODE-DSIGN-OPT EQ 2 -WHEN USING SUBPROG DSIGN RESULTS IN NEG NR ROUNDED WRONG
F0500	16.0	15750-P15750-FOR-H-EXEC	-CODE-ENTRYPOINT-PROLOGUE FOR 2ND ENTRY PT FAILS LOAD BASEREG 12.
F0500	16.0	CIRCM-P15074-FOR-H-EXEC	-CODE-EXPRESSION-OPT EQ 2-ERRONEOUSLY 4 BYTE AREA FOR SIMPLE ARITH EXPRESSN.
F0500	16.0	-P15767-FOR-H-EXEC	-CODE-FUNCTION,EXTERNAL,USED AS ARG IN I/O LIST NOT FLAGGED.
F0500	16.0	15745-P15745-FOR-H-EXEC	-CODE-IF,GOTO,DO,ETC-OPT EQ 1OR2-BAD BRANCHES-ASTRING 1ST RD/WRT WITH NAMELIST
F0500	16.0	-P15474-FOR-H-EXEC	-CODE-IMPLICIT STMT-FAIL TO ISSUE DIAG IF NOT 1ST IN MAIN PROG OR 2ND IN SUBPRG
F0500	16.0	-P15553-FOR-H-EXEC	-CODE-IMPLICIT STMT-WILL RETYPE SUBR/FUNCTION ALREADY TYPED EXPLICITLY.
F0500	16.0	CIRCM-P15406-FOR-H-EXEC	-CODE-INSTRUCTION-OPT EQ 2-AC INSTR GENED INSTEAD OF -CH-
F0500	16.0	15471-P15471-FOR-H-EXEC	-CODE-MULTIPLY-FLOAT-INCRCR REG ASSUMED TO CONTAIN F.P. MULTIPLIER.
F0500	16.0	16031-P16947-FOR-H-EXEC	-CODE-OPT EQ 2-BAD CODE GENED DO TO FLOATING POINT REG 6 BEING ASSIGNED WRONG
F0500	16.0	16031-P15749-FOR-H-EXEC	-CODE-PROCEDURE-IO-OPT EQ 2-TEMP BASE REG FOR IBCOM ERRONEOUSLY ASSN TO COMMON
F0500	16.0	15713-P15713-FOR-H-EXEC	-CODE-READ-OBJECT TIME FMT ARRAY PASSED PARM TO ANOTHER AS FMT STMT DOESNT WORK
F0500	16.0	CIRCM-P16294-FOR-H-EXEC	-CODE-VARBLE-SUBSCRPTD BY DATASTMT,TREATED AS UNSUBSCRPTD ARRAY NAME.
F0500	16.0	-P17411-FOR-H-EXEC	-GEN-ARITH-INCORR.RESULTS IN DBLE RREC.COMPLEX STMT.WHERE C EQ.A PLUS B
F0500	16.0	16726-P17140-LOOP	-FOR-H-CMPL-IEKGST-IF A VARIABLE IS DIMENSIONED AFTER IT IS EQUIVALENCED
F0500	16.0	-P16463-LOOP	-FOR-H-CMPL-IEKTFM-FORMAT STMT WITH INVALID PUNCH
F0500	16.0	15547-P15547-LOOP	-FOR-H-CMPL-IEKTPK-OPT EQ 2-IF ID OPTION SPECIFIED
F0500	16.0	CIRCM-P17049-MSG	-LKED-E-COMPILER ERRONEOUSLY PLACES E.P. ADDR IN END CARD OF BLK-DATA SUBPROG
F0500	16.0	-P16830-MSGIEK136I	-FOR-H-CMPL-FLAG-MSG INCRTLY WORDED-WHEN NR OF NESTED OR IMPLIED DOS EXCEED MAX
F0500	16.0	CRCMV-P18083-MSGIEK141I	-FOR-H-CMPL-MSG-IF FINAL PARENTHESIS COUNT IS NOT ZERO
F0500	16.0	CIRCM-P16440-MSGIEK170I	-FOR-H-CMPL-FLAG-IF WRITE STMT VAR SPECIFYING RECS RELATIVE POS IS ASTERISK 2
F0500	16.0	16726-P15781-MSGIEK306I	-FOR-H-CMPL-FLAG-ERRONEOUS FOR EQUIV STMT WITH LOCAL VARBLE AND OTHR LOC VARBLE
F0500	16.0	CIRCM-P14969-MSGIEK509I	-FOR-H-CMPL-IEJKA-ERRONEOUS-IF PGM ENDS WITH BLOCK OF UNLABLD STMTS BEFORE STOP
F0500	16.0	-P17015-MSGIEK516I	-FOR-H-EXEC-ERRONEOUS IF ARITH IF CONTAINS A COMPLEX EXPRESSION
F0500	16.0	-P17668-MSGIEK610I	-FOR-H-CMPL-FOR COMP.GEN.STMT NO.WHICH DOES NOT APPEAR IN LISTING OF OBJECT CODE
F0500	16.0	15397-P15397-MSGIEK660I	-FOR-H-CMPL-FLAG-DUE TO INCRCR PROCESSING TEMPORARIES IN REG ASSIGN PHASE 20.
F0500	16.0	CIRCM-P16288-MSGIEK730I	-FOR-H-CMPL-GEN-DOESNT HANDLE FIELDS IN FORMAT STMT ENDING IN COL 72.
F0500	16.0	-P17514-MSGIHC210	-FOR-H-EXEC-SUBRTNES VAZ AND RESDOL ABENDED
F0500	16.0	CIRCM-P16709-MSGIHC210I	-FOR-H-CMPL-ERRONEOUS IF STMT ERROR EG.RIGHT PARAN PRECEDED BY DELIMITER
F0500	16.0	CIRCM-P16557-MSGIHC210I	-FOR-H-CMPL-IF ILLEGAL ARGUMENT USED IN ARITHMETIC STATEMENT.
F0520	16.0	-P14373-ABEND0B37	-FOR-G-CMPL-IF LITERAL CONSTANT CONTAINS NULL STRING ON DATASTATEMENT
F0520	16.0	CIRCM-P15021-ABENDOCX	-FOR-G-CMPL-LAST STMT IS CALL STMT AND NO END CARD PRESENT.
F0520	16.0	15210-P14646-ABENDOC1	-FOR-G-CMPL-IEYFORT-IF NO SYSPUNCH OR SYSLIN DD CARD USING DECK OR LOAD OPTION

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
F0520	16.0	-P16833-ABENDOC1	-FOR-G-EXEC-IEYALL-IF UNCLOSED DO-LOOPS, UNDEFINED LABELS, OR MAP-OPT-NO DEC.FEAT
F0520	16.0	CIRCM-P14334-ABENDOC5	-FOR-G-CMPL-IEYPAR-IF FORMAT MISPELLED IN FORMAT STMT
F0520	16.0	CIRCM-P14470-ABENDOC5	-FOR-G-CMPL-ILLEGAL USE ARITH OPERATOR ON LOGICAL OPERAND.
F0520	16.0	-P16398-ABENDOC5	-FOR-G-EXEC-IEYPAR-ILLEGAL BRANCH TO FORMAT STMT NOT DIAG BY COMPILER
F0520	16.0	-P13253-FOR-G-CMPL	-DECK-RLD BAD CAUSED BY ILLEGAL BRANCH BY COMPLIER TO END, SPEC, OR DEBUG STMT
F0520	16.0	15210-P15210-FOR-G-CMPL	-GEN-INVOKED CORE NOT FREED WHEN CMPLR RETURNS TO INVOKING PROG UNTIL STEP TERM
F0520	16.0	CIRCM-P15140-FOR-G-EXEC	-CODE-ARRAY-IF ARITH EXPRESN IN SUBSCRPT, CMPLER CALCS BAD ADDR IN ARRAY.
F0520	16.0	CIRCM-P14441-FOR-G-EXEC	-CODE-BAD CAUSED BY ASSMNT OF TEMP STORAGE FOR INTEGER CONSTANT USED IN STMT
F0520	16.0	CIRCM-P16107-FOR-G-EXEC	-CODE-CONSTANT-FLOAT-CONTINUED BTWN 2 SOURCE CARDS, COMPILES IN ERR.
F0520	16.0	CIRCM-P14793-FOR-G-EXEC	-CODE-DO LOOP-WITH EXT RANGE CONTAINING 2ND DO.BAD REG CONTENT ON RETURN.
F0520	16.0	CIRCM-P15488-FOR-G-EXEC	-CODE-EXPONENTIATION-OF ARITH EXPRESSION CONTAINING MINUS SIGN MAY ERR.
F0520	16.0	CIRCM-P15192-FOR-G-EXEC	-CODE-FORMAT-BAD DATA RD/WRT IF FMT CODE WITH D PORTION GR OR EQ W PORTION.
F0520	16.0	-P16608-FOR-G-EXEC	-CODE-FORMAT-COMPILER FAILS TO DETECT MISSING FLD DELIMITERS-NO MSG GIVEN
F0520	16.0	CIRCM-P14440-FOR-G-EXEC	-CODE-IF-LOGICAL-.RLD CARDS WRONG IF -IF- STMT TRAILER IS I/O STMT.
F0520	16.0	CIRCM-P15084-FOR-G-EXEC	-CODE-MULTIPLY-ARG SPECIFIED AS PRODUCT OF SHORT INTEG VARBLES MAY GEN BAD.
F0520	16.0	CIRCM-P13778-FOR-G-EXEC	-CODE-SUBSCRIPT-NAME-IF NAME SPANS 2 CARDS GET UNRESOLVED EXT REF ON LKED
F0520	16.0	-P13253-LKED	-FORG-BAD RLD CARD-CAUSE BY ILLEGAL BRANCH BY CMPLER TO END, SPEC, OR DEVB8 STMT
F0520	16.0	CIRCM-P13778-LKED	-FORG-UNRESOLVED EXTERN REF IF SUBSCRPT NAME SPANS TWO CARDS.
F0520	16.0	15210-P15473-LOOP	-FOR-G-CMPL-EXEC CARD SPECIFIES FILENAME PARAMETER.
F0520	16.0	-P14373-LOOP	-FOR-G-CMPL-IF LITERAL CONSTANT CONTAINS NULL STRING ON DATA STATEMENT
F0520	16.0	CIRCM-P14410-MSGIEY0131	-FOR-G-CMPL-FLAG-ERRONEOUS-IN FORMAT STMT BCD OPT, FLAGS BCD RITE PARENTHESIS,
F0520	16.0	-P16625-MSGIEY0161	-FOR-G-CMPL-FLAG-IF STMT LABEL IS TAGGED BY IO STMT AS LABEL OF FORMAT STMT
F0520	16.0	14446-P14446-MSGIEY0201I	-FOR-G-CMPL-FLAGS COMPILER FAILS TO RETURN PROPER RETURN CODE
F0520	16.0	-P14725-MSGIEY021Y	-FOR-G-CMPL-FLAG-UNCLOSED-DO LOOPS-. WORD -DO- SPELLED WRONG
F0520	16.0	CIRCM-P15021-MSGIEY031I	-FOR-G-CMPL-LAST STMT IS CALL STMT AND NO END CARD PRESENT. CMPLR ABTERMS.
F0520	16.0	-P17996-MSGY0131	-FOR-G-CMPL-MORE THAN 50 CONTINUATION CARDS USED, MEANINGLESS INFO PRINTED
I0523	15.0	13840-P13840-ABENDOCX	-GEN-IO-IFFAHA03-POINTER LOST-PROG RUNS OUT OF CORE.
I0523	16.0	-P17997-ABENDOC5	-GEN-IO-TASK ENTRY POINTER REMAINING IN UCB GIVES ABEND
I0523	15.0	-P13841-ABEND523	-GEN-IO-IGG0190A-PROG HAS 1050 BUT NO 2250 CAPABILITIES.
I0523	16.0	-P15800-ABEND80A	-GEN-IOGRAPHICS-IFPGAUP-GSUPLT NOT DELET GOFFSG UPON COMPLETN OF SCALING.
I0523	15.0	-P13842-CNTRLRPROG	-MFT/PCP/MVT-SAMPROG-JCL TOO RESTRICTIVE FOR SAMP2250, SAMP2260, ON SOME SYSTEMS
I0523	15.0	-P14872-IOGRAPHICS	-GEN-CLOSE-IGG0203Y-DOES NOT PURGE ALL OUTSTANDING RQE'S
I0523	15.0	-P14320-IOGRAPHICS	-GEN-DEFAULT OPTION FOR -GSP EQ PARM- OF GRAPHICS MACRO NOT IN C28-6554-3
I0523	16.0	-P15800-IOGRAPHICS	-GEN-IFPGAUP-GSVPLT NOT DELETE GOFFSG UPON COMPLEN SCALING FUNCTION.
I0523	15.0	-P14324-IOGRAPHICS	-GEN-2250-GDS NOT GENERATING INCREMENTAL VECTORS
I0523	16.0	-P17997-WAITF03	-GEN-IO-TASK ENTRY POINTER REMAINING IN UCB GIVES OC5 ABEND
I0526	16.0	-P16384-ABEND	-GEN-IO-BISAM-USING WRITE KN, EOF MAY BE WRITTEN IN PRIME INSTEAD OF INDEPENDENT
I0526	15.0	14129-P14129-ABENDOC5	-GEN-IODASD-ISAM-SCANNING DATASET
I0526	16.0	-P15459-ABENDOC6	-GEN-IOGRAPHICS-IFFGRTTR DOESNT CHK IF TIOT HAS SOUCB INSTEAD OF UCB ADDRESS.
I0526	15.0	-P13871-ABENDOF1	-GEN-IODASD-ISAM-LESS THAN 1 CYL PRIME DATA AREA.
I0526	16.0	-P15407-ABENDOF1	-GEN-IODASD-QISAM-IF PUTX MACRO ISSUED AND DCB MACRF DOESNT SPECIFY -PUTX-
I0526	15.0	15924-P11081-ABENDOF1	-IODASD-ISAM-CLOSE-QISAM-UPDATE RUN-ERROR OCCURS CAUSING APPEND CODE -19-
I0526	16.0	-P17637-ABEND031	-GEN-IO-ISAM-IF INDEX IS ON 2314 AND OVERFLOW ON 2311, ALL ON CH 1 MAY ABEND
I0526	16.0	-P13937-ABEND033	-GEN-IODASD-ISAM-BISAM-OPEN-HIGH LEVEL INDEX READ INTO CORE. EDCYL REACHED.
I0526	15.0	-P12705-ABEND102	-GEN-IODASD-ISAM-BISAM-OVERLAPPED IO-READKEY-FOR UPDATE MAY CAUSE ABEND.
I0526	16.0	-P16305-ABEND400	-GEN-IO-ISAM-IGG019GA, 19GB, IF 1CYL FOR ISAM DS OF WHICH 8TRKS RESERVED FOR OFLW
I0526	16.0	10284-P10284-ABEND400	-GEN-IODASD-ISAM-IGG0202C-IF OPENING OR CLOSING EMPTY DATA SET (NO PUTS)
I0526	16.0	-P13999-ABEND784	-GEN-IODASD-ISAM-IF QISAM SCAN FIND PERM I/O ERROR AND SYNAD NOT SPECIFIED
I0526	15.0	-P14093-IODASD-ISAM	-GEN-BISAM-CODE-CLOSE-FAIL FREE ALL BFRS & DCB WORK AREAS
I0526	16.0	15924-P12999-IODASD-ISAM	-GEN-BISAM-CODE-WRITEKEYNEW-ADDING TO LAST PRIME AREA, DELTD REC GOES TO OFLOW.
I0526	16.0	15924-P13401-IODASD-ISAM	-GEN-BISAM-UNREACHABLE BLOCK-WRITEKN-FAIL RECOGNIZE LAST TRK WAS FULL
I0526	16.0	-P13813-IODASD-ISAM	-GEN-BISAM/QISAM-CODE-DCBOPTCD EQ 1-JCL CHARTS DEFINE INCRCPLY
I0526	16.0	CIRCM-P15365-IODASD-ISAM	-GEN-BISAM/QISAM-EOF-LOST.EOF ON CYL OTHER THAN LAST PRIME&PTF13270 INSTALLED.
I0526	16.0	15924-P16072-IODASD-ISAM	-GEN-BISAM/QISAM-ERP-NOT ALWAYS RETRYING I/OERRS SCAN & APPENDAGES.
I0526	16.0	CIRCM-P14089-IODASD-ISAM	-GEN-BISAM/QISAM-INDEX PAD PROBLEM-MULTIVOL ALLOCTD & INDEX CROSSES VOLTS.
I0526	15.0	-P13539-IODASD-ISAM	-GEN-BISAM/QISAM-IOERR-READ-FAILED CHECK FOR INVALID BLOCKSIZE AT OPEN TIME.
I0526	16.0	CIRCM-P13929-IODASD-ISAM	-GEN-BISAM/QISAM-NRF-INITIAL READ K DONE FOR OFLW REC, FOLWD BY WRITE K.

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CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
I0526	16.0	15924-P12244-IODASD-ISAM -GEN-BISAM/QISAM-NRF-1 REC/BLOCK,RECFORM EQ FB,ADDING RECS TO LAST TRK -DS-.
I0526	16.0	13711-P13711-IODASD-ISAM -GEN-BISAM/QISAM-PUT RTN WRKAREA DESTROYD BY APENDAGE RTN IF INTRUPT OCCURS
I0526	16.0	13711-P13165-IODASD-ISAM -GEN-BISAM/QISAM-SCAN-RECS INACCESSIBLE-NTM OPT USED & CYL INDX GT 1 CYLINDER
I0526	16.0	13711-P14251-IODASD-ISAM -GEN-CODE-CLOSE-IGG019GA,B.RETURNS TO PUT RTNE,R13 BAD,IF PERM IDERR OCCURRED.
I0526	16.0	15361-P15361-IODASD-ISAM -GEN-CODE-CLOSE-IGG0202I-WHEN LAST CYL INDEX WRITTN,WRONG ADDR PUT IN REG 7
I0526	16.0	-P12041-IODASD-ISAM -GEN-CODE-DCB AREA-NOTREUSABLE FOR NEW-DD-NAME.1-ST TIME SW NOT RESET-CLOSE-.
I0526	16.0	-P13812-IODASD-ISAM -GEN-CODE-DCBPTCD.EQ 1-JCL SRL INCRCTLY DEFINES MEANING.
I0526	16.0	-P13334-IODASD-ISAM -GEN-ERP-WRITECHECK PROCED RESULTS IN ENTIRE EXECUTION -IOS-ERP INCRCTLY
I0526	15.0	-P13662-IODASD-ISAM -GEN-IOERR-DUP REC-IN SYNAD RTNE, USER CANT PROPERLY CLOSE -DCB-
I0526	16.0	16068-P16068-IODASD-ISAM -GEN-LABEL-FMAT2-INCRCTLY UPDATED IF LAST PRIME AREAGEOF ON SEP CYLINDERS.
I0526	15.0	15924-P11643-IODASD-ISAM -GEN-PUT CHANNEL END APPENDAGE RETURNS TO NORMAL WHEN POSTED WITH 4F
I0526	16.0	-P15407-IODASD-ISAM -GEN-QISAM-CODE-PUTX-ABEND IF MACRF DOESNT SPECIFY PUTX.
I0526	16.0	15924-P13888-IODASD-ISAM -GEN-QISAM-ERP FAILS-IF OVERSEEK ACCESS ARM DUR SETL,CHANPROG NOT RETRIED.
I0526	15.0	-P12881-IODASD-ISAM -GEN-QISAM-LOAD-IGG0202I-FAIL WRITE EOT DUMMY ENTRY DURING -CLOSE-.
I0526	15.0	13270-P13270-IODASD-ISAM -GEN-WRITE ADD OVERWRITES IF ISAM FAILS TO CLOSE COMPLETELY AFTER WRITE ADD
I0526	15.0	-P10738-LOOP -GEN-IODASD-ISAM-IGG0192A-OPEN-LOADMODE-OPENING OLD DATASET FOR LOADMODE.
I0526	16.0	15281-P13264-MSG -GEN-IODASD-ISAM-READ OK FOLLOWED BY WRITE K FLAGS AS INVALID REQUEST.
I0526	16.0	15281-P15281-WAIT -GEN-IODASD-BISAM-IGG019J1-DYNAM BUFFERING.UNREACHABLE BLOCK CONDITION OCCURS.
I0526	15.0	15924-P12068-WAITF01 -GEN-IO-IGG019C8-GOING FROM 1-ST TO 2-ND CYL OF CYL INDEX.
I0526	15.0	15924-P13494-IODASD-ISAM -GEN-BISAM/QISAM-IOERR-UNCORRECTABLE. INPUT-SCANNING TO END OF DATASET.
LM501	16.0	-P16223-ABENDOC4 -FOR-1-LIB-MVT-FORT LOAD MODULE ABTERM DUR BOUNDARY ALIGNMENT -FIXUP-.
LM501	16.0	-P16932-FOR-1-LIB -DEBUG PRINTS WRONG DATA FOR SUBSCRIPT AND VALUE OF VARBLE USING INIT OPTION
LM501	15.0	-P13757-FOR-1-LIB -GEN-TRACEBACK-INTERNAL STMT NUMBERS CONTAINED IN TRACEBACK ARE INCORRECT
LM501	16.0	-P16337-MSGIHC2181 -FOR-1-LIB-MSG IS ONLY 8 BYTES LONG IF ERR MSG DS CONSISTS OF V OR U TYPE RECS
LM504	16.0	-P11829-CBL-E-EXEC -GEN-ENTRY POINT ON MEMBER IH000400 MISSING-GIVES UNRESOLVED REF ON LKED
LM512	15.0	-P13240-ABEND -PLI-F-EXEC-IHEITA-IF XMIT COND OCCURS ON STREAM OUTPUT FILE
LM512	15.0	-P14485-ABEND -PLI-F-EXEC-IHEITG-IF XMIT COND OCCURS ON CONSECUTIVE BUFFERED FILE
LM512	16.0	-P15338-ABENDOC4 -PLI-F-EXEC-IEHITA-IEHIT6-IF XMIT COND OCCUR ON REGIONAL 1,2,3,OUTPUT FILE.
LM512	15.0	CIRCM-P11890-ABENDOC4 -PLI-F-EXEC-USERPROG-EPILOG MAIN-WHEN FILE CLOSED BY PL/1 LIBRARY.
LM512	15.0	CIRCM-P13811-ABEND4000 -PLI-F-EXEC-IHEPRT-ERR MSG CANT GO TO SYSPRINT AND IS LONGER THAN 80 CHARS
LM512	16.0	CIRCM-P12531-ABEND4000 -PLI-F-EXEC-PICTURE-CONSISTS OF SINGLE Z OR ASTERISK & VALUE ZERO.
LM512	15.0	CIRCM-P14153-CBL-E-EXEC -CODE-CONVERSION E FORMAT INPUT-SPURIOUS CONVERSION ERROR OCCURS DURING ERROR
LM512	15.0	-P12526-FOR-1-LIB -CODE-PICTURE-STERLING-DLRSIGN,S,PLUS,MINUS SIGN AS LAST CHAR.BADCODE.
LM512	15.0	CIRCM-P11887-IO -PLI-F-CODE-READ-LABELED,VFORMAT,USING-U-FORMAT.DATA TREATED AS -BLOCKED-
LM512	15.0	-P14752-IO -PLI-F-WLR-WRTING U FORMAT RECS ON UNBUFFERED SEQ FILE OR REGIONAL FILE
LM512	15.0	15375-P15375-IOPAPTAPE -PLI-F-TRANSMIT CONDITION NOT RESET AFTER -GETS- AND -PUTS-.
LM512	16.0	-P13716-IOTAPE -PLI-F-RWU-FAILS UNLOAD WITH MULTIFUNCTION-DS-,VOL SWITCHING TIME.
LM512	16.0	CIRCM-P14881-MSGIHE0341 -PLI-F-EXEC-IF READ ATTEMPTED IN SEQNTL UNBUFF FILE FROM PAPERTAPE.
LM512	16.0	CIRCM-P12532-MSGIHE7011 -PLI-F-EXEC-OPT EQ 1,F FORMAT ITEM TOO SMALL.
LM512	16.0	CIRCM-P12534-PLI-F-EXEC -GEN-TRUNCATION-OF STERL POUND FLD INCRCT WHEN -SIZE CONDITION- DISABLED.
LM512	15.0	RESTR-P12132-PLI-F-EXEC -CODE-BITSTRING-NUL BITSTRING ASSGND TO -CHARACTER-STRING.NO BLANKS PRODUCED
LM512	16.0	15024-P15024-PLI-F-EXEC -CODE-EXP-ZERO VALUE RETURNED WHEN USED WITH SHORT FLOAT ARGUMENT
LM512	16.0	-P12515-PLI-F-EXEC -CODE-OUTPUTING VALUE OF 0 WITH PICTURE OF SUPPR.CHARS.PRECED.SINGLE 9
LM512	16.0	-P12550-PLI-F-EXEC -CODE-SIGNAL-BUILTIN FUNCTION ONLINE RETURNS NULL STRING IF USED WITHIN ON-UNIT
LM512	16.0	-P17058-PLI-F-EXEC -CODE-UPDATE-OPTCD EQ L-DELETE REC STMT DOES NOT PRODUCE KEYED RECORD NOT FOUND
LM512	15.0	-P14349-PLI-F-EXEC -GEN-IHESAP-MVT OPT 4-PARAMETER PASS WRONG FM EXEC CARD TO PL1 MAIN PROCEDURE
LM512	15.0	CRCMV-P16772-PLI-F-EXEC -GEN-WHEN PROG.DYNAM.INVOKED AND PARM IS PASSED,CONVERSION ERRORS OCCUR
LM512	15.0	CIRCM-P11698-WAIT -PLI-F-CMPL-TRANSMIT ON CONDIT-RAISED WITH RECORDID.-IHEITG-
LM532	15.0	CIRCM-P10226-ALG-EXEC -CODE-ERRORS-USING I/O OPENED BY PRECOMPILED PROCEDURE AND LEFT UNCLOSED.
LM532	15.0	-P10221-IO -ALG-SYSACT11-MAY INDICATE-BLKD DS- IS OPEN WHEN ACTUALLY IS EXHAUSTED.
LM532	15.0	-P10221-IOTAPE -ALG-OPEN-LABELED TAPE-FAILS.CANT BE OPENED BY SYSACTDS PROPERLY.ERRS RESULT.
LM537	16.0	-P16852-ABEND -GEN-IOGRAPHICS-IFFAGA07-WHEN UPDATE IS ATTEMPTED USING ORGEN
LM537	16.0	-P15962-CNTRLRPROG -MFT/PCP-SUPVSR-FREEMAIN-IOGRAPHICS-STG NOT FREED.POINTERS BAD.XREF IOGRAPHICS
LM537	16.0	-P16292-IOGRAPHICS -GEN-CODE-COORDINATE-ROUNDING IN DWNWARD DIRECTN CAUSED ERRON BY IFFAGA08.
LM537	16.0	-P16803-IOGRAPHICS -GEN-CODE-GSPRD READ-ORDERS AND DATA CANNOT BE READ
LM537	16.0	-P16741-IOGRAPHICS -GEN-CODE-GSPRD-READ-JATA READ IN IS OFF 2BYTES
LM537	16.0	-P15962-IOGRAPHICS -GEN-CODE-UPDATE-FAILS IN PTEXT-IEFFAFA03-STG OBTAINED BY GETMAIN NOT FREED.

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST		0652	68250
CMPNT	FIXD	ACTON-APARND-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
LM537	15.0	-P18640-IOGRAPHICS	-GEN-DATA FROM KEYBOARD NOT ENTERED PROPERLY INTO FORTRAN ARRAY
LM537	15.0	-P15059-IOGRAPHICS	-GEN-IFFADA01-STOP MOVING DATA INTO USERS INPUT AREA WHEN HEX 1A ENCOUNTERED
LM537	15.0	-P14743-IOGRAPHICS	-GEN-IFFAHA05-NOT UPDATING LOGICAL ADDRESS ON CERTAIN OVFLW CONDITIONS
LM537	16.0	-P15743-IOGRAPHICS	-GEN-PIX-SAME PICTURE ON 2 2250S WITH DIFF JOB ON EACH 2250. IFFAHA01.
LM537	15.0	-P15489-IOGRAPHICS	-GEN-WLR-ON CALLS TO MVPOS BYTE.
LM537	16.0	-P18641-IOGRAPHICS	-IMAGES DO NOT APPEAR IN CORRECT POSITION ON 2250
LM537	16.0	-P18692-IOGRAPHICS	-IN A NORMAL RUN, PROG. SUDDENLY STOPS ACCEPTING LIGHT DETECTS
LM537	16.0	-P15858-LOOP	-GEN-IOGRAPHICS-IFFAH02-CALLING INGOS FOR 128TH TIME.
NL511	15.0	-P14078-ABENDB37	-PL1-F-EXEC-ARRAY-DECLARED AS FIXED BINARY-USED INCRCTLY. DELAYED ABEND OCCURS
NL511	15.0	-P14078-ABENDD37	-PL1-F-EXEC-ARRAY-DECLARED AS FIXED BINARY-USED INCRCTLY. DELAYED ABEND OCCURS
NL511	15.0	-P16343-ABENDOCX	-PL1-F-CMPL-IEMFT-NAME USED AS ENTRY LABEL AND STRUCT ELEMENT.
NL511	15.0	-P12848-ABENDOF1	-PL1-F-CMPL-IEMAB-BLKSIZE SPECIF FOR-SYSPRINT-SPECIFIED INCORRECTLY.
NL511	16.0	-P15667-ABENDOF2	-PL1-F-CMPL-IEMAB-COMPILER DYNAM INVOKED, ALT DD NAMES SPEC, BATCH CMPILING USED
NL511	15.0	-P12848-ABENDOF2	-PL1-F-EMPL-IEMAB-BLKSIZE SPECIF INCRCTLY FOR -SYSPRINT-.
NL511	15.0	CIRCM-P15289-ABEND4000	-PL1-F-EXEC-CODE-OPT EQ 1-IF NESTED BEGIN BLOCKS AND NO CALL/ON STMTS.
NL511	16.0	RESTR-P14883-IOPAPTAPE	-PLIF-IDERR-ONTRANSMIT CONDITION RAISED-WRONG ERR RECORD PRINTS OUT.
NL511	16.0	-P14947-IDPTR	-PLIF-SKIPS EXTRA PAGE AFTER COMPIL IF WARNING MSG SUPPRED AND SPILL-FILE USED
NL511	15.0	-P15109-LOOP	-PL1-F-CMPL-IEMAA-LONG STRING OF INVALID TEXT INCLUDES COLON.
NL511	16.0	-P13235-LOOP	-PL1-F-CMPL-IEMGB-FORMAT LIST HAS REP FACTOR FOLWD BY INVAL-PICTURE-
NL511	15.0	CIRCM-P14133-LOOP	-PL1-F-CMPL-IEMHK-END OF TEXT BLOCK CONDITION
NL511	15.0	-P13393-LOOP	-PL1-F-CMPL-IEMUA-DATADIRECTED IO-ILLEGAL FORMAT PARAMETERS.
NL511	15.0	CIRCM-P09194-LOOP	-PL1-F-EXEC-IEMHK-NESTED COMPLEX EXPRESSIONS.
NL511	15.0	CIRCM-P13532-LOOP	-PL1-F-EXEC-IEMRF-LONG SEQ OF SIMPLE UNLABELED STMTS APPEARS TO LOOP. SLOW EXEC.
NL511	15.0	-P12150-LOOP	-PL1-F-EXEC-IEMUA-CODE-READ STMT WITH -KEYTO-OPTION REFS -KEYED-FILE, CONSEQ ATR
NL511	16.0	CIRCM-P12522-MSG	-PL1-F-CMPL-FLAG-VARIETY ERRS-IEMJK-USING-POLY-FUNCT--ARRAYS--.
NL511	16.0	CIRCM-P12507-MSG	-PL1-F-EXEC-/THE COMMENT FOLLOWING LOGICAL END OF PROG NOT TERMINATED/-MSG .
NL511	15.0	CRCHV-P17180-MSG	-PL1-F-EXEC-QUOTE-IEM38561-ERROR MSG DUE TO FAULTY TEXT BLOCK HANDLING
NL511	15.0	-P12682-MSGIEM0109I	-PL1-F-CMPL-CONSTANT/IDENTIFIER-SPLIT BTWN 2 INPUT RECORDS. IEMCI--.
NL511	15.0	-P12682-MSGIEM0110I	-PL1-F-CMPL-CONSTANT/IDENTIFIER-SPLIT BTWN 2 INPUT RECORDS.
NL511	15.0	-P12533-MSGIEM0557I	-PL1-F-CMPL-FLAG-IF MAJOR STRUCTURE AND STMT LABEL CONSTANT HAVE SAME NAME
NL511	15.0	-P14682-MSGIEM0570I	-PL1-F-EXEC-RETURNS ATTRIBUTE- SPECIFIES ADJUSTABLE STRING. FALSE MSG. IGNORE.
NL511	16.0	-P13785-MSGIEM0739I	-PL1-F-EXEC-PICTURE SUBFIELD FOLWD BY SCALING FACTOR.
NL511	15.0	CIRCM-P14967-MSGIEM0819	-PL1-F-EXEC-IF PARAM WITH DIMENSION OF LENGTH ATTR OF * PASSED TO EXTERN TRNE
NL511	15.0	-P16649-MSGIEM0819I	-PL1-F-CMPL-IF OUTER PROCEDURE HAS A CONDITION PREFIX
NL511	15.0	CIRCM-P12502-MSGIEM082I	-PL1-F-EXEC-FILENAME IN -CHECK- LIST
NL511	15.0	-P14886-MSGIEM1028I	-PL1-F-CMPL-IEMIA-RARE UNDEFINED TXT BLKSZE. INCREASE TO CIRCUMVENT.
NL511	16.0	CIRCM-P14544-MSGIEM1061I	-PL1-F-EXEC-BUILTIN FUNCT -FIXED- USED WITH 2 ARGUMENTS.
NL511	16.0	CIRCM-P15253-MSGIEM1065I	-PL1-F-CMPL-ERRONEOUS MSG-GENERIC EP DECLARES PARAMS TO BE -ALIGNED ARRAY-.
NL511	16.0	-P15034-MSGIEM1065I	-PL1-F-CMPL-FLAG-ERRONEOUS IF ELEMENT OF ARRAY IS PASSED AS ARG TO GENERIC ENTR
NL511	15.0	CIRCM-P11682-MSGIEM1105I	-PL1-F-CMPL-MSG ERRONEOUSLY GIVEN. NO FURTHER EXPLANATION.
NL511	15.0	-P11019-MSGIEM1121I	-PL1-F-CMPL-FLAG-WHEN INITIAL VALUE FOR SUBSTR VAR IS NOT A VALID STRING CONST
NL511	15.0	CIRCM-P15175-MSGIEM1200I	-PL1-F-CMPL-TEXT BLOCK SIZE 8K. TRY REDUCING SIZE OPTION.
NL511	15.0	CIRCM-P14403-MSGIEM1602I	-PL1-F-CMPL-INDEX/UNSPEC/SUBSTR, ARGS ARE IDENTIFIER ENCLOSED IN PARENS.
NL511	15.0	CIRCM-P12506-MSGIEM1629I	-PL1-F-CMPL-ERRONEOUS MSG-SUBSTRING-ARG 2 LENGTH EQ IN VALUE TO LENGTH STRING
NL511	15.0	CIRCM-P12506-MSGIEM1629I	-PL1-F-CMPL-ERRONEOUS MSG-SUBSTRING-ARG 2 LENGTH EQ IN VALUE TO LENGTH OF STRING
NL511	15.0	CIRCM-P15443-MSGIEM1637I	-PL1-F-CMPL-ERRONEOUS WHEN 3-RD ARG TO SUBSTR IS VALUE SAME AS LENGTH OF 1-S ARG
NL511	15.0	CIRCM-P12601-MSGIEM1671I	-PL1-F-CMPL-TERM IN MOD-IEMPP-. ARRAY ARG PASSED TO ENTRY POINT.
NL511	16.0	CIRCM-P14894-MSGIEM1802	-PL1-F-EXEC-ARRAYS-USED WITH NEG LWR SUBSCRPTD BOUND, INVAL CONST DICT ENTRY.
NL511	16.0	-P15087-MSGIEM1804I	-PL1-F-CMPL-WHEN USING CORRESPONDENCE DEFINING.
NL511	15.0	CIRCM-P09197-MSGIEM270I	-PL1-F-CMPL-FLAG-WHEN BUILTIN-FUNCTION-INDEX-HAS AS ARG A SUBSTR OF ARRAY ELEMNT
NL511	15.0	CIRCM-P13971-MSGIEM2707I	-PL1-F-EXEC-SUBSTR-EXPRESSION ARG 1 ,NON-CONSTANT AS ARG 2 AND NO 3RD ARG
NL511	15.0	CIRCM-P13425-MSGIEM2707I	-PL1-F-CMPL-IEMMK-BUILTIN-HBOUND,LBOUND,DIM FUNCTS-USED WITH SUBSCRPTD ARG
NL511	15.0	-P12840-MSGIEM2708I	-PL1-F-CMPL-IEMRF-STRUCTURE WAS PASSED AS ARGUMENT.
NL511	15.0	CIRCM-P12502-MSGIEM2817I	-PL1-F-EXEC-FILENAME IN -CHECK- LIST.
NL511	15.0	CIRCM-P13792-MSGIEM2888I	-PL1-F-CMPL-IEMTT-UNDEFINED LABEL MSG-POSSIBLE UNDEFINED LABEL IN -DO- STMT
NL511	15.0	CIRCM-P14773-MSGIEM3056I	-PL1-F-CMPL-FLAG-IF VARIABLE DEFINED ON QUALIFIED BASE
NL511	15.0	-P12682-MSGIEM3844	-PL1-F-CMPL-CONSTANT/IDENTIFIER-SPLIT BTWN 2 INPUT RECORDS. IEMCI--.

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CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
NL511	16.0	-P17151-MSGIEM3844I -PL1-F-CMPL-IF ARRAY IS IN AN EXPRESSION IN AN IO LIST OF A GET OR PUT STMT
NL511	15.0	CIRCM-P14690-MSGIEM3852I -PL1-F-CMPL-FLAG-IF UNSPEC,SUBSTR,OR SUBSCRPTD ARG ARE NOT ARITH ON STRING VARB
NL511	15.0	CIRCM-P11692-MSGIEM3852I -PL1-F-CMPL-IEMAS-. NO DETAILS GIVEN.
NL511	15.0	CIRCM-P12510-MSGIEM3852I -PL1-F-CMPL-IEMGU-.
NL511	15.0	CIRCM-P14133-MSGIEM3852I -PL1-F-CMPL-IEMHK-END OF TEXT BLOCK CONDITION.
NL511	15.0	-P13393-MSGIEM3852I -PL1-F-CMPL-IEMUA-DATADIRECTED IO-ILLEGAL FORMAT PARAMETERS
NL511	16.0	CIRCM-P14897-MSGIEM3852I -PL1-F-CMPL-IF PROGRAM CONTAINS LARGE NUMBER OF AGGREGATES
NL511	15.0	CRCMV-P17928-MSGIEM3852I -PL1-F-CMPL-TEXT GENERATED SPANS A TEXT BLOCK BOUNDARY GIVES MSG
NL511	15.0	CIRCM-P15503-MSGIEM3852I-PL1-F-CMPL-FLAG-WHEN UNSPEC BUILT-IN FUNCTIONS ARE CONCATENATED
NL511	16.0	CIRCM-P15334-MSGIEM3856 -PL1-F-CMPL-SUBSTR/INDEX/UNSPECIF IS ASSGND TO DATA AGGREGATE.
NL511	16.0	CIRCM-P14418-MSGIEM3856I -PL1-F-EXEC-FLAG-DURING COMPLEX MULTIPLY IF ONE OPERAND IS REAL FLOATING EXPRES
NL511	15.0	-P13162-MSGIEM3856I -PL1-F-CMPL-BATCHING PL1 COMPILATIONS.
NL511	15.0	-P12682-MSGIEM3856I -PL1-F-CMPL-CONSTANT/IDENTIFIER-SPLIT BTWN 2 INPUT RECORDS. IEMCI.
NL511	16.0	CIRCM-P12547-MSGIEM3856I -PL1-F-CMPL-DO-IF NOSTMT OPT IS SPECIFD FOR PROGRAM CONTAINING STATIC VARIABLE
NL511	15.0	CIRCM-P15503-MSGIEM3856I -PL1-F-CMPL-FLAG-WHEN UNSPEC BUILT-IN FUNCTIONS ARE CONCATENATED
NL511	15.0	CIRCM-P12508-MSGIEM3856I -PL1-F-CMPL-IEMAS-PROGCK-MACRO-OPTION SPECIFIED.
NL511	15.0	-P16343-MSGIEM3856I -PL1-F-CMPL-IEMFT-NAME USED AS ENTRY LABEL AND STRUCTURE ELEMENT BOTH.
NL511	16.0	CIRCM-P13133-MSGIEM3856I -PL1-F-CMPL-IEMFX/IEMOG-DECLARE STMTS OCCUR AT TXT BLOCK BOUNDARY.
NL511	16.0	CIRCM-P12530-MSGIEM3856I -PL1-F-CMPL-IEMOS-DO-PGK-FIXED DEC INTGR CONST IN SUBSCRIPT LIST WITH VARBLES
NL511	15.0	CIRCM-P13360-MSGIEM3856I -PL1-F-CMPL-IEMUA-PROGCKS-SIGNAL STMT-USING ODD NR LETTER.
NL511	16.0	-P14884-MSGIEM3856I -PL1-F-CMPL-LIKE ATTRIBUTE USED WITH -EXTDIO- OPTION.
NL511	15.0	CIRCM-P12398-MSGIEM3856I -PL1-F-CMPL-WITH PROGCK TYPE7-IN MODULE-IEMEI--DECLARE STMT,ILLEG RITE PAREN-.
NL511	15.0	CRCMV-P17557-MSGIEM3856I -PL1-F-EXEC-IN IEMFV AS A RESULT OF AN END OF TEXT BLOCK CONDITION
NL511	15.0	CRCMV-P17510-MSGIEM3856I -PL1-F-EXEC-WHEN PROG.CONTAINS SEVERAL DIMENSIONS,SOME WITH LOWER BOUNDS OF 0
NL511	15.0	CIRCM-P14154-MSGIEM3865I -PL1-F-CMPL-IEMAA-/ERROR IN COMPILER ABORT/MSG.2 CMPLS,BATCH,HAVE ERRS.-IEMAA-
NL511	15.0	CIRCM-P15175-MSGIEM3865I -PL1-F-CMPL-TEXT BLOCK SIZE 4K. TRY REDUCING SIZE OPTION.
NL511	16.0	-P17151-MSGIEM3944I -PL1-F-CMPL-FLAG-WHEN ARRAY IN I/O LIST HAS CONSTANT LOWER BOUND NOT EQ.TO 1
NL511	15.0	-P16649-MSGIEM3952I -PL1-F-CMPL-PARAMETER ATTRIBUTE LIST-IF GT 1 STRUCTURE ELM INHERITS ASTRISK DIM
NL511	16.0	-P12542-MSGIEM4250I -PL1-F-CMPL-FLAG-TXT OF MSG WRONG IF PRECEDED BY MSGIEM4431
NL511	15.0	12518-P12518-MSGIEM448I -PL1-F-CMPL-INCONSISTANT ERR MSGS WITH SMALL CORE SIZE.
NL511	15.0	CIRCM-P15222-MSGIEM4504I -PL1-F-CMPL-WHEN REF MADE TO SUBSTR WITHIN COMPILE TIME ITERATIVE DO LOOP
NL511	15.0	CIRCM-P14394-MSGIHE038I -PL1-F-EXEC-IEMPD-ARRAYS,STATIC EXTERNAL, OF LABEL VARBLES.
NL511	15.0	CIRCM-P14607-MSGIHE803 -PL1-F-EXEC-FLAG-IF STMT CONTAINING ARRAY REF WITH SUBSCRIPTS THAT ARE CONSTANT
NL511	15.0	CIRCM-P14607-MSGIHE804 -PL1-F-EXEC-FLAG-IF STMT CONTAINING ARRAY REF WITH SUBSCRIPTS THAT ARE CONSTANT
NL511	15.0	CIRCM-P14607-MSGIHE805 -PL1-F-EXEC-FLAG-IF STMT CONTAINING ARRAY REF WITH SUBSCRIPTS THAT ARE CONSTANT
NL511	15.0	-P16856-PL1-F-EXEC -CODE-FIXD BINARY CONSTANTS ARE USED AS ARGUMENT TO SUBSTR
NL511	16.0	CRCMV-P16784-PL1-F-EXEC -GEN-NO DDOPE VECTOR FOR STATIC EXTERNAL USED AS DEFIN BASE
NL511	15.0	CRCMV-P17926-PL1-CMPL -CODE-BAD CODE FOR SUBSTR IF PRECEDED BY MOD WITH PICTURE SECOND ARGUMENT
NL511	16.0	PUBCH-P18426-PL1-CMPL -GEN-DEFINED ATTRIB.,LNPTH OF DEF.ITEM MUST NOT BE GREATER THAN LGNTH OF BASE
NL511	16.0	CRCMV-P17994-PL1-F-CMPL -GEN-VALUES BETWEEN PLUS 1 AND MINUS 1 ARE INCORRECTLY EDITED WITH PICTURE ITEM
NL511	15.0	CIRCM-P12595-PL1-F-EXEC -CODE-ALLOCATE-CONTROLLED ADJ VARBLE USED-BAD CODE GENED.ARRAY INVOLVED.
NL511	15.0	CIRCM-P11693-PL1-F-EXEC -CODE-ARRAY-NON INTEGER CONSTANT BOUNDS-ONLY PART OF ARRAY APPEARS TO BE USED
NL511	15.0	-P12681-PL1-F-EXEC -CODE-ARRAY-STATIC,INTERN/EXTERN,COMPOSED FIXDLENGTH STRINGS.BOUNDS INCRCT.
NL511	16.0	CIRCM-P12546-PL1-F-EXEC -CODE-ARRAY-SUBSCTP RANGE COND RAISED FOR ARRAY NAME IN DATALIST NOT OUT RANGE
NL511	15.0	CIRCM-P11677-PL1-F-EXEC -CODE-ARRAY-UPPER BOUND TAKEN TO BE NEG IF LOWER BOUND IN NEG-NONINTEGER
NL511	15.0	-P11016-PL1-F-EXEC -CODE-BEGIN BLOCK-IN RECURSIVE PROCEDURE-INCRCT EXECUTION OCCURS.
NL511	16.0	CIRCM-P15037-PL1-F-EXEC -CODE-BITSTRING-BIT OFFSET WRONG IN SOV OF NON-ADJUSTABLE ARRAY
NL511	16.0	-P15690-PL1-F-EXEC -CODE-BITSTRING-IF 2 BITSTRING COMPARED,ERRS IF 1ST MULTIPLE OF 8,2ND IS LESS.
NL511	15.0	CIRCM-P15237-PL1-F-EXEC -CODE-BITSTRINGS-OF FIXED,UNEQUAL LENGTH LT 2048 USED WITH & OR 1 OPERATIONS
NL511	16.0	-P14341-PL1-F-EXEC -CODE-CONVERSION ERR RAISED.-IHEVQB-DIGIT PSNS IN MANTISSA GT 16 DIGITS.
NL511	16.0	CIRCM-P14745-PL1-F-EXEC -CODE-DO-STMTS WITH EXPRESSIONS INVOLVING THE CONTROL VARIABLE
NL511	16.0	CIRCM-P15535-PL1-F-EXEC -CODE-DO LOOP-ARRAY- CALC UPPER LIMIT OF SINGLE DO IS BTWN 32707 & 65534.
NL511	15.0	-P13986-PL1-F-EXEC -CODE-ENDPAGE-COLUMN FORMAT ADDITIVE WHEN RETURN FROM-ENDPAGE ON UNIT-.
NL511	16.0	CIRCM-P15093-PL1-F-EXEC -CODE-ENTRY-BAD STMT NUMBERS BTWN ENTRY STMT AND NEXT STMT LABEL.
NL511	16.0	CIRCM-P15028-PL1-F-EXEC -CODE-FORMAT-IF 1ST STMT IN PROCEDURE IS REMOTE FORMAT STATEMENT.
NL511	16.0	CIRCM-P14896-PL1-F-EXEC -CODE-FORMAT-PACKED OR UNALIGNED FOR EDIT DIRECTED I/O-OVERWRITES WORKSPACE
NL511	15.0	-P11219-PL1-F-EXEC -CODE-GET-WHEN DATA CONSISTS OF-GET-STMT CONTAINING FUNCTION,NO MSG GIVEN

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CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
NL511	16.0	-P14751-PL1-F-EXEC	-CODE-LABEL IN -DO- GROUP NOT FLAGGED IF REFERENCED IN -GOTO-STMT.
NL511	16.0	17152-P17152-PL1-F-EXEC	-CODE-MOD-FUNCTIONS-GIVES BAD RESULTS WITH FLOAT ARGUMENTS WHEN FLOAT PT EC ON
NL511	15.0	-P15475-PL1-F-EXEC	-CODE-NAMECARDS-NOT GEN WHEN PROCESSING BATCH WITH MACRO OPTION SPECIFIED.
NL511	15.0	-P11691-PL1-F-EXEC	-CODE-ON CONDITION-.INVALID FLD-OVERFLOW-HANDLED AS -ON ENDPAGE-.
NL511	15.0	CIRCM-P11696-PL1-F-EXEC	-CODE-OPERATOR PRIORITY-CONCATEN OPERATOR GIVEN WRONG PRIORITY.
NL511	15.0	CIRCM-P11008-PL1-F-EXEC	-CODE-PICTURE-ZERO CHARS INSTEAD OF -SUPPRESS CHARS- ERRONEOUS SET IN VARIABLE
NL511	15.0	CIRCM-P11690-PL1-F-EXEC	-CODE-PROLOG -N-T-AL-Z FAILS-OPT EQ 01,NESTED-BEGIN-BLKS,NO-CALL/ARG-LISTS.
NL511	16.0	CIRCM-P14313-PL1-F-EXEC	-CODE-QUESTIONMARK-INCRCTLY XLATED TO COMPILER INTERN CODE FROM SOURCE CODE
NL511	15.0	CIRCM-P14621-PL1-F-EXEC	-CODE-READ IGNORE-CAUSES DEAD RECS TO BE RETAINED IN CORE.
NL511	15.0	CIRCM-P12517-PL1-F-EXEC	-CODE-RECURSION-UNPREDICT RESULTS.OPT EQ 1 CMPL,LOWEST BLOCK DSA LT 512 BYTES.
NL511	15.0	CIRCM-P13196-PL1-F-EXEC	-CODE-STATIC VARBLE ARRAY WITH PICTURE ATTRIBUTE,INITIALIZED MORE THAN 1-CE
NL511	15.0	CIRCM-P13679-PL1-F-EXEC	-CODE-SUBSCRPTRANGE-ERROR-TEST OF SUBSCRPTRANGE ERRS ON ARRAY SUBSCRPT EXPRESN
NL511	15.0	CIRCM-P14264-PL1-F-EXEC	-CODE-SUBSTRING-INCRCT RESULTS OPERATING ON BIT STRING.-IEMIM-
NL511	15.0	CIRCM-P12527-PL1-F-EXEC	-CODE-ZERODIVIDE-FALSE-MOD FUNCT USED,FIXED DEC ARGUMENTS OF EVEN PRECISION
PROSE	15.0	TREST-X12202-ABEND	-CNTRLPRG-MVT-SCHED-WARMSTART-IF QUEUE SPACE IS IN CERTAIN ORDER
PROSE	15.0	TREST-X14005-ABEND	-CNTRLPRG-MVT-SUPVSR-SYSTEM FAILURE CAUSES WRITER ABEND
PROSE	16.0	TREST-X12005-ABEND	-GEN-TSTRAN-CAUSED BY LOAD OPTION
PROSE	15.0	TREST-X14014-ABEND	-GEN-UTIL-IEBEDIT-IF UNSUFFICIENT CORE
PROSE	16.0	TREST-X14001-ABEND	-SYSGEN-NUCLEUS/PROCESSOR-CAUSED BY INCORRECT DECK
PROSE	15.0	TREST-X12183-ABENDF11	-CNTRLPRG-MVT-SCHED-IF USER CATALOG PROC HAS ZERO REGION SIZE SPECIFIED
PROSE	15.0	TREST-X11025-ABENDOCX	-CNTRLPRG-MFT/PCP-SCHED-CHKPT-IF GT 99 CHECKPOINT TAKEN AND DISP EQ MOD
PROSE	16.0	TREST-X12201-ABENDOC4	-CNTRLPRG-MVT-SUPVSR-CANT TRACE GETMAIN/FREEMAIN/GETPOOL/FREEPOOL WITH TESTRAN
PROSE	16.0	TREST-X14013-ABENDOC5	-CNTRLPRG-MFT/PCP-SCHED-CAUSED BY BLANK CONTINUATION CARD
PROSE	16.0	TREST-X14030-ABENDOC5	-CNTRLPRG-MVT-SCHED-IF START RDR TO MULTIPLE UNITS
PROSE	16.0	TREST-X12031-ABENDOC5	-CNTRLPRG-MVT-SCHED-IF SYSOUT,VOL EQ REF DSNAME ARE ON SAME DD STMT
PROSE	16.0	TREST-X14011-ABENDOC5	-CNTRLPRG-MVT-SCHED-OVERRIDE CARDS CANT BE FOLLOWED BY COMMENTS CARDS
PROSE	16.0	TREST-X14017-ABENDOC5	-GEN-UTIL-IEHPRG-IF VOLUME TO BE USED IS NOT MOUNTED
PROSE	15.0	TREST-X13042-ABENDOC5	-GEN-UTIL-IEHPRGM/IEHMOVE-RENAME FUNCTION ABENDS FOR DATA SET ON 2321
PROSE	15.0	TREST-X14025-ABENDOC5	-PL1-F-EXEC-IEHJOB-ENDFILE CONDITION RAISED ON EDIT DIRECTED TRANSMISSION
PROSE	16.0	TREST-X14020-ABEND002	-FOR-H-EXEC-IF SIZE PARM IS GT 220K AND SYSUT2 ON 2311
PROSE	15.0	TREST-X13029-ABEND0086	-CNTRLPRG-MFT/PCP-SCHED-IF WTOR OUTSTANDING AT STEP TERM
PROSE	15.0	TREST-X13025-ABEND031	-PL1-F-IF PRIME AREA IS FULL WHEN CREATING ISAM DS AND DS IS THEN CLOSED
PROSE	15.0	TREST-X12088-ABEND200	-CNTRLPRG-MFT/PCP-DATAMGMT-IF ERROPT EQ ACC AND ERROR OCCURS
PROSE	16.0	TREST-X14029-ABEND222	-CNTRLPRG-MFT/PCP-SCHED-FALSE SYSTEM ABEND 222
PROSE	15.0	TREST-X12088-ABEND400	-CNTRLPRG-MVT-DATAMGMT-IF ERROPT EQ ACC AND ERROR OCCURS
PROSE	15.0	TREST-X14033-ABEND806	-TP-BTAM-INVALID OPERATION.CMD REJECT.BTAM BSC.
PROSE	15.0	TREST-X11048-ALG-CMPL	-GEN-COMPILER DOESNT FUNCTION IF SYSRES AND WORFILES ARE ON DIFFERENT DEVTYPE
PROSE	16.0	TREST-X12006-ASM-F-ASSY	-GEN-TESTRAN-MVT DOES NOT SUPPORT TESTRAN MAP
PROSE	15.0	TREST-X13002-CBL-E-CMPL	-GEN-INTERMEDIATE DS CANNOT BE ASSIGNED TO 2321
PROSE	15.0	TREST-X11051-CBL-E-EXEC	-CODE-INVALID KEY REQUIRED FOR ALL DATA SETS AND WRITE STMTS WITH INDEXD ORG
PROSE	16.0	TREST-X13024-CBL-F-CMPL	-GEN-PROBLEMS WITH BUFND IN DCB PARM WITH MVT READER PROC.
PROSE	16.0	TREST-X12110-CNTRLPRG	-MFT/PCP-DATAMGMT-CATALOG OF GDG THAT ALREADY EXIST RESULTS IN RECATALOG
PROSE	16.0	TREST-X14032-CNTRLPRG	-MFT/PCP-DATAMGMT-SYNDAF BUFFER MAY CONTAIN MEANINGLESS INFO
PROSE	15.0	TREST-X13031-CNTRLPRG	-MFT/PCP-GEN-IPL-PARTITION SIZE SPEC AT IPL MUST BE LARGE ENOUGH FOR SCHED
PROSE	16.0	-X15025-CNTRLPRG	-MFT/PCP-IF NUMBER ASSIGND AS JOB CLASS DURING PARTITION DEFINITION,NO DIAN.
PROSE	15.0	TREST-X12205-CNTRLPRG	-MFT/PCP-SCHED-ALLOC-PRESRES VOL MARKED AS STORAGE-MAY NOT ALLOCATE
PROSE	15.0	TREST-X11026-CNTRLPRG	-MFT/PCP-SCHED-CHKPT-MAY ONLY BE TAKEN IN LOWEST PRIORITY PARTITION
PROSE	15.0	TREST-X11018-CNTRLPRG	-MFT/PCP-SCHED-CHKPT-WHEN USING MOD FOR MULTI-CHKPTS-CHECKPOINT NUMBER IS WRONG
PROSE	15.0	TREST-X11017-CNTRLPRG	-MFT/PCP-SCHED-CHKPT-WHEN USING MOD FOR MULTI-CHKPTS-UNLABELED TAPE REQUIRED
PROSE	15.0	TREST-X11023-CNTRLPRG	-MFT/PCP-SCHED-CHKPT/RSTRT-JOBS IN OTHER PARTITIONS EFFECT RESTART
PROSE	16.0	TREST-X14012-CNTRLPRG	-MFT/PCP-SCHED-SYMBOLIC PARMS IN JCL STMTS MAY BE NULLIFIED
PROSE	16.0	TREST-X14016-CNTRLPRG	-MFT/PCP-SCHED-SYSOUT WTR MAY NOT OUTPUT LAST FEW LINES
PROSE	15.0	TREST-X11030-CNTRLPRG	-MFT/PCP-SCHED-VOL EQ REF EQ DSNAME CAN ONLY BE USED IF DS CATALOGED
PROSE	15.0	TREST-X12193-CNTRLPRG	-MVT-DATAMGMT-PROCESSOR BLOCK NOT DOCUMENTED-BLOCK AND DCB PARMS
PROSE	15.0	TREST-X14015-CNTRLPRG	-MVT-GEN-CMD-DA-GIVES EXTRANEIOUS INFORMATION
PROSE	15.0	TREST-X12182-CNTRLPRG	-MVT-GEN-CMD-DA-INVALID LINE OF PRINT IF RDR,WTR, & INIT ARE IN TERM. PROCESS
PROSE	15.0	TREST-X12192-CNTRLPRG	-MVT-SCHED-ALLOC-DA PUBLIC SPACE REQUESTS ALLOCATED TO ONLY 1 PUBLIC DA DEVICE

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CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
PROSE	15.0	TKEST-X12196-CNTRLPR0G -MVT-SUPVSR-WHEN LOADING MODS IEFSD061 & IEFSD062 TO LPA MUST LOAD ALIASES
PROSE	15.0	TKEST-X13012-DUMP -ABDUMP-PREFACE OF DUMP MISSING IF DUMING TO TAPE
PROSE	15.0	TKEST-X14031-FOR-G-CMPL -LIST-INTERNAL STMT NUMBERS NOT FORMATTED PROPERLY
PROSE	16.0	TKEST-X14010-IO -GEN-UTIL-IEBEDIT-MAY NOT BE INVOKED BY LINK/CALL
PROSE	15.0	TKEST-X12173-IO -GEN-UTIL-IEBTPCH-USE PERFORM EQ A FOR MCH CHAR & PERFORM EQ M FOR ASA CHAR
PROSE	16.0	TKEST-X14023-IO -GEN-UTIL-IEHPR0GM-SCRATCH VT0C SYS-DONT WORK ON MVT FOR NEW SYSTEM NAMES
PROSE	15.0	TKEST-X14028-IOCONSOLE -GEN-RECOVERY FROM MALFUNCTION NOT DOCUMENTED
PROSE	15.0	TKEST-X11002-IOGRAPHICS -GEN-GRAPHICS SAMPLE PROGRAMS HAVE JCL ERROR
PROSE	15.0	TKEST-X12204-LKED-E44 -GEN-ALIASES IEWL AND LINKEDIT ARE ASSIGNED TO E44 AND NOT HIGHEST EDITOR
PROSE	15.0	TKEST-X12112-LOOP -CNTRLPR0G-MVT-SUPVSR-DISABLED LOOP IF IBM SVC ISSUED IS NOT IN SYSTEM
PROSE	15.0	TKEST-X12079-LOOP -CNTRLPR0G-MVT-SUPVSR-WHEN DETACHING AN INCOMPLETE SUBTASK WITH ETRX PARM SPEC
PROSE	15.0	TKEST-X13026-LOOP -PL1-F-EXEC-CLOSING ISAM FILE WITH NO RECORDS
PROSE	15.0	TKEST-X13038-MSG -CNTRLPR0G-IEAQBK-PRODUCE 0 SEVERITY MNOTE MSG DURING SYSGEN
PROSE	16.0	TKEST-X12121-MSG -CNTRLPR0G-MFT/PCP-MOUNT MSG-CORRECT TAPE MUST BE MOUNTED IN RESPON TO MSG
PROSE	16.0	TKEST-X14003-MSG -CNTRLPR0G-MFT/PCP-SCHED-ALLOC RECOVERY MSG FOR 2321 CONTAIN XTRA INFO
PROSE	16.0	TKEST-X14002-MSG -CNTRLPR0G-MFT/PCP-SCHED-JOB ENDED MSG MAY NOT APPEAR ON CONSOLE IF JCL ERROR
PROSE	15.0	TKEST-X12175-MSGIEF241I -CNTRLPR0G-MVT-SCHED-IF PERM RESIDENT DEVICE RAISED OFF-LINE
PROSE	16.0	TKEST-X14004-MSGIEF244I -CNTRLPR0G-MVT-SCHED-IF SAME TAPE REQUESTED BY DIFFENT JOBS
PROSE	16.0	TKEST-X12171-MSGIEF272I -CNTRLPR0G-MFT/PCP-SCHED-IF JOB CANCELLED WHILE ON JOBJQ
PROSE	15.0	TKEST-X12119-MSGIEF383D -CNTRLPR0G-MVT-SCHED-HAS FORM NUMBER OF MORE THAN 4 CHARACTERS
PROSE	16.0	TKEST-X13040-MSGIEH419I -GEN-UTIL-IEHMOVE-MEANS DATA SET MARKED NOT MOVABLE
PROSE	16.0	TKEST-X14021-MSGIEY010I -FOR-G-CMPL-CONSTANT-COMPLEX-IF IT SPANS 2 DATA RECS ON SOURCE INPUT
PROSE	16.0	TKEST-X14022-MSGIEY013I -FOR-G-CMPL-IF STMT OR IMPLICIT WITH LETTER I CAUSE PROBLEMS
PROSE	15.0	TKEST-X13007-PL1-F-EXEC -CODE-CLOSE-FAILS TO PURGE EVENT WITH READ & EVENT OPT AFTER ENDFILE
PROSE	16.0	TKEST-X14019-PL1-F-EXEC -CODE-EDIT-WITH E FORMAT ITEMS MAY FAIL UNPREDICTABLE
PROSE	15.0	TKEST-X13009-PL1-F-EXEC -CODE-KEYTO OPTION-SEQUENTIAL KEYED FILE-LENTH OF KEYTO STRING PAD WITH BLANKS
PROSE	15.0	TKEST-X13027-PL1-F-EXEC -CODE-UPDATE-DIRECT-EVENTS MUST BE WAITED ON IN ORDER OF INITIATION
PROSE	15.0	TKEST-X11071-RPG-EXEC -CODE-LABEL-EXIT 4E-IN COL 52 OF FILE DESCRIPTION SECTION-NOT SUPPORTED BY OS
PROSE	15.0	TKEST-X11072-SORTS -GEN-CHKPT/RESTART-SUPPORTS 2311/2301 FOR SYSRES
PROSE	16.0	TKEST-X14009-SYSGEN -COBOL MACRO MUST SPECIFY BUFSIZE AT SYSGEN
PROSE	15.0	TKEST-X14018-SYSGEN -TIMER OPTIONS FOR MVT/MFT QTAM MAY INCLUDE JOBSTEP
PROSE	16.0	TKEST-X12062-SYSGEN -USE OF MVT AS DRIVER FOR SYSGEN NOT SUPPORTED
PROSE	15.0	TKEST-X12057-SYSGEN-STG2 -IECTRMT,IEFHPTCH,IEFPPTCH, & IEFXV001 APPEAR AS UNRESOLVED SYMBOLS
PROSE	16.0	TKEST-X12187-TP-QTAM -GEN-DUMP TABLE DOES NOT DUMP MVT EXTENSION TO TCB
PROSE	15.0	TKEST-X13046-TP-QTAM -GEN-QTAM JOB CANT BE CANCELLED WHEN MSG PROCESS PGMS RUNNING
PROSE	15.0	TKEST-X13043-WAIT -GEN-OLTEP-UNITS RUNNING ON TAPE DRIVES VARIED OFF-LINE CAUSES HANGUP
PROSE	16.0	TKEST-X14024-WAIT -TP-QTAM-IF TCV LINE FOR QTAM IS INOPERATIVE
PROSE	15.0	TKEST-X12081-WAITF03 -CNTRLPR0G-MFT/PCP-SCHED-IF CATALOG VOL NOT PERMANENTLY MOUNTED
PROSE	16.0	TKEST-X12084-WAITF03 -CNTRLPR0G-MVT-SCHED-IF SET DATE ENTER WHILE FORMATTING SYS1.JOBQE
PROSE	15.0	TKEST-X12170-WAITF03 -CNTRLPR0G-MVT-SCHED-IF WTOR RECEIVED BY JOB IN ABEND CONDITION
PROSE	15.0	TKEST-X12049-WAITF11 -CNTRLPR0G-MVT-SUPVSR-IF REGION GT 32767K IS SPECIFIED
PROSE	15.0	TKEST-X12097-WAIT005 -CNTRLPR0G-MFT/PCP-GEN-NIP-IF L PARM KEYED IN AND COMPOSITE CONSOLE SPEC
PT506	16.0	-P16530-MSGIEG06 -GEN-TSTRAN-TERMINATES AFTER PRINTING 100 PAGES OF OUTPUT
PT516	15.0	-P14292-ABEND -GEN-TESTRAN-ALTERED REG 1 DUR TRACEFLOW OF -EXECUTE- INSTRUCTION
PT516	16.0	CIRCM-P14074-ABEND0C1 -GEN-TSTRN-EDITOR INCORRECTLY MODIFIED ONE OF ITS INSTRUCTIONS
PT516	15.0	-P12358-ABEND30A -TESTRAN-TRACING OVER -GETMAIN- MACRO IN PROB PROG.
PT516	16.0	-P16642-ASM-F-ASSY -LIST-TSTRAN-INCORRECT AND INCOMPLETE HEADINGS GIVEN AFTER USE OF TSTRAN MACROS
PT516	16.0	12290-P12290-MSGIEGE14 -GEN-TESTRAN-IOERR MSG PRINTS WHEN TESTRAN EDITOR EXECUTED.
PT516	15.0	-P13291-SERVAID -TESTRAN-TEST AT INSTRUCTN AT -EXECUTE-ADDR CAUSES INSTR AT-BR-ADDR EXEC WRONG
RG038	15.0	-P13029-ABEND -RPG-CMPL-SYSUT1 & SYSUT2 WITH SPLIT CYL ALLOCATIONS.
RG038	15.0	CIRCM-P11577-ABENDOCX -RPG-CMPL-WHEN EXTERNAL FIELDS ARE SPEC & ADDR OF FIELD IS 10+ ON TXT CARD
RG038	16.0	-P14923-ABENDOCX -RPG-CODE-MATCH FIELDS-PRI AND SEC FILES,PRI FILE SPECIF IN DUMMY DD STMT.
RG038	16.0	-P16910-ABEND024 -RPG-CMPL-WHEN TRYING TO COMPILE SAMPLE PROG
RG038	15.0	-P13142-IO -RPG-CMPL-IDSYSIN-RPG WONT ACCEPT SYSIN AS BLOCKED FORMAT.
RG038	15.0	-P14261-IOPTR -RPG-DATACHK-UCS-DURING CMPL OF PR0G USING EDIT WORD CHARACTERS.
RG038	15.0	CIRCM-P14278-IOPTR -RPG-EXEC-PAGE COUNT INCRCCTLY PRINTS WITH 7 INSTD OF 4 CHARS.
RG038	15.0	CIRCM-P13369-IORDR -RPG-RECBAD-INPUT-2501/2520/1442,DOUBLE BFRS ASSIGNED AT OPEN TIME.BAD RECS.

REL-15.0-THRU-16.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
RG038	15.0	CIRCM-P14421-IORDR/PCH -GEN-STKSELECT-QSAM-ONLY 1 BFR MAY BE SPECIFIED FOR STACKER SELECTING.
RG038	15.0	-P14279-LOOP -RPG-CMPL-IO-OUTPUTTING 124 BYTE REC TO WORKFILE TILL NO MORE XTENTS AVAILABLE
RG038	15.0	11578-P11578-LOOP -RPG-EXEC-IF GT 4096 BYTES ARE REQUIRED FOR CODING TO ASSEMBLE 1 OUTPUT STMT
RG038	15.0	-P14275-MSG106 -RPG-CMPL-SEARCH ARG UNPACKED, TABLE IS PACKED.ERRONEOUS MSG.NOTE 106.
RG038	15.0	-P14276-MSG136 -RPG-CMPL-FIELD NAME CONTAINS SPECIAL CHAR. NOTE132 WILL BE CHANGED TO REFLECT.
RG038	15.0	-P13277-RPG-CMPL -GEN-REGION SIZE ON CATALOG PROCS WRONG
RG038	16.0	-P15050-RPG-EXEC -CODE-BRANCH-DOES NOT BRANCH FROM DETAIL CALCS TO TOT CALCS
RG038	16.0	CIRCM-P14855-RPG-EXEC -CODE-LITERAL-FAIL TO DISTINGUISH BETWEEN 2 IDENTICAL NUM LITERALS OF DIFF LGTH
RG038	15.0	-P14277-RPG-EXEC -CODE-RESULT FIELD-CONTAINS NONLEADING BLANK- NO CMPLER DIAGNOSTIC GVN.
RG038	15.0	-P14272-RPG-EXEC -CODE-SPACE/SKIP-BEFORE PRINT SPEC-LAST DETAIL LINE NOT PRINTED BEFORE ABTERM
RG038	16.0	CIRCM-P16160-RPG-EXEC -CODE-ULABL-CALC OPERATION CAN GEN INCORRECT ADCON LENGTH.
RG038	15.0	CIRCM-P11579-RPG-EXEC -GEN-WHEN BREAK IS CONDITIONED OF CONTROL FIELD OF INPUT REC-TOTALLINE NOTPRINT
RG038	16.0	-P15026-RPG-EXEC -SAMPROG-MEMBER RPSGML CONTAINS 4 DD CARDS TO OVERRIDE DD CARDS IN PROC
SM023	15.0	-P13018-ABENDOC4 -SORTDASD-IERRCK-REG 3 HAS ADDRESS OF ZEROS. DEBLOCKING ROUTINE.
SM023	16.0	15067-P15067-ABENDOC5 -SORTAPE-IERROB-OSCILLATING-MVC INSTRUCTION IN IERROX OVLYS 3 INST IN IERROB
SM023	15.0	-P13200-ABENDOC5 -SORTAPE-IDERRON-OSCIL-LARGE OSCIL SORT-DCB POINTER WRONG AT END 7 REEL INPUT.
SM023	15.0	14020-P14020-ABENDOC9 -SORTS-IERRCI-SORT LINKED/ATTACHED-NO BLOCK FACTOR GIVEN TO SORT
SM023	15.0	-P13284-ABENDOF2 -SORTS-PTF10998-RBS OVERLAID IF PTF APPLIED.
SM023	15.0	13770-P13770-ABEND0614 -SORTDASD-IER8PM WHILE CLOSE ATTEMPTS TO WRITE EOF REC ON LAST TRK OF WORK DS
SM023	15.0	12953-P12953-ABEND80A -CBL-X-EXEC-TRYING TO LINK TO SORT.SORT WORKFILE-DEBS-NOT FREED FROM PREV USAGE
SM023	15.0	-P14220-ABEND800 -SORTAPE-OSCILL-TRYING TO READ & WRITE ON SAME TAPE.
SM023	16.0	-P16798-ABENOC6 -SORTS-IERROA-USING FIXED LENGTH RECS WITH G DIVISIBLE BY 3 & FILESIZE 2 LT G
SM023	16.0	-P16460-LOOP -SORTDASD-IERRCI-IF SORTIN/SORTOUT ON DA AND DCB PARMS NOT SPEC ON DD CARD
SM023	15.0	CIRCM-P13612-MSG -SORTS-/SYSTEM ABEND ERR/NO ABEND OUTPUT/MSG. DEB OVERLAID.INERCT BLKSIZE CALC.
SM023	16.0	RESTR-P16846-MSG -SORTS-IERRCE-DS SORT DOES NOT IGNORE VALID DOS SORT PARMS-TERMS SORT WITH MSG
SM023	16.0	16097-P16097-MSGIER039A -SORTAPE-POLYPHASE-200K ALLOCATED, 11K RECS ABORTED.INSUF CORE MSG OCCURS.
SM023	15.0	-P12791-MSGIER061A -SORTS-EXIT E19-UNRECOVERABLE WRITE ERROR
SM023	15.0	-P13370-SORTAPE -SORT-EXIT E15-LOSES TRACK OF RECORD GOING FROM SORT TO MERGE.-OSCIL SORT-.
SM023	16.0	15774-P15774-SORTAPE -SORT-EXIT E25-BAD REC POINTER PASSED TO EXIT IF FWD BLKING USED.
SM023	16.0	-P15374-SORTDASD -SORT-EXIT E25-RESULTS IN IMPROPER OUTPUT.
SM023	16.0	-P16155-SORTDASD -SORT/MERGE-EXIT-E61-INCRCT CONTROL FIELD NUMBER PASSED TO USER.
SM023	15.0	-P13771-SORTS -GEN-CNTRLCARD-OMITTED COMMA CAUSES NEXT CARD ALT AS COMMENTS CARD
SM023	15.0	-P14282-SORTS -GEN-SYSGEN-3 MODULES OMITTED WHEN 2311 NOT SPECIF. IERRCK,IERRCJ,IERA01
UT506	16.0	13341-P15666-ABEND -GEN-IDERR-SYSUT2-RESULT OF IEBUPDTE TRYING TO TERMINATE FOR UNKNOWN REASON.
UT506	15.0	13599-P14028-ABEND -GEN-UTIL-IEBGENER-COPY-DA TO TAPE IF DS HAS KEYS
UT506	15.0	14942-P14942-ABENDD37 -GEN-UTIL-IEHMOVE-DOESNT ALLOC ENOUGH SPACE FOR WORK FILES
UT506	16.0	-P13606-ABENDF20 -GEN-UTIL-IEHMOVE-MOVE-EXECUTING OVLY PGM WHICH WAS MOVED BY IEHMOVE
UT506	15.0	15200-P15200-ABENDOCX -GEN-UTIL-IEBUPDTE-CLOSE-SUSUT1 AND SYSVT2 DCBS.
UT506	15.0	-P14238-ABENDOC3 -GEN-UTIL-IEHMOVE-MOVE/COPY-INPUT & OUTPUT DS,RECFORM EQ V.
UT506	16.0	--P12445-ABENDOC4 -GEN-UTIL-IEBCOPY-WHEN MAXNAMES PARM IS LT THE ACTUAL NR OF NAMES
UT506	15.0	15200-P13943-ABENDOC4 -GEN-UTIL-IEBUPDTE-UPDATE EQ INPLACE-SYSUTI DS NOT OPENED
UT506	15.0	-P15307-ABENDOC5 -GEN-UTIL-ADDING MEMBER TO PARTIT DS ON 2311 FROM SEQNTL 9TK TDU.
UT506	16.0	CIRCM-P15245-ABENDOC5 -GEN-UTIL-IEBISAM-WHEN LINKING TO RTNE REPEATEDLY VIA SAME LINK MACRO.
UT506	15.0	15200-P13511-ABENDOC5 -GEN-UTIL-IEBUPDTE-COL EQ 01 SPECIFIED IN CONTROL CARD.
UT506	16.0	-P16412-ABENDOC6 -GEN-UTIL-IEBGENER-CREATING DS,RECFORM EQ V OR VB.
UT506	15.0	-P13660-ABENDOC6 -GEN-UTIL-IEHINITT-SYSPRINT DD CARD OMITTED.
UT506	15.0	-P15679-ABENDOC6 -GEN-UTIL-IEHPRGM-SCRATCHING -DS- ON 2321.
UT506	16.0	-P14675-ABEND001 -GEN-UTIL-IEBTPCH-PRINT-SYSPRINT DECB CONTAINED EXTRANEIOUS DATA.
UT506	16.0	-P14398-ABEND002 -GEN-UTIL-IEBCOPY-COPY-IF TRKSIZE LT BLKSIZE AND TRKOFW SPEC FOR SYSUT2
UT506	15.0	-P12574-ABEND506 -GEN-UTIL-IEHMOVE-DCBE0BR FLD NOT CMPLETED.PSN HEX10 OVERLAID INSTEAD.
UT506	15.0	-P15661-IO -GEN-UTIL-IEBGENER-IOERR-WLR-WITH PTF 13599 INSTALLED.
UT506	16.0	-P17263-IO -GEN-UTIL-IEBISAM-FAILS TO CHANGE DCB PARMS OF OPTCD-NTM,CYOFL-SPEC ON SYSUT2DD
UT506	16.0	-P17067-IO -GEN-UTIL-IEBISAM-TERM.W/OUT DIAG.IF SYSUT1 OR 2 DD CD.OMITTED FROM JCL
UT506	15.0	BYPAS-P10033-IO -GEN-UTIL-IEBTPCH-DOESNT DIAGNOSE MISSING EQ SIGN IN FIELD PARM
UT506	15.0	-P13718-IO -GEN-UTIL-IEBTPCH-DOUBLE APOST MAY NOT PRINT AS SINGLE APOST FOR PRINTING.
UT506	15.0	-P12885-IO -GEN-UTIL-IEBTPCH-IDENT STMT-LAST GROUP IDENTIF PRINTS ONLY 1 REC FM GROUP
UT506	16.0	CIRCM-P14364-IO -GEN-UTIL-IEBTPCH-IGNORES CONTROL STMT RECORD FIELD EQUAL 80

REL-15.0-THRU-16.0 DS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0652 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
UT506	16.0	-P12461-IO	-GEN-UTIL-IEBTPCH-PREFORM OPTION-BFRS NOT CLEARED WHEN-PREFORM-USED.
UT506	15.0	-P13173-IO	-GEN-UTIL-IEBTPCH-PREFORM-FAILS TO PRINT VARLNTH RECS 125 BYTES LONG.
UT506	15.0	-P13695-IO	-GEN-UTIL-IEBTPCH-TITLE STMT-NO MSG GIVEN IF IMPROPER CONSTRUCTION.
UT506	15.0	15200-P14159-IO	-GEN-UTIL-IEBUPDTE-CD/DK-UPDATE IN PLACE ON LAST BLK WRONG.APPEARS TO RUN OK.
UT506	16.0	13341-P13341-IO	-GEN-UTIL-IEBUPDTE-CONTROL CARDS-OBSOLETE FORMATTED CARDS STILL ACCEPTED.
UT506	15.0	15200-P12737-IO	-GEN-UTIL-IEBUPDTE-DELETE-FOLWNG NUMBER CMD,FAIL DETETE RECS CRCTLY.
UT506	15.0	-P14901-IO	-GEN-UTIL-IEBUPDTE-DELETES A RECORD FOLLOWING AN INSERT
UT506	15.0	-P14718-IO	-GEN-UTIL-IEBUPDTE-DELETES 1-ST RECORD OF A MEMBER ERRONEOUSLY.AFTR FLUSH.
UT506	15.0	15200-P13628-IO	-GEN-UTIL-IEBUPDTE-INVOKED-FAILS TO RETURN TO CALLING PROGRAM
UT506	15.0	15200-P14696-IO	-GEN-UTIL-IEBUPDTE-IDERR-UPDATING IN PLACE, IDERR ON SYSUT1.
UT506	15.0	15200-P13083-IO	-GEN-UTIL-IEBUPDTE-POUND,ATSGN,DLRSIGN,NOT ACCEPTD AS VALID MEMBER NAMES
UT506	15.0	CIRCM-P14919-IO	-GEN-UTIL-IEHMOVE-DOES CHECK FOR SYSUDUMP DD STMT-PUT DUMP ON SYSOUT DS
UT506	15.0	11841-P11841-IO	-GEN-UTIL-IEHMOVE-MOVE CATALOG-GDG NAMES NOT ACCEPTD-/INDEX LVL 8 CHARS LONG
UT506	15.0	CIRCM-P13043-IO	-GEN-UTIL-IEHMOVE-MOVE/COPY-OK/TP-CREATION DATE/EXP DTE,ON RETPD NOT PUT INHDR1
UT506	16.0	14854-P14854-IO	-GEN-UTIL-IEHMOVE-MOVE/COPY-GDG INDEX WITHIN CATALOG IS LOST.
UT506	16.0	-P15219-IO	-GEN-UTIL-IEHMOVE-NOT PROPERLY UNLOAD KEYED RECS FROM PARTITIONED -DS-
UT506	15.0	CIRCM-P11513-IO	-GEN-UTIL-IEHPRGM-RENAME-GVS RETURN CODE-8- AFTR SUCCESSFUL RENAME OP.
UT506	15.0	-P18003-IO	-GEN-UTIL-IEHPRGM-SCRATCH-INCORRECT RETURN CODE OF
UT506	16.0	-P16696-IO	-GEN-UTIL-UPDATING A MEMBER BLOCKED 1680 BY 80,THE FIRST BLOCK IS DUPLICATED
UT506	16.0	-P14323-MSG	-GEN-UTIL-IEHMOVE ATTEMPT TO PRINT MORE VOL SER NOS THAN ACTUALLY EXIST
UT506	15.0	-P11815-MSG	-GEN-UTIL-IEHMOVE-COPY SYSCTLG ON 2314-BAD RETURN CODE GVS MSG.
UT506	15.0	CIRCM-P14360-MSG	-GEN-UTIL-IEHMOVE-COPY-ERRONEOUS-WHEN MERGING 3 PROCLIBS AS OUTPUT FROM 2NDCOPY
UT506	15.0	-P12762-MSG	-GEN-UTIL-IEHMOVE-UNDOC & UNNUMBERED MSG. UTIL FOUND UNFORMATTED TRK FROM FORT
UT506	15.0	-P13599-MSGIEB111	-GEN-UTIL-IEBGENER-WILL NOT COPY OR CREATE DATA SET WITH RECFM EQ U OR V
UT506	15.0	-P13599-MSGIEB308I	-GEN-UTIL-IEBGENER-WILL NOT COPY OR CREATE DATA SET WITH RECFM EQ U OR V
UT506	16.0	-P14055-MSGIEB411I	-GEN-UTIL-IEBTPCH-IF DD ENTRY IN TIOT IS GT 20 BYTES.
UT506	15.0	15200-P13185-MSGIEB505I	-GEN-UTIL-IEBUPDTE-/CONTROL CARD ERROR/MSG ERRONEOUSLY GIVEN.
UT506	16.0	-P16434-MSGIEB505I	-GEN-UTIL-IEBUPDTE-IF ADDING MORE THAN 1 MEMBER TO PDS DEFINED BY SAME DD CARD
UT506	15.0	-P12752-MSGIEH307I	-GEN-UTIL-IEHMOVE-PASSES COMPLTN CODE -4- INSTEAD -8- WHEN MSG GIVEN.
UT506	15.0	-P12752-MSGIEH308I	-GEN-UTIL-IEHMOVE-PASSES COMPLTN CODE -4- INSTEAD OF -8- WHEN MSG GIVEN.
UT506	16.0	-P14173-MSGIEH401I	-GEN-UTIL-IEHMOVE-MOVE-MSG OVERLAYS REASON.TRYING MOVE PDS TO NONEXISTANT DS.
UT506	16.0	-P16974-MSGIEH417I	-GEN-UTIL-IEHMOVE-WHEN EXCLUDED IS USED WITH COPY PDS FROM TAPE TO DISK
UT506	15.0	-P11925-MSGIEH421I	-GEN-UTIL-IEHMOVE-COPY-DSGROUP NONEXIST-INVALID MSG NUMBER GIVEN.
UT506	16.0	-P12564-WAIT	-GEN-UTIL-IEHROOT-SYNAD-ERR ON-SYSIN-REG12 POINT TO-RDCDRT-.WILD BRANCH.
UT507	16.0	16601-P16379-ABENDOCX	-GEN-UTIL-IBCDMPRS-RESTORE-IF ALTERNATE TRK ASSIGNED BY GET ALT
UT507	15.0	15434-P15434-ABENDOCX	-GEN-UTIL-IBCDMPRS-TP/DASD-IINCRCT RECORDS ON TAPE.
UT507	16.0	16715-P16715-IO	-GEN-UTIL-IBCDASDI-PLACES WRONG VALUE IN DS4DEVB FLD OF FORMAT 4 DSCB
UT507	15.0	15434-P16258-IO	-GEN-UTIL-IBCDMPRS-IOERR-CMDREJ-DUMPING 2311/2311.SETFILEMASK DESTROYED.
UT507	15.0	-P16159-IO	-GEN-UTIL-IBCDMPRS-IOERR-CMDREJ-RESTORING.SETFILEMASK CCW DESTROYED.
UT507	15.0	15434-P14608-IO	-GEN-UTIL-IBCDMPRS-TP/DC-IF USING OTHER THAN BINO,ALWAYS SEEK BINO FM ALT TRK
UT507	15.0	15434-P14332-IO	-GEN-UTIL-IBCDMPRS-TP/DK-GETALT-ASSGNS 2 TRKS TO SAME ALT ON-RESTORE-IF IOERR.
UT507	16.0	15274-P18328-IOTAPE	-GEN-DUMP FROM DISK TO TAPE,TAPE IS REWOUND AND WRITTEN FROM THE BEGINNING
UT507	15.0	15434-P15434-MSGIBC152W	-GEN-UTIL-IBCDMPRS-JOB TERMINATE DUE TO INCRCT RECS ON TAPE.
UT507	16.0	15274-P15600-MSGIBC152W	-GEN-UTIL-IBCDMPRS-ON RESTORE-CAUSED BY BAD DUMP-EOF REC ON DISK HAD KYLWTH GT0
UT507	16.0	-P16605-MSGIBC209W	-GEN-UTIL-IBCDMPRS-DK/DK-VERSION 6 BEING USED.
UT507	16.0	16601-MSGIBC209W	-GEN-UTIL-IBCDMPRS-IF USING 2301 WITH EC 416252
UT507	16.0	-P15859-MSGIBC217W	-GEN-UTIL-IBCDMPRS-DUMP-TO 2314,2311,2302,2303,ON WHICH 2 OR MORE ALT TRKS ASSN
UT507	15.0	-P15556-MSGIBC217W	-GEN-UTIL-RESTORING PACK-I/DEORROR MSG.
UT507	15.0	15434-P12896-MSGIBC224W	-GEN-UTIL-DUMP/RESTORE-2314-TRK HAS MORE THAN 65 RECS.PROGCK MSG OCCURS.
UT507	15.0	15434-P12896-MSGIBC249W	-GEN-UTIL-DUMP/RESTORE-2314-IOERR MSG-GRTR 65 RECS ON TRK
UT507	16.0	16601-P16601-MSGIBC249W	-GEN-UTIL-IBCDMPRS-IF USING 2301 WITH EC 416252



SECTION 3: MODULE SUMMARY

DIRECTORY OF MODULES

This directory shows the modules in the Operating System, identifies the component to which each belongs, and the library in which they reside.

MODULE STATUS

This listing indicates the modules that have been deleted from, altered, or added to the system for this release. The System Status Indicator (SSI) columns show the old and the current level of each module affected by the release.

DIRECTORY OF MODULES IN THE
OPERATING SYSTEM REL 15/16

THE FOLLOWING LIST SHOWS THE MODULES IN THE OPERATING SYSTEM AND IDENTIFIES THE COMPONENT TO WHICH EACH MODULE BELONGS AND THE LIBRARY IN WHICH THEY ARE DISTRIBUTED. MODULE NAMES PRECEDED BY AN ASTERISK ARE ALIAS NAMES FOR THE MODULES APPEARING ON THE SAME LINE.

SYS1.PROCLIB

SM023	SORT	SORTD				
AS036	ASMEC	ASMECL	ASMECLG			
AS037	ASMFC	ASMFCCL	ASMFCCLG			
RG038	RPGEC	RPGECLG	RPGELG			
FO092	FORTEC	FORTECL	FORTECLG	FORTELG		
FO500	FORTHC	FORTHCL	FORTHCLG	FORTHLG		
CO503	COBEC	COBECLG	COBELG			
CI505	IEABLD00	IEAIGG00	IEARSV00	IEEVMPCR	RDR	RDR3200
CI505	RDR400	WTR				
UT506	LIST	MOD				
ED510	LKED	LKEDG				
NL511	PLIDFC	PL1LFC	PL1LFCL	PL1LFCLG	PL1LFLG	
PT516	TASME	TASMEG	TASMEGED	TTED		
FO520	FORTGC	FORTGCL	FORTGCLG	FORTGLG		
CB524	COBFC	COBFCLG	COBFLG			
AL531	ALG0FC	ALG0FCL	ALG0FCLG			
CI535	INIT					

SYS1.PL1LIB

SYS1.FORTLIB

SYS1.COBLIB

SYS1.SAMPLIB

SM023	IERSP		
AS036	IETESP		
RG038	RPGSMPL		
FO092	IEJESP		
FO092	OPM00001		
FO500	OPM00003		
CO503	IEPSAMP		
CI505	PROCDUMP		
CI505	SAMACTRT		
CI505	SHAREDIT		
UT506	DRISAMP		
UT506	IHGSAMP		
UT507	IBCDA SDI	*DASDI	
UT507	IBCDMPRS	*DUMPREST	
UT507	IBCRCVRP	*RECOVREP	
UT507	IEAIPL00		
NL511	IEMSP2		
FO520	IEYSP		
FO520	OPM00002		
IO523	SAMP2250	SAMP2260	
CB524	IEQSAMP		
AL531	IEXSAMP		
LM537	GSPSAMP		

SYS1.SORTLIB

SYS1.MODLIB

SM023	IERABA	IERABB	IERABC	IERABE	IERABF	IERABG
SM023	IERABH	IERABI	IERABJ	IERABK	IERABL	IERABM
SM023	IERABN	IERABO	IERABP	IERABS	IERABT	IERABU

SM023	I ERABV	I ERABW	I ERABX	I ERABY	I ERABZ	I ERADB
SM023	I ERADC	I ERADD	I ERADE	I ERADG	I ERADH	I ERADI
SM023	I ERADJ	I ERADP	I ERADQ	I ERADR	I ERADS	I ERADT
SM023	I ERADX	I ERAGA	I ERAGB	I ERAGC	I ERAGD	I ERAGE
SM023	I ERAGF	I ERAGG	I ERAGI	I ERAGJ	I ERAGK	I ERAGL
SM023	I ERAGM	I ERAGN	I ERAGO	I ERAGP	I ERAM1	I ERAOA
SM023	I ERAOB	I ERAOC	I ERAOD	I ERAOE	I ERAOF	I ERAOG
SM023	I ERAOH	I ERAOI	I ERAOJ	I ERAOK	I ERAOL	I ERAOM
SM023	I ERAON	I ERAOO	I ERAOP	I ERAOR	I ERAOS	I ERAOT
SM023	I ERAOU	I ERAOW	I ERAOX	I ERAOY	I ERAOZ	I ERAO1
SM023	I ERAO2	I ERAO3	I ERAPA	I ERAPB	I ERAPD	I ERAPE
SM023	I ERAPF	I ERAPG	I ERAPH	I ERAPK	I ERAPL	I ERAPN
SM023	I ERAPD	I ERBGA	I ERBGB	I EREX1	I EREX2	I EREX3
SM023	I ERRBA	I ERRBB	I ERRBC	I ERRBE	I ERRBF	I ERRBG
SM023	I ERRBH	I ERRBI	I ERRBJ	I ERBBK	I ERBBL	I ERBBM
SM023	I ERRBN	I ERRBO	I ERRBP	I ERBBT	I ERBBU	I ERBBV
SM023	I ERBBW	I ERBBX	I ERBBY	I ERBBZ	I ERBCA	I ERBCB
SM023	I ERBCC	I ERBCD	I ERBCE	I ERBCF	I ERBCG	I ERBCH
SM023	I ERBCI	I ERBCJ	I ERBCK	I ERBCL	I ERBCM	I ERBCN
SM023	I ERCC00	*SORT				
SM023	I ERCCP	I ERCCQ	I ERCCR	I ERCCS	I ERCCU	I ERCCW
SM023	I ERCCX	I ERCCY	I ERCCZ	I ERCC1	I ERCC2	I ERCC3
SM023	I ERCC4	I ERCCB	I ERCCD	I ERCCD	I ERCCD	I ERCCD
SM023	I ERCDH	I ERCDI	I ERCDJ	I ERCDP	I ERCDQ	I ERCDR
SM023	I ERCD S	I ERCDT	I ERCDX	I ERCCB	I ERCCG	I ERCCD
SM023	I ERCCGE	I ERCCGF	I ERCCGL	I ERCCGM	I ERCCGO	I ERCCGP
SM023	I ERROA	I ERROB	I ERROC	I ERROD	I ERROE	I ERROF
SM023	I ERROG	I ERROH	I ERROI	I ERROJ	I ERROK	I ERRON
SM023	I ERROO	I ERROP	I ERRO R	I ERROS	I ERROT	I ERROU
SM023	I ERROW	I ERROX	I ERROY	I ERROZ	I ERRO3	I ERROA
SM023	I ERRPB	I ERRPC	I ERRPD	I ERRPE	I ERPPF	I ERPPM
SM023	I ERPPN	I ERRPO	I ER8CM	I ER8GB	I ER8GC	I ER8ON
SM023	I ER8PA	I ER8PM	I ER9GB	I ER9GC	I ER9GN	I ER9ON
SM023	I ER9PA					
AS036	I ETAS M	I ETDI	I ETERR	I ETE1	I ETE2	I ETE2A
AS036	I ETE3	I ETE3A	I ETE4M	I ETE4P	I ETE4S	I ETE5
AS036	I ETE5A	I ETE5E	I ETE5P	I ETINP	I ETMAC	I ETPP
AS036	I ETRTA	I ETRTB	I ET07	I ET07I	I ET08	I ET09
AS036	I ET09I	I ET10	I ET10B	I ET21A	I ET21B	I ET21C
AS036	I ET21D					
AS037	I EUAS M	*ASMBLR				
AS037	I EUERR	I EUFD	I EUFI	I EUFPP	I EUF1	I EUF2
AS037	I EUF2A	I EUF3	I EUF3E	I EUF7C	I EUF7D	I EUF7E
AS037	I EUF7G	I EUF7I	I EUF7L	I EUF7N	I EUF7S	I EUF7V
AS037	I EUF7X	I EUF8A	I EUF8C	I EUF8D	I EUF8I	I EUF8L
AS037	I EUF8M	I EUF8N	I EUF8P	I EUF8S	I EUF8V	I EUMAC
AS037	I EURTA					
RG038	I ESRPG	I ES00010	I ES00910	I ES03010	I ES03910	I ES04010
RG038	I ES04910	I ES05010	I ES05910	I ES06010	I ES06910	I ES07010
RG038	I ES07910	I ES08A10	I ES08010	I ES08910	I ES09010	I ES09910
RG038	I ES10010	I ES10910	I ES11010	I ES11910	I ES12010	I ES12910
RG038	I ES13010	I ES13910	I ES14010	I ES14910	I ES15010	I ES15910
RG038	I ES16010	I ES16910	I ES17010	I ES17910	I ES18010	I ES18910
RG038	I ES19010	I ES19910	I ES20010	I ES20910	I ES21010	I ES21910
RG038	I ES22010	I ES22910	I ES23010	I ES23910	I ES24010	I ES24110
RG038	I ES24210	I ES24310	I ES24410	I ES24510	I ES24610	I ES24710
RG038	I ES24910	I ES25010				
FD092	I EJFAAAO	*I EJFAABO				

F0092	IEJFAPAO	IEJFAXAO	IEJFCAAO	IEJFEAAO	IEJFFAAO	IEJFGAAO
F0092	IEJFJAAO	IEJFJGAO	IEJFLAAO	IEJFNAAO	IEJFNAAO	IEJFPAAO
F0092	IEJFPGA0	IEJFRAAO	IEJFVAAO	IEJFVCAO	IEJFXAAO	
F0500	IEKAA00	IEKAFF	IEKAPT	IEKARW	IEKATB	IEKATM
F0500	IEKCAA	IEKCAR	IEKCCR	IEKCDO	IEKCDP	IEKCDT
F0500	IEKCGC	IEKCGO	IEKCGW	IEKCIO	IEKCLT	IEKCPX
F0500	IEKCSF	IEKCSR	IEKCTN	IEKDCL	IEKDIO	IEKFCOMH
F0500	IEKFIOCS	IEKGA1	IEKGCR	IEKGCZ	IEKGDA	IEKGEV
F0500	IEKGMP	IEKGST	IEKJA	IEKJAL	IEKJAN	IEKJA1
F0500	IEKJA2	IEKJA3	IEKJA4	IEKJBF	IEKJCP	IEKJDF
F0500	IEKJFI	IEKJFU	IEKJGR	IEKKCN	IEKKOP	IEKKOS
F0500	IEKKPA	IEKKRE	IEKKSA	IEKKSM	IEKKST	IEKKUN
F0500	IEKLAB	IEKLER	IEKLGK	IEKLMA	IEKLOK	IEKLRG
F0500	IEKLTB	IEKPB	IEKPGK	IEKPLS	IEKPO	IEKPT
F0500	IEKPTB	IEKPZ	IEKP30	IEKP31	IEKQAA	IEKQBM
F0500	IEKQCF	IEKQCL	IEKQKO	IEKQMT	IEKQPF	IEKQSM
F0500	IEKQSR	IEKQTL	IEKQWT	IEKQXM	IEKQXS	IEKRBK
F0500	IEKRBP	IEKRCI	IEKRFL	IEKRFP	IEKRFR	IEKRF1
F0500	IEKRGB	IEKRLL	IEKRLL	IEKRRG	IEKRS	IEKRSL
F0500	IEKRSS	IEKR SX	IEKSBS	IEKTA	IEKTDG	IEKTDG
F0500	IEKTDG	IEKTEN	IEKTEP	IEKTFM	IEKTIO	IEKTIS
F0500	IEKTLB	IEKTLOAD	IEKTLS	IEKTNL	IEKTPK	IEKTPR
F0500	IEKTRN	IEKTSR	IEKUEN	IEKVAD	IEKVBL	IEKVFN
F0500	IEKVFP	IEKVM2	IEKVPL	IEKVSU	IEKVTN	IEKVTS
F0500	IEKVUN	IEKWCN	IEKWKK	IEKXRF	IEKXRS	
LM501	IHCADJST					
LM501	IHCAGOTO	*CGOTO=				
LM501	IHCCLABS	*CDABS				
LM501	IHCCLAS					
LM501	IHCCLEXP	*CDEXP				
LM501	IHCCLLOG	*CDLOG				
LM501	IHCCLSCN	*CDSIN	*CDCOS			
LM501	IHCCLSQT	*CDSQRT				
LM501	IHCCSABS	*CABS				
LM501	IHCSSAS					
LM501	IHCSEX	*CEXP				
LM501	IHCSSLOG	*CLOG				
LM501	IHCSSCN	*CSIN	*CCOS			
LM501	IHCSSQT	*CSQRT				
LM501	IHCDBG	*DEBUG=				
LM501	IHCDIOS	IHCDCOMH				
LM501	IHCEDIOS	*DIOCS=				
LM501	IHCFFIOS	*FIOCS=				
LM501	IHCFFNTH	*ARITH=				
LM501	IHCERRM	*ERRMON	*IHCERRE	*ERRSET	*ERRSAV	
LM501	IHCETRCH					
LM501	IHCFAINT	*AINT				
LM501	IHCFCXI	*FCXI=				
LM501	IHCFCOME	*IBCOM=				
LM501	IHCFCOMH					
LM501	IHCFCVTH	*ADCON=				
LM501	IHCFCXPI	*FCXPI=				
LM501	IHCFDUMP	*PDUMP	*DUMP			
LM501	IHCFDVCH	*DVCHK				
LM501	IHCFDXPD	*FDXPD=				
LM501	IHCFDXPI	*FDXPI=				
LM501	IHCFFEXIT	*EXIT				
LM501	IHCFFIX	*INT	*IDINT			

LM501	IHCFINTH	*ARITH=				
LM501	IHCFIO SH	*FIOCS=				
LM501	IHCFIXPI	*FIXPI=				
LM501	IHCFMAXD	*DMINI	*DMAXI			
LM501	IHCFMAXI	*MINO	*AMAXO	*AMINO	*MAXO	
LM501	IHCFMAXR	*MINI	*AMAXI	*AMINI	*MAXI	
LM501	IHCFMODI	*MOD				
LM501	IHCFMODR	*AMOD	*DMOD			
LM501	IHCFOPT	*ERRSTR				
LM501	IHCFOVER	*OVERFL				
LM501	IHCFRXPI	*FRXPI=				
LM501	IHCFRXPR	*FRXPR=				
LM501	IHCFSLIT	*SLITET	*SLITE			
LM501	IHCIBERH	*IBERH=				
LM501	IHCIBERR	*IBERR=				
LM501	IHCLASCN	*DARSIN	*DARCOS			
LM501	IHCLATAN					
LM501	IHCLATN2	*DATAN	*DATAN2			
LM501	IHCLERF	*DERFC	*DERF			
LM501	IHCL EXP	*DEXP				
LM501	IHCLGAMA	*DGAMMA	*DLGAMA			
LM501	IHCLLOG	*DLOG10	*DLOG			
LM501	IHCLSCN	*DSIN	*DCOS			
LM501	IHCLSCNH	*DSINH	*DCOSH			
LM501	IHCLSQRT	*DSQRT				
LM501	IHCLTANH	*DTANH				
LM501	IHCLTNCT	*DTAN	*DCOTAN			
LM501	IHCNAMEL	*FRDNL=	*FWRNL=			
LM501	IHCSASCN	*ARSIN	*ARCOS			
LM501	IHCSATAN					
LM501	IHCSATN2	*ATAN	*ATAN2			
LM501	IHCSERF	*ERF	*ERFC			
LM501	IHCSEXP	*EXP				
LM501	IHC SGAMA	*GAMMA	*ALGAMA			
LM501	IHCSLOG	*ALOG10	*ALOG			
LM501	IHCSSCN	*SIN	*COS			
LM501	IHCSSCNH	*SINH	*COSH			
LM501	IHCSSQRT	*SQRT				
LM501	IHCSTANH	*TANH				
LM501	IHCSTNCT	*TAN	*COTAN			
LM501	IHC TRCH	*ERRMON				
LM501	IHC UOPT	IHC UOPTN				
C0503	IEPALC00	IEPASA00	IEPASP00	IEPASW00	IEPAS100	IEPAS200
C0503	IEPAS300	IEPAS400	IEPAS500	IEPAS600	IEPBLD00	IEPDBG00
C0503	IEPDMG00	IEPDPC00	IEPDST00	IEPDS100	IEPDS200	IEPIOT00
C0503	IEPLIT00	IEPLST00	IEPPD100	IEPPD200	IEPPGP00	IEPPGQ00
C0503	IEPPG100	IEPPG200	IEPPG300	IEPPG400	IEPPG500	IEPPG600
C0503	IEPPG700	IEPPG900	IEPPMG00	IEPPS100	IEPPS200	IEPPS300
C0503	IEPPS400	IEPPT100	IEPPT200	IEPPT300	IEPPT400	IEPPT500
C0503	IEPPT600	IEPPT700	IEPSET00	IEPSIS00	IEPSMG00	IEPSYS00
C0503	IEPTRM00	IEPUSE00				
CI505	IEAAAB00	IEAAAD0A	IEAAAD0B	IEAAAD00	IEAAAD01	IEAAAD02
CI505	IEAAAD03	IEAAAD04	IEAAAD05	IEAAAT00	IEAADE00	IEAADL00
CI505	IEAAEF00	IEAAEN00	IEAAID00	IEAAJOB0	IEAAMS00	IEAAPL00
CI505	IEAAPX00	IEAASY00	IEAATMOA	IEAATMO0	IEAATMO1	IEAATMO2
CI505	IEAATMO3	IEAATMO4	IEAATMO5	IEAAXR00	IEABDL00	IEARMS00
CI505	IEACDL00	IEACMS00	IEADDL00	IEADMS00	IEAGAB00	IEAGENQ1
CI505	IEAGENQ2	IEAGPL00	IEAGTMOA	IEAGTMO0	IEAGTMO5	IEAGTMO6

CI505	IEAIAB00	IEAQENQ2	IEAQENQ3	IEASMS00	IEATMS00	IEAUMS00
CI505	IEAVMS00	IEAORT00	IEAORT10	IEAOST00	IEAOTI00	IEAOTI01
CI505	IECINTRP	IECIPR12	IECPFND1	IEC23XXB	IEC23XXC	IEC23XXD
CI505	IEC23XXE	IEEBC1PE	IEEBH1PE	IEECIR01	IEECIR45	IEECIR50
CI505	IEECNDUM	IEECVCRA	IEECVCRX	IEECVCTI	IEECVCTR	IEECVCTW
CI505	IEECVCTX	IEECVDCM	IEECVOCC	IEECVOCP	IEECVOCX	IEECVPMC
CI505	IEECVPMF	IEECVPMX	IEECVPRG	IEECVWTO	IEEDFIN1	IEEDFIN2
CI505	IEEDFIN3	IEEDFIN4	IEEDFIN5	IEEDFIN6		
CI505	IEEDFIN7	*EXIT				
CI505	IEEDFIN8	IEEGES01	IEEGK1GM	IEEICN01	IEEIC2N0	IEEIC3JF
CI505	IEEILCDM	IEEMCP01	IEEMCREP	IEEMCRFK	IEEMCR01	IEEMCS01
CI505	IEEMXC01	IEEMXR01	IEEQOT00	IEEREADR	IEERSC01	IEERSR01
CI505	IEESD561	IEESD562	IEESD563	IEESD564	IEESD565	IEESD566
CI505	IEESD567	IEESD568	IEESD571	IEESD590	IEESD591	IEESD592
CI505	IEESD593	IEE START	IEEVACTL	IEEVATTI	IEEVICLR	IEEVJCL
CI505	IEEVLNKT	IEEVMT1	IEEVMSG1	IEEVMSG	IEEVPRES	IEEVRCTL
CI505	IEEVRFRX	IEEVSMBA	IEEVSDM	IEEVMSG	IEEVSTAR	IEEVTCTL
CI505	IEEVWTR	IEEWTR	IEEWTC01	IEEWTR01	IEE0303D	IEE0403D
CI505	IEE0503D	IEE0603D	IEE0703D	IEE0803D	IEE0903D	IEE1103D
CI505	IEE1203D	IEE1403D	IEE1603D	IEE2103D	IEFACT	IEFACTFK
CI505	IEFACTLK	IEFACTRT	IEFATECB	IEFAVFAK	IEFBR14	IEFDAFAK
CI505	IEFDNSFT	IEFDPOST	IEFEAFAK	IEFEMDUM	IEFHAAFK	IEFHADUM
CI505	IEFHAFAK	IEFHCBFK	IEFHFFAK	IEFHMFAC	IEFIDFAK	IEFIDMPM
CI505	IEFIDUMP	IEFINTQA	IEFJAFAK	IEFJMDUM	IEFKADUM	IEFKGDUM
CI505	IEFKGFAK	IEFKLDUM	IEFKPDUM	IEFKRESA	IEFKRESB	IEFK1DUM
CI505	IEFK1MSG	IEFK3DUM	IEFK4DUM	IEFK4ENT	IEFMCDUM	IEFMFDJM
CI505	IEFORMAT	IEFPRES	IEFPFAK	IEFPRTXX	IEFQAGST	IEFQASGQ
CI505	IEFQBVM	IEFQDELQ	IEFQINTZ	IEFQMDQQ	IEFQMDUM	IEFQMLK1
CI505	IEFQMNQQ	IEFQMRAW	IEFQMSSS	IEFQMUNQ	IEFQRES0	IEFS0001
CI505	IEFS0002	IEFS0003	IEFS0004	IEFS0006	IEFS0007	IEFS0008
CI505	IEFS0009	IEFS0010	IEFS0011	IEFS0012	IEFS0016	IEFS0017
CI505	IEFS0031	IEFS0034	IEFS0035	IEFS0036	IEFS0055	IEFS0059
CI505	IEFS0070	IEFS0078	IEFS0079	IEFS0080	IEFS0081	IEFS0082
CI505	IEFS0083	IEFS0084	IEFS0085	IEFS0086	IEFS0087	IEFS0088
CI505	IEFS0089	IEFS0090	IEFS0094	IEFS0095	IEFS0096	IEFS0097
CI505	IEFS0105	IEFS0171	IEFS0195	IEFS0210	IEFS0220	IEFS0300
CI505	IEFS0301	IEFS0302	IEFS0303	IEFS0304	IEFS0305	IEFS0308
CI505	IEFS0310	IEFS0310	IEFS0311	IEFS0312	IEFS0410	IEFS0420
CI505	IEFS0510	IEFS0511	IEFS0512	IEFS0513	IEFS0514	IEFS0515
CI505	IEFS0516	IEFS0517	IEFS0530	IEFS0531	IEFS0532	IEFS0533
CI505	IEFS0534	IEFS0535	IEFS0536	IEFS0537	IEFS0540	IEFS0541
CI505	IEFS0551	IEFS0552	IEFS0553	IEFS0554	IEFS0555	IEFS0556
CI505	IEFS0557	IEFS0558	IEFS0559	IEFS0567	IEFS0572	IEFS0587
CI505	IEFS0588	IEFS0589	IEFS0597	IEFS0598		
CI505	IEFS0599	*SMALLGO				
CI505	IEFSEPAR	IEFSPIE	IEFS15XL	IEFVDA	IEFVDBSD	IEFVDDUM
CI505	IEFVEA	IEFVFA	IEFVFB	IEFVGI	IEFVGK	IEFVGM
CI505	IEFVGMSS	IEFVGM1	IEFVGM10	IEFVGM11	IEFVGM12	IEFVGM13
CI505	IEFVGM14	IEFVGM15	IEFVGM16	IEFVGM17	IEFVGM18	IEFVGM19
CI505	IEFVGM2	IEFVGM3	IEFVGM4	IEFVGM5	IEFVGM6	IEFVGM7
CI505	IEFVGM70	IEFVGM78	IEFVGM8	IEFVGM9	IEFVGS	IEFVGT
CI505	IEFVHA	IEFVHAA	IEFVHB	IEFVHC	IEFVHCB	IEFVHE
CI505	IEFVHEB	IEFVHEC	IEFVHF	IEFVHG	IEFVHGSS	IEFVHH
CI505	IEFVHHB	IEFVHL	IEFVHM	IEFVHN	IEFVHQ	IEFVHRSS
CI505	IEFVH1	IEFVH2	IEFVJA	IEFVJIMP	IEFVJMSG	IEFVKIMP
CI505	IEFVKMSG	IEFVMLK5	IEFVMLS1	IEFVMLS6	IEFVMLS7	IEFVMMS1
CI505	IEFVM2LS	IEFVM3LS	IEFVM4LS	IEFVM5LS	IEFVM76	IEFVSD12
CI505	IEFVSD13	IEFV15XL	IEFWAD	IEFWAFK	IEFWA000	IEFWCFAK

CI505	IEFWCIMP	IEFWDFAK	IEFWD000	IEFWD001	IEFWS DIP	IEFWSTRT
CI505	IEFWSWIN	IEFWTERM	IEFW1FAK	IEFW2FAK	IEFW21SD	IEFW22SD
CI505	IEFW23SD	IEFW31SD	IEFW41SD	IEFW42SD	IEFXAFAK	IEFXAMSG
CI505	IEFXCSSS	IEFXH000	IEFXJFAK	IEFXJIMP	IEFXJMSG	IEFXKFAK
CI505	IEFXKIMP	IEFXKMSG	IEFXTDMY	IEFXTFAK	IEFXTMSG	IEFXTOOD
CI505	IEFXT002	IEFXT003	IEFXVFAK	IEFXVMSG	IEFXVNSL	IEFXV001
CI505	IEFX1FAK	IEFX2FAK	IEFX3FAK	IEFX300A	IEFX5FAK	IEFX5000
CI505	IEFYNAK	IEFYNI MP	IEFYNMSG	IEFY PJB3	IEFY PMSG	IEFYSSMB
CI505	IEFYSVMS	IEFYTJB2	IEFYTVMS	IEFZAFAK	IEFZAJB3	IEF7GJB1
CI505	IEFZGMSG	IEFZGST1	IEFZHFAK	IEFZHMSG	IEF04FAK	IEF078SD
CI505	IEF079SD	IEF08FAK	IEF09FAK	IEF23FAK	IEF300SD	IEF304SD
CI505	IEF75DUM	IEF41FAK	IEF7KGXX	IEF7KPXX	IEF7K1XX	IEF7K2XX
CI505	IEF7K3XX	IEWF TMIN	IEWF TPCI	IEWSUOVR	IEWSVOVR	IEWSXOVR
CI505	IEWSYDVR	IFBDCB00	IFBDCB01	IFBSTAT	IFCDIP00	IFCEP000
CI505	IFCEP001	IFCEP010	IFCEP020	IFCEP030	IFCEP031	IFCEP104
CI505	IFCEP656	IFFGRDUM	IGC0001G	IGC0003C	IGC0103D	IGC0203D
CI505	IGE0000A	IGE0000D	IGE0000E	IGE0000G	IGE0000I	IGE0001C
CI505	IGE0002&	IGE0002H	IGE0025C	IGE0025D	IGE0025E	IGE0025F
CI505	IGE0100I	IGE0101C	IGE0102H	IGE0125E	IGE0202H	IGE0302H
CI505	IGE0402H	IGE0425F	IGE0525F	IGE0900I	IHJ000	IHJ001
CI505	IHJ002	IHJ003	IHJ004	IHJ005	IHJ006	IHJ007
CI505	IHJ008	IHJ090	IHJ091	IHJ095	IHK1503D	IKASPD
CI505	MCONRESA	MCONRESB				
UT506	IEBASCAN	IEBCANAL	IEBCCS02	IEBCMAIN	IEBCOMP M	IEBCONH2
UT506	IEBCONP2	IEBCONZ2	IEBCOPYA	IEBCOPYB	IEBCOPYC	IEBCOPYD
UT506	IEBCROOT	IEBEDIT	IEBEDIT2	IEBGENRT	IEBGEN03	IEBGMESG
UT506	IEBGSCAN	IEBISAM	IEBISC	IEBISF	IEBISI	IEBISL
UT506	IEBISMES	IEBISPL	IEBISSI	IEBISSO	IEBISU	IEBLENP2
UT506	IEBMOVE2	IEBPPAL1	IEBPPCH1	IEBPPMSG	IEBPPUNI	IEBUPDAT
UT506	IEBUPDTE	IEBUPDT2	IEBUPLOG	IEHDANAL	IEHDAOUT	IEHDASDR
UT506	IEHDASDS	IEHDCELL	IEHDONS	IEHDDATE	IEHDDUMP	IEHDEXCP
UT506	IEHDGETA	IEHDLABL	IEHDM SGB	IEHDM SGS	IEHDPASS	IEHDPRNT
UT506	IEHDREST	IEHDS CAN	IEHDVTOC	IEHINITT	IEHIOSUP	IEHMOVE
UT506	IEHMVESA	IEHMVESC	IEHMVESH	IEHMVESI	IEHMVESJ	IEHMVESK
UT506	IEHMVESL	IEHMVESM	IEHMVESN	IEHMVESO	IEHMVESP	IEHMVESQ
UT506	IEHMVESR	IEHMVEST	IEHMVESU	IEH MVETG	IEH MVETJ	IEH MV MRY
UT506	IEH MV MRZ	IEH MV MSN	IEH MV MSQ	IEH MV MSY	IEH MV MTA	IEH MV MTL
UT506	IEH MV SRA	IEH MV SRD	IEH MV SRK	IEH MV SRM	IEH MV SRS	IEH MV SRV
UT506	IEH MV SRX	IEH MV SRY	IEH MV SRZ	IEH MV S SF	IEH MV S SS	IEH MV S SV
UT506	IEH MV S SX	IEH MV S SY	IEH MV S SZ	IEH MV S TA	IEH MV S TC	IEH MV S TL
UT506	IEH MV XSE	* IEH MV SE				
UT506	IEH MV XSF	IEH PRINT	IEH PRMSG	IEH PRNT	IEH PROG1	IEH PROG2
UT506	IEH PROG3	IEH PROG4	IEH PROG5	IEHQSCAN	IEHSCAN	IEHUCSLD
UT506	IGC0008B	IGC0108B	IGC0208B	IGG019P8	IGG019P9	IHGANY
UT506	IHGCTB	IHGROOT	IHG TAB	IHGUADEL	IHGUALOG	IHGURD
DM508	EMODVOL1	IECBBFB1	IECP FND	IECQBFG1	IGC0001I	IGC0002&
DM508	IGC0002A	IGC0002B	IGC0002C	IGC0002D	IGC0002E	IGC0002F
DM508	IGC0002G	IGC0002H	IGC0002I	IGC0003&	IGC0003A	IGC0003B
DM508	IGC0003C	IGC0003I	IGC0005E	IGC0005G	IGC0006D	IGC0006H
DM508	IGC0006I	IGC0008A	IGC0106H	IGC0206H	IGC0306H	IGC0406H
DM508	IGG0CLC1	IGG0CLC2	IGG0CLC3	IGG0CLC4	IGG0CLC5	IGG0CLF2
DM508	IGG019AA	IGG019AB	IGG019AC	IGG019AD	IGG019AE	IGG019AF
DM508	IGG019AG	IGG019AH	IGG019AI	IGG019AJ	IGG019AK	IGG019AL
DM508	IGG019AM	IGG019AN	IGG019AQ	IGG019AR	IGG019AT	IGG019AV
DM508	IGG019AW	IGG019BA	IGG019BB	IGG019BC	IGG019BD	IGG019BE
DM508	IGG019BF	IGG019BG	IGG019BH	IGG019BI	IGG019BK	IGG019BL
DM508	IGG019BM	IGG019CA	IGG019CB	IGG019CC	IGG019CD	IGG019CE
DM508	IGG019CF	IGG019CG	IGG019CH	IGG019CI	IGG019CJ	IGG019CK

DM508	IGG019CL	IGG019CM	IGG019CN	IGG019CO	IGG019CP	IGG019CQ
DM508	IGG019CR	IGG019CS	IGG019CU	IGG019CV	IGG019CW	IGG019CX
DM508	IGG019CY	IGG019CZ	IGG019C1	IGG019C2	IGG019C3	IGG019DA
DM508	IGG019DB	IGG019DD	IGG019EA	IGG019EB	IGG019EC	IGG019ED
DM508	IGG019EE	IGG019EF	IGG0190A	IGG0190B	IGG0190C	IGG0190D
DM508	IGG0190E	IGG0190F	IGG0190I	IGG0190J	IGG0190K	IGG0190L
DM508	IGG0190M	IGG0190N	IGG0190P	IGG0190Q	IGG0190R	IGG0190S
DM508	IGG0190T	IGG0190U	IGG0190V	IGG0190W	IGG0190X	IGG0190Y
DM508	IGG0190Z	IGG0191A	IGG0191B	IGG0191C	IGG0191D	IGG0191E
DM508	IGG0191F	IGG0191G	IGG0191H	IGG0191I	IGG0191J	IGG0191K
DM508	IGG0191N	IGG0191P	IGG0191Q	IGG0191R	IGG0191S	IGG0191T
DM508	IGG0191U	IGG0191V	IGG01910	IGG01911	IGG01912	IGG01913
DM508	IGG01914	IGG02001	IGG020P1	IGG020P2	IGG0200A	IGG0200B
DM508	IGG0200C	IGG0200F	IGG0200G	IGG0200Y	IGG0200Z	IGG0201A
DM508	IGG0201B	IGG0230C	IGG0230D	IGG0290A	IGG0290B	IGG0290C
DM508	IGG0290D	IGG0290E	IGG03001	IGG03002	IGG0325B	IGG0325C
DM508	IGG0325D	IGG0325E	IGG0325F	IGG0325G	IGG0325H	IGG0325J
DM508	IGG0325S	IGG0550A	IGG0550B	IGG0550C	IGG0550D	IGG0550E
DM508	IGG0550F	IGG0550G	IGG0550H	IGG0550I	IGG0550J	IGG0550K
DM508	IGG0550L	IGG0550M	IGG0550N	IGG0550P	IGG0550S	IGG0550U
DM508	IGG0550V	IGG0550W	IGG0550X	IGG0550Y	IGG0550Z	IGG0551A
DM508	IGG0552I	IGG0552K	IGG0553A	IGG0553B	IGG0553C	IGG0553D
DM508	IGG0553E	IGG0810I	IGG0810J	OMODVOL1	READPSWD	SECL0ADA
DM509	IGC0005C	IGG019DA	IGG019DB	IGG019DC	IGG019DD	IGG019KA
DM509	IGG019KC	IGG019KE	IGG019KF	IGG019KG	IGG019KH	IGG019KI
DM509	IGG019KK	IGG019KM	IGG019KO	IGG019KQ	IGG019KS	IGG019KU
DM509	IGG019KW	IGG019KY	IGG019LA	IGG019LC	IGG019LE	IGG019LG
DM509	IGG019LI	IGG019LL	IGG019LM	IGG0193A	IGG0193C	IGG0193E
DM509	IGG0203A					
ED510	IEWLCBTP	IEWLCEND	IEWLCENS	IEWLCENT	IEWLCESD	IEWLCFNL
ED510	IEWLCINC	IEWLCLDB	IEWLCMAP	IEWLCRCG	IEWLCSCN	IEWLCSYM
ED510	IEWLEADA	IEWLEAPT	IEWLEINP	IEWLEINT	IEWLELOG	IEWLEOPT
ED510	IEWLEDUT	IEWLEROU	IEWLESCD	IEWLETXR	IEWLKADA	IEWLKAPT
ED510	IEWLKBTP	IEWLKEND	IEWLKENS	IEWLKENT	IEWLKESD	IEWLKFNL
ED510	IEWLKINC	IEWLKINP	IEWLKINT	IEWLKLDB	IEWLKLOG	IEWLKMAP
ED510	IEWLKOPT	IEWLKOUT	IEWLK RAT	IEWLKRCG	IEWLKROU	IEWLKSCD
ED510	IEWLKSCN	IEWLKSYM				
NL511	IEMAA	IEMAB	IEMAC	IEMAD	IEMAE	IEMAG
NL511	IEMAH	IEMAI	IEMAJ	IEMAK	IEMAL	IEMAM
NL511	IEMAN	IEMAS	IEMAV	IEMBC	IEMBE	IEMBF
NL511	IEMBG	IEMBI	IEMBJ	IEMBM	IEMBN	IEMBO
NL511	IEMBP	IEMBR	IEMBS	IEMBT	IEMBU	IEMBV
NL511	IEMBW	IEMBX	IEMCA	IEMCC	IEMCE	IEMCG
NL511	IEMCI	IEMCK	IEMCL	IEMCM	IEMCN	IEMCO
NL511	IEMCP	IEMCR	IEMCS	IEMCT	IEMCV	IEMCW
NL511	IEMED	IEMEF	IEMEG	IEMEH	IEMEI	IEMEJ
NL511	IEMEK	IEMEL	IEMEM	IEMEP	IEMEV	IEMEW
NL511	IEMEX	IEMEY	IEMEZ	IEMFA	IEMFB	IEMFE
NL511	IEMFF	IEMFI	IEMFK	IEMFO	IEMFP	IEMFQ
NL511	IEMFT	IEMFU	IEMFV	IEMFW	IEMFX	IEMFY
NL511	IEMFZ	IEMGA	IEMGB	IEMGC	IEMGK	IEMGO
NL511	IEMGP	IEMGQ	IEMGR	IEMGU	IEMGV	IEMHF
NL511	IEMHG	IEMHK	IEMHL	IEMHP	IEMIA	IEMIB
NL511	IEMIC	IEMIG	IEMIL	IEMIM	IEMIN	IEMIP
NL511	IEMIQ	IEMIT	IEMIX	IEMJD	IEMJI	IEMJJ
NL511	IEMJK	IEMJL	IEMJM	IEMJP	IEMJZ	IEMLA
NL511	IEMLB	IEMLC	IEMLD	IEMLG	IEMLH	IEMLR
NL511	IEMLS	IEMLT	IEMLU	IEMLV	IEMLW	IEMLX

NL 511	IEMLY	IEMMB	IEMMC	IEMMD	IEMME	IEMMF
NL 511	IEMMG	IEMMH	IEMMI	IEMMJ	IEMMK	IEMML
NL 511	IEMMM	IEMMN	IEMMO	IEMMP	IEMMS	IEMMT
NL 511	IEMNA	IEMNB	IEMNG	IEMNH	IEMNJ	IEMNK
NL 511	IEMNM	IEMNN	IEMNT	IEMNU	IEMNV	IEMOB
NL 511	IEMOC	IEMOD	IEMOE	IEMOF	IEMOG	IEMOH
NL 511	IEMOI	IEMOM	IEMON	IEMOO	IEMOP	IEMOO
NL 511	IEMOS	IEMOT	IEMOU	IEMPA	IEMPD	IEMPH
NL 511	IEMPL	IEMPM	IEMPP	IEMPT	IEMPU	IEMPV
NL 511	IEMQF	IEMQG	IEMQH	IEMQJ	IEMQK	IEMQL
NL 511	IEMQU	IEMQX	IEMRA	IEMRB	IEMRC	IEMRF
NL 511	IEMRG	IEMRH	IEMTF	IEMTJ	IEMTK	IEMTO
NL 511	IEMTP	IEMTQ	IEMTT	IEMTU	IEMUA	IEMUR
NL 511	IEMUC	IEMUD	IEMUE	IEMUF	IEMUG	IEMUH
NL 511	IEMUI	IEMXA	IEMXB	IEMXC	IEMXF	IEMXG
NL 511	IEMXH	IEMXI	IEMXJ	IEMXO	IEMXP	IEMXQ
NL 511	IEMXR	IEMXS	IEMXT	IEMXU	IEMXV	IEMXW
NL 511	IEMYL	IEMYM	IEMYN	IEMYO	IEMYP	IEMYO
NL 511	IEMYX	IEMY Y				
LM 512	IHEABUO	IHEABVO	IHEABWO	IHEABZO	IHEADVO	
LM 512	IHEATWN	*IHEATWH				
LM 512	IHEATZN	*IHEATZH				
LM 512	IHECLSA					
LM 512	IHECLTA	*IHECLTB				
LM 512	IHECTTA	*IHECTTB				
LM 512	IHEDIMA	IHEDOMA	IHEOSWA	IHEDVUO	IHEDVVO	IHEDZWO
LM 512	IHEDZZO	IHEERDA	IHEEREA	IHEERIA	IHEERNA	IHEERDA
LM 512	IHEERPA					
LM 512	IHEERSA	*IHEERSB				
LM 512	IHEERTA					
LM 512	IHEESMA	*IHEESMB				
LM 512	IHEESSA	*IHEESSB				
LM 512	IHEEXWO	IHEEXZO	IHEIOJA	IHEITBA	IHEITCA	IHEITDA
LM 512	IHEITEA	IHEITFA	IHEITGA	IHEITHA	IHEITJA	IHELNWO
LM 512	IHELNZO	IHEMPUO	IHEMPVO	IHEMSIA	IHEMSTA	IHEMSWA
LM 512	IHEMZUM	*IHEMZUD				
LM 512	IHEMZVM	*IHEMZVD				
LM 512	IHEMZWO	IHEMZZO	IHEOPNA	IHEOPPA	IHEOPPA	IHEOPQA
LM 512	IHEOPZA	IHEOSIA	IHEOSTA	IHEOSWA	IHEPDWO	IHEPDXO
LM 512	IHEPDZO	IHEPSWO	IHEPSXO	IHEPSZO	IHESMXO	
LM 512	IHESNWK	*IHESNWC	*IHESNWS	*IHESNWZ		
LM 512	IHESNZK	*IHESNZS	*IHESNZZ	*IHESNZC		
LM 512	IHESQWO	IHESQZO	IHESSXO			
LM 512	IHETEXA	*IHETEXB				
LM 512	IHETNWH	*IHETNWN				
LM 512	IHETNZH	*IHETNZN				
LM 512	IHETOMA	*IHETOMB	*IHETOMC	*IHETOMD		
LM 512	IHEVCSA	*IHEVCS	*IHEVCSB			
LM 512	IHEXIUO	IHEXIVO	IHEXIWO	IHEXIZO	IHEXXWO	IHEXXZO
LM 512	IHEYGWV	*IHEYGWS				
LM 512	IHEYGXV	*IHEYGXS				
LM 512	IHEYGZV	*IHEYGZS				
LM 512	IHEZZAA	IHEZZBA	IHEZZCA	IHEZZFA		
CQ 513	IECTCHGN	IECTLERP	IECTLOPN	IECTONLT	IECTTRNS	IGC0006F
CQ 513	IGC0106F	IGC0206F	IGC0306F	IGC0406F	IGC0506F	IGC058
CQ 513	IGC0606F	IGC0706F	IGC0806F	IGE0004A	IGE0004B	IGE0004C
CQ 513	IGE0004D	IGE0104A	IGE0104B	IGE0104C	IGE0104D	IGE0204A
CQ 513	IGE0204B	IGE0204C	IGE0204D	IGE0304A	IGE0304B	IGE0304C

CQ513	IGE0304D	IGE0404A	IGE0404B	IGE0404C	IGE0504A	IGE0504B
CQ513	IGE0504C	IGE0604A	IGE0604B	IGE0604C	IGE0704A	IGE0704C
CQ513	IGE0804A	IGE0804B	IGE0804C	IGE0904A	IGE0904C	IGG019MA
CQ513	IGG019MB	IGG019MC	IGG019MD	IGG019ME	IGG019MF	IGG019MI
CQ513	IGG019MJ	IGG019MK	IGG019ML	IGG019MN	IGG019MP	IGG019MR
CQ513	IGG019MS	IGG019MT	IGG019MU	IGG019MV	IGG019MW	IGG019MX
CQ513	IGG019MY	IGG019MZ	IGG019MO	IGG019ML	IGG019M2	IGG019M3
CQ513	IGG019M4	IGG019M5	IGG019M6	IGG019M7	IGG019M8	IGG019M9
CQ513	IGG019PA	IGG0193M	IGG0193Q	IGG0193S	IGG0203M	
PT516	IEGMC00A	IEGMG00A	IEGMN00A	IEGNA00A	IEGND00A	IEGNG00A
PT516	IEGNM00A	IEGNP00A	IEGNS00A	IEGNV00A	IEGNY00A	IEGOPEN2
PT516	IEGOPEN3	IEGPA00A	IEGPE00A	IEGPG00A	IEGPH00A	IEGPI00A
PT516	IEGPK00A	IEGPP00A	IEGRA00A	IEGRC00A	IEGRE00A	IEGRF00A
PT516	IEGRG00A	IEGRK00A	IEGRLO0A	IEGSF00A	IEGSN00A	IEGSP00A
PT516	IEGSQ00A	IEGSR00A	IEGSU01Z	IEGSU06Z	IEGSU40Z	IEGSU50Z
PT516	IEGSU60Z	IEGSU70Z	IEGSU80Z	IEGSU90Z	IEGTTRNA	IEGTTRNB
PT516	IEGTTRNC	IEGTTRND	IEGTTRNE	IEGTTRNF	IEGTTRNG	IEGTTRNH
PT516	IEGTTRNJ	IEGTTRNK	IEGTTRNL	IEGTTRNM	IEGTTRNN	IEGTTRNO
PT516	IEGTTRNP	IEGTTRNR	IEGTTRNT	IEGTTRNX	IEGTTRNZ	IEGTTR0T
PT516	IGC0006A	IGC038				
CQ519	IECKBRKF	IECKCHGT	IECKCHPL	IECKCKRQ	IECKCLOS	IECKCNCL
CQ519	IECKCPPL	IECKCPYQ	IECKCPYT	IECKCVRS	IECKDATE	IECKDCBL
CQ519	IECKDLQT	IECKE0AD	IECKE0BC	IECKE0BK	IECKERMG	IECKEXPD
CQ519	IECKITC P					
CQ519	IECKLKUP	*IECKDRCT				
CQ519	IECKLNCH	IECKMODE	IECKNATE	IECKOCTL	IECKONLT	IECKOPAW
CQ519	IECKPAUS	IECKPLMT	IECKPRTY	IECKQQ01	IECKRELM	IECKRETD
CQ519	IECKRETS	IECKRF40	IECKRF50	IECKROUT	IECKRRTTE	IECKRVT1
CQ519	IECKRV2	IECKRV30	IECKRV40	IECKRV50	IECKRV60	IECKR260
CQ519	IECKSCAN	IECKSDT1	IECKSDT2	IECKSDT3	IECKSD30	IECKSD40
CQ519	IECKSD50	IECKSD60	IECKSEQN	IECKSEQT	IECKSKPC	IECKSKPS
CQ519	IECKSRCE	IECKS260	IECKTIME	IECKTRNS	IECKTYPE	IGC0007G
CQ519	IGC0107G	IGC0207G	IGC0307G	IGC0407G	IGC0507G	IGC0607G
CQ519	IGE0004A	IGE0004E	IGE0004F	IGE0104E	IGE0104F	IGE0204E
CQ519	IGE0204F	IGE0304E	IGE0304F	IGE0404E	IGE0404F	IGE0504E
CQ519	IGE0504F	IGE0604E	IGE0604F	IGE0704E	IGE0704F	IGE0804E
CQ519	IGE0804F	IGE0904E	IGG019NA	IGG019NB	IGG019NC	IGG019ND
CQ519	IGG019NE	IGG019NF	IGG019NG	IGG019NH	IGG019NJ	IGG019NK
CQ519	IGG019NL	IGG019NM	IGG019NN	IGG019NO	IGG019NP	IGG019NQ
CQ519	IGG019NR	IGG019NS	IGG019NT	IGG019NU	IGG019NV	IGG019NW
CQ519	IGG019NX	IGG019NY	IGG019NZ	IGG019N1	IGG019N2	IGG019N3
CQ519	IGG019N8	IGG019N9	IGG0193N	IGG0193D	IGG0193P	IGG0193R
CQ519	IGG0193T	IGG0193U	IGG0193V	IGG0194A	IGG0203N	IGG0203O
CQ519	IGG0203P	IGG0203R				
F0520	IEYALL	IEYEXT	IEYFORT	IEYFORT2	IEYGEN	IEYINT
F0520	IEYPAR	IEYROL	IEYUNF			
ED521	IEWLMADA	IEWLMAPT	IEWLMBTP	IEWLMEND	IEWLMENS	IEWLMENT
ED521	IEWLMESD	IEWLMFNL	IEWLMINC	IEWLMINP	IEWLMINT	IEWLMMAP
ED521	IEWLMOPT	IEWLMOUT	IEWLMRAT	IEWLMRCG	IEWLMREL	IEWLMROU
ED521	IEWLMSCD	IEWLMSCN	IEWLMSYM			
I0523	IFFABA					
I0523	IFFANA	*ANLZ				
I0523	IFFCAN01	IFFGRTRR				
I0523	IFFPAAST	*GSTOR				
I0523	IFFPBAPR	*GCPRNT				
I0523	IFFPCAAR	*GARC				
I0523	IFFPDAPL	*GSPL0T				
I0523	IFFPEAGR	*GCGRID				

IO523	IFFPFAVA	*GVARC				
IO523	IFFPGAVP	*GSVPLT				
IO523	IFFPHALA	*GLABEL				
IO523	IFFPIAPG	*GPGRID				
IO523	IFFPJAPV	*GPVGRD				
IO523	IFFPKADG	*GSDPLT				
IO523	IFFPLARE	*PENTRK				
IO523	IFFPPASG	*GOFFSG				
IO523	IGC0007A	IGC0007C	IGC0007D	IGC0007E	IGC0107A	IGC070
IO523	IGE0010A	IGE0010B	IGE0010C	IGE0110B	IGG0190A	IGG0190B
IO523	IGG0190E	IGG0190J	IGG0190K	IGG0193Y	IGG0193Z	IGG0203Y
CB524	IEQCBL00	IEQCBL10	IEQCBL20	IEQCBL30	IEQCBL40	IEQCBL50
CB524	IEQCBL60	IEQCBL70				
LM525	IHFACPT	IHFATBL				
LM525	IHDFBID4	*IHDFBID	*IHDFBID2			
LM525	IHDFBIEX	*IHDFBIED	*IHDFBIX2			
LM525	IHDFBIIF	*IHDFBIFD	*IHDFBIIL			
LM525	IHDFBSAM	IHDFCLAS				
LM525	IHDFDCIF	*IHDFIDIF				
LM525	IHDFDISP					
LM525	IHDFEFIF	*IHDFEFBI	*IHDFEFID			
LM525	IHDFETBL	IHDFFPWR	IHDFGPWR			
LM525	IHDFIDBI	*IHDFEDBI				
LM525	IHDFIDSR	IHDFIDST				
LM525	IHDFIFBD	*IHDFIFBI	*IHDFIFBX			
LM525	IHDFIFID	*IHDFIFEX				
LM525	IHDFITBL	IHDFSORT	IHDFSTID			
LM525	IHDFTEFP	*IHDFBIFL	*IHDFIDEF	*IHDFIFEF		
LM525	IHDFTRAN	IHDFVCOM				
LM525	IHDFVMQV	*IHDFVMVJ				
LM525	IHDFVTRN	IHDFXDIV	IHDFXMUL	IHDFXPWR		
IO526	IGC054	IGG019GA	IGG019GB	IGG019GC	IGG019GD	IGG019GE
IO526	IGG019GF	IGG019GL	IGG019GM	IGG019GN	IGG019GO	IGG019GV
IO526	IGG019GW	IGG019GX	IGG019GY	IGG019GZ	IGG019G0	IGG019G1
IO526	IGG019G2	IGG019G3	IGG019G4	IGG019G5	IGG019G6	IGG019G7
IO526	IGG019G8	IGG019G9	IGG019HB	IGG019HD	IGG019HF	IGG019HG
IO526	IGG019HH	IGG019HI	IGG019HJ	IGG019HK	IGG019HL	IGG019JI
IO526	IGG019JJ	IGG019JK	IGG019JL	IGG019JM	IGG019JN	IGG019JO
IO526	IGG019JP	IGG019JQ	IGG019JR	IGG019JS	IGG019JT	IGG019JU
IO526	IGG019JV	IGG019JW	IGG019JX	IGG019JO	IGG019J3	IGG019J6
IO526	IGG019J7	IGG0192A	IGG0192B	IGG0192D	IGG0192E	IGG0192F
IO526	IGG0192G	IGG0192H	IGG0192I	IGG0192J	IGG0192K	IGG0192L
IO526	IGG0192M	IGG0192N	IGG0192O	IGG0192P	IGG0192Q	IGG0192R
IO526	IGG0192S	IGG0192T	IGG0192U	IGG0192V	IGG0192W	IGG01928
IO526	IGG01929	IGG0202A	IGG0202D	IGG0202I	IGG0202J	IGG0202K
IO526	IGG0202L	IGG0202M	IGG02029	IGG032I1	IGG032I2	IGG032I3
IO526	IGG032I4	IGG032I5	IGG032I6	IGG032I7	IGG032I8	
DN527	IFBSR000	IFBSR040	IFBSR140	IFBSR340	IFCEP000	IFCEP001
DN527	IFCEP010	IFCEP020	IFCEP030	IFCEP031	IFCEP040	IFCEP041
DN527	IFCEP072	IFCEP104	IFCEP400	IFCEP401		
DN528	IFBSR000	IFBSR050	IFBSR150	IFBSR350	IFCEP000	IFCEP001
DN528	IFCEP010	IFCEP020	IFCEP030	IFCEP031	IFCEP040	IFCEP051
DN528	IFCEP052	IFCEP105	IFCEP500	IFCEP501		
DN529	IFBSR000	IFBSR065	IFBSR165	IFBSR365	IFCEP000	IFCEP001
DN529	IFCEP010	IFCEP020	IFCEP030	IFCEP031	IFCEP040	IFCEP061
DN529	IFCEP072					
DN529	IFCEP106	*IFCSUM67				
DN529	IFCEP650	IFCEP651	IFCEP652	IFCEP752		

DN530	IFBSR000	IFBSR075	IFBSR175	IFBSR375	IFCEP000	IFCEP001
DN530	IFCEP010	IFCEP020	IFCEP030	IFCEP031	IFCEP040	IFCEP071
DN530	IFCEP072	IFCEP107	IFCEP751	IFCEP752	IFCEP753	
AL531	IEX00	*ALGOL				
AL531	IEX10	*IEX10000				
AL531	IEX11	*IEX11000				
AL531	IEX20	*IEX20000				
AL531	IEX21	*IEX21000				
AL531	IEX21M					
AL531	IEX30	*IEX30000				
AL531	IEX31	*IEX31000				
AL531	IEX31M					
AL531	IEX40	*IEX40000				
AL531	IEX50	*IEX50000				
AL531	IEX51	*IEX51ER1	*IEX51ER2	*IEX51000	*IEX51002	
AL531	IEX51M					
LM532	IHIERM					
LM532	IHIERR	*IHIERROR				
LM532	IHIFDD	IHIFDI	IHIFII	IHIFRI	IHIFRR	
LM532	IHIFSA	*IHIFSAIN				
LM532	IHIGPR	*IHIGPRGT	*IHIGPRPT	*IHIGPRCL		
LM532	IHIIAR	*IHIIARRY	*IHIIARRT			
LM532	IHIIBA	*IHIIBARR				
LM532	IHIIBO	*IHIIBOOL	*IHIIBOAR			
LM532	IHIIDE	*IHIIDEIR	*IHIIDEII	*IHIIDEAI		
LM532	IHIIDR	*IHIIOREV	*IHIIOREN	*IHIIORNX	*IHIOROP	
LM532	IHIISY	*IHIISYMB				
LM532	IHILAT	IHILEX	IHILLO			
LM532	IHILOR	*IHILOREL	*IHILORAR			
LM532	IHILSC	*IHILSCC	*IHILSCS			
LM532	IHILSQ					
LM532	IHIQAR	*IHIQARRY				
LM532	IHIQBA	*IHIQBARR				
LM532	IHIQBO	*IHIQBOOL	*IHIQBOAR			
LM532	IHIQIN	*IHIQINTG	*IHIQINAR			
LM532	IHIQST	*IHIQSTRG				
LM532	IHIQSY	*IHIQSYMB				
LM532	IHIQTA	*IHIQTARR				
LM532	IHIPTT	*IHIPTTAB				
LM532	IHISAT	IHISEX	IHISLO			
LM532	IHISOR	*IHISOREL	*IHISORAR			
LM532	IHISSC	*IHISSCC	*IHISSCS			
LM532	IHISSQ					
LM532	IHISYS	*IHISYSCT				
DN533	IFDMSG00	IFDOLT	IGC0005I			
CI535	IEAQAB00	IEAQAD0A	IEAQAD00	IEAQAD01	IEAQAD02	IEAQAD03
CI535	IEAQAD04	IEAQAD05	IEAQAD06	IEAQAD07	IEAQAD08	IEAQED02
CI535	IEAQID00	IEAQLK00	IEAQRAPG	IEAQRORI	IEAQRTO0	IEAQSETS
CI535	IEAQST00	IEAQSY50	IEAQTBO0	IEAQTIO0	IEAQTMOA	IEAQTMO0
CI535	IEAQTMO1	IEAQTMO2	IEAQTMO3	IEAQTMO4	IEAQRTR3	IEAXDS00
CI535	IECIPR16	IEEBASEC	IEECVAE	IEECVCTB	IEECVDP1	IEECVDP2
CI535	IEECVDR1	IEECVDR2	IEECVDR3	IEECVDR4	IEECVED2	IEECVINT
CI535	IEECVOCG	IEECVOP1	IEECVOP2	IEEPALTR	IEEPLDSP	IEEPMNT2
CI535	IEEPPRES	IEEPRTN2	IEEPRWI2	IEEPSTP2	IEEPWILI	IEEVDOR1
CI535	IEEVDRGN	IEEVDSP1	IEEVLDSP	IEEVLIN	IEEVLOGJ	IEEVLOPN
CI535	IEEVLOUT	IEEVLWTR	IEEVL03F	IEEVMNT2	IEEVWAIT	IEFCNVRT
CI535	IEFDLST	IEFDSTBL	IEFDSTRT	IEFIRC	IEFLQCDQ	IEFRDWRT
CI535	IEFSD0XX	IEFSD101	IEFSD102	IEFSD103	IEFSD104	IEFSD110

CI535	IEFSD111	IEFSD112	IEFSD160	IEFSD161	IEFSD162	IEFSD164
CI535	IEFSD165	IEFSD166	IEFSD263	IEFSD267	IEFSD447	IEFVHR
CI535	IEFVKG	IEFVPOST	IEF060SD	IEF061SD	IEF065SD	IEF082SD
CI535	IEF083SD	IEWFETCH	IEWSQVR	IFBSR395	IFCEP040	IFCEP072
CI535	IFCEP091	IFCEP109	IFCEP950	IFCEP951	IFCEP952	IFCEP953
RC536	IHKAADSP	IHKABALC	IHKABLRD	IHKABLST	IHKABLWR	IHKABLWT
RC536	IHKABRER	IHKABXMT	IHKBCCR	IHKCAINT	IHKCAMSN	IHKCAOSR
RC536	IHKCARJN	IHKCASHB	IHKCASHD	IHKCASHJ	IHKCASHL	IHKCASHM
RC536	IHKCASHO	IHKCASHT	IHKCASHU	IHKCASTP	IHKCBCLD	IHKCBLDM
RC536	IHKCBLGF	IHKCBLGN	IHKCBNIP	IHKCBQFS	IHKCBRJS	IHKCBSDO
RC536	IHKCBSTD	IHKCBUID	IHKCCPLM	IHKCCQMG	IHKCCSCN	IHKCCSGN
RC536	IHKCCSUD	IHKCDBDC	IHKCDBIN	IHKCDBIS	IHKCDBMI	IHKCDBPK
RC536	IHKCDBSH	*IHKCDMSH				
RC536	IHKCDBTX	*IHKCDBTW				
RC536	IHKCDFMR	IHKCDINI	IHKCDMDE	IHKCDMDQ	IHKCDMEQ	IHKCDRIN
RC536	IHKCDRMV	IHKCDSCH	IHKCEDIT	IHKCEJPR	IHKCENDJ	IHKCERDR
RC536	IHKCFBDR	IHKCFMSG				
RC536	IHKCFOUT	*IHKCFQOP				
RC536	IHKCFSTA	*IHKCFSTB				
RC536	IHKCFWMS	IHKCGALT	IHKCGCNT	IHKCGDLT	IHKCGDT2	IHKQMNGR
RC536	IHKRJBGJN	IHK1503D				
LM537	IFFAAA01	IFFAAA02	IFFAAA03	IFFAAA04	IFFAAA05	IFFAAA06
LM537	IFFACA00	IFFACA01	IFFACA02	IFFACA03	IFFACA04	IFFACA05
LM537	IFFACA06	IFFACA07	IFFACA08	IFFACA13	IFFACA50	IFFADA01
LM537	IFFADA02	IFFADA03	IFFAEA01	IFFAEA02	IFFAEA03	IFFAEA04
LM537	IFFAEA06	IFFAEA07				
LM537	IFFAFA01	*IFFAFA16				
LM537	IFFAFA02	IFFAFA03				
LM537	IFFAFA04	*IFFAFA17				
LM537	IFFAFA05	*IFFAFA18				
LM537	IFFAFA06	IFFAFA07	IFFAFA08			
LM537	IFFAFA09	*IFFAFA10				
LM537	IFFAFA11	IFFAFA12	IFFAFA13	IFFAFA14	IFFAFA15	IFFAFA19
LM537	IFFAGA01	IFFAGA02	IFFAGA03	IFFAGA04	IFFAGA05	IFFAGA06
LM537	IFFAGA07	IFFAGA08	IFFAHA01	IFFAHA02	IFFAHA03	IFFAHA04
LM537	IFFAHA05					
LM537	IFFAHA06	*IFFAHA15				
LM537	IFFAHA07	IFFAHA09	IFFAHA11	IFFAHA12		
LM537	IFFAHA13	*IFFAHA14				
LM537	IFFAHA16	*GSP01				
LM537	IFFAJA01					
LM537	IFFAJA02	*IFFAJA03				
LM537	IFFAJA04					
LM537	IHCGSP01	*INGSP				
LM537	IHCGSP02	*TMGSP				
LM537	IHCGSP03					
DN539	IFCEP655	IGFASROA	IGFASROB	IGFASROC	IGFASROD	IGFASRO1
DN539	IGFASR1A	IGFASR1C	IGFASR1D	IGFASR10	IGFASR2C	IGFASR2D
DN539	IGFASR20	IGFASR3C	IGFMFT00	IGFMVT00		
RC541	IGC0008&	IGC1703D	IKAACCTG	IKABDHK	IKABENDA	IKACKXT
RC541	IKACTL	IKADAT	IKADGM	IKADIA	IKADIR	IKADMSG
RC541	IKADOR	IKAEXT	IKAIERR	IKAINIT	IKAJCL	IKALPM
RC541	IKAMBEGO	IKAMCSRO	IKAMDES0	IKAMENTO	IKAMERRO	IKAMINIT
RC541	IKAMRECO	IKAMSPE0	IKAMWRI0	IKAPBEGO	IKAPCAN0	IKAPCSRO
RC541	IKAPDES0	IKAPENTO	IKAPLOG0	IKAPLON0	IKAPRDGM	IKAPRECO
RC541	IKAPROCO	IKAPSMBO	IKAPSPE0	IKAPWRI0	IKASCH	IKASDENQ
RC541	IKASD079	IKASD080	IKASD081	IKASD082	IKASD083	IKASD084
RC541	IKASMBCL	IKASMBSA	IKASMBS1	IKASMBS2	IKASMBS3	IKASMBS4

RC541	IKASPD	IKATCSTO	IKATDESO	IKATENTO	IKATLOGO	IKATLONO
RC541	IKATREC0	IKATSPEO	IKATWRI0	IKAO79SD	IKAO82SD	IKAO83SD
	SYS1.GENLIB					
	SYS1.MACLIB					
CI505	ABEND	ATTACH	CALL	CHAP	CHKPT	DELETE
CI505	DEQ	DETACH	ENQ	EXCP	EXTRACT	FREEMAIN
CI505	DEVTYPE					
CI505	GETMAIN	IDENTIFY	IHERMAC	IHBINNRB	IHBOPLST	LINK
CI505	IOHALT					
CI505	LOAD	POST	RESERVE	RETURN	SAVE	SEGLD
CI505	SEGWT	SNAP	SPIE	STAE	STIMER	TIME
CI505	TTIMER	WAIT	WAITR	WTL	WTO	WTOR
CI505	XCTL					
DM508	BLDL	BSP	BUILD	CAMLST	CATALOG	CHECK
DM508	CLOSE	CNTRL	DCB	DCBD		
DM508	EOV	FEOV	FINO	FREEBUF	FREEPOOL	GET
DM508	GETBUF	GETPOOL	IHBINRA	IHBRDWRD	IHBRDWRK	IHBRDWRS
DM508	IHBO1	IHBO2	INDEX			
DM508	LABEL	LCTRL	LOCATE	NOTE	OBTAIN	OPEN
DM508	POINT	PRTOV	PUT	PUTX	RDJFCB	READ
DM508	RELSE	RENAME	SCRATCH	SETPRT	STOW	SYNADAF
DM508	SYNADRLS	TRUNC	WRITE	XDAP		
DM509	FREEDBUF	RELEX				
CQ513	ASMRTAB	CHGNTRY	DFTRMLST	IECTDECB	IHBRDWR	LERB
CQ513	LERPRT	LOPEN	ONLTST	RELBUF	REQBUF	RESETPL
CQ513	TRANSLATE	TWAIT				
PT516	DUMP	GO	SET	TEST	TRACE	
CQ519	BREAKOFF	BUFFER	CANCEL	CHNGP	CHNGT	CKREQ
CQ519	CLOSEMC	COPYP	COPYQ	COPYT	COUNTER	DATESTMP
CQ519	DIRECT	DLIST	ENDRCV	ENDREADY	ENDSEND	EOA
CQ519	EOB	EOBLC	ERRMSG	INTERCPT	LOGSEG	LPSTART
CQ519	MODE	MSGTYPE	OPCTL	OPTION	PAUSE	POLL
CQ519	POLLIMIT	POSTRCV	POSTSEND	PROCESS	RCVHDR	RCVSEG
CQ519	RELEASEM	REROUTE	RETRIEVE	ROUTE	SENDRDR	SENDSEG
CQ519	SEQIN	SEQOUT	SKIP	SOURCE	STARTLN	STOPLN
CQ519	TERM	TERMTBL	TIMESTMP	TRANS		
IO523	ANALYZ	ASGNBFR	ATTNINQ	BUFINQ	DAR	GATC
IO523	GBFLM	GBINF	GBPOS	GBPST	GCNL	GCNOP
IO523	GCNTRL	GCON	GDCDS	GDPD	GDRD	GDS
IO523	GDSF	GDV	GECF	GECV	GECV	GENS
IO523	GEOS	GEP12	GEPM	GESD	GESM	GESU
IO523	GEVI2	GEVM	GFEF	GFFM	GFRM	GIBLC
IO523	GINIT	GLCW	GLIC	GLRC	GLRR	GLTR
IO523	GLVS	GMLD	GMLW	GMSR	GMVA	GMVD
IO523	GNOP2	GNOP4	GODEL	GPDI	GRDA	GRDB
IO523	GRDE	GRDS	GREAD	GREADR	GSBLC	GSBPOS
IO523	GSCW	GSERV	GSIC	GSRT	GSXY	GTDD
IO523	GTND	GTNS	GTNZ	GTOS	GTRU	GTRI
IO523	GTR2	GTR3	GTR4	GTSL	GTX	GTZE
IO523	GUSTOR	GWRITE	IHBGAM1	IHBGAM2	IHBGAM3	OACB
IO523	RLSEBFR	SAEC	SPAR			
IO526	ESETL	SETL				
CI535	STATUS					
RC536	RJELINE	RJETABL	RJETERM	RJEUSER		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.GENLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSRS3

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
03031532	05030160			CENPROCS
05031531	06033190			CTRL PROG
04059072	06050847			CVT
02031103	04031790			EDITOR
02031185	03030032			FORTLIB
03032120	04030032			FORTRAN
01032841	03030470			GENERATE
	00030800	GJOBCTL		
01031711	03030470			GRAPHICS
03051886	05052133			IEAAIH
09052716	01052060			IEAANIP
05051980	07051284			IEAAPS
05051886	07052183			IEAATA
04052057	06051770			IEAATC
02054061	03053204			IEAAWT
	00010794	IEAQAT		
00018127	02011301			IEAQBK
	00051653	IEAQCH		
	00001656	IEAQET		
01012403	02013122			IEAQFX
	00000000	IEAQGM		
01012948	03011726			IEAQU
	00050467	IEAQPR		
03051238	05050667			IEATCB
03051720	04050239			IEATRC
02052007	03051913			IECICS
03054001	04050840			IECIDT
09053329	01052227			IECIOS
05054001	07050732			IECIUCB
03052007	05050831			IECXTCH
01012346	03030943			IEEBASEA
	00033358	IEEBASEB		
	00013139	IEECUCM		
00052625	01050675			IEEGMSLT
00053911	01050100			IEFAJCTB
00054007	01050677			IEFASCTB
00052497	01050668			IEFJFCBN
00058172	01053139			IEFSD032
	00013334	IEFSD033		
01011157	02010740			IEFUCBOB
04052440	05051211			IEJFAGAO
	00033148	IGFASRN1		
	01031692	IGFCATAP		
	00031094	IHBTSC		
06031792	08030460			IOCONTRL
10032290	02030461			IODEVICE
	00033200	PARTITNS		
03662130	04033000			PL1
08032290	10030720			SCHEDULR
00011182	01013125			SCVT
08032410	10030780			SGGBLPAK

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.GENLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR3

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
08932290	10030790			SGGEN100
	00051350	SGIEA2AT		
00017021	02011770			SGIEA2BK
03031054	05030616			SGIEA2CV
	00053071	SGIEA2GM		
05032424	07030832			SGIEA2NP
01012417	03011901			SGIEA2NU
	00053078	SGIEA2PR		
03031911	05031493			SGIEA2SC
00017021	01012410			SGIEA2ST
04032338	06031306			SGIEA2SU
02031153	03033252			SGIEA2TA
02034239	04031379			SGIEA2TB
02031153	04030821			SGIEA2TC
02034239	03033204			SGIEA2WP
06032359	08050822			SGIEA3IC
04035203	06031203			SGIEA5SU
04052121	05520801			SGIECODT
	00012943	SGIEC0UC		
04031641	05030740			SGIEC2DT
03032680	04030780			SGIEC2PT
01039044	02030122			SGIEC2SV
	00012943	SGIEC2UC		
07032500	10031949			SGIEC202
	00010800	SGIEC4UC		
03031739	04030946			SGIEC5DM
01030000	02030401			SGIEC5IS
06032494	07031493			SGIEC5PS
05012441	07010780			SGIEC5TP
06031467	07033247			SGIEC500
	01031793	SGIEE0VV		
02012363	03011735			SGIEE00V
04032431	06031179			SGIEE201
04032433	05033133			SGIEE301
01057071	02050371			SGIEF011
07032709	08033620			SGIEF211
06032413	07033318			SGIEF441
08032843	10030833			SGIEF442
02012528	04010711			SGIEF443
01012528	03010676			SGIEF444
02058041	03050930			SGIEG000
01033067	02031086			SGIEG200
02034096	03030648			SGIEH401
05032570	06031142			SGIEH402
04052380	06051411			SGIEK001
	00050460	SGIEK006		
01033050	02050727			SGIEK205
03052380	05051411			SGIEK401
01033050	02050727			SGIEK405
03032570	04050727			SGIEK406
04052080	05050727			SGIEK502

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.GENLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR3

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
02031780	03033220			SGIEM2A0
01031780	02033220			SGIEM4T0
02031722	03013410			SGIEM5C0
05052300	06050101			SGIEP000
01052880	02051250			SGIEQ000
01051670	02051250			SGIEQ200
02011657	03013405			SGIER401
	00053264	SGIEW001		
	00053264	SGIEW201		
04034091	05053313			SGIEW400
02031641	03033208			SGIFC200
02032402	03033116			SGIFC201
02032405	03033121			SGIFC300
06032405	08030593			SGIFC400
01034134	02030196			SGIFF2BM
03031663	04031080			SGIFF5LS
	00032576	SGIGF200		
02031780	04030723			SGIHE5LA
02031780	03033160			SGIHE5PB
03031780	04033160			SGIHE5PC
	01010814	SGIHK400		
	01010814	SGIHK500		
	00010840	SGIKA201		
	01012346	SGIKA401		
	00010817	SGIKA501		
03032410	05030780			SGPAK248
03033410	05030955			SGRELLEV
06932421	08033410			SUPRVSOR
	00032790	UCS		

0000030 MODULES HAVE BEEN ADDED
 0000000 MODULES HAVE BEEN DELETED
 0000101 MODULES HAVE BEEN ALTERED
 0000131 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MACLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR33

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01012440	03010780			ASMTRTAB
00016031	01010400			ATTACH
00010050	01010840			ATTNINQ
01000000	02013160			BUFFER
01011752	03010642			DEQ
01011757	03010818			ENQ
04012411	05011191			GCNTRL
04012411	05011191			GREAD
03012411	04011191			GWRITE
02012432			IECTIOBX	
02012420			IIEECUCM	
00018172			IIEECVMUG	
00018172			IEEREFER	
00018172			IIEUCDC	
00018172			IIEUCDP	
00018172			IIEUCDX	
00018172			IEFSD033	
04011157	05010824			IHBERMAC
01011660	02011171			LERB
00014104	01013180			LOPEN
01011612	02011171			LPSTART
	00010800	ONLTST		
00014029	02011657			POST
	00012800	RESERVE		
03012432	04010793			RESETPL
	01011210	RJELINE		
	00013320	RJETABL		
	01011210	RJETERM		
	00012860	RJEUSER		
	00012943	SETPRT		
00011038	01010825			SNAP
	00032599	STATUS		
00011818	01010832			SYNADAF
00000000	02011640			TERM
01011660	02010793			TWAIT
00015004	01010832			XDAP

000008 MODULES HAVE BEEN ADDED
 000008 MODULES HAVE BEEN DELETED
 000020 MODULES HAVE BEEN ALTERED
 000036 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.LINKLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00000000	05010693			IEHIOSUP
03112516			IEMOF	
03112516			IEMRA	
02113497			IEPPGQ00	
	00000000	IEWLF440		
00110000			IEYGEN	
03011651	04010262			IFCDIP00

0000001 MODULES HAVE BEEN ADDED
 0000004 MODULES HAVE BEEN DELETED
 0000002 MODULES HAVE BEEN ALTERED
 0000007 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.SVCLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
03013124	04011951			IGC0002A
04014062	06112471			IGC0002E

0000000 MODULES HAVE BEEN ADDED
 0000000 MODULES HAVE BEEN DELETED
 0000002 MODULES HAVE BEEN ALTERED
 0000002 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
DSNAME=SYS1.COBLIB
RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED	
03013083	04011242			IHD00400	
03013083	04011242			IHD00401	ALIAS
00017056	02011242			IHD03101	
01113497	02010102			IHD03102	
00017057	01011243			IHD03108	

0000000 MODULES HAVE BEEN ADDED
0000000 MODULES HAVE BEEN DELETED
0000004 MODULES HAVE BEEN ALTERED
0000004 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
DSNAME=SYS1.NUCLEUS
RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
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0000000 MODULES HAVE BEEN ADDED
0000000 MODULES HAVE BEEN DELETED
0000000 MODULES HAVE BEEN ALTERED
0000000 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01017146	02010831			IHEADDO
01017148	02010831			IHEAPDA
01017148	02010831			IHEAPDB
01017320	02010831			IHEATL1
01017320	02010831			IHEATL2
01017320	02010831			IHEATL3
01017320	02010831			IHEATL4
01017321	02010831			IHEATS1
01017321	02010831			IHEATS2
01017321	02010831			IHEATS3
01017321	02010831			IHEATS4
	01010742	IHEBEGA		ALIAS
	01010742	IHEBEGN		ALIAS
01017352	02010832			IHEBSAO
01017353	02010832			IHEBSCO
01017354	02010832			IHEBSDO
01017355	02010833			IHEBSFO
01017356	02010833			IHEBSIO
00011411	02010833			IHEBSKA
02011411	04010833			IHEBSKK
02011411	04010833			IHEBSKR
01017358	02010833			IHEBSMF
01017358	02010833			IHEBSMV
01017358	02010833			IHEBSMZ
01017359	02010833			IHEBSNO
01017360	02010834			IHEBSOO
01017361	03010832			IHEBSS2
01017361	03010832			IHEBSS3
02011432	04010832			IHECFAA
03012167	05010833			IHECFBA
00011411	01010833			IHECFCA
	01010833	IHECKPT		
01017368	02010833			IHECNTA
01017368	02010833			IHECNTB
01017362	02010830			IHECSO
02011411	03010830			IHECSIO
02011411	03010830			IHECSKK
02011411	03010830			IHECSKR
01017365	02010830			IHECSMB
01017365	02010830			IHECSMF
01017365	02010830			IHECSMH
01017365	02010830			IHECSML
01017365	02010830			IHECSMV
01017366	03010831			IHECSS2
01017366	03010831			IHECSS3
00011411	01010831			IHEDBN
02011411	03010831			IHEDBNA
00011412	01010831			IHEDCN
03011412	04010831			IHEDCNA
03011412	04010831			IHEDCNB
01012841	03010831			IHEDDIA

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01012841	03010831			IHEDDIB ALIAS
00011404	01010831			IHEDDJ ALIAS
02011404	03010831			IHEDDJA
00011412	02010742			IHEDDO ALIAS
02011412	04010742			IHEDDOA
02011412	04010742			IHEDDOB ALIAS
02011412	04010742			IHEDDOC ALIAS
02011412	04010742			IHEDDOD ALIAS
	01010742	IHEDDOE		ALIAS
00011412	02010832			IHEDDP ALIAS
02011412	04010832			IHEDDPA
02011412	04010832			IHEDDPB ALIAS
02011412	04010832			IHEDDPC ALIAS
02011412	04010832			IHEDDPD ALIAS
	00010742	IHEDDT		ALIAS
	00010742	IHEDDTA		
	00010742	IHEDDTB		ALIAS
	00010742	IHEDDTC		ALIAS
	00010742	IHEDDTD		ALIAS
	00010742	IHEDDTE		ALIAS
00011412	02010832			IHEDIA ALIAS
02011412	04010832			IHEDIAA
02011412	04010832			IHEDIAB ALIAS
01017178	02010832			IHEDIBA
01017178	02010832			IHEDIBB ALIAS
01011051	02010832			IHEDIDA
01012165	03010832			IHEDIE ALIAS
03012165	05010832			IHEDIEA
01017181	02010833			IHEDILA
01017181	02010833			IHEDILB ALIAS
00011404	01010833			IHEDMA ALIAS
02011404	03010833			IHEDMAA
00011412	01010830			IHEDNB ALIAS
02011412	03010830			IHEDNBA
00011419	02010830			IHEDNC ALIAS
02011419	04010830			IHEDNCA
00011412	01010830			IHEDOA ALIAS
02011412	03010830			IHEDQAA
02011412	03010830			IHEDQAB ALIAS
01017187	03010833			IHEDQBA
01017187	03010833			IHEDQBB ALIAS
01017187	03010833			IHEDQBC ALIAS
01017188	02010831			IHEDODA
01017188	02010831			IHEDODB ALIAS
00011413	01010833			IHEDOE ALIAS
02011413	03010833			IHEDQEA
02011413	04010831			IHEDSPA
	01010834	IHEDUMC		ALIAS
	01010834	IHEDUMJ		ALIAS
04011413	06010834			IHEDUMP
	01010834	IHEDUMT		ALIAS

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSRSI

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01017324	02010830			IHEEFLC
01017324	02010830			IHEEFLF ALIAS
01017325	02010830			IHEEFSC ALIAS
01017325	02010830			IHEEFSF
04012200	16010670			IHEERRA
04012200	16010670			IHEERRB ALIAS
04012200	16010670			IHEERRC ALIAS
04012200	16010670			IHEERRD ALIAS
01017326	02010833			IHEEXLO
01017327	02010461			IHEEXSO
01017330	02011020			IHEHTLO
01017331	02010833			IHEHTSO
	00010470	IHEIBTA		
	00010470	IHEIBTB		ALIAS
	00010470	IHEIBTC		ALIAS
	00010470	IHEIBTD		ALIAS
	00010470	IHEIBTE		ALIAS
	00010742	IHEIGTA		
02011500	04010470			IHEIOAA
01011500	03010470			IHEIOAB ALIAS
	01010470	IHEIOAC		ALIAS
	01010470	IHEIOAD		ALIAS
01011416	03010470			IHEIOBA
01011416	03010470			IHEIOBB ALIAS
02011416	04010470			IHEIOBC ALIAS
02011416	04010470			IHEIOBD ALIAS
02011416	04010470			IHEIOBE ALIAS
01017376	00000000			IHEIOCA
01017376	6 3 140			IHEIOCB ALIAS
01017376	6 3 140			IHEIOCC ALIAS
	6 3 140	IHEIOCT		ALIAS
04012164	16010741			IHEIODG
04012164	16010741			IHEIODP ALIAS
02011432	03010834			IHEIOEA
03012165	05010336			IHEIOFA
02011455	04010742			IHEIOGA
02011416	04010742			IHEIOPA
02011416	04010742			IHEIOPB ALIAS
02011416	04010742			IHEIOPC ALIAS
02018102	04010401			IHEIOXA
02018102	04010401			IHEIOXB ALIAS
02018102	04010401			IHEIOXC ALIAS
03011417	05010834			IHEITAA
01017112	03010831			IHEJXII
01017112	03010831			IHEJXIY ALIAS
01017113	02010830			IHEJXSI
01017113	02010830			IHEJXSY ALIAS
02012168	04010830			IHEKCA ALIAS
02012168	04010830			IHEKCAA
02012168	04010831			IHEKCB ALIAS
04012168	06010831			IHEKCBA

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR51

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00011404	01010831			IHEKCD ALIAS
02011404	03010831			IHEKCDA
02011404	03010831			IHEKCDB ALIAS
01012840	03010751			IHELDIA
01012840	03010751			IHELDIB ALIAS
01012840	03010751			IHELDIC ALIAS
01012840	03010751			IHELDID ALIAS
03011418	04010570			IHELDOA
03011418	04010570			IHELDOB ALIAS
03011418	04010570			IHELDOC ALIAS
01017332	02010831			IHELNLD ALIAS
01017332	02010831			IHELNLE ALIAS
01017332	02010831			IHELNL2
01017333	02010831			IHELNSD ALIAS
01017333	02010831			IHELNSE ALIAS
01017333	02010831			IHELNS2
	01010832	IHELSPA		
	01010832	IHELSPB		ALIAS
	01010832	IHELSPC		ALIAS
	01010832	IHELSPD		ALIAS
	01010832	IHELSP E		ALIAS
00011418	01010832			IHEMAIN
01017155	02010833			IHEM XBN ALIAS
01017155	02010833			IHEM XBX
01017156	02010834			IHEM XDN ALIAS
01017156	02010834			IHEM XDX
01017157	02010833			IHEM XLN ALIAS
01017157	02010833			IHEM XLX
01017158	02010833			IHEM XSN ALIAS
01017158	02010833			IHEM XSX
01012168	03010832			IHEM91 ALIAS
01012168	03010832			IHEM91A
01012168	03010832			IHEM91B ALIAS
01012168	03010832			IHEM91C ALIAS
01017114	02010830			IHENL1A ALIAS
01017114	02010830			IHENL1L ALIAS
01017114	02010830			IHENL1N
01017115	02010830			IHENL2A ALIAS
01017115	02010830			IHENL2L ALIAS
01017115	02010830			IHENL2N
02011420	04010401			IHEOCLA
02011420	04010401			IHEOCLB ALIAS
	01010401	IHEOCLC		ALIAS
	01010401	IHEOCLD		ALIAS
	00010611	IHEOCTA		
	00010611	IHEOCTB		ALIAS
	00010611	IHEOCTC		ALIAS
	00010611	IHEOCTD		ALIAS
01017310	02010831			IHEOSDA
02011419	03010831			IHEOSEA
03011419	04010831			IHEOSSA

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED	
00011419			IHEOSWA		
01017116	02010832			IHEPDF0	
01017117	02010832			IHEPDLO	
01017118	02010832			IHEPDS0	
02011410	04010743			IHEPRTA	
02011410	04010743			IHEPRTB	ALIAS
01017122	02010833			IHEPSFO	
01017123	02010833			IHEPSLO	
01017124	02010833			IHEPSS0	
	00010373	IHEPTTA			
	00010373	IHEPTTB		ALIAS	
	01010680	IHESADA		ALIAS	
03011420	05010680			IHESAPA	
03011420	05010680			IHESAPB	ALIAS
00011420	02010680			IHESAPC	ALIAS
00011420	02010680			IHESAPD	ALIAS
	00010830	IHESARB			
01017336	02010830			IHESHLC	ALIAS
01017336	02010830			IHESHLS	
01017337	02010831			IHESHSC	ALIAS
01017337	02010831			IHESHSS	
01017128	02010830			IHESMFO	
01017129	02010830			IHESMGC	
01017129	02010830			IHESMGR	ALIAS
01017130	02010830			IHESMHC	
01017130	02010830			IHESMHR	ALIAS
01017338	02010831			IHESNLC	ALIAS
01017338	02010831			IHESNLK	
01017338	02010831			IHESNLS	ALIAS
01017338	02010831			IHESNLZ	ALIAS
01017339	02010831			IHESNSC	ALIAS
01017339	02010831			IHESNSK	ALIAS
01017339	02010831			IHESNSS	
01017339	02010831			IHESNSZ	ALIAS
02011410	03010831			IHESQLO	
01017343	02010832			IHESQSO	
03011410	05010832			IHESRCA	
03011410	05010832			IHESRCB	ALIAS
03011410	05010832			IHESRCC	ALIAS
03011410	05010832			IHESRCD	ALIAS
03011410	05010832			IHESRCE	ALIAS
03011410	05010832			IHESRCF	ALIAS
00011410	01010832			IHESRDA	
	00010360	IHESRTA			
	00010360	IHESRTB		ALIAS	
	00010360	IHESRTC		ALIAS	
	00010360	IHESRTD		ALIAS	
01017132	02010833			IHESSFO	
01017133	02010834			IHESSGC	
01017133	02010834			IHESSGR	ALIAS
01017134	02010833			IHESSHC	

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01017134	02010833			IHESSHR ALIAS
	00010751	IHESTGA		
	00010751	IHESTGB		ALIAS
00017319	02010833			IHESTRA
00017319	02010833			IHESTRB ALIAS
	01010833	IHESTRC		ALIAS
00017401	01010833			IHETABS
	01010670	IHETCVA		
	01010670	IHETCVB		ALIAS
	01010832	IHETEAA		
	01010832	IHETER		ALIAS
	01010832	IHETERA		
	01010832	IHETEVA		
01017346	02010833			IHETHLO
01017347	02010833			IHETHSO
01017348	02010833			IHETNLD
01017348	02010833			IHETNLR ALIAS
01017349	02010830			IHETNSD
01017349	02010830			IHETNSR ALIAS
	01010830	IHETPBA		
	01010831	IHETPRA		
	01010582	IHETSAA		ALIAS
	01010582	IHETSAB		ALIAS
	01010582	IHETSAD		ALIAS
	01010582	IHETSAO		ALIAS
	01010582	IHETSAP		
	01010743	IHETSEA		
	01010332	IHETSSA		
	00010743	IHETSWA		
00011404	01010831			IHEUPA ALIAS
02011404	03010831			IHEUPAA
02011404	03010831			IHEUPAB ALIAS
00011404	01010831			IHEUPB ALIAS
02011404	03010831			IHEUPBA
02011404	03010831			IHEUPBB ALIAS
00011405	01010831			IHEVCA ALIAS
02011405	03010831			IHEVCAA
00011405	01010832			IHEVFA ALIAS
02011405	03010832			IHEVFAA
00011422	02011060			IHEVFB ALIAS
02011422	04011060			IHEVFBA
00011422	01010832			IHEVFC ALIAS
02011422	03010832			IHEVFCA
00011422	01010832			IHEVFD ALIAS
02011422	03010832			IHEVFDA
00011422	01010832			IHEVFE ALIAS
02011422	03010832			IHEVFEA
00011410	01010832			IHEVKB ALIAS
02011410	03010832			IHEVKBA
00011410	01010833			IHEVKC ALIAS
02011410	03010833			IHEVKCA

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PL1LIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00011453	02010611			IHEVKF ALIAS
03011453	05010611			IHEVKFA
00011420	02010611			IHEVKG ALIAS
02011420	04010611			IHEVKG A
00011420	01010834			IHEVPA ALIAS
02011420	03010834			IHEVPAA
00011422	02010670			IHEVPB ALIAS
02011422	04010670			IHEVPBA
00011422	02010743			IHEVPC ALIAS
03011422	05010743			IHEVPCA
00011420	01010833			IHEVPD ALIAS
02011420	03010833			IHEVPDA
00011420	01010833			IHEVPE ALIAS
02011420	03010833			IHEVPEA
00011421	01010833			IHEVPF ALIAS
02011421	03010833			IHEVPFA
00011422	01010833			IHEVPG ALIAS
02011422	03010833			IHEVPGA
00011656	01010834			IHEVPH ALIAS
02011656	03010834			IHEVPHA
00011421	01010834			IHEVQAA
00011421	02010743			IHEVQB ALIAS
00011421	02010743			IHEVQBA
00011421	01010612			IHEVQC ALIAS
00011421	01010612			IHEVQCA
00011423	01010831			IHEVSA ALIAS
02011423	03010831			IHEVSAA
00011423	02010831			IHEVSB ALIAS
02011423	04010831			IHEVSBA
00011423	01010831			IHEVSC ALIAS
02011423	03010831			IHEVSCA
00011656	01010831			IHEVSD ALIAS
02011656	03010831			IHEVSDA
02011656	03010831			IHEVSDB ALIAS
00011656	01010830			IHEVSE ALIAS
02011656	03010830			IHEVSEA
02011656	03010830			IHEVSEB ALIAS
00011423	01010830			IHEVSF ALIAS
02011423	03010830			IHEVSFA
01017224	02010830			IHEVTBA
01017163	02010830			IHEXIBO
01017164	02010832			IHEXIDO
01017165	02010831			IHEXILO
01017166	02010831			IHEXISO
01017171	02010832			IHEXXLO
01017172	02010832			IHEXXSO
01017136	02010833			IHEYGFS ALIAS
01017136	02010833			IHEYGFV
01017137	00010833			IHEYGLS ALIAS
01017137	00010833			IHEYGLV
01017138	00010833			IHEYGSS ALIAS

CHANGE LEVEL AND MODIFICATION REPORT
DSNAME=SYS1.PL1LIB
RELEASE 16.26 VS. RELEASE 14.0 SYSR51

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
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01017138	00010833			
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IHEYGSV

0000021	MODULES HAVE BEEN ADDED
0000001	MODULES HAVE BEEN DELETED
0000148	MODULES HAVE BEEN ALTERED
0000170	TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
DSNAME=SYS1.FORTLIB
RELEASE 16.26 VS. RELEASE 14.0 SYSR51

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
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0000000	MODULES HAVE BEEN ADDED
0000000	MODULES HAVE BEEN DELETED
0000000	MODULES HAVE BEEN ALTERED
0000000	TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.PROCLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01211700	01010860			ALGOFCL
01211700	01010860			ALGOFCLG
01211700	01010860			ALGOFCLG
001 1000	000 0 00			IEABLD00
00150 00	01012521			IEAIGG00
01011000	01012521			IEARSV00
00013132			IEEVRPCR	
00015066			IEEVWPCR	
	01033314	INIT		
00012520	02010668			RDR
01012520	03010671			RDR3200
01012520	03010671			RDR400
01011056	02010753			RPGEC
01019016	02010753			RPGECLG
01011056	02010753			RPGELG

000001 MODULES HAVE BEEN ADDED
 000002 MODULES HAVE BEEN DELETED
 000012 MODULES HAVE BEEN ALTERED
 000015 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.SORTLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
03011726	04012937			IERRPG

000000 MODULES HAVE BEEN ADDED
 000000 MODULES HAVE BEEN DELETED
 000001 MODULES HAVE BEEN ALTERED
 000001 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01032930	03010723			ADCON= ALIAS
00012086	01010721			ALGAMA ALIAS
00055215	01053530			ALGOL ALIAS
01012000	02010726			ALOG ALIAS
01012000	02010726			ALOG10 ALIAS
00012083	01010723			ARCOS ALIAS
	00010552	ARITH=		ALIAS
00012083	01010723			ARSIN ALIAS
00012242	02011361			ASMBLR ALIAS
00012084	01010726			ATAN ALIAS
00012084	01010726			ATAN2 ALIAS
00012068	01010722			CABS ALIAS
00012072	01010721			CCOS ALIAS
00012062	01010722			CDABS ALIAS
00012066	01010721			CDCOS ALIAS
00012064	01010721			CDEXP ALIAS
00012065	01010721			CDLOG ALIAS
00012066	01010721			CDSIN ALIAS
00012070	01010721			CEXP ALIAS
00012071	01010721			CLOG ALIAS
02032272	03010722			COS ALIAS
00012087	01010726			COSH ALIAS
00012088	01010726			COTAN ALIAS
00012072	01010721			CSIN ALIAS
00012077	01010727			DARCOS ALIAS
00012077	01010727			DARSIN ALIAS
00012078	01010727			DATAN ALIAS
00012078	01010727			DATAN2 ALIAS
02032271	03010746			DCOS ALIAS
00012081	01010727			DCOSH ALIAS
00012082	01010722			DCOTAN ALIAS
	00010722	DEBUG=		ALIAS
01012000	02010726			DEXP ALIAS
00012080	01010721			DGAMMA ALIAS
01032930	03010470			DIOCS= ALIAS
00012080	01010721			DLGAMA ALIAS
01012000	02010727			DLOG ALIAS
01012000	02010727			DLOG10 ALIAS
02032271	03010746			DSIN ALIAS
00012081	01010727			DSINH ALIAS
01012000	02010726			DSQRT ALIAS
00012082	01010722			DTAN ALIAS
01012000	02010722			DUMP ALIAS
00012074	02012351			EMODVOL1
	00010380	ERRMON		ALIAS
	00010380	ERRSAV		ALIAS
	00010380	ERRSET		ALIAS
	00010380	ERRSTR		ALIAS
01012000	02010726			EXP ALIAS
	00010726	FCDXI=		ALIAS
	00010726	FCXPI=		ALIAS

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01052000	02010725			FDXPD= ALIAS
01052000	02010725			FDXPI= ALIAS
14111779	06010470			FIOCS= ALIAS
01052000	02010725			FIXPI= ALIAS
	00010722	FRDNL=		ALIAS
01052000	02010725			FRXPI= ALIAS
01052000	02010725			FRXPR= ALIAS
	00010722	FWRNL=		ALIAS
00012086	01010721			GAMMA ALIAS
02013000	03010840			GSVPLT ALIAS
01032930	03010720			IBCOM= ALIAS
	00010722	IBERH=		ALIAS
00012013	01010722			IBERR= ALIAS
01012298	02011020			IEAAAD0A
	00010813	IEAAAD0B		
03017126	05011935			IEAAAD00
01018174	03011020			IEAAAD01
04011646	05011020			IEAAAD02
04031432	06031020			IEAAAD03
03011725	05010834			IEAAAD05
02056066	03010831			IEAAAT00
	00031394	IEAADEQ0		
02051153	03010792			IEAADL00
02011542	03053121			IEAAEF00
	00030272	IEAAENQ0		
02058174	03050483			IEAAID00
00057119	01052650			IEAAJOBQ
01051671	02050931			IEAAPX00
	00011283	IEAATMOA		
07012987	09012227			IEAATM00
02111453	04010934			IEAATM01
01018175	02010825			IEAATM02
02011710	03011214			IEAATM03
04011753	06010824			IEAATM04
07011796	08011497			IEAATM05
00054774	01050931			IEAAXR00
01051153	02010792			IEACDL00
01051141	02010792			IEADDL00
01054147	02053139			IEAGAB00
00056097	02050826			IEAGENQ1
	00030640	IEAGENQ2		
01000000	02051020			IEAGPL00
	00011772	IEAGTMOA		
05052987	07050824			IEAGTM00
	01030825	IEAGTM05		
	01032228	IEAGTM06		
00051000	01050793			IEAIAB00
01052288	03052280			IEAQAB00
00017088	01011060			IEAQAD0A
00017088	01011060			IEAQAD00
00011208	02011060			IEAQAD01

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRS2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00010061	01013365			IEAQAD02
00011208	02011020			IEAQAD03
00019043	01010930			IEAQAD04
01013391	02010817			IEAQAD05
00017088	01010930			IEAQAD06
00010061	01010930			IEAQAD07
00017088	02010960			IEAQAD08
00053113			IEAQAT00	
00052112	02050664			IEAQED02
01052775	03050640			IEAQENQ2
	00030640	IEAQENQ3		
01000000			IEAQGM01	
00056056	01053125			IEAQLK00
00055174			IEAQPRTO	
	00032609	IEAQRAPG		
	00033152	IEAQRORI		
	00030441	IEAQSETS		
00055001	01052359			IEAQST00
00056135	01050812			IEAQSY50
01051671	02050612			IEAQTB00
00000013	01050812			IEAQTI00
	01032250	IEAQTMOA		
01012288	03012280			IEAQTM00
00010061	02011020			IEAQTM01
01012288	03012374			IEAQTM02
01012288	03012239			IEAQTM03
00012604	02010821			IEAQTM04
00055146	01050786			IEAQTR33
	00010242	IEASMS00		
	00010243	IEATMS00		
	00010243	IEAUMS00		
	00010242	IEAVMS00		
00054059	01050730			IEAORT10
03052024	04050730			IEAOST00
01053067	02051164			IEAOTI00
00054059	01053139			IEAOTI01
00051069	02051132			IEBASCAN
03050118	04050514			IEBCCS02
02051420	03053532			IEBCOPYC
04052296	05052053			IEBCOPYD
00032410	01033412			IEBEDIT
01054042	02050470			IEBGENRT
06052220	08050664			IEBGEN03
00052074	01117060			IEBISAM
	01117060	IEBISC		
00052074	01117060			IEBISF
00052074	01117060			IEBISL
	01117060	IEBISMES		
	01117060	IEBISPL		
00052074	01117060			IEBISSI
01052128	01117060			IEBISSO

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00052074	01117060			IEBISU
06052692	07053543			IEBPPAL1
09053140	01050681			IEBPPCHI
04050118	05050411			IEBPPUNI
07051754	08051394			IEBUPDAT
01052224	03051132			IEBUPDTE
02053380	04051101			IEBUPDT2
00051069	02051131			IEBUPLOG
03012987	05012227			IECIPR12
01052987	03052202			IECIPR16
01011580	02011171			IECKBRKF
01014667	02013160			IECKCLOS
02011661	03011210			IECKCNCL
01011670	02012010			IECKDLQT
01011641	02010770			IECKDRCT
01011641	02012010			IECKEQAD
02014667	03013160			IECKE0BC
01011641	02010770			IECKEXPD
01011670	02011171			IECKITCP
01011641	02010770			IECKLKUP
01114669	03011171			IECKLNCH
01011641	02010770			IECKMODE
01011610	02010771			IECKNATE
00014667	02011210			IECKOCTL
00011880	01013170			IECKONLT
00014667	01013170			IECKOPAW
01011610	02010771			IECKPLMT
01011610	02010771			IECKPRTY
01011610	02011171			IECKRELM
02011711	03011171			IECKRETS
01011611	02010771			IECKRF40
02011611	03010771			IECKRF50
01011611	02010772			IECKROUT
01011880	02010772			IECKRRTE
02011611	03010773			IECKRVT1
02011611	03010773			IECKRVT2
02011611	03010772			IECKRV30
01011611	02010772			IECKRV40
02011611	03010772			IECKRV50
02011611	03010773			IECKRV60
01011611	02010773			IECKR260
02011611	03011170			IECKSDT1
02011611	03011170			IECKSDT2
00011611	01011170			IECKSDT3
02011611	03010773			IECKSD30
01011611	02010774			IECKSD40
02011611	03010774			IECKSD50
02011611	03010774			IECKSD60
01011642	02010774			IECKSEQN
01011641	02010760			IECKSKPC
01011611	02010760			IECKSKPS

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CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSRS2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01014667	03011021			IECKSRCE
01011641	02011170			IECKS260
01011611	02010760			IECKTRNS
01011611	03011060			IECKTYPE
00011245	01013190			IECTLOPN
01011666	02010792			IECTONLT
01010006	02013180			IECTTRNS
04051701	06052015			IEC23XXB
03011714	05012015			IEC23XXC
04051664	06052015			IEC23XXD
03000000	05012016			IEC23XXE
01057004			IEC2311A	
	00032978	IEECIR50		
00052343	01051060			IEECNDUM
00058115	01050730			IEECVCRX
00052605	01050730			IEECVCTB
01053123	02053213			IEECVCTI
00058115	01053133			IEECVCTW
00052164	02051145			IEECVED2
01059128	02053126			IEECVPMC
01051111	02053133			IEECVPMP
01119615	02050241			IEECVPMX
01051420	02052589			IEECVPRG
02052307	03053139			IEECVWTO
	01031710	IEEDFIN1		
	01030872	IEEDFIN2		
	01032228	IEEDFIN3		
	01031373	IEEDFIN4		
	01032213	IEEDFIN5		
	00031436	IEEDFIN6		
	00030860	IEEDFIN7		
	00032213	IEEDFIN8		
06052365	07050665			IEEGES01
00055004	01050773			IEEIC3JF
00056038	01051060			IEEILCDM
02052344	03050652			IEEMCR01
03051421	04051453			IEEMXC01
02057056	03050652			IEEMXR01
00050052	01052984			IEEPALTR
00056119	02050772			IEEPLDSP
01052368	03050773			IEEPMNT2
00057044	01050772			IEEPPRES
01052231	03050800			IEEPRTN2
01052199	03050800			IEEPRWI2
01052328	03051715			IEEPWILI
01050099	02050773			IEEQOT00
00052118	01050772			IEEREADR
	00033320	IEESD561		
	01030824	IEESD562		
	00033143	IEESD563		
	00030192	IEESD564		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
	00033143	IEESD565		
	00030680	IEESD566		
	00000794	IEESD567		
	00033358	IEESD568		
	00030435	IEESD571		
	01031139	IEESD590		
	01032392	IEESD591		
	00030052	IEESD592		
	00030180	IEESD593		
02052695	03050367			IEESTART
01052331	03051136			IEEVACTL
00057088	02052122			IEEVATT1
00055174			IEEVDNX1	
	00050684	IEEVDOR1		
00050038	01053131			IEEVDRGN
01052307	03030818			IEEVDSP1
00052605	01050783			IEEVICLR
02052216	03050800			IEEVJCL
01052307	02050772			IEEVLIN
01052273	03050800			IEEVLNKT
00052194	01050784			IEEVLOGJ
00051208	01050773			IEEVLOPN
00052605	01050773			IEEVLOUT
01053384	03052139			IEEVMNT1
01052372	02050801			IEEVMMSG1
00032346	01030801			IEEVOMSG
01051724	02050765			IEEVPRES
01052404	04052395			IEEVRCTL
01052368	02050801			IEEVSMSG
02052656	04050801			IEEVSTAR
00052193			IEEVSTP2	
01052372	03051143			IEEVTCTL
00052605	01050773			IEEVWAIT
	00033122	IEEVWTOR		
04056020	06052134			IEEWTC01
04056020	06050652			IEEWTR01
00012193	01010462			IEE0303D
01011660	02013210			IEE0403D
00016000	01010773			IEE0503D
01011669	02010773			IEE0603D
01012363	03012127			IEE0703D
00012194	01011561			IEE0803D
00012606	02011146			IEE0903D
01011726	02011508			IEE1103D
01051111	02050241			IEE1203D
00031724	01030774			IEE1603D
00032346	01031559			IEE2103D
	01030772	IEFACT		
01054014	02050760			IEFACTFK
03050065	04050760			IEFACTLK
01056159	02050760			IEFACTRT

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00052605			IEFALDSP	
01052307			IEFALTEQ	
	00050510	IEFAVFAK		
00011816	02010834			IEFBR14
	00012840	IEFCNVRT		
01053067	02050761			IEFDPOST
00052348	01050765			IEFHAFAK
00052348	01050784			IEFHCBFK
00052349	01050775			IEFHFFAK
00056038	01050761			IEFIDFAK
03052160	04050761			IEFIDMPM
06051754	07050161			IEFIDUMP
04052364	05050603			IEFINTQA
00032482	02030772			IEFIRC
00057141	01050761			IEFK1MSG
	00013468	IEFLOCDQ		
00055174	02050772			IEFORMAT
02051793	03051702			IEFPRES
02052349	03050762			IEFPRFAK
04052400	06052017			IEFPRTXX
00056092	01050770			IEFQAGST
01052309	03050770			IEFQASGQ
00052605	01050774			IEFQBVMS
01052309	02050641			IEFQDELQ
01052297	03050770			IEFQMDQQ
00055146	02050771			IEFQMNQQ
00056092	02050771			IEFQMRAW
00052605	01050771			IEFQMUNQ
	00012831	IEFRDWRT		
03052344	04050688			IEFSD001
03052345	04050762			IEFSD002
04052357	05051440			IEFSD003
07052507	08051166			IEFSD004
02054239	03050762			IEFSD006
03052356	04051160			IEFSD007
02052345	03050763			IEFSD008
04052400	05050763			IEFSD009
04053522	06052116			IEFSD010
02054030	03050688			IEFSD011
00057021	01050763			IEFSD016
01057216	02050763			IEFSD017
00051096	02052091			IEFSD055
01053492	03051461			IEFSD059
01052370	03050233			IEFSD070
01052370	02050770			IEFSD078
01052370	03050833			IEFSD079
01052370	02050770			IEFSD080
01053150	03050770			IEFSD081
01052370	02051244			IEFSD082
01052370	03050771			IEFSD083
01052370	03050771			IEFSD084

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01052370	03052122			IEFSD085
01052371	03050771			IEFSD086
01052057	03052153			IEFSD087
00051096	01050772			IEFSD088
00051096	01050772			IEFSD089
00052349	01050761			IEFSD090
00050025	01051286			IEFSD094
00050025	01050772			IEFSD095
01052360	02051210			IEFSD096
00052606	01050774			IEFSD102
00031961	02030774			IEFSD105
00053113	01052866			IEFSD110
00051094	01053127			IEFSD111
00057204	01053127			IEFSD112
00051101			IEFSD113	
01052212	03050771			IEFSD160
02052508	04051443			IEFSD161
01052306	03052189			IEFSD162
00055146	01050664			IEFSD164
01052371	03050773			IEFSD171
00050052	01052072			IEFSD195
02053420	04050680			IEFSD21Q
01052286	02050655			IEFSD263
00056198	02050771			IEFSD267
00052650	01052856			IEFSD300
00054070	02050772			IEFSD301
00052650	02050772			IEFSD302
01052309	02050773			IEFSD303
00053029	02052228			IEFSD304
01052057	03050773			IEFSD305
00051182	01051631			IEFSD308
01051754	03050683			IEFSD31Q
00052650	01050773			IEFSD310
00055044	02050603			IEFSD311
00055044	02050774			IEFSD312
01051754	02053152			IEFSD42Q
	00012831	IEFSD447		
	00030676	IEFSD510		
	01032134	IEFSD511		
	00030435	IEFSD512		
	01031724	IEFSD513		
	00033259	IEFSD514		
	01031768	IEFSD515		
	00032829	IEFSD516		
	00032829	IEFSD517		
	01032061	IEFSD530		
	00030435	IEFSD531		
	00033328	IEFSD532		
	00030295	IEFSD533		
	00033092	IEFSD534		
	00033120	IEFSD535		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSRS2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
	00033129	IEFSD536		
	00033328	IEFSD537		
	00032416	IEFSD540		
	00032557	IEFSD541		
	00033205	IEFSD551		
	00033205	IEFSD552		
	00031224	IEFSD553		
	00031224	IEFSD554		
	00031631	IEFSD555		
	00032209	IEFSD556		
	00033353	IEFSD557		
	00033175	IEFSD558		
	00033175	IEFSD559		
	00031240	IEFSD567		
	00033163	IEFSD572		
	00033119	IEFSD587		
	01001761	IEFSD588		
	01001761	IEFSD589		
	00010612	IEFSD597		
	00032561	IEFSD598		
	01031724	IEFSD599		
00052343	01050764			IEFSEPAR
00057022			IEFSYDUM	
00058172	01050764			IEFS15XL
01053066	03052273			IEFVDA
00052120	02050762			IEFVDBSD
01053358	01052374			IEFVEA
01053073	03052111			IEFVFA
01032890	02030772			IEFVFB
00054079	01050761			IEFVGI
00051182	01050654			IEFVGK
01052688	02052973			IEFVGM
00052356	01050772			IEFVGMSS
00056021	01052972			IEFVGM11
00052120	01050774			IEFVGM15
01052369	02050833			IEFVGM16
00032360	02030774			IEFVGM17
00032225	02030775			IEFVGM18
	01030770	IEFVGM19		
00058012	01050770			IEFVGM2
00058012	01050668			IEFVGM3
00051208	01050770			IEFVGM4
00056023	01050770			IEFVGM5
00058012	01050771			IEFVGM6
00057088	01050771			IEFVGM7
01052139	02050771			IEFVGM70
01052369	02050771			IEFVGM78
00056014	01050771			IEFVGM8
00056009	01050772			IEFVGM9
00055174	01050760			IEFVGS
00052194	01050760			IEFVGT

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01052921	02052116			IEFVHA
00054069	01050762			IEFVHAA
01052367	02050237			IEFVHB
00058012	01052134			IEFVHC
01053263	02050677			IEFVHCB
01052352	03050784			IEFVHE
01052410	03050677			IEFVHEB
00058013	01051021			IEFVHEC
00058013	01050677			IEFVHF
01052808	03052112			IEFVHG
01053418	03051021			IEFVHH
	01030764	IEFVHHB		
01052404	02050763			IEFVHL
01052369	02050763			IEFVHM
01033141	03031583			IEFVHN
01052352	03050761			IEFVHQ
01052368	03050764			IEFVHR
01032411	03030746			IEFVH1
02032360	04030836			IEFVH2
00050038	02050760			IEFVJA
03051791	05051571			IEFVJIMP
01055190	02050760			IEFVJMSG
	01030833	IEFVKG		
00058036	01052090			IEFVKIMP
00056172	01050760			IEFVKMSG
00057027	01050760			IEFVMLK5
09052975	01052201			IEFVMLS1
03052343	04051571			IEFVMLS6
03052513	04051220			IEFVMLS7
02058175	03051668			IEFVM2LS
05052653	08050825			IEFVM3LS
04052402	06050762			IEFVM4LS
01051421	03050762			IEFVM5LS
02056022	03050762			IEFVM76
00053029	02050677			IEFVSD12
00058022	01050762			IEFV15XL
01053124	02051146			IEFWAD
00057030	01050762			IEFWAFK
07052342	09052228			IEFWA000
00057031	01050763			IEFWCFK
10052427	12051512			IEFWCIMP
00057032	01050763			IEFWDFK
06051610	08052212			IEFWD000
02057052	03050670			IEFWD001
00053010	01050763			IEFWS DIP
01051794	02050677			IEFWSTRT
00051942	01050763			IEFWSWIN
02051756	04050676			IEFWTERM
04052345	05050671			IEFW21SD
00057075	02050763			IEFW22SD
00053009	01050764			IEFW23SD

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01051756	03050680			IEFW31SD
01057057	03050764			IEFW41SD
00054089	02050764			IEFW42SD
00057039	01050764			IEFXAFAK
07052350	08051451			IEFXCSSS
03056056	04050661			IEFXH000
00057041	01050770			IEFXJFAK
06053492	07051641			IEFXJIMP
02051611	04050770			IEFXJMSG
00052348	01050770			IEFXKFAK
04051796	05052572			IEFXKIMP
03052348	04050770			IEFXKMSG
00052081	01050771			IEFXTDMY
00059065	01050771			IEFXTFAK
01057055	02050771			IEFXTMSG
08052366	10001586			IEFXTOOD
	09052400	IEFXT002		
	00051783	IEFXT003		
00057141	01050772			IEFXVFAK
01052351	02050670			IEFXVMSG
00057141	01050772			IEFXVNSL
01053137	03052228			IEFXV001
00057141	01050772			IEFX1FAK
00057141	01050772			IEFX2FAK
00057141	01050773			IEFX3FAK
00052348	01050773			IEFX5FAK
00057047	01050773			IEFYNFAK
07052429	09051571			IEFYNIMP
01055192	02050773			IEFYNMSG
04052340	05050773			IEFY PJB3
01057049	02050774			IEFY PMSG
04052307	05050942			IEFYSSMB
00050008	01051094			IEFYSVMS
00057245	01050774			IEFZAFAK
05051238	06050823			IEFZAJB3
05052366	07050670			IEFZGJB1
01055191	02050774			IEFZGMSG
10052366	12050679			IEFZGST1
00055084	01050775			IEFZHFAK
05056022	07050802			IEFZHMSG
00057054	01050775			IEF04FAK
	00013068	IEF060SD		
00052605	01050772			IEF078SD
00052605	01050773			IEF079SD
00055084	01050775			IEF09FAK
00050064			IEF15ACT	
00055084	01050775			IEF23FAK
01051199			IEF3MSG1	
01051199			IEF3MSG2	
01051199			IEF3MSG3	
01056022			IEF3MSG4	

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01051196			IEF3MSG5	
01051196			IEF3MSG6	
03051196			IEF3MSG7	
00051096	01050772			IEF300SD
00051096	01050772			IEF304SD
00052348	01050775			IEF35DUM
01057010			IEF6BOCM	
03056070			IEF6CLNP	
00057058			IEF6CN17	
02057063			IEF6COND	
00055015			IEF6DCB0	
04051733			IEF6DCDP	
02053005			IEF6DDHD	
00055011			IEF6DDNM	
00057257			IEF6DHX1	
00055016			IEF6DSNM	
03051139			IEF6EQUL	
00053021			IEF6ERR1	
00056035			IEF6FRRS	
02051794			IEF6INST	
00053032			IEF6KLXX	
01055074			IEF6LFPR	
00052136			IEF6LIST	
01052078			IEF6MCXX	
01057063			IEF6MFXX	
01057063			IEF6MIXX	
02051647			IEF6MKXX	
00055007			IEF6NAME	
01051752			IEF6NCJB	
00056124			IEF6NDDX	
00000000			IEF6NFCM	
00053019			IEF6NIJB	
04051522			IEF6NJEX	
00055008			IEF6NLST	
00053020			IEF6NXJB	
00053021			IEF6NYJB	
00053022			IEF6NZJB	
00053018			IEF6N1JB	
00055014			IEF6ORDR	
06051464			IEF6OUT2	
02051196			IEF6PARM	
01053005			IEF6PROC	
00051005			IEF6RFBK	
00056036			IEF6RFWD	
00055013			IEF6RTPR	
02055106			IEF6SCAN	
00053028			IEF6STNM	
00057273			IEF6TIME	
00055005			IEF6VALU	
02051196			IEF7KAXX	
01052357	03050682			IEF7KGXX

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
02052357	03050651			IEF7KPXX
02052357	03052098			IEF7K3XX
03051771			IEF7K4XX	
01053017			IEF7MMCM	
00053027			IEF8LINK	
01013017	02011271			IEGMC00A
00014062	02011141			IEGNP00A
01017063	02010441			IEGNS00A
02016063	03010516			IEGNY00A
00017008	01011227			IEGPG00A
02017011	03011253			IEGRLO0A
00019006	01011280			IEGTTRNA
00019006	01011283			IEGTTRNB
00019006	01011283			IEGTTRNC
00019006	01011283			IEGTTRND
00019006	01011283			IEGTTRNE
02012582	04011283			IEGTTRNF
01017011	02011281			IEGTTRNG
02018041	03011282			IEGTTRNH
05012424	07011274			IEGTTRNJ
01016023	02011315			IEGTTRNK
01018041	02011282			IEGTTRNL
00019006	01011282			IEGTTRNM
00019006	01011283			IEGTTRNN
00019006	01011283			IEGTTRNP
00019006	01011283			IEGTTRNR
03012424	04010449			IEGTTRNT
00019005	01011240			IEGTTROT
	00051453	IEHDANAL		
	00051240	IEHDAQUT		
	00051418	IEHDASDR		
	00051417	IEHDASDS		
	00051230	IEHDCELL		
	00051291	IEHDCONS		
	00050923	IEHDDATE		
	00051417	IEHDDUMP		
	00051417	IEHDEXCP		
	00051145	IEHDGETA		
	00050970	IEHDLABL		
	00050995	IEHDMSGB		
	00051230	IEHDMSGS		
	00052198	IEHDPASS		
	00051417	IEHDPRNT		
	00051420	IEHDREST		
	00050921	IEHDSCAN		
	00051246	IEHDVTOC		
01052582	02053556			IEHINITT
04011643	05010693			IEHIOSUP
02050118	03053554			IEHMVESA
03056001	05051077			IEHMVESC
	00050313	IEHMVESE		ALIAS

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
03051053	04050326			IEHMVESL
03051600	04051551			IEHMVESN
01057122	02051550			IEHMVMRY
01051995	02050030			IEHMVMRZ
00052074	01052920			IEHVMVTL
03052633	04050122			IEHMVSRA
02053001	03051086			IEHMVSRD
60731719	01050055			IEHMVSRV
03052348	04050057			IEHMVSRX
02050106	03051551			IEHMVSRY
01052651	02052018			IEHMVSSF
02056009	03050640			IEHMVSSV
05051600	06051551			IEHMVSSX
04051601	05053387			IEHMVSSY
05053317	06050313			IEHVMXSE
05052233	06050672			IEHPRINT
03052680	04052764			IEHPRG2
02052558	03053531			IEHSCAN
03012580	04011640			IEJFAAAO
03012580	04011640			IEJFAABO
00010033	01011860			IEJFCAA0
04012121	06011290			IEJFEAA0
05011734	06010930			IEJFGAA0
02012000	03011860			IEJFNAA0
04014066	05010109			IEJFRAA0
05113498	06010109			IEJFVAA0
00032420	02031430			IEKAA00
00013664	01010030			IEKATB
00011640	02011481			IEKCAR
01012860	03011311			IEKCCR
00011170	02117101			IEKCDO
00012280	02011350			IEKCDP
00012080	02011490			IEKCDT
00011450	02012180			IEKCGC
00013660	01011452			IEKCIO
00011170	01011176			IEKCLT
01013170	03011291			IEKCSF
00011570	02011410			IEKCSR
00011421	01011311			IEKCTN
00011740	02011350			IEKDCL
00011730	02011176			IEKDIO
00011291	01013141			IEKFOMH
00012080	03116408			IEKFIOCS
00013660	02011174			IEKGCR
01013210	03011173			IEKGCZ
00011530	02011200			IEKGDA
00011640	02011173			IEKGEV
00012620	01013141			IEKGMP
00012231	01011291			IEKGST
00012230	02011452			IEKJA
00011560	02011451			IEKJAL

ALIAS

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00011250	01013540			IEKJAN
00011261	01010710			IEKJA1
00011241	01010021			IEKJBF
00011560	02011271			IEKJCP
00012231	02011451			IEKJDF
00011260	01013540			IEKJFI
00011240	01013460			IEKJFU
00011260	02011173			IEKJGR
00013664	01010021			IEKKCN
00011260	01010030			IEKKOP
00011230	01013540			IEKKPA
00011240	01013541			IEKKRE
00011560	01010021			IEKKSA
00011260	01010021			IEKKSM
00012230	02011481			IEKKST
00013660	01010022			IEKKUN
00011240	01010022			IEKLAB
00013664	02011451			IEKLER
00012160	01010030			IEKLGK
00011250	01010021			IEKLMA
00013664	01010160			IEKLRG
00011250	02011173			IEKLTB
00011200	02011172			IEKPB
00012200	02011172			IEKPGK
01013480	02011172			IEKPLS
00011631	02011172			IEKPO
00011200	01013171			IEKPT
00011200	02011172			IEKPZ
00012270	02011452			IEKP30
00011200	02011174			IEKQAA
00012231	02011172			IEKQBM
01013480		IEKQCA		
00011630	01013171			IEKQCF
00011630	01013171			IEKQCL
01013480		IEKQFM		
00011650	01013171			IEKQKO
00011630	02011172			IEKQMT
00011400	01013171			IEKQPF
00011660	02011172			IEKQSM
00012200	02011172			IEKQSR
00011440	01013171			IEKQTL
00011630	01013143			IEKQWT
00012231	01013143			IEKQXM
00011660	01013171			IEKQXS
00013660	01011175			IEKRBP
00012200	01013143			IEKRCI
00011181	01010031			IEKRFL
00012200	01013143			IEKRFK
00011720	02011372			IEKRFK
00012080	02011311			IEKRF1
00012020	02011175			IEKRGB

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00013660	01013250			IEKRS
01012861	02011174			IEKRSL
00012050	02011175			IEKRSS
00012130	02011241			IEKR SX
01013170	03011360			IEKSBS
00011170	02011174			IEKTA
00011170	01011311			IEKTD T
00011700	01011174			IEKTEN
00010771	01011241			IEKTEP
00011600	02011271			IEKTFM
00011860	01011360			IEKTIO
00011601	01011240			IEKTIS
00010771	01011174			IEKTLB
00012020	01011370			IEKTL OAD
00011640	01013144			IEKT PR
00013660	01011241			IEKUEN
01013170	02013492			IEKVAD
00010812	01013144			IEKVFP
00010790	01013492			IEKVM2
00011170	01013540			IEKVTS
00010800	01013492			IEKWCN
00012160	02011201			IEKXRF
00011170	01011201			IEKXRS
06011443	08010570			IEMAA
08012160	10010660			IEMAB
02011445	03013280			IEMAC
02011445	03013280			IEMAD
04011445	05012930			IEMAE
03011446	04013280			IEMAG
00011470	01013280			IEMAH
00011410	01013331			IEMAI
00011410	01013331			IEMAJ
01012160	02013240			IEMAK
	00013210	IEMAL		
02011410	03013210			IEMAM
	00013210	IEMAN		
01011416	02013220			IEMAS
03011416	05010721			IEMAV
03011416	04013280			IEMBC
02011417	04010670			IEMBE
01011417	02013281			IEMBF
03011417	04013240			IEMBG
02011417	03013340			IEMBI
00011417	01013260			IEMBJ
01011417	02012931			IEMBM
01011437	02013281			IEMBN
01011437	02013350			IEMBO
01011437	02013340			IEMBP
01011437	02013010			IEMBR
00011437	01013159			IEMBS
01011437	02013281			IEMBT

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01011438	02013281			IEMBU
01011438	02012931			IEMBV
03012161	04013281			IEMBW
03011410	05010370			IEMBX
02011420	03013250			IEMCA
02011420	03013220			IEMCC
02011420	03013150			IEMCE
03011420	05010720			IEMCG
07012171	09010370			IEMCI
02011420	03013150			IEMCK
03011425	04013220			IEMCL
04011425	05013010			IEMCM
02011421	04010720			IEMCN
07011421	09010720			IEMCO
03011421	05010721			IEMCP
02011421	03013150			IEMCR
04011421	05013150			IEMCS
05011421	07010461			IEMCT
05011425	07010721			IEMCV
03011421	04013150			IEMCW
00011438	01013140			IEMED
00011446	01013010			IEMEF
03011471	04013260			IEMEG
02011446	03013150			IEMEH
04011446	16010721			IEMEI
03011446	04013210			IEMEJ
00000013	02010721			IEMEK
07011447	99990721			IEMEL
03011447	05010721			IEMEM
02011460	04010620			IEMEP
02011447	04010520			IEMEV
05011460	07010690			IEMEW
00011460	02010580			IEMEX
03011447	05010720			IEMEY
03011447	05010721			IEMEZ
03011423	05010721			IEMFA
02011423	04010620			IEMFB
03012161	04013240			IEMFE
03011472	05011090			IEMFF
05011423	07010660			IEMFI
02011423	03013282			IEMFK
05011423	07010470			IEMFO
02011423	03013221			IEMFP
04011422	16010750			IEMFQ
06012160	08010620			IEMFT
01011422	03010620			IEMFU
02011472	04010740			IEMFV
03011422	05010372			IEMFW
04011422	16010740			IEMFX
02011422	04010741			IEMFY
00011422	02010721			IEMFZ

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
03011410	05010720			IEMGA
	00013270	IEMGB		
	01010711	IEMGC		
04011410	05013157			IEMGK
	01010680	IEMGO		
02011410	04010681			IEMGP
02011410	04010681			IEMGQ
06012171	08010681			IEMGR
05012161	06013150			IEMGU
04011411	05013261			IEMGV
03012161	04013160			IEMHF
02011473	03013351			IEMHG
02011412	04010540			IEMHK
03011412	05010810			IEMHL
03011412	05010661			IEMHP
03011470	04013282			IEMIA
02011424	03013160			IEMIB
	00013150	IEMIC		
02011424	03013273			IEMIG
01011424	03010590			IEMIL
08012172	10010591			IEMIM
04011425	16010590			IEMIN
02011425			IEMIO	
04011425	16010590			IEMIP
04011448	16010591			IEMIQ
00011448	02010600			IEMIT
	00013251	IEMIX		
	00013251	IEMJD		
	01010720	IEMJI		
	01010681	IEMJJ		
05011412	07010710			IEMJK
03011412	05010651			IEMJL
03011412	05010720			IEMJM
04011413	16010460			IEMJP
01011410	02013282			IEMJZ
03011413	04013160			IEMLA
02011413	03013160			IEMLB
03012161	04013080			IEMLC
01011413	02013252			IEMLD
02011413	04010712			IEMLG
02011413	04010470			IEMLH
03011413	04010192			IEMLR
04011414	16010330			IEMLS
03011414	05010712			IEMLT
03011414	05010541			IEMLU
02011414	03013012			IEMLV
05012160	06013271			IEMLW
02011414	03013241			IEMLX
	01010670	IEMLY		
02011414	04010462			IEMMB
03011431	04013080			IEMMC

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
	01010751	IEMMD		
01012161	03010671			IEMME
00011415	02010670			IEMMF
03011415	04013081			IEMMG
04012161	05013013			IEMMH
06012161	07013013			IEMMI
02011570	04011443			IEMMJ
05011415	06013330			IEMMK
04011415	05013341			IEMML
07012161	09010720			IEMMM
05012171	07010800			IEMMN
02012162	04010521			IEMMO
02011416	03013151			IEMMP
03012162	05010640			IEMMS
04012162	16010640			IEMMT
05011416	06013151			IEMNA
00011416	02010712			IEMNB
03011416	04013270			IEMNG
00011417	02010712			IEMNH
01011417	03010661			IEMNJ
01011417	02013331			IEMNK
02011417	03013216			IEMNM
02011417	04010440			IEMNN
02011417	03013216			IEMNT
02011417	03013274			IEMNU
03011417	05010401			IEMNV
03011418	04013151			IEMOB
02011418	03013211			IEMOC
00011418	02010720			IEMOD
02011418	04010521			IEMOE
03112516	05010720			IEMOF
03012170	04012934			IEMOG
03011418	04013380			IEMOH
00011419	01013284			IEMOI
00011419	01013284			IEMOM
01012170	02013284			IEMON
01012170	02013284			IEMOO
	00013161	IEMOP		
	00013161	IEMOQ		
03011419	04013283			IEMOS
04011419	05013284			IEMOT
02011419	04010800			IEMOU
	00013252	IEMPA		
05011449	06013152			IEMPD
04012170	16010332			IEMPH
02011421	03013162			IEMPL
04011426	05013162			IEMPM
02011426	03013081			IEMPP
04012164	16010740			IEMPT
02011427	04010610			IEMPU
	01010640	IEMPV		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
03011427	05010741			IEMQF
04012170	05013332			IEMQG
02011427	03013332			IEMQH
02011427	03013283			IEMQJ
03011428	04013284			IEMQK
	01010542	IEMQL		
	01011160	IEMQU		
	01011091	IEMQX		
03112516	05010500			IEMRA
06641851	08010743			IEMRB
00011421	02010720			IEMRC
02011421	04010722			IEMRF
03011452	05010651			IEMRG
04012170	16010721			IEMRH
02011432			IEMTA	
03011432	05010721			IEMTF
02011432	03013284			IEMTJ
02011433	03013284			IEMTK
05012170	17011860			IEMTO
02011433	04010373			IEMTP
00011433	01013285			IEMTQ
02011433	03013153			IEMTT
02011434	03013272			IEMTU
04011500	05013101			IEMUA
04011434	05013101			IEMUB
03011434	04013158			IEMUC
02011452	04010542			IEMUD
	01011860	IEMUE		
02011434	03013285			IEMUF
03011434	04013285			IEMUG
04011500	05013272			IEMUH
00011435	01013153			IEMUI
03011435	05010721			IEMXA
03011435	04013285			IEMXB
00011435	01013082			IEMXC
02011471	04010610			IEMXF
01011435	02013162			IEMXG
01011435	02012936			IEMXH
01011435	02013015			IEMXI
02011452	03013215			IEMXJ
00011436			IEMXK	
00011436			IEMXL	
02011412	04010651			IEMXO
02011412	04010610			IEMXP
01011412	03010610			IEMXQ
01011412	03010333			IEMXR
01011413	03010610			IEMXS
01011413	03010610			IEMXT
03011413	05010610			IEMXU
00011413	01013153			IEMXV
00011413	02010461			IEMXW

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00011414			IEMXX	
04011414	16010333			IEMYL
03011414	05010333			IEMYM
02011415	04010403			IEMYN
04011415	05013286			IEMYO
00011415	01013162			IEMYP
00011415	01013215			IEMYQ
02011437	04010611			IEMYX
01011436	03010661			IEMYY
07012201	09011242			IEPALC00
01017042	02011241			IEPAS00
03014065	05011241			IEPAS100
00014064	01010102			IEPAS300
01016001	02011242			IEPAS400
01111858	02010102			IEPAS500
00017036	01010102			IEPAS600
03017049	04010102			IEPDBG00
06012340	08011240			IEPDPC00
00015021	01011240			IEPDST00
03016240	04011240			IEPDS100
06012340	08011240			IEPDS200
06012202	07010180			IEPIOT00
06011796	07011240			IEPLIT00
02016240	03010090			IEPLST00
03013083	04010102			IEPPD200
01012202	02011241			IEPPGP00
02113497	04011241			IEPPGQ00
06012201	08011245			IEPPG400
02016247	03011243			IEPPG500
06011652	07010091			IEPPG600
08011734	10011243			IEPPG900
01113117	03011240			IEPPMG00
08012340	10011242			IEPPS100
07011652	09011242			IEPPS200
05012201	06010091			IEPPS300
06011723	08011242			IEPPS400
04011724	06011242			IEPPT100
02016252	03010102			IEPPT300
05012202	07011240			IEPSET00
04011735	06011240			IEPSMG00
02014148	03010102			IEPTRM00
02052060	04051250			IEQCBL00
04012660	06012320			IEQCBL10
04012750	06011251			IEQCBL20
04012241	05011251			IEQCBL30
02011691	04011251			IEQCBL40
04012660	06011990			IEQCBL50
03011690	05011251			IEQCBL60
04012241	06011251			IEQCBL70
02011601	03010664			IERABJ
01011615	02010515			IERABW

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
02011614	03010380			IERADS
03012270	04012937			IERAGA
03011614	04011486			IERAGD
03011721	04012121			IERAGE
02011596	03012931			IERAGI
02011721	03012931			IERAGK
02011590	03012000			IERAOM
03012270	04010381			IERAON
01011985	02010802			IERAOW
01011985	02010785			IERAOX
03012270	05011993			IERBGA
02011581	03010684			IERRBJ
05011586	06013106			IERRCB
02011586	03011205			IERRCE
06012271	08012001			IERRCI
04011724	05013156			IERRCK
05012270	07011993			IERRCR
07012270	09011993			IERRCS
02011585	03012930			IERRDS
02011586	03012121			IERRGE
03011985	04012004			IERROA
02011985	03012129			IERROB
03012270	04010395			IERRON
01011985	02010510			IERROW
01011985	02010670			IERROX
00011593	01010231			IER8PM
01052200	03051480			IESRPG
00058060	02050753			IES00010
00058061	02050753			IES00910
01052200	02050754			IES03010
00058063	02050754			IES03910
00058064	01050140			IES04010
00058065	02050754			IES04910
01052051	02050140			IES05010
00058067	02050754			IES05910
00058068	01050141			IES06010
00058069	01050141			IES06910
01052200	02050141			IES07010
00058071	02050754			IES07910
00058074	01050141			IES08A10
00058073	02050754			IES08910
00058075	02051070			IES09010
00058076	01050141			IES09910
01052200	02051070			IES10010
00058078	01050141			IES10910
00058079	01050142			IES11010
00058080	01050142			IES11910
01052051	03050754			IES12010
00058082	01050142			IES12910
01052051	03050754			IES13010
00058084	01050142			IES13910

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00058085	02050755			IES14010
00058086	01050142			IES14910
00058087	01050755			IES15010
00058088	01050142			IES15910
00058089	02050755			IES16010
00058090	01050143			IES16910
03052200	04050143			IES17010
00058092	01050143			IES17910
03052201	04050143			IES18010
00058094	01050143			IES18910
00058096	01050143			IES19910
00058097	01050755			IES20010
00058098	01050143			IES20910
01052051	02050143			IES21010
00058100	01050143			IES21910
00058102	01050143			IES22910
00058104	01050144			IES23910
01052201	03050755			IES24010
00058113	01050144			IES24910
02050008	04051650			IETASM
02050010	03050170			IETE1
02050023	03051651			IETMAC
02050025	04051651			IETRTA
01050027	02050170			IET07
02050004	04051650			IET21B
05012242	07011361			IEUASM
05011473	06011230			IEUFPP
06012241	07010171			IEUF1
06012242	08011243			IEUF2
06012242	07011212			IEUF2A
03011683	04010170			IEUF3
04012242	05010171			IEUF7I
05012241	06011317			IEUF8A
04013505	05011276			IEUF8M
06012241	08011371			IEUF8P
03011472	04010170			IEUF8V
00053029	02050931			IEWFETCH
01053068	02050931			IEWFTMIN
05053479	06050024			IEWFTPCI
01051724	02052132			IEWLCBTP
00057022	01052960			IEWLCFNL
00055067	01052960			IEWLCINC
00059028	01052132			IEWLEADA
01056082	02052960			IEWLEOPT
01053018	02052370			IEWLEOUT
01056024	02052370			IEWLESCD
	01012151	IEWLMADA		
	00013066	IEWLMAPT		
	01012148	IEWLMBTP		
	00013065	IEWLMEND		
	00013065	IEWLMENS		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED	
	00013065	IEWLMENT			
	00013066	IEWLMESD			
	00013075	IEWLMFNL			
	00013074	IEWLMINC			
	01011202	IEWLMINP			
	01011224	IEWLMINT			
	00013075	IEWLMMAP			
	00010754	IEWLMOPT			
	00010086	IEWLMOUT			
	01011764	IEWLMRAT			
	00013065	IEWLMRCG			
	01011442	IEWLMREL			
	01011202	IEWLMROU			
	00013073	IEWLMSCD			
	00013074	IEWLMSCN			
	00013070	IEWLMSYM			
00057022	01050305			IEWSVOVR	
01058102	02050305			IEWSXOVR	
01058102	02050305			IEWSYOVR	
00055215	01053530			IEX00	
01012200	02010600			IEX11	
01012200	02010600			IEX11000	ALIAS
01012200	02013491			IEX30	
01012200	02013491			IEX30000	ALIAS
01011940	03010600			IEX50	
01011940	03010600			IEX50000	ALIAS
03052370	05051490			IEYALL	
03052141	05051280			IEYEXT	
04052130	06051500			IEYFORT	
00051570	01051530			IEYFORT2	
00110782	02051530			IEYGEN	
00051590	02051281			IEYINT	
02052760	04051600			IEYPAR	
02051661	04051280			IEYUNF	
00054095	02051061			IFBDCB00	
	00053115	IFBDCB01			
00052342	01050592			IFBSR395	
00012672	01010760			IFBSTAT	
03011651	04010262			IFCDIP00	
03012151	04010611			IFCEP000	
	00010646	IFCEP001			
04051638	05010546			IFCEP030	
00051423	01010546			IFCEP031	
03051638	05050546			IFCEP040	
00011423	01010546			IFCEP051	
01012152	02010546			IFCEP052	
00011424	02010547			IFCEP061	
01012152	02010547			IFCEP072	
00011988	01010547			IFCEP091	
01012151	02010546			IFCEP104	
01012151	02010546			IFCEP105	

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED	
01012152	03010547			IFCEP106	
01012152	02010547			IFCEP107	
00012152	01010547			IFCEP109	
02011651	03010546			IFCEP500	
02011651	03010546			IFCEP501	
02011651	03010547			IFCEP650	
01011652	02010547			IFCEP651	
	00010547	IFCEP652			
	01031553	IFCEP655			
	01031553	IFCEP656			
00011815	01010547			IFCEP950	
00012062	01010548			IFCEP951	
00012054	01010684			IFCEP952	
00011774	01010548			IFCEP953	
	00010547	IFCSUM67			ALIAS
00011711	01010790			IFDMSG00	
01012281	03011440			IFDOLT	
00012023	01010114			IFFAAA03	
01054134	02050844			IFFABA	
00012101	01010843			IFFACA08	
	00010831	IFFACA50			
00012055	03011191			IFFADA01	
00012101	01010844			IFFAFA03	
00012101	01010514			IFFAFA04	
00012101	01010514			IFFAFA17	ALIAS
00012054	01011182			IFFAGA07	
00012025	01010842			IFFAGA08	
00012121	01010843			IFFAHA01	
00011813	01010842			IFFAHA02	
00012230	01010113			IFFAHA03	
00012239	01010114			IFFAHA05	
00011711	01010840			IFFAHA12	
	00010831	IFFCAN01			
00050069	01050840			IFFGRTR	
02013000	03010840			IFFPGAVP	
00010011	01012844			IGC0001G	
04031773	05030802			IGC0002	
04012222	05010736			IGC0002C	
05011633	08012390			IGC0002E	
02019241	03010782			IGC0002F	
01015086	02010720			IGC0002G	
04015106	05011184			IGC0002H	
03011652	04013242			IGC0003	
03011722	04010790			IGC0003A	
03031462	04030794			IGC0003B	
01012361	02012865			IGC0003C	
05014148	07012264			IGC0005E	
00011711	01010898			IGC0005I	
01018041	02011410			IGC0006A	
00011248	01012080			IGC0006F	
00011641	01010761			IGC0007G	

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
	00010820	IGC0008		
	00011853	IGC0008A		
	00051246	IGC0008B		
05051962	06050818			IGC0103D
00011249	01010801			IGC0106F
00011790	01011020			IGC0106H
00011641	01010761			IGC0107G
	00051133	IGC0108B		
02053412	04050811			IGC0203D
00011250	01012081			IGC0206F
00011611	01010761			IGC0207G
	00051133	IGC0208B		
00011251	01010802			IGC0306F
00011756	01011020			IGC0306H
00011611	01010761			IGC0307G
00011252	01012081			IGC0406F
00011611	01010762			IGC0407G
00011253	01012080			IGC0506F
00011611	01010762			IGC0507G
00011254	01012080			IGC0606F
00011711	01010762			IGC0607G
	00010792	IGC0706F		
	00010800	IGC0806F		
	00010660	IGC1703D		
00010011	01011503			IGE0000A
00010011	01010820			IGE0000D
00011027	01010840			IGE0000E
01019080	02011137			IGE0000G
04013146	06051282			IGE0000I
02119656	04010840			IGE0001C
01010118	02010841			IGE0002
00031664	01031504			IGE0002H
00012441	02011700			IGE0004C
00012651	02010820			IGE0004D
00011642	01010762			IGE0004E
00011642	01010770			IGE0004F
01050050	02053171			IGE0010A
00012037	01013172			IGE0010B
01031432	02030807			IGE0025C
03018175	04012853			IGE0025D
03012354	04010320			IGE0025E
01010102	03011061			IGE0025F
03014066	05050640			IGE0100I
00031664	01030813			IGE0102H
00011258	01011171			IGE0104B
00012420	02011560			IGE0104C
00011880	01011021			IGE0104E
00011642	01010770			IGE0104F
01012362	02010320			IGE0125E
01011054				
06011737				
				IGE0125F
				IGE0200I

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00031664	01032043			IGE0202H
01011666	02013210			IGE0204A
01012440	03011170			IGE0204B
00012431	02011730			IGE0204C
00012421	01010751			IGE0204D
00011642	01010763			IGE0204E
00011642	01011171			IGE0204F
01011054			IGE0225F	
00013150			IGE0300I	
00031664	01031504			IGE0302H
00012431	01011560			IGE0304C
00012440	01010470			IGE0304D
00011642	01011171			IGE0304E
00031665	01032016			IGE0402H
00012651	02011150			IGE0404C
00011880	01010763			IGE0404E
00014667	01013170			IGE0404F
01011054	03011061			IGE0425F
00012431	01011730			IGE0504C
00014667	01013170			IGE0504E
01011054	03011781			IGE0525F
01011667	03011150			IGE0604B
00012431	02011710			IGE0604C
00011880	01010764			IGE0604E
00011642	01010770			IGE0604F
01011054			IGE0625F	
00012420	02011700			IGE0704C
00011714	01010764			IGE0704E
00011880	01010771			IGE0704F
	00013180	IGE0804B		
00012421	01010751			IGE0804C
01010000	03011021			IGE0804E
	01010830	IGE0804F		
	01050640	IGE0900I		
00012431	02010751			IGE0904C
00011880	02010830			IGE0904E
	00030242	IGFASROA		
	01032278	IGFASROB		
	00030243	IGFASROC		
	00030243	IGFASROD		
	00030245	IGFASR01		
	00030243	IGFASR1A		
	00030243	IGFASR1C		
	00030243	IGFASR1D		
	00030243	IGFASR10		
	00030245	IGFASR2C		
	00030245	IGFASR2D		
	00030245	IGFASR20		
	00030245	IGFASR3C		
	00030246	IGFMFT00		
	00030246	IGFMVT00		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00018172			IGGX190S	
	00001432	IGGOCLC1		
03011732	04010961			IGGOCLC2
04011611	05013242			IGGOCLC3
03019241	04013241			IGGOCLC4
03019241	04010530			IGGOCLC5
00019005	01010832			IGG019AB
01012231	02010832			IGG019AC
01011652	02010833			IGG019AE
00019005	01010832			IGG019AK
00019005	01010832			IGG019AM
03011791	04010834			IGG019AT
03012243	04013141			IGG019BA
01011360	02010831			IGG019BF
03011797	04010831			IGG019CA
01014062	02013140			IGG019CC
00012074	01010834			IGG019CG
01010100	02010841			IGG019CP
02011930	04012292			IGG019CU
03011633	04010833			IGG019DA
02012080	03011163			IGG019DB
01017030	02010833			IGG019DD
04011671	05011650			IGG019GA
03011671	04011650			IGG019GB
04111877	06011650			IGG019GC
04111877	06011650			IGG019GD
00011042	01011171			IGG019GF
01012081	03011695			IGG019GL
02011633	04011695			IGG019GM
02011053	04011695			IGG019GN
04110230	06011696			IGG019GO
04011896	05013630			IGG019GV
04110230	05013486			IGG019GW
04011672	05010190			IGG019GY
04110230	05010190			IGG019GZ
01013145	02011696			IGG019G0
02011633	03011696			IGG019G1
01013145	03011697			IGG019G2
03011634	05011697			IGG019G3
01013145	02011697			IGG019G4
02011634	03011697			IGG019G5
02011634	04011698			IGG019G6
03011896	05011698			IGG019G7
01012081	03011698			IGG019G8
02011634	03011698			IGG019G9
04012240	06010670			IGG019HB
03011634	04010602			IGG019HD
02011634	03011699			IGG019HG
02011653	03011709			IGG019HH
01012081	02011715			IGG019HI
02011750	03011699			IGG019HK

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRS2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00011042	02010612			IGG019HL
03011791	04011061			IGG019JI
01012081	02010583			IGG019JV
01113513	03011080			IGG019KA
00013004	01011090			IGG019KH
03011653	04011161			IGG019KM
02015093	03012762			IGG019KW
01017030	03011082			IGG019LG
03012433	05011210			IGG019MA
01013100	03012270			IGG019MB
02012430	04011151			IGG019MC
	01012331	IGG019MR		
01012411	02011170			IGG019MV
00012651	01011171			IGG019M8
02011671	03011210			IGG019NA
02011611	03011210			IGG019NB
02011611	03011210			IGG019NC
03011611	02118064			IGG019ND
02011611	02118064			IGG019NE
02011611	03118064			IGG019NF
04013100	10118064			IGG019NG
00011711	01011640			IGG019NH
01011611	02011170			IGG019NJ
01014667	03010831			IGG019NK
01014667	03010831			IGG019NL
01014667	03010831			IGG019NM
01014667	03010831			IGG019NN
01011611	02010774			IGG019NO
01011650	02010760			IGG019NP
01011611	03012010			IGG019NQ
01011650	02010760			IGG019NR
02011650	04010832			IGG019NS
02011650	03010761			IGG019NT
02011714	03010761			IGG019NU
02013660	04010832			IGG019NV
02011611	04010832			IGG019NW
02011611	04010832			IGG019NX
02011611	03010762			IGG019NY
02011670	03011170			IGG019NZ
00011670	01010762			IGG019N1
00011670	01010762			IGG019N2
00011670	01010763			IGG019N3
00011643	01010763			IGG019N8
00011643	01012010			IGG019N9
05053461	06050113			IGG0190A
02052289	03051708			IGG0190E
	01011171	IGG019PA		
	00051422	IGG019P8		
	00051303	IGG019P9		
07031895	10032351			IGG0190A
01119971	02110761			IGG0190B

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
05032281	06031163			IGG0190F
05012223	07011433			IGG0190I
	00011163	IGG0190K		
02014095	04011141			IGG0190L
06031879	07033241			IGG0190M
	00001490	IGG0190N		
05012295	06011141			IGG0190P
01032166	02032262			IGG0190Q
05012320	06010850			IGG0190S
02032303	03032145			IGG0190T
00031682	01031142			IGG0190U
03012195	04011142			IGG0190V
02011664	03011150			IGG0190Z
07011653	08012139			IGG0191A
03013004	05010751			IGG0191B
00013004	01013140			IGG0191I
00013004	01010833			IGG0191K
00013004	01012139			IGG0191Q
00013004	01012264			IGG0191R
	00010729	IGG0191T		
	00000730	IGG0191U		
	00010728	IGG0191V		
02119656	04012135			IGG01911
03011635	04013630			IGG0192A
02015107	04010650			IGG0192B
02011635	03010137			IGG0192D
01012072	02013630			IGG0192F
02011635	03010650			IGG0192G
01012072	02012016			IGG0192P
00011041	01010601			IGG0192R
02011635	03010650			IGG0192S
00011041	01010670			IGG0192T
00011041	01011170			IGG0192U
00011041	01010660			IGG0192V
	01011060	IGG01920		
03017030	04011091			IGG0193C
02014667	04010830			IGG0193N
04013100	06011641			IGG01930
03012432	05010740			IGG0193Q
02014667	03012340			IGG0193R
02012680	04012080			IGG0193S
01014667	02012330			IGG0193T
00014667	02012010			IGG0193U
00011671	01010772			IGG0193V
00011670	01012330			IGG0194A
04013001	05010762			IGG020D1
05031463	06032190			IGG020P1
05031463	07032190			IGG020P2
02031468	04032261			IGG0200A
04011665	05010520			IGG0200C
05012426	07011184			IGG0200F

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
05011802	07011150			IGG0200G
00031681	01031141			IGG0200Y
	00001433	IGG0200Z		
05014072	06012262			IGG0201A
00013004	01011163			IGG0201B
01016118	02013561			IGG0202A
02013151	04011071			IGG0202I
01013001	03011285			IGG0202J
01013001	02010660			IGG0202K
03011635	05011170			IGG0202L
02112749	04011071			IGG0202M
03017030	04011082			IGG0203A
01011296	01119214			IGG0203M
01011671	02010760			IGG0203N
01011671	02010760			IGG0203O
02013660	03012330			IGG0203P
	01012330	IGG0203R		
02056122	04050843			IGG0203Y
01031465	02031184			IGG0290D
00031665	01030762			IGG0290E
02031465	03030794			IGG03001
02031462	03031715			IGG03211
02031462	03031662			IGG03213
02031462	03031682			IGG03214
02031463	03031682			IGG03215
01031463	02032136			IGG03216
03031463	04030732			IGG03217
01031463	02030793			IGG03218
01011028	02011684			IGG0325B
02031462	03031708			IGG0325E
01031462	02030783			IGG0325H
00031675	01031684			IGG0325J
01031462	02010763			IGG0325S
03012283	04012135			IGG0550A
03011028	04010761			IGG0550D
06011751	07012190			IGG0550F
03012192	04011150			IGG0550G
06012261	07010736			IGG0550N
04011361	05012190			IGG0550P
01012022	02013320			IGG0550S
00031702	01031151			IGG0550U
03031468	04033241			IGG0550V
03011797	04010761			IGG0550X
04031771	05030801			IGG0550Z
02011652	03011150			IGG0553A
00010095	01011708			IGG0553C
03011652	04010793			IGG0553E
	00010729	IGG08101		
	00010729	IGG08102		
02032272	03010722			IHCADJST
00012062	01010722			IHCCLABS

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00012064	01010721			IHCCLXP
00012065	01010721			IHCCLLOG
00012066	01010721			IHCCLSCN
00012068	01010722			IHCSSABS
00012070	01010721			IHCSEX
00012071	01010721			IHCSSLOG
00012072	01010721			IHCSSCN
02032271	03010722			IHCDBUG
01032930	03010740			IHCIOSE
	00010720	IHCECOMH		
	00010470	IHCEDIOS		
	00010470	IHCEFIOS		
	00010552	IHCFNTH		
	00010380	IHCERRE		ALIAS
	00010380	IHCERRM		
	00010470	IHCETRCH		
00052074	01010726			IHCFCXI
01032930	03010723			IHCFCOME
04032271	06010740			IHCFCOMH
01032930	03010723			IHCFCVTH
00052075	01010726			IHCFCXI
01012000	02010722			IHCFDUMP
01052000	02010725			IHCFDXPD
01052000	02010725			IHCFDXPI
00032404	01010746			IHCFINTH
14111779	06010740			IHCFIOSH
01052000	02010725			IHCFIXPI
	00010380	IHCFOPT		
01052000	02010725			IHCFRXPI
01052000	02010725			IHCFRXPR
01012000	02010725			IHCFLIT
00011712	01010843			IHCSP03
00052076	01010722			IHCIBERH
00012013	01010722			IHCIBERR
00012077	01010727			IHCLASCN
00012078	01010727			IHCLATN2
01012000	02010726			IHCLEXP
00012080	01010721			IHCLGAMA
01012000	02010727			IHCLLOG
02032271	03010746			IHCLSCN
00012081	01010727			IHCLSCNH
01012000	02010726			IHCLSQRT
00012082	01010722			IHCLTNCT
02032271	03010722			IHCNAMEL
00012083	01010723			IHCASCN
00012084	01010726			IHCATN2
01012000	02010726			IHCSEX
00012086	01010721			IHCSGAMA
01012000	02010726			IHCSSLOG
02032272	03010722			IHCSSCN
00012087	01010726			IHCSSCNH

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR52

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED	
02016024	03010726			IHCSSQRT	
00012088	01010726			IHCSTNCT	
02032285	04010740			IHCTRCH	
02011886	03011250			IHDFACPT	
02011681	04011250			IHDFBSAM	
02011681	03011250			IHDFDISP	
01017142	02010830			IHEABUO	
01017143	02010830			IHEABVO	
01017144	02010830			IHEABWO	
01017145	02010830			IHEABZO	
01017147	02010831			IHEADVO	
01017322	02010832			IHEATWH	ALIAS
01017322	02010832			IHEATWN	
01017323	02010832			IHEATZH	ALIAS
01017323	02010832			IHEATZN	
04012167	06010833			IHECLSA	
	01010800	IHECLTA			
	01010800	IHECLTB			ALIAS
	00010800	IHECTTA			
	00010800	IHECTTB			ALIAS
01017182	02010833			IHEDIMA	
01017190	02010831			IHEDOMA	
01017149	02010831			IHEDVUO	
01017150	02010830			IHEDVVO	
01017151	02010830			IHEDZWO	
01017152	02010830			IHEDZZO	
00011413	01010831			IHEERDA	
01012167	03010831			IHEEREA	
01012167	03010831			IHEERIA	
01017304	02010831			IHEERNA	
00011415	02010831			IHEEROA	
00011415	02010832			IHEERPA	
01017306	02010832			IHEERSA	
01017306	02010832			IHEERSB	ALIAS
	01010832	IHEERTA			
01012167	03010832			IHEESMA	
01012167	03010832			IHEESMB	ALIAS
02010074	03010832			IHEESSA	
02010074	03010832			IHEESSB	ALIAS
01017328	02010833			IHEEXWO	
01017329	02010833			IHEEXZO	
01011453	02010834			IHEIOJA	
01011417	03010834			IHEITBA	
01011453	03010540			IHEITCA	
04012165	16010671			IHEITDA	
02012167	04010335			IHEITEA	
02012168	04010834			IHEITFA	
01011417	03010742			IHEITGA	
	01010335	IHEITHA			
	01010830	IHEITJA			
01017334	02010832			IHELNWO	

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYRSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01017335	02010832			IHELNZO
01017153	02010832			IHEMPUO
01017154	02010833			IHEMPVO
02011449	03010833			IHEMSIA
02011449	03010833			IHEMSTA
	01010833	IHEMSWA		
01017159	02010834			IHEMZUD
01017159	02010834			IHEMZUM
01017160	02010834			IHEMZVD
01017160	02010834			IHEMZVM
01017161	02010834			IHEMZWO
01017162	02010834			IHEMZZO
02011418	04010830			IHEOPNA
03011418	05010800			IHEOPOA
02011453	04010463			IHEOPPA
00011419	02010830			IHEOPQA
01011419	02010831			IHEOPZA
02011419	04010831			IHEOSIA
01017314	02010832			IHEOSTA
	01010332	IHEOSWA		
01017119	02010832			IHEPDWO
01017120	02010833			IHEPDXO
01017121	02010833			IHEPDZO
01017125	02010834			IHEPSWO
01017126	02010834			IHEPSXO
01017127	02010830			IHEPSZO
01017131	02010830			IHESMXO
01017340	02010831			IHESNWC
01017340	02010831			IHESNWK
01017340	02010831			IHESNWS
01017340	02010831			IHESNWZ
01017341	02010831			IHESNZC
01017341	02010831			IHESNZK
01017341	02010831			IHESNZS
01017341	02010831			IHESNZZ
01017344	02010832			IHESQWO
01017345	02010832			IHESQZO
01017135	02010833			IHESSXO
	01010541	IHETEXA		
	01010541	IHETEXB		
01017350	02010960			IHETNWH
01017350	02010960			IHETNWN
01017351	02010830			IHETNZH
01017351	02010830			IHETNZN
	00010743	IHETOMA		
	00010743	IHETOMB		
	00010743	IHETOMC		
	00010743	IHETOMD		
00011405	01010831			IHEVCS
02011405	03010831			IHEVCSA
02011405	03010831			IHEVCSB

CHANGE LEVEL AND MODIFICATION REPORT
 DSNNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR52

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
01017167	02010831			IHEXIUO
01017168	02010831			IHEXIVO
01017169	02010831			IHEXIWO
01017170	02010832			IHEXIZO
01017173	02010832			IHEXXWO
01017174	02010832			IHEXXZO
01017139	02010833			IHEYGWS
01017139	02010833			IHEYGWV
01017140	02010833			IHEYGXS
01017140	02010833			IHEYGXV
01017141	02011060			IHEYGZS
01017141	02011060			IHEYGZV
00011500	01010832			IHEZZAA
00011421	01010832			IHEZZBA
	01010542	IHEZZCA		
	01010832	IHEZZFA		
00015175	01010310			IHIERR
00015175	01010310			IHIERROR
01012210	02010040			IHIFSA
01012210	02010040			IHIFSAIN
00015182	01010040			IHIGPR
00015182	01010040			IHIGPRCL
00015182	01010040			IHIGPRGT
00015182	01010040			IHIGPRPT
01012200	02013610			IHIIBO
01012200	02013610			IHIIBOAR
01012200	02013610			IHIIBOOL
01012200	02013491			IHIIDE
01012200	02013491			IHIIDEAI
01012200	02013491			IHIIDEII
01012200	02013491			IHIIDEIR
01012200	03011090			IHIIOR
01012200	03011090			IHIIOREN
01012200	03011090			IHIIOREV
01012200	03011090			IHIIORNX
01012200	03011090			IHIIOROP
01012200	02013491			IHIISY
01012200	02013491			IHIISYMB
00015192	01013430			IHILOR
00015192	01013430			IHILORAR
00015192	01013430			IHILOREL
00015197	01013610			IHIIOBO
00015197	01013610			IHIIOBOAR
00015197	01013610			IHIIOBOOL
00015198	01013430			IHIIOIN
00015198	01013430			IHIIOINAR
00015198	01013430			IHIIOINTG
00015199	01013433			IHIIOST
00015199	01013433			IHIIOSTRG
00015200	01013431			IHIOSY
00015200	01013431			IHIOSYMB

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAMESYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00015206	01013430			IHISOR
00015206	01013430			IHISORAR ALIAS
00015206	01013430			IHISOREL ALIAS
01012210	02013610			IHISYS
01012210	02013610			IHISYSCT ALIAS
01012136	03010760			IHJ000
01010132	03010760			IHJ001
00000000	02010760			IHJ002
01012087	03010833			IHJ003
01012087	03010761			IHJ004
01010132	03010761			IHJ005
01010132	03010761			IHJ006
00111982	02010761			IHJ007
00000000	02010761			IHJ008
00111982	01013410			IHJ090
01012087	02013215			IHJ091
00012087	01013215			IHJ095
	00013230	IHKAADSP		
	01010793	IHKABALC		
	01011141	IHKABLRD		
	01011210	IHKABLST		
	01011140	IHKABLWR		
	01010789	IHKABLWT		
	00013200	IHKABRER		
	00011141	IHKABXMT		
	01011141	IHKBBCCR		
	01011090	IHKCAINT		
	00012781	IHKCAMSN		
	01010790	IHKCAOSR		
	01011090	IHKCARJN		
	00012830	IHKCASHB		
	00012781	IHKCASHD		
	00013231	IHKCASHJ		
	01010788	IHKCASHL		
	00013001	IHKCASHM		
	00012890	IHKCASHO		
	00012831	IHKCASHT		
	00012831	IHKCASHU		
	01010782	IHKCASTP		
	00013320	IHKCBCLD		
	01010745	IHKCBLDM		
	01010785	IHKCBLGF		
	01010788	IHKCBLGN		
	00010400	IHKCBNIP		
	00013110	IHKCBQFS		
	01011710	IHKCBRJS		
	01010782	IHKCBSDQ		
	00012992	IHKCBSTD		
	00012850	IHKCBUID		
	01011141	IHKCCPLM		
	00012801	IHKCCQMG		

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.MODLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
	00012830	IHKCCSCN		
	00012781	IHKCCSGN		
	00012781	IHKCCSUD		
	01010745	IHKCDBDC		
	01011210	IHKCDBIN		
	01010745	IHKCDBIS		
	01010745	IHKCDBMI		
	01010745	IHKCDBPK		
	01010745	IHKCDBSH		
	01011210	IHKCDBTW		ALIAS
	01011210	IHKCDBTX		
	01011210	IHKCDFMR		
	00013261	IHKCDINI		
	01010745	IHKCDMDE		
	01010793	IHKCDMDQ		
	01011210	IHKCDMEQ		
	01010745	IHKCDMSH		ALIAS
	00013260	IHKCDRIN		
	00013540	IHKCDRMV		
	00012891	IHKCDSCH		
	00013350	IHKCEDIT		
	01010791	IHKCEJPR		
	01011710	IHKCENDJ		
	01010791	IHKCERDR		
	01010790	IHKCFBDR		
	01011090	IHKCFMSG		
	01010790	IHKCFOUT		
	00010790	IHKCFQOP		ALIAS
	01011140	IHKCFSTA		
	00011140	IHKCFSTB		ALIAS
	00012840	IHKCFWMS		
	01010790	IHKCGALT		
	00010480	IHKCGCNT		
	01010790	IHKCGDLT		
	01011090	IHKCGDT2		
	00010781	IHKQMNGR		
	01010850	IHKRJBGN		
	00010160	IHK1503D		
	00013535	IKAACCTG		
	00010833	IKABDHK		
	00010669	IKABENDA		
	00010465	IKACKXT		
	00010829	IKACTL		
	00010173	IKADAT		
	00010828	IKADGM		
	00010828	IKADIA		
	00010828	IKADIR		
	00010828	IKADMSG		
	00010828	IKADOR		
	00010829	IKAEXT		
	00012254	IKAIERR		

CHANGE LEVEL AND MODIFICATION REPORT
DSNAME=SYS1.MODLIB
RELEASE 16.26 VS. RELEASE 14.0 SYSR2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
	00012255	IKAINIT		
	00010822	IKAJCL		
	00010840	IKALPM		
	00010171	IKAMBEGO		
	00011740	IKAMCSRO		
	00010832	IKAMDESO		
	00011582	IKAMENTO		
	00012254	IKAMERRO		
	00012255	IKAMINIT		
	00013472	IKAMRECO		
	00010298	IKAMSPEO		
	00013320	IKAMWRIO		
	00010800	IKAPBEGO		
	00013472	IKAPCANO		
	00010172	IKAPCSRO		
	00010822	IKAPDESO		
	00010298	IKAPENTO		
	00010829	IKAPLOGO		
	00012255	IKAPLONO		
	00013041	IKAPRDGM		
	00010520	IKAPRECO		
	00010800	IKAPROCO		
	00010829	IKAPSMBO		
	00010832	IKAPSPEO		
	00010792	IKAPWRIO		
	00010829	IKASCH		
	00010801	IKASDENQ		
	00010801	IKASD079		
	00010822	IKASD080		
	00010802	IKASD081		
	00010832	IKASD082		
	00010801	IKASD083		
	00010802	IKASD084		
	00010669	IKASMBC1		
	00010172	IKASMBSA		
	00010466	IKASMBS1		
	00010466	IKASMBS2		
	00010466	IKASMBS3		
	00010467	IKASMBS4		
	00010298	IKASPD		
	00013574	IKATCSTO		
	00011808	IKATDESO		
	00011384	IKATENTO		
	00010800	IKATLOGO		
	00011383	IKATLONO		
	00010829	IKATRECO		
	00010307	IKATSPEO		
	00011384	IKATWRIO		
	00011860	IKA079SD		
	00011860	IKA082SD		
	00011869	IKA083SD		

CHANGE LEVEL AND MODIFICATION REPORT

DSNAME=SYS1.MODLIB

RELEASE 16.26 VS. RELEASE 14.0 SYSRS2

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED
00013004	01012350			OMODVOL1
01012000	02010722			PDUMP ALIAS
02031894	03032261			SECLOADA
02032272	03010722			SIN ALIAS
00012087	01010726			SINH ALIAS
01012000	02010725			SLITE ALIAS
01012000	02010725			SLITET ALIAS
	01031724	SMALLGO		ALIAS
02016024	03010726			SQRT ALIAS
00012088	00010726			TAN ALIAS
	01010726	TAN		ALIAS
	00012000	TANH		ALIAS

0000348 MODULES HAVE BEEN ADDED
 0000078 MODULES HAVE BEEN DELETED
 0001386 MODULES HAVE BEEN ALTERED
 0001812 TOTAL CHANGES HAVE BEEN MADE

CHANGE LEVEL AND MODIFICATION REPORT
 DSNAME=SYS1.SAMPLIB
 RELEASE 16.26 VS. RELEASE 14.0 SYSR1

OLD SSI	NEW SSI	ADDED	DELETED	ALTERED	
06012361	07011355			DASDI	ALIAS
	01011271	DRISAMP			
04012331	01011766			DUMPREST	ALIAS
	01012349	GSPSAMP			
06012361	07011355			IBCDASDI	
04012331	01011766			IBCDMPRS	
05012425	07010832			IEA IPL00	
00012010	01011360			IEJESP	
00011061			IEKHSAMP		
02012510	02011968			IEQSAMP	
005 1400	00621400			IHGSAMP	
00000014	00000015			OPM00001	
00000014	00000016			OPM00002	
00000014	00000016			OPM00003	
00610300	00770300			PROCDUMP	
006 0300	007 0300			RPGSMPL	
00012078	05011708			SAMP2250	
00012078	02010114			SAMP2260	
	01010684	SHAREDIT			
00000014			UCOPTION		

0000003 MODULES HAVE BEEN ADDED
 0000002 MODULES HAVE BEEN DELETED
 0000013 MODULES HAVE BEEN ALTERED
 0000018 TOTAL CHANGES HAVE BEEN MADE



SECTION 4: PROBLEMS OUTSTANDING

LIST AND DESCRIPTION OF APARS CLOSED BUT NOT RESOLVED

This section lists and describes each APAR (Authorized Program Analysis Report) that has been closed but which is uncorrected in this release of the operating system.

LIST AND DESCRIPTION OF SYSTEM PROSE ITEMS APPLICABLE

This section lists and describes the known restrictions against this release that were discovered during testing of this and prior releases. Errata to SRL publications are included.

PROGRAM SYMPTOM INDEX FOR APARS CLOSED BUT NOT RESOLVED

This index is provided to direct the reader to the detailed description of known problems within the Operating System.

MAINTENANCE INFORMATION

RELEASE 15/16

CLOSED APARS NOT YET RESOLVED ARE LISTED BELOW

P09289 P09674 P10511 P12883 P13183 P13520 P13548 P13549
P13799 P13968 P14128 P14233 P14475 P14540 P14552 P14632
P14754 P14758 P14876 P14882 P14885 P14887 P14893 P14929
P14939 P14993 P14997 P15043 P15071 P15100 P15108 P15168
P15189 P15238 P15319 P15324 P15329 P15335 P15362 P15366
P15367 P15381 P15387 P15444 P15452 P15559 P15601 P15602
P15608 P15648 P15699 P15708 P15741 P15752 P15770 P15780
P15787 P15789 P15790 P15793 P15801 P15815 P15823 P15837
P15846 P15853 P15873 P15875 P15896 P15902 P15944 P15946
P15951 P15965 P15981 P15984 P16002 P16011 P16018 P16019
P16026 P16037 P16059 P16066 P16087 P16119 P16153 P16172
P16185 P16206 P16210 P16246 P16291 P16293 P16307 P16321
P16335 P16339 P16364 P16367 P16376 P16378 P16399 P16405
P16408 P16429 P16443 P16465 P16469 P16480 P16486 P16490
P16500 P16505 P16508 P16522 P16547 P16550 P16582 P16588
P16592 P16611 P16612 P16641 P16665 P16670 P16681 P16691
P16700 P16701 P16721 P16722 P16728 P16738 P16745 P16751
P16770 P16771 P16775 P16776 P16781 P16783 P16794 P16804
P16807 P16810 P16823 P16831 P16859 P16862 P16866 P16876
P16900 P16907 P16913 P16918 P16938 P16949 P16959 P16961
P16962 P16998 P16999 P17006 P17027 P17034 P17037 P17057
P17060 P17077 P17082 P17087 P17091 P17101 P17107 P17109
P17113 P17118 P17128 P17130 P17132 P17152 P17157 P17165
P17166 P17167 P17172 P17173 P17176 P17190 P17192 P17198
P17217 P17224 P17243 P17256 P17259 P17264 P17292 P17296
P17315 P17321 P17332 P17334 P17356 P17358 P17359 P17360
P17371 P17373 P17374 P17378 P17385 P17392 P17394 P17420
P17427 P17428 P17447 P17453 P17456 P17464 P17468 P17471
P17474 P17480 P17481 P17493 P17516 P17529 P17530 P17533
P17534 P17536 P17537 P17540 P17543 P17547 P17548 P17550
P17551 P17552 P17553 P17555 P17563 P17570 P17572 P17574
P17583 P17600 P17606 P17615 P17616 P17618 P17645 P17648
P17649 P17653 P17657 P17658 P17660 P17674 P17679 P17696
P17705 P17711 P17717 P17718 P17719 P17722 P17725 P17732
P17733 P17751 P17762 P17771 P17781 P17799 P17810 P17821
P17835 P17849 P17873 P17884 P17885 P17886 P17890 P17892
P17911 P17917 P17925 P17936 P17937 P17948 P17961 P17963
P17968 P17974 P17976 P17995 P18004 P18008 P18011 P18035
P18040 P18041 P18042 P18051 P18053 P18055 P18056 P18057
P18060 P18062 P18085 P18090 P18097 P18103 P18104 P18106
P18113 P18114 P18119 P18123 P18126 P18160 P18161 P18162

P18164 P18165 P18173 P18177 P18183 P18185 P18186 P18191
P18200 P18206 P18218 P18221 P18235 P18237 P18244 P18252
P18263 P18268 P18276 P18280 P18282 P18303 P18327 P18342
P18344 P18348 P18349 P18351 P18355 P18356 P18357 P18359
P18360 P18402 P18428 P18429 P18447 P18468 P18501 P18503
P18519 P18520 P18527 P18530 P18551 P18557 P18559 P18562
P18569 P18572 P18573 P18607 P18609 P18610 P18613 P18617
P18622 P18648 P18651 P18652 P18653 P18655 P18658 P18686
P18687 P18695 P18698 P18706 P18710 P18715 P18727 P18729
P18743 P18746 P18751 P18753 P18799 P18806 P18822 P18823
P18833 P18836 P18841 P18843 P18844 P18848 P18882 P18886
P18893 P18900 P18901 P18911 P18913 P18930 P18933 P18972
P18982 P18986 P18994 P19025 P19026 P19046 P19062 P19068
P19116

TOTAL NUMBER OF APARS INCLUDED - 0433

*
P09289 CI505

EXTRANEOUS ALLOCATION OCCURS WHEN 2
OR MORE DD STATEMENTS SPECIFY AN IMPLIED SHARED
VOLUME AND ONE OF THE DD STATEMENTS HAS MORE THAN 1
VOLUME ASSIGNED.

MODULE -- IEFWA000, IEFX5000

*
P09674 CI505

FAILURE TO ACCOMPLISH CORRECT ALLOC-
ATION MAY OCCUR UNDER THE FOLLOWING CONDITIONS--
1- INTER-STEP VOLUME REFER BACK ./INCLUDING PASSED
DATA SETS/. TO A SPECIFIC, OR NON-SPECIFIC, LABELED OR
NON-LABELED TAPE DATA SET IF THE REFERENCED DATA SET
WAS NOT OPENED.
2- INTRA-STEP VOLUME REFER BACK TO A NON-SPECIFIC,
STANDARD LABEL OR NO LABEL TAPE DATA SET.

MODULE -- IEFVMLS1 IEFVM76 IEFWD000 IEFXT00D IEFZGST1
ADDITIONAL MODULE - IEFZGB1

*
P10511 CI505

THE EXPLANATION OF THE PSW CODE 000008
IN THE MESSAGES, COMPLETION CODES AND STORAGE DUMP SRL
IS INADEQUATE.

MODULE -- IEAANIP

*
P12883 UT506

INVOKING ANY OF THE SYSTEM UTILITY
PROGRAMS IEHLIST, IEHPRGM OR IEHMOVE MAY RESULT IN
DESTROYED DATA SETS. THIS MIGHT OCCUR SINCE THESE
UTILITY PROGRAMS MODIFY THE JFCB.

MODULE -- NONE

*
P13183 C0503

INCORRECT RESULTS ARE GIVEN IN A
FLOATING POINT MULTIPLICATION AND DIVISION IF THE
NUMBERS MULTIPLIED OR DIVIDED ARE GIVEN IN FIXED
POINT NOTATIONS AND THE RESULT FIELD IS DEFINED
AS COMPUTATIONAL-2.

MODULE -- IEPPS100

*
P13520 UT506

IEHPRGM WILL NOT CATALOG A DATA
SET NAME THAT CONTAINS 44 CHARACTERS. THE MESSAGE
-IEH2011 YOUR REQUEST CANNOT BE SERVICED... A
SYNTAX ERROR EXIST IN ---DATA SET NAME---- IS
PRINTED.

MODULE -- NONE

*
P13548 CB524

THERE EXISTS IN THE COBOL-F COMPILER A
TWOFOLD PROBLEM IN USING THE REDEFINES CLAUSE.
PROBLEM 1- WHEN A GROUP ITEM CONTAINS BOTH A REDEFINES
AND AN OCCURS CLAUSE AT THE GROUP LEVEL AND, THEREAFTER,
THIS GROUP OR A PRIOR GROUP BECOMES THE OBJECT OF A
REDEFINES CLAUSE, SUBSEQUENT DISPLACEMENTS ARE INCORRECT.

MODULE -- IEQCBL20

*
P13549 DM508

THE USER DID NOT RECEIVE AN MNOTE
WHILE CODING HIS DCB PARAMETERS EVEN THOUGH TWO
WERE IN CONTRADICTION, NAMELY ERROPTEQ AND
DSORGEQDA.

MODULE -- NONE

*
P13799 DM508

 WHEN A NO SPACE AVAILABLE IS
RETURNED BY CATALOG, IT IS POSSIBLE TO CATALOG
EIGHT MORE DATA SETS. THIS CAUSES EXISTING
DATA SET POINTER ENTRIES TO BE DELETED.

MODULE -- IGG0CLC3

*
P13968 CI505

 DURING WARM START AN I/O ERROR
MAY CAUSE A CLOSED SYSTEM LOOP NOT ACCOMPANIED
BY ANY OPERATOR MESSAGES.

MODULE -- IEFSD300

*
P14128 UT506

 WHEN COPYING MORE THAN ONE DATA SET FROM
TAPE TO DIRECT-ACCESS A D37 ABEND COULD OCCUR DURING
THE PROCESS OF COPYING THE SECOND DATA SET.- USING
SYSTEM UTILITY IEHMOVE.

MODULE -- IEHMVSRX

*
P14233 CB524

 WHEN A COBOL F COMPILED PROGRAM USES AN
OPTION 5 DECLARATIVE SECTION -USE AFTER STANDARD ERROR
PROCEDURE ON FILENAME- FOR A BSAM FILE, AND AN I/O
ERROR OCCURS, THE COBOL PROGRAM ABNORMALLY TERMINATES
WITH AN OC5 ABEND.

MODULE -- IHDFBSAM

*
P14475 CB524

 THE COBOL F COMPILER MAY
INTERMITTENTLY LOOP IN PHASE 2 WHEN COMPILING
LARGE PROGRAMS OR WHEN THE COMPILER IS LINKED
TO BY AN ASSEMBLER LANGUAGE PROGRAM.

MODULE -- IEQCBLOO

*
P14540 UT506

IEHMOVE IS BEING FIXED TO MOVE/COPY MEMBERS OF A PDS, IDENTIFIED BY THE SELECT, INCLUDE OR REPLACE CONTROL STATEMENTS, TO A PRE-ALLOCATED PDS WITH A DIFFERENT BLOCK-SIZE THAN THE ORIGINAL PDS. THE FIX WILL BE CONTAINED IN RELEASE 17.

MODULE -- IEHMOVETG

*
P14552 LM501

A SEQUENTIAL DATA SET TO BE EITHER READ OR WRITTEN WITHOUT FORMAT CONTROL MUST CONSIST OF VARIABLE-LENGTH RECORDS ./SEE PAGES 47 AND 48 OF C28-6639-0, FORTRAN IV ./G/. PROGRAMMER-S GUIDE./. THE RELEVANT ERROR MESSAGE, IHC2141I, IS NOT PRODUCED IF THE DATA SET IS FIRST READ OR WRITTEN UNDER FORMAT CONTROL.

MODULE -- IHCFIOSH

*
P14632 C0503

QUALIFIED DATA-NAME GIVES PROBLEM WHEN IT APPEARS IN A NOTE STATEMENT.

MODULE -- IEPSMG00

*
P14754 LM501

IF NAMELIST INPUT INCLUDES A VARIABLE OR ARRAY NAME CONTAINING A DOLLAR SIGN, I.E., A\$B, THE ERROR MESSAGE IHC222I, INDICATING THAT THE NAMELIST DICTIONARY DOES NOT CONTAIN THAT NAME, ERRONEOUSLY OCCURS.

MODULE -- IHCNAMEL

*
P14758 CB524

IF WITHIN A RECORD DESCRIPTION THERE ARE MULTIPLE USES OF OCCURS OPTION 2 ./OCCURS... DEPENDING ON/., THEN ANY ODO AFTER THE FIRST WHOSE MAXIMUM SIZE EXCEEDS 4096 BYTES WILL NOT BE PROPERLY INITIALIZED BY THE COBOL F COMPILER.

MODULE -- IEQCBL20

*

P14876

NL511

THE PACKED DECIMAL DATA REPRESENTATION OF A FIXED DECIMAL VARIABLE HAS EITHER OF THE POSITIVE SIGNS -1110- OR -1111-. THEN SUBTRACTION OPERATIONS ON THIS VARIABLE MAY BE REPLACED BY ADDITIONS. EXECUTION IS THEN INCORRECT. THESE SIGNS MAY RESULT FROM USE OF-- COBOL DATA SETS, IEBCGENER UTILITY, ASSEMBLY LANGUAGE PROGRAMS, UNSPEC PSEUDO-VARIABLE. FIXED DECIMAL ARITHMETIC IN PL/I DOES NOT PRODUCE THESE SIGNS.

MODULE -- IEMLS, IEMOE

*

P14882

NL511

WHEN THE SECOND ARGUMENT TO THE BUILT-IN FUNCTION INDEX IS A FIXED, NON-ADJUSTABLE LENGTH CHARACTER EXPRESSION, A ZERO VALUE IS RETURNED.

MODULE -- IEMME, IEMMF

*

P14885

NL511

WHEN A CHARACTER STRING ARRAY IS DEFINED ON A BIT STRING ARRAY WITH THE SAME BOUNDS THEN THE DOPE VECTOR USED FOR THE CHARACTER STRING ARRAY WILL HAVE AN INCORRECT MULTIPLIER CAUSING INCORRECT EXECUTION.

MODULE -- IEMFV

*

P14887

NL511

THE BIT OFFSET IS INCORRECTLY PLACED IN THE SDV FOR A BIT STRING ELEMENT OF A NON-ADJUSTABLE ARRAY WHICH IS DEFINED ON A CHARACTER STRING.

MODULE -- IEMJJ, IEMJM

*
P14893 NL511

EXECUTION FAILURE WILL OCCUR OR
INCORRECT RESULTS WILL BE PRODUCED IF AN ARRAY THAT
FIGURES IN AN ASSIGNMENT STATEMENT, OR IN ANY
STATEMENT FOR WHICH AN ASSIGNMENT DO-LOOP IS
GENERATED BY THE COMPILER, HAS A FINAL DIMENSION
WITH A CONSTANT LOWER BOUND AND SOME OTHER DIMENSION
WITH A VARIABLE UPPER OR LOWER BOUND.

MODULE -- IEMHL

*
P14929 UT506

IN CREATING A SEQUENTIAL DATA SET
IEBUPDTE, DOES NOT FLUSH THE INPUT STREAM WHEN A
SEQUENCE ERROR OCCURS. LATER STEPS IN THE JOB STREAM
DO NOT RUN DUE TO THE PROCESS.

MODULE -- IEBUPDT2

*
P14939 F0520

THE COMPILER GIVES A SYNTAX ERROR MESSAGE
WHEN THE FOLLOWING CONDITIONS OCCUR IN A DATA INITIAL-
IZATION STATEMENT-- 1- THE NUMBER OF INITIAL VALUES
SPECIFIED FOR AN ARRAY EXCEEDS THE NUMBER OF ARRAY
ELEMENTS SPECIFIED IN AN ARRAY DECLARATION. AND 2- AN
ELEMENT OF THIS ARRAY IS INITIALIZED WITH THE LITERAL DATA
CONSTANT WHICH CONTAINS A -/--.

MODULE -- PARSE

*
P14993 LM501

IF THE IMMEDIATE OUTPUT DEVICE IS NOT
THE PRINTER AND RECFM EQ VBA OR VBM, A LOGICAL RECORD
INTENDED TO CAUSE THE SKIPPING OF A PRINT LINE IS WRITTEN
AS A 4-BYTE SEGMENT CONTAINING ONLY THE SEGMENT CONTROL
WORD. IF THE MVT OUTPUT WRITER IS BEING USED, EXECUTION
TERMINATES WITH MESSAGE IHF3141 SYSIO INDICATING TOO
SHORT A SEGMENT FOR VBA OR VBM.

MODULE -- IHCFIOSH

*
P14997 CI535

A FORTRAN WRITE WITH A FORMAT OF IHO WHEN USED WITH RECFM EQ VBA CAUSES SYSOUT WRITER TO EITHER PRINT A LINE OF SPURIOUS DATA OR ABEND WITH AN ADDRESSING EXCEPTION.

MODULE -- IEFSD089

*
P15043 CI505

NIP SUBROUTINE -IEAUCBIN- CALCULATES INCORRECT TTR FOR 2321 VTOC IF VTOC IS NOT ON FIRST STRIP. THE CONVERSION OF CCHHR TO TTR IS VALID FOR 2311, 2301, 2302 AND FOR 2321 IF THE VTOC IS ON THE FIRST STRIP. THE RESTRICTION THAT THE VTOC OF A 2321 BE ON THE FIRST STRIP WILL BE ELIMINATED AS A RELEASE 17.

MODULE -- IEANIP

*
P15071 F0092

UNLIKE OTHER OS/360 PROCESSORS, INCLUDING FORTRAN G AND FORTRAN H, FORTRAN E DOES NOT PROVIDE A LINECNT OPTION.

MODULE -- IEJFAAAO, IEJFAGAO

*
P15100 DM508

A 213 ABEND OCCURS WHEN OPENING A DATA SET WHICH HAS A DSCB ABOVE TRACK NINE IN A 2314 VTOC.

MODULE -- IGC0001I, IGG0190N, IGG0550Y, IGG0550L,

*
P15108 CI505

IF AN ERROR IS MADE IN ANY CONTROL CARD EXCEPT THE LAST ONE FOR THE UTILITY IEHUCSLD, THE WHOLE JOB CONTAINING THE STEP WHICH INVOKED IEHUCSLD IS TERMINATED WITH A CONSOLE MESSAGE IEF453I— -JOB FAILED-JCL ERROR-. THIS RESULTS FROM IEHUCSLD DETECTING THE ERROR IN ITS CONTROL CARD BUT NOT READING OR FLUSHING THE REMAINING CONTROL CARDS. HENCE, WHEN CONTROL IS GIVEN BACK TO SCHEDULER, THE FIRST THING IT READS IS AN IEHUCSLD CONTROL CARD, WHICH SCHEDULER CORRECTLY INTERPRETS AS INVALID JCL.

MODULE -- IEHUCSLD

*
P15168 CQ513

LOSS OF DATA CHARACTERS DUE TO DEPRESSING
BID KEY AND ENTERING DATA BEFORE READ INITIAL IS ISSUED
TO TERMINAL.

MODULE -- IGG019MT, IGG019M0

*
P15189 UT507

I/O ERROR WHILE DUMPING 2314 TO TAPE.
THE ERROR OCCURS AT THE END OF FILE OF A TAPE.

2C

*
P15238 UT506

A PROBLEM IS ENCOUNTERED IN EXECUTING
IEHMOVE/VOLUME FROM A DIRECT ACCESS DEVICE TO TAPE ON
RELEASE 13 AND 14. IF THE DD CARD SPECIFYING THE -TO-
VOLUME, I.E., THE TAPE, SPECIFIES A DISPOSITION OF -KEEP-,
THE FIRST DATA SET IS MOVED/COPIED SUCCESSFULLY, BUT THEN
THE TAPE UNLOADS AND REWINDS AND THE SYSTEM GOES INTO A
WAIT STATE WHEN IEHMOVE ATTEMPTS TO PROCESS SUBSEQUENT
DATA SETS.

MODULE -- IEHMVESN

*
P15319 CI535

IEFSD102 TRIES TO FREE/GET SUBPOOLS
BUT ABENDS WITH A 20A.

MODULE -- IEAQEM01

*
P15324 UT506

WHEN USING IEBUPDTE TO UPDATE THE
SAME MEMBER OF A PDS TWICE IN THE SAME JOB STEP THE
LAST ONE/THIRD OF THE MEMBER IS LOST.

MODULE -- IEBUPDT2

*
P15329 CB524

IN A BDAM FILE USED IN COBOL F WITH NO
INVALID KEY OR USE-ERROR DECLARATIVES SPECIFIED, WHEN
AN ERROR OCCURS, CONTROL WILL CONTINUE IN SEQUENCE
INSTEAD OF PERFORMING NORMAL SYSTEM ERROR PROCESSING.
THIS WILL CAUSE UN-PREDICTABLE RESULTS IN THE OBJECT
PROGRAM.

MODULE -- IEQCBL50

*
P15335 CI505

'WHEN MESSAGE IEF614I -PROCLIB I/O
ERROR SEARCHING FOR PROCEDURE- IS PRINTED ON SYSOUT
MESSAGE IEF417I SHOULD BE PRINTED ON THE OPERATORS
CONSOLE BUT IS NOT'.

MODULE -- NONE

*
P15362 CB524

WHEN A COBOL F SOURCE PROGRAM CONTAINS
A MOVE STATEMENT FOR A SUBSCRIPTED DATA-NAME THAT
EXCEEDS 4096 BYTES THE INSTRUCTION FOLLOWING THE MOVE
MAY PRODUCE UNPREDICTABLE RESULTS.

MODULE -- IEQCBL50, IEQCBL60

*
P15366 CB524

WHEN CREATING AN OUTPUT BSAM FILE USING
A COBOL -F- PROGRAM WITH A RECORDING MADE OF F AND THE
FILE-LIMIT CLAUSE SPECIFIES A GREATER OR EQUAL NUMBER OF
TRACKS THAN WAS ALLOCATED AS PRIMARY SPACE FOR THE FILE
A B37 ABEND WILL RESULT DURING THE CLOSE OF THAT FILE.

MODULE -- IHDFBSAM

*
P15367 LM512

WHEN INVALID DATA IS ENTERED INTO A
VARIABLE DECLARED WITH A PICTURE ENDING IN I, I OR
R BY MEANS OF OVERLAY DEFINED ITEMS, RECORD I/O.
UNSPEC OF SUBSTR, THE RESULTS ON ACCESSING SUCH DATA
VIA THE PICTURE ITEM ARE UNDEFINED. DATA IS ONLY
CHECKED FOR VALIDITY ON ASSIGNMENT TO THE PICTURE
ITEM OR DURING A GET STATEMENT FOR THE PICTURE ITEM.
SEE PROGRAMMER-S GUIDE C28-6594-2 PAGE 73.

MODULE -- IHEVKB

*
P15381

CI505

DURING NIP, A LOAD FAILURE CAUSES
LOOP.

MODULE -- IEAATC00

*
P15387

CI505

NIP DOES NOT INFORM THE OPERATOR
OF A LOAD FAILURE FOR A RAM OR RSVC MODULE IF THE
PRECEEDING BLDL FOR THE MODULE WAS SUCCESSFUL.

MODULE -- IEAANIP

*
P15444

CB524

WHEN A BISAM FILE AND A QISAM USE
THE SAME AREA BY VIRTUE OF THE -SAME AREA- CLAUSE,
THE DCBBUFCB FIELD OF THE DCB IS IMPROPERLY
INITIALIZED BY THE COBOL-F COMPILER.

MODULE -- IEQCBL20

*
P15452

CB524

WHEN THE ENVIRONMENT DIVISION
HEADER IS MISSING IN A COBOL--F- COMPILED PROGRAM,
UNPREDICTABLE RESULTS WILL OCCUR, AND THE COMPILE
MAY ABEND.

MODULE -- IEQCBL10

*
P15559

CI535

ON A DD CARD SPECIFYING SYSOUT EQ A,
DCB EQ DSNAME THE DCB CHARACTERISTICS OF THE CATALOGUED
DATA SET ARE NOT COPIED INTO THE DCB FOR SYSOUT.

MODULE -- IEFVMLS1

*
P15601 AL531

IF THE LEFT PART OF AN ALGOL
ASSIGNMENT STATEMENT CONSISTS OF MORE THAN ONE
SUBSCRIPTED VARIABLE FOLLOWED BY A SIMPLE VARIABLE
THE FIRST SUBSCRIPTED VARIABLE WILL NOT OBTAIN THE
CORRECT VALUE AT EXECUTION TIME.

MODULE -- IEX50, IEX50T

*
P15602 AL531

NO DIAGNOSTIC MESSAGE IS PRODUCED
DURING ALGOL EXECUTION TIME IF AN ACTUAL PARAMETER
IN A PROCEDURE CALL IS AN ARRAY IDENTIFIER AND THE
CORRESPONDING FORMAL PARAMETER IS SPECIFIED REAL,
INTEGER OR BOOLEAN. THE MESSAGE IH10201 SHOULD BE
PRODUCED. THE EXECUTION TIME RESULT IS UNPREDICTABLE.

MODULE -- IH1FSA

*
P15608 LM532

WHEN PRINTING AN -INTEGER- -ARRAY-
USING OUTARRAY ./THE REAL PROCEDURE/. AND LONG PRECISION
THE ARRAY IS NOT PRINTED CORRECTLY. EVERY OTHER ELEMENT
IS PRINTED.

MODULE -- IH1OAR

*
P15648 CI505

IF, AS A RESULT OF A HARDWARE FAILURE,
THE EXPECTED DEVICE-END IS MISSING AT THE COMPLETION OF
A REWIND/UNLOAD OPERATION, THE I/O-SUPERVISOR IS OR./ING/.
A BIT INTO THE ADDRESS POINTED TO BY REG.2. THIS WILL
OCCUR WHENEVER A CHANNEL-END WITHOUT DEVICE-END IS
RECEIVED AND THE COMPLETION OF THE OPERATION RESULTS IN
UNIT CHECK BUT THE DEVICE-END IS MISSING.

MODULE -- NONE

*
P15699 CI505

THIS APAR WAS ERRONEOUSLY CLOSED AS A
TEMPORARY RESTRICTION TO BE FIXED IN RELEASE 17. IT IS,
HOWEVER, FIXED IN RELEASE 15.

2C

*
P15708 DM508

THE SYSTEM GOES INTO A WAIT STATE WITH A
COMPLETION CODE OF F03 BECAUSE OF AN OC5 ABEND IN ISAM
ALLOCATE ROUTINE MODULE IGG032I1. THIS WAS DUE TO A JCL
ERROR.

MODULE -- IGG032I1

*
P15741 DM508

A WAIT ISSUED AFTER A READ OF A
DUMMY DATA SET RESULTS IN A PERMANENT WAIT STATE.
THE ECB IS NEVER POSTED FOR THE WAIT.

MODULE -- IGG0191C, IGG019AV

*
P15752 DM508

WHEN ATTEMPTING TO BUILD MORE THAN NINE
TRACKS OF MODEL DSCBS, THE USER RECEIVES A PERMANENT
I/O ERROR MESSAGE ON THE CONSOLE. THE USER HAD A
MULTI-CYLINDER VTOC.

MODULE -- IGC0003B

*
P15770 CB524

WHEN A CALL STATEMENT IN A COBOL F
PROGRAM CONTAINS THE SAME SUBSCRIPTED DATA-NAME TWICE IN
SUCCESSION, COMPILATION MAY TERMINATE PREMATURELY.

MODULE -- IEQCBL50

*
P15780

CI505

MACRO SGIEE001 GENERATES AUTOMATIC
START WTR COMMAND, WHICH IS GENERATED AS FOLLOWS--
START WTR, OOE, VOL EQ 999999. THIS IS NOT ACCEPTED
BY REL. 14 WHICH LOOKS FOR START WTR, OOE, 999999.

MODULE -- SGIEE001

*
P15787

CQ513

DATA CHARACTERS ARE LOSSED FROM THE
DIAL 2740 WITH CHECKING IF THE BID KEY IS DEPRESSED
BEFORE THE STAND BY LIGHT COMES ON.

MODULE -- IGG019MX

*
P15789

CI505

IF A MULTI-VOLUME ISAM DATA SET IS
CREATED WITHIN A SINGLE JOB STEP WITH DISP EQ
. /NEW,PASS/. IT IS NOT DELETED AT JOB TERMINATION.

MODULE -- NONE

*
P15790

NL511

IF THE INDEX FUNCTION HAS A SECOND
ARGUMENT WHICH IS NOT A FIXED, NON-ADJUSTABLE STRING,
AND IS FOLLOWED BY ANOTHER INDEX WITH A FIXED NON-
ADJUSTABLE STRING AS ITS SECOND ARGUMENT, THEN COMPILATION
MAY FAIL WITH SEVERE ERROR MESSAGES IEM2709I AND IEM2707I
ON THE SECOND INDEX STATEMENT.
EXECUTION WILL ALSO FAIL.

MODULE -- IEMME, IEMMF

*
P15793

NL511

IF A STRUCTURE DESCRIBED BY THE LIKE
ATTRIBUTE CONTAINS AN ELEMENT IDENTICAL WITH THAT USED IN
AN UNQUALIFIED REFERENCE AS BASE FOR A SECOND LIKENED
STRUCTURE, AND THIS ELEMENT IS THE MOST IMMEDIATELY KNOWN
. /BY SCOPE RULES/. TO THE SECOND STRUCTURE, THEN THE
SECOND STRUCTURE WILL BE DELETED AND SERIOUS MESSAGE NO.
IEM0596I WILL BE ISSUED.

MODULE -- IEMEW

*
P15801 DM508

DURING OPEN FOR OUTPUT WITH DSP EQUAL
MOD, A MULTI VOLUME DATA SET MAY BE INCORRECTLY
POSITIONED CAUSING A 215 ABEND.

MODULE -- IGG0190A

*
P15815 UT506

WHEN THE -FROM- ./OR -TO-/.
PARAMETER IS OMITTED FROM THE COPY STATEMENT
DURING EXECUTION OF IEHMOVE, THE SYSTEM GOES
TO WAIT STATE. ./WAIT STATE FOLLOWS PRINTOUT
OF MESSAGE' IEH311I INCOMPLETE REQUEST/..

MODULE -- IEHMVESJ

*
P15823 DN533

WITH TAPE UNITS VARIED OFFLINE AND WORKED
ON BY CE, OLTEP FAILED TO ARM THE UNIT RESULTING IN THE
SYSTEM GOING INTO A WAIT STATE.

MODULE -- IFDOLT00

*
P15837 CQ513

WHEN BTAM JOB IS CANCELED DURING I/O
OPERATION, AND JOB IS RESTARTED, THE PROGRAM MAY HANG
IN A WAIT WAITING FOR COMPLETION OF EXCP IN BTAM OPEN.

MODULE -- IGG0203M

*
P15846 CQ513

AN INVALID CCW IS BEING GENERATED BY
THE BTAM ERP MODULE IGE0304B. THE WRITE BREAK COMMAND
CODE IS BEING OVERLAYED WHEN THE ADDRESS IS STORED IN
THE CCW.

MODULE -- IGE0304B

*
P15853 NL511

IF A COMPLEX ARRAY IS DECLARED WITH FIXED DIMENSIONS, THEN THE AMOUNT OF STORAGE RESERVED FOR IT IS TWICE AS LARGE AS NECESSARY. EXECUTION MAY FAIL IF THERE IS INSUFFICIENT STORAGE TO CONTAIN THE EXCESSIVELY LARGE ARRAY.

MODULE -- IEMPT

*
P15873 UT506

IEBUPDTE ADDS EXTRANEIOUS BINARY ZEROS TO THE USER DATA FIELD IN A PDS DIRECTORY ENTRY WHEN IT ADDS OR CHANGES A MEMBER.

MODULE -- IEBUPDT2

*
P15875 LM532

PART OF AN ALGOL EXECUTION TIME OUTPUT DATA SET IS LOST WHEN BLOCKED OUTPUT IS SPECIFIED ON A UNIT RECORD DEVICE.

MODULE -- IHIIOR

*
P15896 NL511

IF A STRUCTURE, ARRAY OR STRING, WHICH REQUIRES A DOPE VECTOR, IS DEFINED ON A STATIC BASE WHICH IS MAPPED AT AN OFFSET OF 4K OR MORE FROM THE BEGINNING OF STATIC INTERNAL, THEN THE COMPILED CODE MAY USE AN INCORRECT BASE REGISTER.

MODULE -- IEMRB

*
P15902 CI505

THE SUPERVISOR & DATA MANAGEMENT MACROINSTRUCTION MANUAL PAGE 155 CONTAINS A MIS-STATEMENT WITHIN THE SNAP DEFINITION OF THE TCB PARAMETER. THE DESIGNATED REGISTER SHOULD CONTAIN THE TCB ADDRESS. CURRENTLY, THE STATEMENT REQUIRES THE DESIGNATED REGISTER TO CONTAIN THE ADDRESS OF THE ADDRESS OF THE TCB.

MODULE -- NONE

*
P15944 UT506

IF IEBUPDTE IS USED TO CREATE A NEW MASTER DATASET FROM AN OLD MASTER DATASET AND THE CHANGE FUNCTION IS USED TO INSERT NEW STATEMENTS INTO THE NEW MASTER AND THEN DELETE THE NEXT SEQUENTIAL STATEMENT COMING FROM THE OLD MASTER, AN ERROR OCCURS. THE ERROR SHOWS UP IN THE FORM OF THE SYSTEM MESSAGE IEB510I -DELETE RANGE INVALID- AND RESULTS IN TERMINATION OF THE JOB.

MODULE -- IEBUPDT2

*
P15946 CB524

WHEN AN SD OF A COBOL F PROGRAM CONTAINS A SUBORDINATE ITEM WITH AN 'OCCURS DEPENDING ON' CLAUSE, THE VLI-S ARE NOT INITIALIZED AFTER THE RETURN VERB AND THUS THE LENGTH OF THE ITEM MAY BE WRONG.

MODULE -- IEQCBL20

*
P15951 CI505

A JOB ABENDS WITH AN 80A AND THEN GOES INTO A F03 WAIT AT JOB TERMINATION BECAUSE OF CORE FRAGMENTATION PROBLEMS. THIS PROBLEM IS MORE PREVALENT ON 64K SYSTEMS WITH A 44K SCHEDULER.

MODULE -- NONE

*
P15965 NL511

A COMPILER ABORT, IN PHASE IEMEP, IEMFX OR IEMIA MAY OCCUR DUE TO BAD DICTIONARY AND TEXT BLOCKS RESULTING FROM A COMPOSITE TEXT/DICTIONARY BLOCKING SITUATION WHEN PROCESSING A CALL STATEMENT.

MODULE -- IEMEP

*
P15981 UT507

UNABLE TO USE DUMP/RESTORE
PROGRAM ON A VALID SYSTEM CONFIGURATION,
CONSISTING OF A TAPE DRIVE ON A MULTIPLEXOR
CHANNEL AND A DISK DRIVE ON A SELECTOR CHANNEL.

MODULE -- IBCDMPRS

*
P15984 CI535

A PROGRAM CHECK LOOP OCCURS WHEN A
MOTHER TASK DETACHES AN ACTIVE DAUGHTER AND THEN
ABENDS ITSELF.

MODULE -- IEAQED02

*
P16002 LM501

ON A FORMATTED WRITE INTO A DATA
SET OF VARIABLE-LENGTH OR UNDEFINED RECORDS, THE
RECORD WRITTEN SHOULD CONTAIN ONLY THE USED PORTION
OF THE BUFFER. ANY USE OF T FORMAT CODE, HOWEVER,
CAUSES THE RECORD WRITTEN ALWAYS TO BE MAXIMUM
LENGTH AS SPECIFIED IN LRECL OR BLKSIZE. ANY
UNUSED PORTION AT THE END OF THE RECORD CONTAINS
BLANKS.

MODULE -- IHCFCOMH, IHCFCOME

*
P16011 CI505

WHILE PRINTING DEB CHAIN ABDUMP
PRINTS AN AREA OF LOW CORE ./HEX-14-/. AS THE LAST
DEB.

MODULE -- IEAQAD02

*
P16018 CI535

THE USE OF THE PARALLEL MOUNT OPTION,
./EXAMPLE-- UNIT EQ ./2400,P/./. AND THE USE OF UNIT
AFFINITY IN CONJUNCTION WITH MULTI-VOLUME DATASETS,
EXAMPLE--
//DD1 DD UNIT EQ 2400, VOLUME EQ SER EQ ./A,B/.
//DD2 DD UNIT EQ AFF EQ DD1, VOLUME EQ SER EQ C
//DD3 DD UNIT EQ AFF EQ DD2, VOLUME EQ SER EQ D
WILL BOTH RESULT IN A C5 OR C6 ABEND.

MODULE -- IEFXCSSS,IEFX300A,IEFWA000

*
P16019 C0503

 COBOL E COMPILER GENERATED BAD
CODE ON AN ACCEPT FROM CONSOLE STATEMENT.

MODULE -- IEPPGPOO

*
P16026 UT506

 WHEN COPYING A PDS AND USING MORE THAN
ONE REPLACE STATEMENT, IEHMOVE INCLUDES THE FIRST MEMBER
ONLY, BUT EXCLUDES ALL THE MEMBERS SPECIFIED. THIS
OCCURS WHEN THE MEMBERS BEING INCLUDED ARE MEMBERS OF
SEPARATE DATA SETS.

MODULE -- NONE

*
P16037 NL511

 ASSIGNMENT OF AN ARRAY HAVING A
SUBSCRIPT WHOSE LOWER BOUND IS ZERO OR GREATER THAN
ONE CAUSES THE CREATION OF AN INVALID CONSTANT
DICT ENTRY IF THE NUMBER OF ELEMENTS IN THE ARRAY
EXCEEDS 65,535. SEVERE ERROR IEM1802 RESULTS.

MODULE -- IEMHK

*
P16059 DM508

 REOPENING A QSAM DCB WITH ONE MORE
BUFFER THAN IN THE FIRST OPEN, WITHOUT PREVIOUSLY
ISSUING A FREEPOOL, RESULTS IN THE USE OF AN INVALID
BUFFER ADDRESS OF ZERO. THEREFORE, LOW CORE IS
OVERLAID WHEN THE BUFFERS ARE PRIMED.

MODULE -- IGG01911

*
P16066 CI505

 IF CATALOGING IS NOT PERFORMED FOR
A NEW GDG MEMBER BECAUSE THE REQUEST WAS NON-
SPECIFIC AND THE DATA SET WAS NOT OPENED, REQUESTS
FOR OLD GDG MEMBERS IN SUBSEQUENT STEPS MAY CAUSE
INCORRECT GENERATIONS TO BE RETRIEVED.

MODULE -- NONE

*
P16087 LM501

ALTHOUGH THE FORTRAN LANGUAGE
MANUALS CONTAIN NON-IDENTICAL DEFINITIONS FOR
FIELDS READ UNDER F, E AND D FORMAT CODES, THE
LIBRARY SCANS AND CONVERTS INPUT IDENTICALLY
UNDER THE 3 CODES. ONLY AN INPUT FIELD INCORRECT
BY ALL 3 DEFINITIONS IS DIAGNOSED ./ERROR MESSAGE
IHC215I/.. IN ADDITION, A DECIMAL POINT WITHIN
AN EXPONENT IS NOT DIAGNOSED.

MODULE -- IHCFCVTH, IHCFCOME

*
P16119 CI514

SYSTEM ASSUMES F P REGS PRESENT. ABEND
ABENDS IF ABNORMAL TERMINATION ON MACH W/O F P REGS.

MODULE -- NONE

*
P16153 CI505

PLEASE DISREGARD THE RESPONSE DATED
5/14/8.
AN OC5 MAY OCCUR IN CHECKPOINT/RESTART WHEN CHECKPOINT
ENCOUNTERS A TAPE UNIT ALLOCATED BUT NOT OPENED.

MODULE -- NONE

*
P16172 CB524

WHEN A SORT DESCRIPTION IN A COBOL F
PROGRAM IS DEFINED WITH A RECORDING MODE OF V AND
THERE IS NO OCCURS... DEPENDING ON CLAUSE IN THE
RECORD, THE RELEASE VERB PASSES THE MAXIMUM SIZE
RECORD TO THE SORT.

MODULE -- IEQCBL20

*
P16185 CI505

KEYWORD SUBPARAMETERS ARE NOT BEING
CHECKED FOR APPLICABLE PARENTHESIS THUS CAUSING
ERRONEOUS ASSUMPTIONS TO BE MADE BY THE READER
INTERPRETER. AN EXAMPLE OF THIS IS'
DSNAME EQ A,B ... THIS IS INTERPRETED AS
DSNAME EQ A ./B/.

MODULE -- IEFVFA

*
P16206 CI505

WHEN USING MSGLEVELEQO, THE SCHEDULER
FAILS TO PRINT THE CONTROL CARD THAT IS IN ERROR.

MODULE -- IEFVH2,IEFVHN,IEFVHCB,IEFVGMSS

*
P16210 NL511

IF AN EXPRESSION REQUIRES THE
EVALUATION OF MANY FLOATING POINT TEMPORARY
RESULTS SUCH THAT ALL FLOATING POINT REGISTERS
ARE IN USE AND THE NEXT PART OF THE EXPRESSION
TO BE EVALUATED REQUIRES CONVERSION FROM SHORT TO
LONG FLOATING POINT, THEN THE GENERATED CODE FAILS
TO SAVE A TEMPORARY RESULT BEFORE RE-USING A
REGISTER.

MODULE -- IEMLS

*
P16246 CB524

THE INCORRECT USE OF A RESERVED WORD
IN THE SOURCE CLAUSE IN THE REPORT SECTION OF A COBOL
F PROGRAM MAY CAUSE THE COMPILE TO ABEND.

MODULE -- IEQCBL10

*
P16291 UT506

IF IEBGENER IS USED TO CREATE AN
OUTPUT PHYSICAL SEQUENTIAL DATASET, AS DEFINED ON THE
SYSUT2 DD CARD, AND THE INPUT DATASET,
CONTAINS NO INPUT RECORDS, ONE UNWANTED RECORD WILL BE
WRITTEN IN THE OUTPUT DATASET.

MODULE -- IEBGEN03

*
P16293 CB524

IN A COBOL F PROGRAM WHEN A COBOL
RESERVED WORD IS USED INCORRECTLY IN A REPORT
GROUP SECTION ./E.G. SOURCE IS PAGE/., THE
THE COMPILER MAY TERMINATE PREMATURELY.

MODULE -- IEQCBL10

*
P16307

CB524

IF THE LINKAGE SECTION OF A COBOL
PROGRAM RUN IN AN MVT ENVIRONMENT IS EXTREMELY
LARGE, ERRONEOUS LENGTHS MAY BE GENERATED FOR
GROUP ITEMS.

MODULE -- IEQCBL20

*
P16321

FO500

THE FOUR PROBLEMS WERE DEALT WITH AS
FOLLOWS: 1. SOURCE STATEMENTS OF THE FORM-
CALL IHC215./MINUS 1, & 940/. 940 CONTINUE
MAY CAUSE COMPILER TO GENERATE BAD CODE AS PHASE 20
INSERTS TEXT ENTRIES INCORRECTLY.
2. BRANCHING PROBLEM, CORRECTED BY APAR 17529.
3. CORRECTED BY APAR 15745.
4. UNABLE TO REPRODUCE SINCE NO DECK WAS FURNISHED.

MODULE -- IEKRGB

*
P16335

CI505

SYSJOBQE OVERFLOW WHILE READING
CARDS WILL CAUSE A OC5 PROGRAM CHECK. THIS PROBLEM
DOES NOT EXIST IN RELEASE 15-MFT, BUT IT DOES EXIST
IN PCP AND WILL BE CORRECTED FOR RELEASE 17.

MODULE -- IEFVHRSS

*
P16339

UT506

IEBUPDTE ABENDS WITH A OC5 IF THE FIRST
CONTROL CARD HAS A SYNTAX ERROR. THE FIRST CONTROL
CARD IS AN -ADD- FOLLOWED BY DATA FOLLOWED BY A GOOD
-ADD- CONTROL CARD.

MODULE -- IEBUPDT2

*
P16364 F0520

WHEN AN ARRAY IS REFERENCED BY AN
INCORRECT NUMBER OF SUBSCRIPT QUANTITIES AND ONE OF
THE SUBSCRIPT QUANTITIES IS A DO VARIABLE, PROGRAM
COMPILATION TERMINATES WITH AN OC5 ABEND.

MODULE -- IEYPAR

*
P16367 DM508

THE SEQUENCE WRITE-WRITE-WRITE-BACKSPACE-
BACKSPACE RESULTS IN A OF1 ABEND.

MODULE -- IGG019CJ

*
P16376 CI505

MACRO WAIT ECB EQ ./R/. SIGN BIT
SHOULD BE CLEARED BY LA 1, 0./O,R/.. PRESENCE OF
A SIGN CAUSES ABNORMAL TERMINATION.

MODULE -- IGG001

*
P16378 CI514

WORK SPACE NOT AVAILABLE DURING
SYSGEN. USERS RESPONSIBILITY TO ASSUME WORK SPACE
AVAILABILITY. HOWEVER, THE SUGGESTION RE LINKLIB
OVERALLOCATION IS ALREADY IN WORKS AND IS TARGETED
FOR RELEASE 16. SUGGESTION NO. 2 ALSO TARGETED
FOR RELEASE 16.

MODULE -- NONE

*
P16399 CQ513

OC5 ABEND IN MODULE IGG0193M WHEN
OPENING A LINE GROUP WITH MORE THAN FOUR LINES.

MODULE -- IGG0193M

*
P16405 CI505

 CONSOLE ERROR IS NOT UNIQUELY
IDENTIFIED AND OUTPUT IS NOT AUTOMATIC AFTER
CONSOLE SWITCH.

MODULE -- IEECVPMX, IEECVCTX

*
P16408 FD500

 FORTRAN H CANNOT HANDLE
CONCATINATION OF DATA SETS WITH UNLIKE
ATTRIBUTES.

MODULE -- IERFIOCS

*
P16429 UT506

 AN OC3 ABEND OCCURS COPYING A BDAM
DATA SET, USING IEHMOVE UTILITY TO COPY A VOLUME.

MODULE -- IEHMOVSTL

*
P16443 CB524

 WHEN THE SYSLIB DATA SET OF THE COBOL F
COMPILER IS BLOCKED MORE THAN 5 LOGICAL RECORDS PER
BLOCK, THE COMPILATION IS ABANDONED BECAUSE OF A
PERMANENT I/O ERROR ON SYSLIB.

MODULE -- IEQCBLOO

*
P16465 NL511

 PROGRAM MAY FAIL WITH CONVERSION
ERRORS WHEN IT CONTAINS A PROCEDURE WHICH RETURNS
MORE THAN ONE DATA TYPE AND WHICH IS PRECEDED BY A
PROCEDURE WITH TWO OR MORE RETURN STATEMENTS RETURNING
ONLY ONE DATA TYPE.

MODULE -- IEMNA

*
P16469 F0500

 OPT EQ 0 MAY GENERATE BAD CODE WHEN
PROCESSING.

DOUBLE LENGTH COMPLEX NUMBERS AS SHOWN BELOW

CGOFZ ./I,1/. EQ CMGOFZ

CGOFZ ./I,2/. EQ CMDOFZ

CGOFZ ./I,3/. EQ CMOLF

MODULE -- IEKRSL

*
P16480 F0500

 WHILE PROCESSING AN ASSIGNMENT STATE-
MENT INVOLVING SEVERAL MULTIPLICATIONS OR DIVISIONS
UNDER OPT EQ 1 OR OPT EQ 2, THE COMPILER MAY ASSIGN
THE WRONG REGISTER TO ONE OF THE OPERANDS, CAUSING THE
DIVISOR AND DIVIDEND TO BE REVERSED.

MODULE -- IEKRFR

*
P16486 DM508

 SYNADAF ISSUES A GETMAIN FOR SUBPOOL
0 FOR THE ERROR MESSAGE AREA. FOR MVT THIS RESULTS
IN A REQUEST FOR SUBPOOL 252 ./PROTECT KEY 0/. AND AN
ATTEMPT TO APPEND A USER MESSAGE IN THIS AREA ENDS
IN A 0C4 ABEND.

MODULE -- IGC0006H

*
P16490 CI505

 IEAATA ./IGC003/. RETURNS
CONTROL TO AN SIRB, WITH MORE THAN RQE OFF IT,
WITHOUT RESTORING REGISTERS.

MODULE -- IEAATA

*
P16500 CQ519

 THE MESSAGE SENT TO THE CPU IN
CONVERSE MADE IS NOT BEING SENT BACK TO THE
TERMINAL.

MODULE -- IGG019NN

*
P16505 CI505

 THE SYSTEM MAY FAIL TO RECOGNIZE
VALID SUBPARAMETERS ON DD CARDS OVERRIDING A
CATALOGED PROCEDURE USING A BACK REFERENCE TO A
PREVIOUS STEP.

MODULE -- IEFVFA

*
P16508 DM508

 WHEN USING THE OBTAIN MACRO TO THE
SORTIN WHICH IS ON THE SYSTEM INPUT DEVICE, CONTROL
IS NOT RETURNED TO SORT.

MODULE -- IGC0002G

*
P16522 DM508

 WHEN CONCATENATING INPUT DATA SETS
ON TAPE WITH NO LABELS, IF THE LAST DATA SET OF THE
CONCATENATION IS NOT ALLOCATED, EDV WILL NOT CHECK
FOR DUMMY DATA SET BUT WILL TRY TO USE THE UCB
ADDRESS OF ZEROES FOUND IN THE TIOT.

MODULE -- IGG0550N

*
P16547 UT506

 IEHLIST CANNOT TOTAL EMPTY TRACKS
ABOVE 0999.

MODULE -- IEHPRINT

*
P16550 DM508

 WHEN USING CHAINED SCHEDULING, AN
INVALID TEST IS BEING MADE FOR CHANNEL 9.

MODULE -- IGG019CU

*
P16582 CB524

IF IN THE OUTPUT PROCEDURE OF A COBOL
PROGRAM, USING THE SORT FEATURE, A RETURN VERB
SPECIFIES A FILE-NAME INSTEAD OF A SORT-NAME, NO
DIAGNOSTIC IS ISSUED AND EXECUTION RESULTS MAY BE
INCORRECT.

MODULE -- IEQCBL40

*
P16588 FD520

THE FORTRAN COMPILER MAY GENERATE
INCORRECT CODE FOR AN ARRAY REFERENCE WITHIN A DO
LOOP IN THE FOLLOWING SITUATION'

1. WHEN AT LEAST ONE OF A MULTI-DIMENSIONAL ARRAY-S
SUBSCRIPTS IS A DO-LOOP INDUCTION VARIABLE, AND
2. ONE OF THIS ARRAY-S FOLLOWING SUBSCRIPTS IS
ITSELF AN ARRAY, AND
3. THIS-INNER-ARRAY ALSO HAS A SUBSCRIPT WHICH IS
AN INDUCTION VARIABLE.

MODULE -- IEYPAR

*
P16592 DM508

CLOSE MODULE IGG0200B DOES NOT ISSUE A
914 ABEND WHEN USER ATTEMPTS TO WRITE USER LABELS WHICH
ARE NOT SUPPORTED.

MODULE -- IGG0200B

*
P16611 CI535

THE OPS CONSOLE SUPPORT FAILS TO
FUNCTION WHEN A 2250 IS USED AS A PRIME CONSOLE AND
THE READER/PRINTER IS USED AS AN ALTERNATE. THIS
PROBLEM STEMS FROM THE ECB FOR THE PRINTER AND THE
READER BEING IN DIFFERENT CORE LOCATIONS.

MODULE -- IEEOVDP1

*
P16612 CI535

MODULE IEECVOCG FAILS TO ESTABLISH
THE BASIC GRAPHICS ATTENTION INDEX IN THE JOB
WHEN RELINQUISHING CONTROL.

MODULE -- IEECV9CG

*
P16641 CI505

WITH THE MULTIPLE WAIT OPTION, THE
WAIT MACRO WILL EXCEPT MORE THAN ONE WAIT ON A SINGLE
ECB.

MODULE -- WAIT, IEAAWT

*
P16665 IO526

IF ABEND TRIES TO CLOSE AN ISAM
DATA SET, A WAIT STATE MAY RESULT.

MODULE -- IGG02029 AND IGG0202I

*
P16670 CI505

IF A DD CARD SPECIFIES UNIT EQ AFF EQ
TO A DD DUMMY CARD THE SYSTEM GOES INTO A WAIT STATE.

MODULE -- NONE

*
P16681 DM509

A BDAM WRITE ADD WITH THE EXTENDED
SEARCH OPTION MAY RESULT IN AN OC4 ABEND IF THE
SEARCH FOR SPACE STARTS AT THE END OF THE DATA SET.

MODULE -- IGG019LG

*
P16691 NL511

AN EXECUTION ERROR MAY OCCUR WHEN A
BLOCK CONTAINS MULTIPLE DEFINITIONS OF A SUBSCRIPTED
LABEL PREFIX.

MODULE -- IEMEG

*
P16700 F0500

WHEN INITIALIZING SUBSCRIPTED VARIABLES USING THE DATA STATEMENT, TEXT ITEMS FOR THE DATA CONSTANTS MAY BE GENERATED IN A NON-SEQUENTIAL ORDER FOR ANY PARTICULAR ARRAY. FOR ANY PARTICULAR ARRAY. FOR EXAMPLE' DATA A./1/./1.0/,A./2/./2.0/.,A./3/./3.0/ WOULD GENERATE' LOC A./1/. DC X-4100000- LOC A./3/. DC X-41300000- LOC A./2/. DC X-41200000- OBJECT TEXT IN THE PUNCHED OUTPUT DECK CAN ONLY BE PACKED IF THE DATA IS TO BE LOCATED IN ASCENDING SEQUENTIAL CORE LOCATIONS. HENCE EACH OF THE THREE ITEMS ABOVE IS PLACED ON A SEPARATE CARD.

MODULE -- IEKGDA

*
P16701 UT506

IEBUPDTE WILL GO INTO A PRINT LOOP IF A './ NUMBER' CARD IS OUT OF ITS PROPER POSITION IN THE INPUT STREAM. THE CARD WHICH IS OUT OF ORDER IS PRINTED OUT REPEATEDLY.

MODULE -- IEBASCAN, IEBUPDT2

*
P16721 F0500

WHEN COMPILING PROGRAMS USING THE DECK OPTION, A COMPILATION DELETED TERMINATION FOR ONE OF THESE PROGRAMS MAY CAUSE THE GENERATION OF INCORRECT NAME AND SEQUENCE NUMBERS IN COLUMNS 73-80 OF THE PUNCHED OUTPUT FOR THE SUBSEQUENT PROGRAM.

MODULE -- IEKAA00, IEKTLOAD

*
P16722 F0092

ERROR MESSAGE IEJ068I WAS PRODUCED FOR A REAL CONSTANT, '30.0E PLUS 6.' THE CONSTANT WAS WRITTEN CORRECTLY AND NO ERROR MESSAGE SHOULD HAVE BEEN PRODUCED. THE ADJUST OPTION WAS IN EFFECT WHEN THIS OCCURRED. THE MESSAGE WAS NOT PRODUCED WHEN THE PROGRAM WAS COMPILED USING THE NOADJUST OPTION.

MODULE -- IEJFFAA0

*
P16728 UT506

IEBUPDTE PRINTED MESSAGE IEB515I
AFTER A CONTROL STATEMENT ERROR. SINCE NO OTHER
CONTROL CARDS FOLLOWED ERROR THIS MESSAGE IS
MISLEADING AND INVALID. IEB515I' CANNOT PROCESS
MORE THAN ONE PS DATA SET PER PASS.

MODULE -- IEBUPDT2

*
P16738 DM508

THE TAPE APPEARS TO RUN AWAY WHEN THE
SECOND REEL IS CONCATENATED AND BLP IS SPECIFIED.

MODULE -- IGG0550X

*
P16745 NL511

IF A CONSTANT SECOND ARGUMENT TO THE
BUILT IN FUNCTION SUBSTR IS GREATER THAN THE STRING
LENGTH OF THE FIRST ARGUMENT, THEN COMPILATION MAY
FAIL WITH MESSAGE -COMPILER ERROR.INVALID ERROR
MESSAGE CHAINS.- OR MESSAGE IEM3852I.

MODULE -- IEMOS

*
P16751 CI505

WHEN USING SYSOUT EQ B FOR SYSPUNCH
JOB SEPARATOR CARDS FALL INTO POCKET 3 AND OUTPUT
DATA IN POCKET 1.

MODULE -- IEFSD059

*
P16770 NL511

COMPILER ERROR MESSAGE IEM38561 IN
MODULE IEMEY WHEN A LARGE CONTROLLED ARRAY IS
INITIALIZED ON ALLOCATION. FOR SIMPLE INITIAL
VALUES WITHOUT ITERATION A MAXIMUM OF 100 IS ACCEPTED.

MODULE -- IEMEZ

*
P16771 NL511

NO DIAGNOSTIC IS PRODUCED WHEN THE LABEL USED IN A GO TO STATEMENT IS A LABEL CONSTANT ON A FORMAT STATEMENT.

MODULE -- IEMCS IEMCT IEMFI IEMFX IEMXW

*
P16775 NL511

MESSAGE IEM3856I PROGRAM CHECK TYPE 1 OR 5 IN MODULE IEMOS, A LOOP IN MODULE IEMOS, OR ABORT WITH COMPLETION CODE OC5 MAY OCCUR DUE TO AN ERROR IN THE HANDLING OF DICTIONARY SPILL.

MODULE -- IEMOS

*
P16776 LM512

WHEN A SEMI-COLON IS THE LAST BYTE OF AN INPUT FILE THE PROGRAM MAY LOOP IN EXECUTION IN MODULE IHESAP.

MODULE -- IEMDDI

*
P16781 NL511

EXECUTION MAY TERMINATE WITH MESSAGE IHE800I WHEN A STATIC STRUCTURE CONTAINS A BIT STRING ARRAY, THE ELEMENTS OF WHICH HAVE A LENGTH THAT IS NOT A MULTIPLE OF EIGHT.

MODULE -- IEMPH

*
P16783 NL511

COMPILER MAY FAIL IN MODULE IEMFI WITH MESSAGE IEM3852I WHEN A LABEL VARIABLE WHICH IS DECLARED WITH A VALUE LIST, IS USED IN GOTO STATEMENT.

MODULE -- IEMFI

*
P16794 UT506

ON ONE MEMBER OF A 1404 MEMBER PDS
IEBCOPY GIVES MESSAGE IEB1201 AS A RESULT OF A SYNAD
EXIT ./I/O ERROR/.. THE PROBLEM INVOLVES A SEQUENTIAL
DEPENDENCY, NOT APPEARING WHEN MEMBER JT23226 IS NOT
IN THE INCLUSIVE COPY.

MODULE -- IEBCOPYD

*
P16804 C0503

IN CORRECT CODE GENERATED FOR AN IF
STATEMENT. WHEN THE DATA-NAME IS A REPORT ITEM AND IT IS
COMPARED TO A FIGCON, AN INCORRECT LENGTH IS PICKED UP FOR
THE DATA NAME CAUSING THE WRONG CODE TO BE GENERATED.

MODULE -- IEPPG400

*
P16807 CB524

WHEN IN A COBOL -F- SOURCE PROGRAM
LEVEL 77 ENTRIES ARE NOT FIRST IN THE WORKING-
STORAGE SECTION, ANY REPORT ITEMS WILL RECEIVE AN
INCORRECT LENGTH AND COMPILATION MAY TERMINATE IF
THEY ARE REFERENCED IN THE PROCEDURE DIVISION.

MODULE -- IEQCBL20

*
P16810 UT506

MOVING ./MOVE/. A PDS FROM A 2311
DISK TO TAPE ./UNLOAD/. CAUSES THE FOLLOWING
MESSAGES TO EMANATE: IEH411I DATA SET XXXX
UNLOADED BECAUSE ACCESS METHOD NOT COMPATIBLE.
IEH389I I/O ERROR ENCOUNTERED IN INPUT DATA SET
XXXX IEH36I DATA SET XXXX NOT MOVED COPIED TO
VOLUME./S/..

MODULE -- IEHMVERD

*
P16823 I0526

 WHEN USING BISAM, WRITE KEY NEW
./KN/., WITHOUT WRITE CHECK, AN ATTEMPT TO ADD A
RECORD TO THE DATA SET WITH A KEY HIGHER THAN AN
ALREADY EXISTING KEY MAY RESULT IN AN 'UNREACHABLE
BLOCK' CONDITION.

MODULE -- IGG019GN

*
P16831 CI505

 INVALID DELIMITER IN MESSAGE IEA000I.
CODING ERROR IN IGE0025C.

MODULE -- NONE

*
P16859 CI505

 WITH PROGRAM CHECK, ABDUMP ERRONEOUSLY
PRINTS THE 'PSW' AT ENTRY TO ABEND. IN THIS CASE IT
PRINTS THE CONTENTS OF TCBPLUS16 INSTEAD OF RBPLUS16.

MODULE -- IEAAADOA

*
P16862 CI505

 ERROR RECOVERY INTERFACE.

MODULE -- IEWFTMIN

*
P16866 DM508

 THE PROBLEM OCCURS WHEN DD STATEMENTS
PRIOR TO THE DD STATEMENT REQUESTING SPLIT SPACE, FORCE
THE SPLIT REQUEST ONTO A VOLUME WHERE THERE IS
INSUFFICIENT SPACE TO SATISFY THE REQUEST. UNDER THIS
CONDITION AND IF SPLIT HAS THE (TYPE ALLOCATION,
ALLOCATE CONVERTS THE (TO TRACKS AND STORES IT IN THE
JFCB BEFORE DETERMINING IF THE REQUESTED UCB WILL BE
ABLE TO SATISFY THE SPACE REQUEST. THIS LEAVES THE JFCB
ALTERED WHEN THE ERROR RETURN IS MADE TO THE SCHEDULER.
THE SCHEDULER RETRIES TO ALLOCATE USING ANOTHER UCB.
THIS RETURN TO ALLOCATE USES THE SAME JFCB. ALLOCATE
AGAIN CONVERTS (TO TRACKS USING AS A (THE NUMBER OF
TRACKS PREVIOUSLY CALCULATED.

MODULE -- IGG0325B, 325D, 325E, 325K

*
P16876 DM508

 WHEN USING PAPERTAPE INPUT, WITH QSAM
AND NO TRANSLATION, MODULE IGG019AC DOES NOT HANDLE A
ZERO RECORD LENGTH CORRECTLY AND A WRONG IOB IS
SCHEDULED.

MODULE -- IGG019AC

*
P16900 CI505

 SYSOUT TO TAPE-SPRINTER UNABLE
TO PROPERLY PRINT A SYSABEND DUMP.

MODULE -- IEAAAD00,IEAATM04,IEAQADOA

*
P16907 DM508

 A PERMANENT ERROR OCCURS WHEN
CROSSING AN EXTENT BOUNDARY USING BSAM WITH
CHAINED SCHEDULING AND PCI. THE PROBLEM IS
CAUSED BY AN SVC WAIT ISSUED SPECIFYING AN
INCORRECT ECB.

MODULE -- IGG019CV

*
P16913 NL511

 COMPILER LOOPS IN MODULE IEMCO
WHEN AN ELSE CLAUSE FOLLOWS AN ON STATEMENT WHICH
IS THE FIRST UNIT ./I.E. FOLLOWS THEN/. OF THE
CONTAINING IF STATEMENT AND THE PROGRAM HAS AT
LEAST ONE DECLARE STATEMENT.

MODULE -- IEMCO

*
P16918 DM508

 THE 77 BYTE LOGGING FIELD IN RECORDS
OF THE PASSWORD DATA SET ARE BEING PADDED WITH
ZEROS AT WRITE COUNTER TIME.

MODULE -- IGG0190Q

*
P16938 F0500

 UNDER OPT EQ 2, THE COMPILER MAY
ATTEMPT TO USE A NON-EXISTENT FLOATING POINT REGISTER
WHEN COMPARING TWO FLOATING-POINT VARIABLES IN A
STATEMENT SUCH AS
 IF ./XHIGH.GT.XPLUSY/. GO TO 100

MODULE -- IEKPGK

*
P16949 F0092

 WHEN THE OUTER PARENTHESES ARE
OMITTED FROM AN IF EXPRESSION WHICH CONSISTS OF
A SINGLE, SUBSCRIPTED VARIABLE, THE COMPILER MAY
FAIL TO DIAGNOSE THE ERROR IF THE -ADJUST- OPTION
IS IN EFFECT. THIS MAY OCCUR IF THE ADJUST PHASE
DROPS THE VARIABLE NAME AND PASSES THE SUBSCRIPT
EXPRESSION AS THE IF EXPRESSION.

MODULE -- IEJFFAA0

*
P16959 CI505

 IF THE USER SPECIFIES AN INCORRECT
LENGTH FOR A WTD MESSAGE, THE CONSOLE TYPEWRITER
STARTS TO WRITE AN ENDLESS TEXT. TO CAUSE THIS
PROBLEM THE INCORRECT LENGTH MUST BE GREATER THAN
255, THUS TURNING ON ADDITIONAL BITS IN THE NEXT
BYTE ./WTC01 FLAG BYTE/..

MODULE -- IEEWTC01

*
P16961 F0500

 DO LOOPS WHICH WERE INCORRECTLY NESTED,
E.G., DO 20 -
 DO 21 -
 DO 20 -
 20 CONTINUE
 21 CONTINUE
WERE NOT FLAGGED.

MODULE -- IEKCP, IEKDIO

*
P16962 CI535

PROGRAMS LOOPED IN IEAQEM01 WHEN
IEAQT33 ISSUED A GETMAIN TO BUILD AN SVRB.

MODULE -- IEAQTR33

*
P16998 CB524

IF IN A COBOL F PROGRAM, A LEVEL
88 APPEARS UNDER AN ELEMENTARY ITEM WHOSE SIZE
IS GREATER THAN 120 POSITIONS, COMPILATION MAY
TERMINATE PREMATURELY. SINCE AN ALPHANUMERIC
LITERAL CAN NOT EXCEED 120 POSITIONS, THIS USE
OF A LEVEL 88 IS INCORRECT. IN THE FUTURE A
DIAGNOSTIC WILL BE GENERATED.

MODULE -- IEQCBL20

*
P16999 I0523

REFERENCE' PLM' Y27-7113-2 CHART CL
BLOCK H1. ADDRESS OF IRB HAS BEEN DESTROYED BY
OVERLAYING WITH POINTER. SINCE POINTER IS ZERO
. /G1/. , IQE IS STORED IN ADDRESS OPLUS60, THE
LOCATION OF THE SVC NEW PSW.

MODULE -- IGC0007E

*
P17006 CI505

VOLUME SERIAL NUMBERS ON DD CARDS WHICH
EXCEED 6 CHARACTERS ARE TRUNCATED, CAUSING INCORRECT
ALLOCATION AND ABEND IN EXECUTION OF JOB.

MODULE -- IEFVDA

*
P17027 CB524

THE FOLLOWING NON-STANDARD UNDOCUMENTED
DIAGNOSTIC AS ISSUED IN A COBOL SOURCE PROGRAM 'ASTERISK
ASTERISKERROR FOUND PROCESSING F4 TEXT ASTERISK ASTERISK'.

MODULE -- IEQCBL60

*
P17034 CI505

WHEN ISSUING A MOUNT COMMAND AND SPECIFYING A VOLUME SERIAL NUMBER, THE UCB FIELD -SRTEVOLI- IS LOADED WITH THE WRONG SERIAL NUMBER. THIS RESERVES THE DEVICE SPECIFIED IN THE MOUNT COMMAND FOR A NON-EXISTENT VOLUME.

MODULE -- IGC0103D

*
P17037 CI505

AFTER RESTART IS EXECUTED, THE NEXT JOB MAY ABEND WITH AN OC9 COMPLETION CODE.

MODULE -- NONE

*
P17057 F0500

UNDER OPT EQ 1 OR 2, USE OF A B-BLOCK LABEL IN AN END OR ERR PARAMETER WILL CAUSE BAD BRANCHING. BRANCHES TO LABELS FOLLOWING THE OCCURRENCE OF AN END OR ERR PARAMETER REFERENCING A B-BLOCK ./ONE WHICH CANNOT BE REACHED VIA AN RX BRANCH/. WILL BE INCORRECT.

MODULE -- IEKSBS

*
P17060 UT506

IEBISAM WILL TERMINATE WHILE PERFORMING THE LOAD FUNCTION UNDER MVT WHEN THE NEXT TO LAST BYTE IN AN UNLOADED 80 BYTE RECORD IS THE END OF A LOGICAL RECORD TO BE PLACED IN AN ISAM DATA SET AND THE LAST BYTE STARTS THE CHARACTERISTIC FIELD FOR THE NEXT LOGICAL RECORD TO BE PLACED IN THE ISAM DATA SET. THIS ERROR APPEARS IN THE FORM OF THE SYSTEM MESSAGE IEB604I -NUMBER OF CHARACTERS TO BE TRANSMITTED EXCEEDS LIMIT-. THE PROBLEM DOES NOT OCCUR UNDER PCP OR MFT.

MODULE -- IEBISSI

*
P17077 CI505

THE IBM SYSOUT WRITER JOB SEPARATOR
ROUTINE DOES NOT FUNCTION WHEN A JOB HAS FAILED OR WHEN
A SYSOUTEQA DD CARD IS NOT INCLUDED IN THE JCL.

MODULE -- IEFW21SD

*
P17082 RG038

A FIELD USED TO UPDATE A VARIABLE
SEQUENTIAL DISK RECORD IS INCORRECTLY PLACED FOUR
POSITIONS TO THE LEFT OF ITS SPECIFIED LOCATION
WITHIN THE UPDATED RECORD.

MODULE -- IEF18010

*
P17087 CI505

MESSAGE IEESOSI RESULTS FROM
ISSUANCE OF START WTR, XXX TO A TAPE DEVICE
ALREADY CONTAINING A CLASS A WRITER. PRIOR TO
RELEASE 14 THIS PROCEEDURE WOULD CLOSE THE TAPE
AND ISSUE MOUNT REQUEST FOR NEW TAPE.

MODULE -- IEESTART

*
P17091 DM508

WHEN USING FOUR BUFFERS WITH QSAM
UPDATE AND THE FIRST BUFFER IS ONLY PARTIALLY FILLED, A
001 ABEND OCCURS.

MODULE -- IGG019AF

*
P17101 F0500

INCORRECT CODE WAS GENERATED BY
FORTRAN H FOR AN IMPLIED DO STATEMENT IN AN I/O
LIST WHEN A LEFT PARENTHESIS IMMEDIATELY FOLLOWS
ANOTHER DELIMITER.

MODULE -- IEKCDO

*
P17107 CQ513

BTAM DEVICE I/O MODULES IGG019M2 AND
IGG019MZ DO NOT GENERATE CHANNEL PROGRAMS AS DESCRIBED
IN THE BTAM SRL C30-2004 AND PLM Y30-2001. THE WRITE
CIRCLE-D CCW IS BEING OMITTED.

MODULE -- IGG019M2,IGG019MZ

*
P17109 CI505

A 113 ABEND MAY OCCUR ON AN ATTEMPTED
RESTART. THE ABEND OCCURS WHILE TRYING TO OPEN AND
POSITION A TAPE.

MODULE -- NONE

*
P17113 F0500

UNDER OPT EQ 1, THERE MAY BE MISSING
OUTPUT RECORDS DUE TO THE COMPILER FAILING TO GENERATE
THE FINAL BAL INSTRUCTION IN THE CALLING SEQUENCE TO
IBCOM WHEN GENERATING CODE FOR A WRITE STATEMENT.

MODULE -- IEKRF1

*
P17118 CI505

VCB VOLUME SUBROUTINE DETERMINES A GDG
ALL REQUEST BY TESTING AN UNRELIABLE FIELD IN THE JFCB
BEING CREATED, CAUSING 237 ABEND WHEN INCORRECT FILE
SEQUENCE IS USED.

MODULE -- IEFVMLS1, IEFVM4LS

*
P17128 UT506

WHEN RUNNING IEHINITT ON
CONJUNCTION WITH OTHER JOBS UNDER MVT, A F03
ABEND CAN OCCUR IF THE TAPE DRIVE BEING USED
IS 7-TRACK OR DUEL DENSITY. THE PROGRAM
EXECUTES NORMALLY WHEN RUN ALONE.

MODULE -- IEHINITT

*
P17130 DM508

 A OC6 ABEND OCCURS WHEN RENAMING
A PASSWORD PROTECTED DATA SET.

MODULE -- IGG03001

*
P17132 CI514

 GENERIC NAME 'SYSDA' DOES NOT INCLUDE
2314 DEVICES IN STARTER SYSTEM. SRL STATES THAT SYSDA
DOES.

MODULE -- NONE

*
P17152 NL511

 THE MOD FUNCTION FOR FLOATING POINT
ARGUMENTS WILL RETURN INCORRECT RESULTS WHEN THE
IMPROVED FLOATING POINT ENGINEERING CHANGE IS
INSTALLED. THIS IS CAUSED BY THE ADDITION OF THE
GUARD DIGIT TO THE LONG FLOATING POINT HARDWARE.

MODULE -- IEMMJ

*
P17157 CI535

 IF THE PCI APPENDAGE GAINS CONTROL
AFTER THE EXECUTION OF A STORE INSTRUCTION AND BEFORE
THE EXECUTION OF THE FOLLOWING MOVE IMMEDIATE
INSTRUCTION ./WHICH ARE USED TO CONSTRUCT A CHANNEL
COMMAND WORD/. THE PCI APPENDAGE WILL ISSUE AN EXCP
WITH AN INVALID CHANNEL COMMAND WORD CAUSING A
CHANNEL PROGRAM CHECK.

MODULE -- IEWFETCH

*
P17165 NL511

 IF THE PRECISION ARGUMENT OF ADD
BUILTIN FUNCTION IS SPECIFIED AS 16, WHEN OTHER
ARGUMENTS ARE FLOAT THEN MESSAGE IEM1056 IS
ERRONEOUSLY PRODUCED.

MODULE -- IEMIM

*
P17166 CI505

60A ABEND WHEN FREEING CORE FOR CLOSE.

MODULE -- IEAAMS

*
P17167 CI535

WHILE THE ORDER CDQ ROUTINE IN EXIT
IS COMPARING CDE ADDRESSES WITHIN THE CONTENTS
DIRECTORY QUEUE, IT IS POSSIBLE THAT AN EQUAL
COMPARE WILL NEVER MATERIALIZE BECAUSE OF BITS SET
IN THE HIGH ORDER BYTE OF THE CDE MAJOR ENTRY
POINTER.

MODULE -- IEAQET

*
P17172 LM537

IN MODULE IFFACA08 ./RQATN/. AN
ATTENTION ON AN INACTIVE D.S. CAUSE ALL ATTENTION
HERE AFTER TO BE LOST. THIS IS BECAUSE POINTER TO
THE ACTIVE D.S. ARE NOT RESTORE.

MODULE -- IFFAQA08

*
P17173 NL511

COMPILER FAILS WITH MESSAGE
IEM10281 IN MODULE IEMIA OR WITH MESSAGE
IEM38521 IN MODULE IEMPP OR IEM12001 IN MODULE
IEMLB WHEN AN ITEM HAS THE INITIAL CALL
ATTRIBUTE WITH NO ARGUMENT LIST AND APPEARS IN
THE SAME PROGRAM AS AN ITEM WHICH IS DYNAMICALLY
DEFINED.

MODULE -- IEMFV

*
P17176 NL511

COMPILER MAY TERMINATE WITH ERROR
MESSAGE IEM385211 IN MODULE IEMHF IF THE SOURCE
PROGRAM CONTAINS AN ASSIGNMENT STATEMENT INVOLVING
STRUCTURES WITH DIFFERENT STRUCTURING. THIS APAR
WAS SUBMITTED BECAUSE OF A SUSPECTED LOOP IN THE
COMPILER. THIS SUSPICION PROVED GROUNDLESS ON
INVESTIGATION. THE EXPLANATION IS THAT THIS JOB
TAKES EXCESSIVE TIME IN COMPILATION.

MODULE -- IEMHF

*
P17190 DM508

EOV GIVES AN INCORRECT MODE SET IN
THE DEB ./DEBVMOD/. CAUSING THE NSL ROUTINE TO WRITE
INCORRECT LABELS ON THE SECOND THROUGH NTH REELS OF TAPE
./OUTPUT/.. THIS PROBLEM OCCURS BECAUSE EOVS SETS THE
MODE TO TRANSLATE ON, EVEN PARITY, TO READ THE LABEL,
AND FAILS TO RESET TO ORIGINAL MODE BEFORE PASSING
CONTROL TO THE NSL ROUTINE.

MODULE -- IGG0550P

*
P17192 DM508

MODULE IGG019CN DOES NOT TRANSLATE
USACII CHARACTERS CORRECTLY FOR PAPERTAPE.

MODULE -- IGG019CN

*
P17198 UT506

KEYPUNCH ERROR IN CONTROL CARD FOR
IEBUPDTE RESULTED IN THE DESTRUCTION OF THE DIRECTORY
FOR SYS1.PROCLIB.

MODULE -- IEBASCAN

*
P17217 DM508

MODULE IGG019CD ALLOWS THE TRACK
BALANCE TO BECOME NEGATIVE.

MODULE -- IGG019CD

*
P17224 F0500

A PREALLOCATED DATA SET CANNOT BE
REFERENCED ON THE SYSUT 2 CARD FOR XREF IF THE
BLKSIZE IS NOT AN INTEGRAL MULTIPLE OF THE LRECL
CALCULATED BY THE COMPILER.

MODULE -- IEKFI0CS

*
P17243 F0500

 WHEN COMPILING USING THE XREF
OPTION, INCORRECT CODE MAY BE GENERATED FOR A
REFERENCE TO A LIBRARY FUNCTION. DEPENDING ON
SYSGEN PARAMETERS, THIS PROBLEM WILL OCCUR IN A
RANDOM FASHION.

MODULE -- IEKJDF

*
P17256 CI505

 A START WRITER COMMAND WILL BE
HONORED TO AN OFFLINE DEVICE.

MODULE -- IEESTART

*
P17259 NL511

 THE MESSAGE ASTERISK ASTERISK
ASTERISK - THIS MESSAGE APPEARS EITHER IN THE
WRONG CHAIN OR IN THE WRONG BLOCK.MAY BE
OUTPUT IN PLACE OF THE TEXT FOR MACRO DIAGNOSTIC
MESSAGES IEM3889I TO IEM3895I.

MODULE -- IEMAB, IEMBO

*
P17264 DM508

 EXTRA SPACE OCCURS ON THE PRINTER WHEN
USING USAS CHARACTERS AND CHAINED SCHEDULING, AND UNIT
CHECK OCCURS ./INTERVENTION REQUIRED/. ON THE WRITE CCW.

MODULE -- IGG0191Q

*
P17292 F0520

 WHEN A STATEMENT NUMBER CONSISTS OF
5 DECIMAL DIGITS, ONLY 4 DIGITS ARE PRINTED IN THE
OBJECT MODULE LISTING.

MODULE -- IEYEXT

*
P17296 UT506

 UNDER CERTAIN CONDITIONS MESSAGE
IEH405I, '...UNABLE TO MOUNT FROM VOLUME,' IS
ISSUED BY IEHMOVE, DESPITE BOTH CORRECT JCL AND THE
DESIRED VOLUME-S ACTUALLY BEING MOUNTED.

MODULE -- IEHMOVXS

*
P17315 AS037

 AT INITIATION, BOTH THE OPEN MACRO AND
THE DEVTYPE MACRO USE THE DDNAMES FOR SYSGO AND SYSPUNCH
IN THEIR DCB-S. UNDER CERTAIN CONDITIONS, THE DDNAMES
ARE MUTILATED BY THE OPEN MACRO, AND SUBSEQUENTLY, THE
DDNAMES PASSED TO THE DEVTYPE MACRO ARE INVALID.

MODULE -- IEUF7I

*
P17321 DM508

 IF AN ISAM DATA SET IS OPENED FOR LOAD
MODE WITHOUT HAVING SPECIFIED OUTPUT, THE FORMAT 1 OSCB
MAY BE INCOMPLETE AND HENCE, THE DATA SET MAY BE
USELESS.

MODULE -- IGG0192B

*
P17332 I0526

 ATTEMPTING TO DO A BISAM WRITE KEY NEW
WHEN THERE IS INSUFFICIENT SPACE IN A DATA SET MAY
RESULT IN THE LOSS OF AN ALREADY EXISTING RECORD.

MODULE -- IGG01960, G1, G2, G3, G4, G5, G6, G7, GL,
M, GN, GO

*
P17334 CI535

 COMMAND FORMAT AS DISPLAYED ON THE
2250 DO NOT CONCUR WITH THOSE COMMAND FORMATS NOTED
IN SRL C28-6540-7 ./IBM SYSTEM 360 OPERATING SYSTEM
OPERATORS GUIDE/. THESE FORMATS HAVE BEEN CHANGED
FROM REL NO. 12 TO REL NO. 14 AND THE SRL UPDATED,
BUT, THE 2250 DISPLAY HAS NOT BEEN CHANGED.

MODULE -- IGC3807B, IEECVOP2

*
P17356 UT506

OC7 ABEND WHEN POWEREQXX USED IN
IEHMOVE WITH TWO DIGITS AND AS OTHER THAN LAST
PARAMETER.

MODULE -- IEHMOVXSE

*
P17358 RG038

IF MATCHING RECORD PROCESSING IS USED AND
END OF FILE E IS USED IN THE FILE DESCRIPTION
SPECIFICATION FOR THE PRIMARY FILE, PRIMARY END OF FILE
STOPS PROCESSING BEFORE THE SECONDARY FILE RECORDS WHICH
MATCH THE LAST PRIMARY RECORD CAN BE PROCESSED.

MODULE -- IES13010

*
P17359 RG038

THE OS RPG SRL STATES ON PAGE 66 THAT
THE LENGTH AND DECIMAL POSITIONS NEED NOT BE SPECIFIED
FOR A FIELD IN AN RLABL CALCULATION SPECIFICATION IF
THEY ARE GIVEN IN A PRECEEDING INPUT OR CALC SPEC. IF
THIS IS ATTEMPTED A DIAGNOSTIC IS PRINTED FOR FIELD
BLANKS MISSING OR IMPROPERLY SPECIFIED.

MODULE -- IES06010, IES07010, IES09010, IES10010

*
P17360 RG038

THE OS RPG COMPILER IS INCOMPATIBLE
WITH THE BPS, BOS AND DOS COMPILER BECAUSE THE OBJECT
PROGRAM USES AN S INSTEAD OF A C FOR THE SIGN BITS IN
A POSITIVE NUMERIC OUTPUT FIELD.

MODULE -- IES16010

*
P17371 CI535

WHEN PTF 15764 IS APPLIED TO A
SYSTEM AND AN I/O ERROR IS ENCOUNTERED IN MODULE
IEFYSVMS A WTO MESSAGE IS ISSUED, HOWEVER, IN
TRYING TO CONTINUE THE JOB, THE SYSTEM WILL END IN
A F03 ABEND.

MODULE -- IEFYSVMS

*
P17373 CQ513

DCB MACRO GENERATES INCORRECT
BISYNCH DEVICE INTERFACE. BIT 0 OF BYTE 1 IS NOT
SET TO INDICATE REMOTE STATION IF THE MODE
PARAMETER IS OMITTED OR ONLY ONE SUBOPERAND CODED.

MODULE -- DCB

*
P17374 CI505

THE SYSTEM ALLOWS THE VARYING OF
COMMUNICATION LINE DEVICES OFFLINE, WHICH IS
INVALID.

MODULE -- IEE1103D

*
P17378 ED510

THE LINKAGE EDITOR MIGHT OBTAIN BUFFERS
FOR SOME OF ITS DATA SETS DUE TO THE MERGE OF THE JFCB
AND THE DCB DURING OPEN.

MODULE -- IEWLEINT, IEWLEROV

*
P17385 FO500

COMPILER DID NOT FLAG A NAME WHICH WAS
USED AS A VARIABLE AND THEN USED AS A FUNCTION.

MODULE -- IEKCAR, IEKP30

*
P17392 PT516

A LOOP OCCURRED DURING -FLOW- TRACE
OF A STORE INSTRUCTION. TESTRAN MODULE IEGTTRNT SETS
THE WRONG PROTECT KEY WHEN EXECUTING A STORE INSTRUCTION,
ALLOWING THE PROGRAM BEING TESTED TO STORE OUTSIDE ITS
AREA.

MODULE -- IEGTTRNT

*
P17394 CQ519

AFTER A QTAM RESTART, MESSAGES ARE NOT
SENT FROM TERMINALS OPENED FOR OUTPUT ONLY.

MODULE -- IGG0193T

*
P17420 F0500

THE APPEARANCE OF A UNARY MINUS PREFIXING
A COMPLEX VARIABLE MAY CAUSE THE COMPILER TO ABEND.

MODULE -- IEKKOP

*
P17427 CI505

SHORT ABEND DUMP. CONSOLE MESSAGE
-ABEND IABDUMP ERROR-NO ABEND OUTPUT-. ONE TRACE
TABLE ENTRY FORMATTED AND IT IS DESTROYED.

MODULE -- IEAAAD03, IEAAAD05

*
P17428 AS037

NULLFILE ON SYSIN DATA SET CAUSES
ASSEMBLER TO ABEND.

MODULE -- IEUF2

*
P17447 LM501

A FLOATING POINT ZERO IS SOMETIMES
PRINTED AS -0.0.

MODULE -- IHCFVTH, IHFCOME

*
P17453 AS037

ASSEMBLER ABENDS WHEN IT ENCOUNTERS A
COPY WITHIN CODE IT IS COPYING. THUS A COPY WITHIN A
COPY, WHICH IS NOT PERMITTED, UNTRACKS THE ASSEMBLER.

MODULE -- IEUF2, IEUF2A

*
P17456 UT506

DURING EXECUTION OF IEHLIST, DSCB
ADDRESS IS INCORRECT WHEN LISTING VTOC WITH DSNAME.

MODULE -- NONE

*
P17464 CI535

806 ABEND OCCUR IF JOBLIB DATA SET
IS DISMOUNTED BETWEEN STEPS AND REMOUNTED ON
DIFFERENT DRIVE.

MODULE -- NONE

*
P17468 IO523

THE POR-S MENTIONED FAIL TO CHECK THE
PROPER CONDITIONS FOR STORING DATA IN THE GOOD WHEN
THE ORDERS ARE FOR VECTOR MODE AND THE CONDITIONS ARE
SUCH THAT OVERFLOW WILL OCCUR.

MODULE -- IFFPEAGR,IFFPBAPL,IFFPCAAR,IFFPDHPL,IFFPFAVA

*
P17471 SM023

SORT DID NOT RECOGNIZE PERMANENT
I/O ERROR WHEN PROTECTION CHECK OCCURRED ON A
TAPE READ. THIS RESULTED IN A RUNAWAY TAPE.

MODULE -- IERRGB

*
P17474 UT506

THE JEHMOVE UTILITY DOES NOT RECOGNIZE
AN INVALID KEYWORD IN THE COPY PDS STATEMENT. A
VOLUMEEQXXXXEQXXXXXX WILL CAUSE THE ENTIRE VOLUME TO
BE COPIED WHEN IT SHOULD BE FLAGGED AS INVALID.

MODULE -- IEHMVESJ,IEHMVSS

*
P17480 CI535

SNAP MACRO-REGISTER FORMAT OF
SPECIFYING STORAGE. NUMBER OF WORDS AND ENDING
ADDRESSES ARE INCORRECT.

MODULE -- IEAQAD06

*
P17481 CI505

SNAP MACRO-REGISTER FORMAT OF STORAGE
REQUEST AREA ENDING IN C-4.
GET ADDR ENDING IN C-8.

MODULE -- IEAAD05

*
P17493 CI505

MESSAGE -IEF244I - UNABLE TO ALLOCATE
FROM AVAILABLE DEVICES- IS ISSUED AND THE JOB IS
TERMINATED WHEN USING PASSED DATA SETS WITH UNIT
AFFINITY. THE REQUESTS FOR UNIT AFFINITY ARE HONORED.

MODULE -- IEFX5000

*
P17516 IO526

ISAM MAY NOT ALWAYS DETECT A BAD
SEEK, BUT MAY INSTEAD RETURN AN INCORRECT ERROR
INDICATION.

MODULE -- IGG019GN, IGG019GO, IGG019G8, IGG019G9,

*
P17529 FO500

OPTEQ2 GENERATES INCORRECT
DISPLACEMENT FOR HANDLING AN ERRONEOUS VARIABLE
RETURN FROM A SUBROUTINE. THE BRANCH, FOR
RETURN VALUES GREATER THAN THE NUMBER OF
STATEMENT NUMBER ARGUMENTS PASSED, IS INCORRECT.

MODULE -- IEKVBL

*
P17530 CB524

WHEN IN THE LINKAGE SECTION OF A COBOL F
PROGRAM THE SUBJECT AND OBJECT OF REDEFINES CLAUSES ARE
OF DIFFERENT LENGTHS THE BASE REGISTER AND DISPLACEMENTS
GENERATED MIGHT BE INCORRECT.

MODULE -- IEQCBL20

*
P17533 CQ513

OPEN WAS GIVING A 1050 DEVICE I/O
MODULE WHEN THE ACTUAL DEVICE DEFINED IS A TWX.

MODULE -- IGG0193M

*
P17534 CQ513

COUNT OF 2 INSERTED INTO WRITE NAK CCW
IN ERP. THIS COUNT SHOULD BE ONE.

MODULE -- IGE0104C

*
P17536 F0500

UNDER OPT EQ 0, THE COMPILER
MAY USE AN INCORRECT BASE REGISTER IN THE
AMOD AND DMOD FUNCTIONS IF THE SECOND ARGUMENT
IS IN COMMON.

MODULE -- IEKRSL

*
P17537 CI505

SYNTAX CHECK INCORRECT ON START READER
COMMAND. IF THREE ./3/. COMMAS FOLLOW UNITNAME, THE
NEXT KEWORD PARAMETER FILESEQ EQ WILL BE FLAGGED AS A
SYNTAX ERROR INCORRECTLY.

MODULE -- IEESTART

*
P17540 CB524

 IN A COBOL F PROGRAM WHEN A FILE NAME
IN THE USING OPTION OF A CALL STATEMENT IS THE NAME OF
A BASIC FILE, THE DCB AND NOT THE DECB ADDRESS IS
PASSED TO THE CALLED PROGRAM.

MODULE -- IEQCBL50

*
P17543 CQ519

 ON A RESTART QTAM ASSIGNS
DUPLICATE SEQUENCE OUT NUMBERS TO MESSAGES NOT
SERVICED PREVIOUS TO A RESTART.

MODULE -- IGG019MG

*
P17547 CI535

 IEFVHN ERRONEOUSLY ISSUES MESSAGE READER
CANNOT BE OPENED WHEN AN IN CORE ACCESS METHOD IS USED
BY THE READER/INTERPRETER AND THE ENQUE OPTION IS
SPECIFIED.

MODULE -- IEFVHN,IEFVH2

*
P17548 DM508

 PARTIAL RELEASE OVERLAYS THE JFCBMASK
POSSIBLY INDICATING A NULL DATA SET TO IGG0200Y.
THEREFORE, A FILE MARK MAY NOT BE WRITTEN.

MODULE -- IGG0200F

*
P17550 RG038

 OS RPG WILL NOT ALLOW A FILE
ASSIGNED TO A 2311 AT COMPILE TIME TO BE
REASSIGNED TO A 2540 WHEN THE OBJECT
PROGRAM IS EXECUTED.

MODULE -- NONE

*
P17551 CI505

IF A JOB STEP RETRIEVES ALL GENERATIONS
OF A GENERATION DATA GROUP BY THE INDEX NAME, THEN
SEPARATION OR AFFINITY TO ANY OF THE DD STATEMENTS
WHICH FOLLOW THE GDG DD STATEMENTS WILL BE RESOLVED
INCORRECTLY.

MODULE -- IEFVM4LS

*
P17552 DM509

ATTEMPTING TO DO A WRITE ADD TO A BDAM
DATA SET WHERE TRACK OVERFLOW IS PRESENT MAY RESULT IN
A BLOCK NOT FOUND INDICATION IN THE DECB.

MODULE -- IGG019KF

*
P17553 RG038

THE Z-ADD CALCULATION FUNCTION OF RPG
DOES NOT PROPERLY TRUNCATE A FACTOR FIELD WHEN IT IS
PLACED IN A SHORTER RESULT FIELD.

MODULE -- IES14010

*
P17555 CI505

JOB SCHEDULER MESSAGE IEFZ48I
./INSUFFICIENT SPACE ON RESERVED VOLUMES/. MAY
ERRONEOUSLY BE GIVEN WHEN ATTEMPTING A SPECIFIC
REQUEST TO CREATE A NEW DATA SET ON A DIRECT ACCESS
RESERVED VOLUME AND THE NEW DATA SET NAME EXISTED
PREVIOUSLY ON THE VOLUME. THE SYSTEM WILL ATTEMPT
ALLOCATION RECOVERY. IF THE OPERATOR CANCELS THE JOB,
MESSAGE IEF253I ./DIRECT ACCESS DUPLICATE NAME ON
VOLUME/. WILL BE OUTPUT TO THE SYSOUT DEVICE.

MODULE -- IEFXT00D

*
P17563 F0500

 UNDER OPT EQ 1 OR 2, BRANCHES TO LOCATIONS
FOLLOWING THE FIRST OCCURRENCE OF A CALL BY VALUE INPUT/OUTPUT
LIST ITEM MAY BE INCORRECT.

MODULE -- IEKSBS

*
P17570 F0500

 DURING AN OPT EQ 1 OR OPT EQ 2
COMPILATION, THE COMPILER MAY ABORT IN MODULE IEKRRL
DUE TO INCORRECT PROCESSING OF TEMPORARIES WHEN
COMPILING A LONG SOURCE STATEMENT.

MODULE -- IEKRFL

*
P17572 F0520

 IF A PRODUCT OR QUOTIENT IS COMPOSED
OF A DOUBLE PRECISION COMPLEX NUMBER AND A REAL
NUMBER, AND THE REAL NUMBER IS ON THE RIGHT, THEN THE
COMPILER MAY GENERATE INCORRECT CODE.

MODULE -- IEYGEN

*
P17574 CI535

 SRL FORM NO. C28-6631-3, UNDER COMPLETION CODE
806 ON PAGE 56 STATES THAT THE ADDRESS OF THE BLDL LIST USED BY
THE ROUTINE IS IN REGISTER 12 AND THAT THIS ADDRESS PLUS 4 IS
THE LOCATION OF THE 8 BYTE NAME OF THE REQUESTED PROGRAM THAT
COULD NOT BE LOADED. THIS STATEMENT DOES NOT APPLY TO MVT.

MODULE -- IEAQLK00

*
P17583 CI535

 IT HAS BEEN FOUND THAT THE ACCOUNTING
INFORMATION FROM AN EXEC STATEMENT OF THE FORM //STEP
EXEC PGM EQ ASTERISK. STEPNAME. DDNAME, ACCT EQ
INFORMATION , IS NOT PASSED TO THE USER-S ACCOUNTING
ROUTINE UNDER ANY CIRCUMSTANCES.

MODULE -- IEFVEA

*
P17600 SM023

WHEN USING E18 WITH EROPT AND NO
ACTUAL USER SYNAD AND EDDAD ROUTINES, USER INSERT
X-01- IN LOW BYTE OF ABOVE ROUTINE ADDRESSES AS
DIRECTED BY SORT/MERGE SRL. AN OC6 ERROR RESULTS
AT LOCATION 1.

MODULE -- IERRGA

*
P17606 ED521

RLD CONTINUATION FLAG SET
ERRONEOUSLY FOR THE LAST ITEM IN AN RLD CHAIN.

MODULE -- NONE

*
P17615 UT506

IEHMOVE CAUSES A OC5 ABEND WHILE
ATTEMPTING TO PRINT OUT A MESSAGE.

MODULE -- IEHMOVESM

*
P17616 UT506

IEHMOVE FAILS TO USE MORE THAN
ONE TAPE DRIVE. WHEN COPYING A PDS TO TWO SEP-
ARATE TAPE DRIVES. IEHMOVE COPIES THE PFD
CORRECTLY TO THE FIRST TAPE DRIVE BUT THEN
REWINDS THAT SAME TAPE AND WRITES ON TOP OF THE
JUST COPIED DATA SET.

MODULE -- NONE

*
P17618 CI535

WHEN A REGION SIZE OF 10K IS
SPECIFIED FOR THE SYSOUT WRITER, ALL BLOCKED
SYSOUT IS LOST. NO EXPLANATORY MESSAGES ARE
WRITTEN WHEN THIS OCCURS.

MODULE -- IEFSD087

*
P17645 CI535

TWO INCORRECT WAIT STATE CODES ARE USED.
AN INCORRECT PROCEDURE FOR LEAVING A WAIT STATE IS
GIVEN IN THE COMMENTS.

MODULE -- IEAQN000

*
P17648 CI535

IEFSD061 AND IEFSD062 DO NOT CORRECTLY
HANDLE RETURN CODES FROM IEFQMVNC, CAUSING A F03
CONDITION.

MODULE -- IEFSD061,IEFSD062

*
P17649 CI535

AN ENTRY TO ABEND LOAD 4, THE TCB IS
MISREPRESENTED EVENTUALLY CAUSING A PROGRAM CHECK.

MODULE -- IEAQT03

*
P17653 UT506

IF IEBGENER IS USED TO PRINT CARDS BY
HAVING SYSUT1 BE DD ASTERISK AND SYSUT2 BE DD SYSOUTEQA,
THE FIRST CARD PRINTED WILL OVERLAY THE PAGE HEADER OR
CONTROL CARD MESSAGE PRINTED BY IEBGENER.

MODULE -- IEBGEN03,IEBGENRT

*
P17657 CI535

WHEN STARTING A PROCEDURE THROUGH THE
CONSOLE, AND WHEN THE PARAMETERS CAUSE MULTIPLE DD
CARDS TO BE CREATED, THE PARAMETERS ON FIRST OVERRIDE
CARD ARE IMPROPERLY CONSTRUCTED TO END WITH A NON-BLANK,
NON-COMMA IN 71 AND A CONTINUATION INDICATOR IN 72.

MODULE -- IEEVSTAR

*
P17658 F0500

 COMPILER PRINTED OUT INCORRECT ERROR
MESSAGE.

MODULE -- IEKP30

*
P17660 CQ513

 INCORRECT RETURN CODES ARE RETURNED
BY REQBUF AND RELBUF MACROS.

MODULE -- IGG019MS

*
P17674 UT507

 WHEN AN ATTENTION INTERRUPT IS GENERATED
FROM THE 1050 OR 2260, DURING A DUMP OR A RESTORE, DUMP
RESTORE CANNOT RECOVER.

MODULE -- IBCDMPRS

*
P17679 UT507

 DASDI TO DATA CELL ./2321/. SEEMS TO
WORK OKAY WHEN BIN NUMBER IS GIVEN BUT VOLID IS NOT
./SCRATCH/.. HOWEVER, WHEN CELL TO BE DASDI-D IS ON
A BIN OTHER THAN 0 AND BOTH BIN NO. AND OLD VOLUME SER
NO. 15 IS SPECIFIED, THE DASDI PROGRAM INITIALIZED THE
CELL IN BIN 0 AND DOES NOT TOUCH THE REQUESTED CELL.

MODULE -- IBCDASDI

*
P17696 CI505

 MISSING ADDRESS MARKER ERROR IS BEING
RETRIED FIVE TIMES. STANDARDS SAY IT IS TO BE
RETRIED TEN TIMES.

MODULE -- IEC23XX8, C, D, E

*
P17705 CB524

 IN A COBOL F PROGRAM, IF TWO CONSECUTIVE
COPY CLAUSES REFER TO THE SAME NON-EXISTANT LIBRARY
MEMBERS, THE COMPILER WILL LOOP.

MODULE -- IEQCBLOO

*
P17711 DM508

 IF THE USER SPECIFIES AN INVALID CONTROL
OPERATION, THE CNTRL MACRO ASSEMBLES WITHOUT ANY
DIAGNOSTICS. THIS RESULTS IN AN INVALID COMMAND CODE
BEING PASSED TO THE CHANNEL PROGRAM.

MODULE -- CNTRL MACRO

*
P17717 AS037

 MODULE IEUASM DOES NOT STORE THE ADDRESS
OF ITS SAVE AREA IN THE THIRD WORD OF THE CALLER-S SAVE
AREA UPON RECEIVING CONTROL.

MODULE -- IEUASM

*
P17718 SM023

 WHEN FILE SIZE IS LESS THAN G SORT
LOSES 3 RECORDS.

MODULE -- IERROB

*
P17719 C0503

 TOO MANY LITERALS CAUSES ABEND IN AS1
AND PMG WHEN RUNNING IN SMALL ./17K-18K/. CORE.

MODULE -- IEPAS100, IEPPMG00, IEPBLD00

*
P17722 CI505

 AVR INVALIDLY PROCESSES A STEP WHICH
HAS SPECIFIC REFERENCE TO MORE THAN 30 UNMOUNTED
VOLUMES. THE RESULT OF THE INVALID PROCESSING IS
UNPREDICTABLE.

MODULE -- IEFXV001

*
P17725 F0500

 UNDER OPT EQ 0, THE USE OF THE FORTRAN
SUPPLIED SUBPROGRAM OR MAY CAUSE THE BASE REGISTER FOR
ONE OF THE ARGUMENTS TO BE DESTROYED.

MODULE -- IEKRSS

*
P17732 CB524

 IN A COBOL F PROGRAM WHEN AN 01
LEVEL ITEM CONTAINS A REDEFINES CLAUSE AND THE
OBJECT IS NOT THE PRECEDING LEVEL 01, THE COMPILER
ASSUMES THE OBJECT TO BE THE PRECEDING LEVEL 01
BUT DOES NOT DIAGNOSE THIS ERROR.

MODULE -- IEQCBL20

*
P17733 CI505

 FREEMAIN MACRO DOES NOT GENERATE CODE
WHICH ENSURES THAT REGISTER ON E IS POSITIVE WHEN R
FORM IS USED.

MODULE -- FREEMAIN

*
P17751 AS037

 BIT 0 OF ECB'S CHANGED BY IEUMAC.

MODULE -- IEUMAC

*
P17762 DM508

 THE RENAME MACRO WILL FAIL TO ISSUE A
MOUNT MESSAGE WHEN A 2314 OR 2301 UCB ADDRESS IS PASSED
IN REGISTER 0.

MODULE -- IGG0003&

*
P17771 NL511

 TERMINAL MESSAGE IEM1056I IS
INCORRECTLY PRODUCED WHEN A NUMERIC PICTURE
FIELD IS USED AS THE FIRST ARGUMENT TO THE
BUILT-IN FUNCTION ROUND.

MODULE -- IEMIP

*
P17781 CQ519

 THERE IS NO ERROR RETRY ON A UNIT
EXCEPTION WHEN USING THE AUTOPOLL FEATURE.

MODULE -- IGE0804E

*
P17799 F0500

 UNDER CERTAIN CIRCUMSTANCES, WHEN
COMPILING WITHOUT THE LIST OPTION, THE COMPILER MAY
FAIL TO OUTPUT INTO THE OBJECT MODULE TXT AND RLD
RECORDS FOR ADCONS WHICH HAVE BEEN INTERNALLY GENERATED
FOR VARIABLES AND CONSTANTS. IN SUCH A CASE, THE SIZE
OF THE PROGRAM IN BYTES, AS IT APPEARS IN THE MAP
./WITH THE MAP OPTION/. WILL BE WRONG.

MODULE -- IEKGCZ

*
P17810 UT506

 NOTE LISTS ARE DESTROYED AFTER COPYING
A PDS FROM DISK TO TAPE AND THEN BACK TO DISK AGAIN.

2C

*
P17821 CI505

 THE READER/INTERPRETER DOES NOT CATCH
A JCL ERROR ON THE DCB PARAMETER.
DCB EQ ./,RECFM EQ LRECL EQ 120/.
THE LACK OF A RECFM MAY CAUSE THE PROBLEM PROGRAM TO
FAIL. THIS MAY HAPPEN WITH ANY DCB MINOR KEYWORD.

MODULE -- IEFVFA

*
P17835 AS037

 IN CERTAIN SITUATIONS, THE ASSEMBLER
ASSIGNS ERRONEOUS ADDRESSES TO LITERALS. THE SOURCE
DECK MUST CONTAIN AT LEAST 2 LITERAL POOLS AND MUST BE
LARGE ENOUGH RELATIVE TO THE REGION ASSIGNED TO THE
ASSEMBLER TO CAUSE SYMBOL TABLE OVERFLOW.

MODULE -- IEUF7C

*

P17849

UT507

A TAPE RECORD MORE THAN 7 AND 1/2 INCHES LONG WHICH HAS A BAD SPOT AFTER THE 7 AND 1/2 INCHES DOES NOT RECOVER. THE CHANNEL PROGRAM IS RETRIED TWICE INSTEAD OF THREE TIMES.

MODULE -- IBCDMPRS

*

P17873

DM508

WHEN TRYING TO SCRATCH A SECURITY DATA SET AND THE FIRST PASSWORD REPLY WAS INCORRECT, THE SECOND REPLY IS IGNORED.

MODULE -- SECLOADA

*

P17884

CI505

THE PROBLEM STATED IN THE APAR CAN OCCUR IN RELEASE 14, 15, AND 16. THE CHANNEL PROGRAM ./IF COMMAND CHAINED/. WILL BE RESTARTED IN THE WRONG PLACE I.E., ONE CCW WILL BE SKIPPED BECAUSE THESE ERROR ROUTINES WILL NOT BACK THE CCW ADDRESS BY 8.

MODULE -- IGE0000D, IGE0000E, IGE0001C, IGE0002&

*

P17885

DN528

THE HISTORICAL JOB NUMBER OF MODULE IFBSR150 IS AT A DIFFERENT LEVEL THAN THE HISTORICAL JOB NUMBER OF THE MODULE LISTING ON MICROFISCHE.

MODULE -- IFBSR150

*

P17886

DM508

AN F37 ABEND OCCURS WHEN CREATING A BDAM DATA SET ON A 2321 WITH MORE THAN 5 VOLUMES.

MODULE -- IGG0550V

*
P17890 F0500

 ARRAYS WITH ADJUSTABLE DIMENSIONS
WHICH HAVE BEEN DIMENSIONED BEFORE THEY HAVE
BEEN RECEIVED AS ARGUMENTS IN AN ENTRY STATEMENT
WILL BE FLAGGED WITH ERROR MESSAGE IEK149I.

MODULE -- IEKCSP,IEKCSR,IEKDIO

*
P17892 CI505

 WHEN USING THE LIST FORM OF ENQ WITH
QNAME AND RNAME PARAMETERS OMITTED, THE ASSEMBLER
PRODUCES THE MESSAGE IEU067.

2C

*
P17911 UT506

 IEHMOVE UTILITY DOES NOT COPY THE
SVCLIB TO TAPE WHEN USING THE COPY VOLUME FUNCTION.

MODULE -- IEHMOVESZ

*
P17917 C0503

 BAD CODE WAS BEING GENERATED FOR AN
EXAMINE STATEMENT. IF THE EXAMINE STATEMENT FOLLOWED
ANOTHER EXAMINE STATEMENT IN WHICH THE DATA NAME WAS
GROUP VARIABLE OR IF ITS LENGTH WAS GREATER THAN 4096.
A SWITCH WAS BEING TURNED ON FOR THE FIRST EXAMINE
AND THEN WAS NOT TURNED OFF, ADVERSELY AFFECTING CODE
GENERATED FOR THE SECOND EXAMINE.

MODULE -- IEPPG900

*
P17925 DM508

 OUT OF SPACE WAS DETECTED AFTER CLOSE
AND SYNAD WAS TAKEN.

MODULE -- IGG019GA, IGG019GB

*
P17936 SM023

SORT LOOPS IN FINAL MERGE PHASE WHEN
2311-3 USED AS INTERMEDIATE STORAGE.

2C

*
P17937 CI505

A B37 ABEND MAY OCCUR WHEN THERE IS NO
MORE SPACE ON THE FIRST VOLUME ALLOCATED OF A NEW
MULTIVOLUME DATA SET. A SECONDARY EFFECT IS THE FAILURE
TO RECIEVE LOOK-AHEAD MOUNT MESSAGES EHTN THE NUMBER OF
VOLUMES EXCEED THE NUMBER OF UNITS ALLOCATED.

MODULE -- IEFVDA

*
P17948 DM508

MODULE IGG019CD HAS DUPLICATE CODE.

MODULE -- IGG019CD

*
P17961 FO500

THE FORTRAN H COMPILER
./IEKAA000/. COULD NOT BE LINK EDITED BY AN E
LEVEL LINKAGE EDITOR EVEN THROUGH OPTION
LBMAINT EQ E WAS SPECIFIED IN THE GENERATE
MACRO AT SYSTEM GENERATION TIME.

MODULE -- SGIEK401

*
P17963 DN533

THIS IS DEFINITELY A PROBLEM - PREVIOUS
TESTING DID NOT REVEAL THE PROBLEM SINCE THE BIT TESTED
IN LOC.15 WAS ALWAYS FOUND TO BE OFF. THE PROBLEM WAS
INTRODUCED BY A CHANGE MADE TO THE OLTEP COMPONENT FOR
RELEASE 15.

MODULE -- IFDOLT00

*

P17968

LM512

WHEN THE FIRST NON-BLANK CHARACTER IN A CHARACTER STRING, BEING CONVERTED TO ARITHMETIC, IS THE LETTER E THE STRING IS ERRONEOUSLY TAKEN AS A FLOATING POINT CONSTANT. ONLY TWO DIGITS MAY FOLLOW THE E SO THAT WHEN A CONVERSION ON-UNIT IS USED TO CONVERT NON-NUMERIC CHARACTERS TO NUMERIC THE PROGRAM LOOPS ON THE CONVERSION OF THE THIRD CHARACTER UNLESS IT IS MADE BLANK.

MODULE -- IHEVQB

*

P17974

UT507

WHEN AN ATTENTION INTERRUPT IS GENERATED FROM THE 1050 OR 2260 DURING A DASDT, DASDI CANNOT RECOVER.

MODULE -- IBCDASDI

*

P17976

CI535

QUEUE IS HELD AND SYSTEM ENTERS A WAIT STATE DURING DEVICE ALLOCATION. ALTHOUGH A DEVICE WHICH SATISFIES THE ALLOCATION REQUEST IS MADE AVAILABLE BY SWITCHING FROM THE ALTERNATE TO THE PRIMARY CONSOLE, THE ALLOCATION RECOVERY ROUTINE IS NOT NOTIFIED OF THE EVENT.

MODULE -- IEECVCTX

*

P17995

CQ513

BTAM TIMES OUT ON RD RESP ON WRITE INITIAL TO 2740 ON A DIAL NETWORK. THE REASON FOR THIS IS THAT B IS NOT SENT OUT. DATA CHAINING 3 WRITE CCW-S CAUSES WRITE TO END W/ RESIDUAL COUNT OF 1 NOT TRANSMITTING THE B. DATA CHAINING IS NOT ALLOWED WHEN RUNNING THROUGH A 2701.

MODULE -- IGG019MV, IGG019MF, IGG019MV, IGG019MW, IGG019MX

*
P18004 I0526

 WHEN ABEND CLOSES AN ISAM DATA SET A
LOOP MAY RESULT.

MODULE -- IGG0202I

*
P18008 CI505

 JOB FAILED BECAUSE OF -DIRECT ACCESS
DUPLICATE NAME- USING SUBALLOC PARAMETER. DATA SET
WAS AN OLD DATA SET, THEREFORE, SUBALLOC SHOULD HAVE
BEEN IGNORED.

MODULE -- IEFXT00D

*
P18011 NL511

 WHEN THE FIRST ARGUMENT TO SUBSTR IS
A BIT-STRING WHICH IS LOCATED ABOVE X APOSTROPHE IFFFFF
APOSTROPHE IN THE MACHINE AND THE SECOND IS A CONSTANT,
THEN THE TOP THREE BITS OF THE TRUE ADDRESS ARE
DESTROYED RESULTING IN INCORRECT EXECUTION.

MODULE -- IEMME

*
P18035 UT506

 IEBGENER IGNORES CONTINUATION CARDS
THAT START IN COLUMN 18 INSTEAD OF SIXTEEN. A
DIAGNOSTIC SHOULD BE PRINTED.

MODULE -- IEBGSCAN

*
P18040 CI505

 THE SYSGEN MACRO SGIEF211 INTERPRETS
A 7 TRACK TAPE TO BE A 9 TRACK TAPE WHEN THE MODEL
NUMBER ON THE IODEVICE CARD IS GREATER THAN THREE.

MODULE -- SGIEF211

*
P18041 LM512

MESSAGE IHE1401, RAISING END OF
FILE CONDITION MAY SOMETIMES APPEAR WHEN AN
ATTEMPT IS MADE TO GET DATA FROM A NULL RECORD
IN DATA DIRECTED INPUT STREAM.

MODULE -- IHEDDI

*
P18042 NL511

MESSAGE IEM38561 MAY OCCUR IN
MODULE IEMRA DUE TO A TEXT HANDLING ERROR IN
MODULE IEMPP. THIS ERROR CAN ONLY OCCUR IN VERY
LARGE PROGRAMS WHICH CONTAIN AUTOMATIC DEPENDENCY.
FOR EXAMPLE:

1. ADJUSTABLE AUTOMATIC DECLARATIONS WHERE THE
VARIABLE BOUNDS OR LENGTHS ARE DECLARED IN THE
SAME BLOCK.
2. DEFINED ITEMS.
3. INITIAL VALUE EXPRESSIONS CONTAINING OTHER
AUTOMATIC VARIABLES DECLARED IN THE SAME BLOCK.

MODULE -- IEMPP

*
P18051 FO500

WHEN A REAL CONSTANT IS FLAGGED,
AND THE NEXT STATEMENT IS LABELED, THEN THIS
NEXT STATEMENT WILL GET UNNECESSARILY FLAGGED
WITH ERROR MESSAGE IEK006I.

MODULE -- IEKCCR

*
P18053 CI505

F03 WAIT STATE AFTER READING
EXECUTE CARD WITH PARM. EQ ./NO STEP NAME
BETWEEN DOT AND EQUAL/..

MODULE -- IEFVFA

*
P18055 CB524

THE USE OF FIXED INSERTION CHARACTERS
AND A FIXED \$ IN A COBOL F PICTURE CLAUSE PRIOR TO THE
FIRST SIGNIFICANT DIGIT, ./I.E. \$B99/., WILL CAUSE THE
INSERTION CHARACTER TO BE REPLACED WITH A ZERO.

MODULE -- IEQCBL50

*
P18056 CI505

EOV PROGRAM CHECKS WHEN TRYING
TO EXTEND THE SYSOUT DATA SET WHILE ABEND IS
GIVING A DUMP.

MODULE -- IEAATMOA,IEAQTMOA

*
P18057 DM508

THE EOVSAM EXECUTORS DO NOT UPDATE THE
DEVICE CHARACTERISTICS FIELDS IN THE DCB WHEN USING A
MULTIVOLUME DATA SET AND THE DEVICES HAVE DIFFERENT
CHARACTERISTICS.

MODULE -- IGG0551A

*
P18060 DM508

WHEN ISSUING FEOV TO AN INPUT TAPE WITH
DISPOSITION SPECIFIED AS KEEP, THE TAPE EXECUTES A FSF
BEFORE REWINDING. UNLABELED TAPES SHOULD REWIND AND
LOAD IMMEDIATELY.

MODULE -- IGG0550B

*
P18062 PT516

TESTRAN WILL ABNORMALLY TERMINATE
WITH A OC1 ABEND IF THE VALUE ASSIGNED TO THE
OPTIONAL MAXEEQ AND/OR MAXPEQ OPERAND ON THE
TEST OPEN STATEMENT IS LARGER THAN THE SYSGEN
LIMIT. TESTRAN SHOULD ISSUE THE MESSAGE IEG107
EXCESSIVE PROCESSING REQUESTED AND/OR MESSAGE
IEG106 EXCESSIVE OUTPUT REQUESTED AND CONTINUE
PROCESSING WITH THE SYSGEN VALUES FOR THOSE
OPERANDS. IF THE MAXEEQ AND MAXPEQ OPERANDS
ARE NOT USED OR THEIR ASSIGNED VALUES ARE
WITHIN THE SYSGEN LIMITS, THE PROBLEM DOES
NOT OCCUR. THE TESTRAN INTERPRETER ATTEMPTS
TO WRITE AN ERROR MESSAGE CODE FOR THE TESTRAN
EDITOR ON THE DATASET DEFINED BY THE //SYSTEST
DD CARD BEFORE THE DATASET IS OPENED. TESTRAN
WILL BE CHANGED TO OPEN THE DATASET BEFORE IT
IS TO BE USED.

MODULE -- SGIEG000

*
P18085 UT506

IEHMOVE FAILS TO COPY CERTAIN
DATA SETS WITH UNDEFINED RECORD FORMAT, AND
EMITS MESSAGE IEH389I WHEN USING THE COPY
VOLUME FUNCTION.

MODULE -- IEHMOVSSZ,IEHMOVSSV

*
P18090 CI505

A B37 ABEND WILL OCCUR AT RESTART
TIME IF A PREVIOUS B37 ABEND OCCURRED BECAUSE
THE OUTPUT DATA SET HAD USED UP ALL THE SPACE
ALL OF THE EXTENTS.

MODULE -- NONE

*
P18097 IO526

WHEN MASTER INDICIES ARE SPECIFIED
IN THE DATA CONTROL BLOCK OPTION FIELD AND THE
NTM FIELD IS LEFT OUT, THREE LEVELS OF MASTER
INDICIES ARE GIVEN. THIS IS CONTRARY TO WHAT THE
SUPERVISOR AND DATA MANAGEMENT MACRO INSTRUCTIONS
SRL STATES ON PAGE 53.

MODULE -- IGG0192E

*
P18103 UT506

IEHLIST WILL NOT ACCEPT THE
NATIONAL CHARACTER SET './\$= '/. AS VALID CHARAC-
TERS IN A DSNAME ON THE CONTROL CARD.

MODULE -- IEHQSCAN

*
P18104 FO500

THE COMPILER MAY GENERATE INCORRECT
CODE FOR THE EXPANSION OF AN ARITHMETIC STATEMENT
FUNCTION, WHEN IT CONTAINS A COMPLEX BUILT-IN FUNCTION.

MODULE -- IEKKPA

*
P18106 I0526

 WHEN A BISAM ECB IS INVOLVED IN A
MULTIPLE WAIT, A 301 ABEND MAY OCCUR.

MODULE -- IGG019GV, 19GW, 19GY, 19GZ

*
P18113 DM508

 A SPACE CHARACTER IS NOT CORRECTLY
TRANSLATED FOR BURROUGHS PAPERTAPE CODE BECAUSE
THE TRANSLATE TABLE IS OUT OF SEQUENCE.

MODULE -- IGG019CO

*
P18114 UT506

 AN OC3 ABEND OCCURS DURING THE SYNAD
EXIT OF IEHMVESL. THE SYNAD ROUTINE TESTS THE RESULTS
OF REGISTER 0 AND BRANCHES ACCORDINGLY.

MODULE -- IEHMVESL

*
P18119 CI535

 PROGRAM CHECK IN IOS AND SUBSEQUENT
RELATED PROGRAM CHECK IN PROLOGUE TO ABTERM.
RESULT IS A LOOP. AROLOGUE USES REG1 TO OBTAIN
RQE ADDR PASSED FROM IOS. IF ENTERED A SECOND
TIME, PROLOGUE HAS THE OLD COMPLETION CODE -OF1-
IN REG 1. LOOP APPEARS TO PROLOGUE TO BE FROM
IOS WHEN INDEED. PROLOGUE WILL BE IN A PROG
CHECK LOOP IN AND OUT OF ITSELF. TURN OFF I/O
SWITCH IN PROLOGUE BEFORE USING REGISTER ONE.

MODULE -- IEAQAB00

*
P18123 UT506

 IEHMOVE TAKES A SYNAD EXIT ON A
UNIT EXCEPTION COPYING TAPE TO DISK.

MODULE -- IEHMOVSSX

*
P18126 UT506

 THE IEHMOVE UTILITY DESTROYS THE
MESSAGE -I/O ERROR ENCOUNTERED IN MEMBER OF
INPUT DATA SET-.

MODULE -- IEHVESL

*
P18160 CB524

 IN A COBOL F PROGRAM INCORRECT
USAGE OF FROM AND TO IN AN ARITHMETIC STATEMENT,
. /E.G. ADD A FROM B /., MAY RESULT IN MESSAGE
IEQ5012 INSTEAD OF A SYNTAX DIAGNOSTIC.

MODULE -- IEQCBL40

*
P18161 CI505

 IEF2501 MSG -REPLY DEVICE
ADDRESS OR GO- MS. APPEARS WHEN PACK IS NOT
MOUNTED EVEN THOUGH -N- OPTION APPEARS IN
PRESRES ENTRY.

MODULE -- IEFPRES

*
P18162 CI535

 THE MVT OUTPUT WRITER PURGES WORK WITHOUT
PRINTING OUTPUT AND GOES TO A -NO WORK- WAIT IF THE
BUFL AND RECFM SUBPARAMETER FIELDS ARE NOT CODED IN THE
DCB PARAMETER FIELD OF THE IEFORDER DD STATEMENT IN THE
OUTPUT WRITER PROCEDURE.

MODULE -- IEFSD089

*
P18164 C0503

 COBOL E COMPILER GIVES INVALID
DIAGNOSTIC AND DROPS STATEMENT FOR TRANSFORM
STATEMENT WITH FIGURATIVE CONSTANT-2 FOR THE
-TO- OPERAND.

MODULE -- IEPPS300

*
P18165 CI535

TIMER MODULES USE AN INCORRECT
CONSTANT IN COMPUTING TIME IN OTHER THAN TIMER
UNITS.

MODULE -- NONE

*
P18173 UT506

WHEN USING IEHLIST, THE CONTROL
CARD SCAN ROUTINE INCORRECTLY HANDLES THE
'LISTVTOC' CONTROL CARD, IF THE DSNAME PARA-
METER IS FOLLOWED BY THE 'DUMP' OR 'FORMAT'
PARAMETERS.

MODULE -- IEHQSCAN

*
P18177 CB524

WHEN IN A COBOL F SOURCE PROGRAM MORE
THAN 256 SUBSCRIPTS ARE USED IN ONE PARAGRAPH RESULTS
MAY BE INCORRECT.

MODULE -- IEQCBL50

*
P18183 CI505

IF AN ABEND OCCURS AFTER A SECOND
WRITER HAS BEEN STARTED A MOUNT MESSAGE IEC101A
IS ERRONEOUSLY GIVEN, REQUESTING A MOUNT OF THE
ORIGINAL WRITER. THIS PROBLEM OCCURS IN PCP
ONLY AFTER RELEASE 14.

MODULE -- IEFSD009

*
P18185 DM508

WHEN RELATIVE GENERATION NUMBER IS
SPECIFIED FOR A PARTITIONED DATA SET, A DEB IS BUILT
AS IF AN OPEN WAS ISSUED FOR A MEMBER.

MODULE -- IGG0191N

*
P18186 CI505

SYSTEM FAILS TO GIVE DISPLAY STATUS
MESSAGE IEF285I ON CONSOLE FOR DATA SETS WITH CONDITIONAL
DISPOSITIONS ./E.G., DISP EQ ./NEW, PASS, KEEP./.
WHEN JOB HAS FAILED.

MODULE -- IEFZGJB1

*
P18191 CI505

MESSAGE IEE905I RESULTS FROM
ISSUANCE OF START W7R,XXX TO A TAPE DEVICE ON
WHICH A RDR HAS JUST CLOSED.

MODULE -- IEF7K3XX

*
P18200 UT506

IEBPTPCH DOES NOT DIAGNOSE A MISSING
-NAME EQ- KEYWORD AS A CONTROL STATEMENT ERROR.

MODULE -- NONE

*
P18206 UT506

OUTPUT FROM LITERAL APOSTROPHIES IS
INCORRECT. -'XXX.XXX'- PRINTS AS 'XXX.XXX' INSTEAD OF
-XXX.XXX-.

MODULE -- IEBCCS02

*
P18218 IO526

I/O ERRORS OCCURRED WHILE PADDING OUT
HIGH LEVEL INDEXES.

MODULE -- IGG0202M

*
P18221 CI505

THE USE OF DSNAME EQ NULLFILE
CAUSES ALLOCATION TO OCCUR FOR THE DD STATE-
MENT.

MODULE -- IEFVDA

*
P18235 ED521

ITERATIONS OF EDITOR-F DO NOT
ALLOW PASSING OF CONDITION CODE FOR ENTIRE RUN.

MODULE -- NONE

*
P18237 DM508

A OC5 ABEND IN A TRACK OVERFLOW MODULE
OCCURS WHEN STOW IS USED TO DELETE A MEMBER IN THE
LAST DIRECTORY BLOCK, IF THE TRACK OVERFLOW FEATURE IS
SPECIFIED.

MODULE -- IGC0002A

*
P18244 SM023

IER046A MSG. ./SORT CAPACITY
EXCEEDED/. WHEN E15 IS USED TO INSERT RECORDS
TO AN OSCILLATING SORT.

MODULE -- IERBGA

*
P18252 CQ519

A LOOP WAS CAUSED BY THE QFAC
FIELD OF A QCB BEING SET ERRONEOUSLY. A
CORRECTION TO THIS PROBLEM RESULTED IN ALL
MESSAGES ON A RESTART BEING SENT TO ONE TERMINAL.

MODULE -- IGG0193T

*
P18263 SM023

SORT ABENDS IN MODULE IERAPL
WITH AN OC5.

MODULE -- IERBGB

*
P18268 AS037

A SOURCE DECK CONSISTING OF A SINGLE
COMMENT CARD WITH A PUNCH IN COLUMN 72 FOLLOWED BY
EOD ./I.E. /8 CARD/. CAUSES A OC4 ABEND.

MODULE -- IEUF2

*
P18276 NL511

COMPILER ERROR MESSAGE IEM38561,
CHECK TYPE 6 IN PHASE GP, IS PRODUCED WHEN AN
ERRONEOUS ARGUMENT IS PASSED TO AN ENTRY POINT
BY A CALL STATEMENT AND THE COMPILER FAILS TO
DIAGNOSE THE SOURCE ERROR. THE ERRONEOUS
ARGUMENT IS AN EXPRESSION INVOLVING A SCALAR
AND AN UNSUBSCRIPTED ARRAY WHERE A SCALAR IS
EXPECTED BY THE ENTRY POINT.

MODULE -- IEMGP

*
P18280 CQ513

THE AND CHARACTER INSTRUCTION ./NC/.
USED TO CLEAR THE HIGH ORDER BYTE OF THE BTAM BUFFER
LINK FIELD CONTAINS AN IMPROPER COUNT AND NO BASE
REGISTER.

MODULE -- IGG019MS

*
P18282 DM508

A PHYSICAL SEQUENTIAL DATA SET, ALLOCATED
FOR DISP EQ MOD WAS OPENED FOR INPUT. THE DATA SET WAS
POSITIONED TO THE END OF FILE.

MODULE -- IGG0190C, IGG0190D

*
P18303 LM501

CLOG ./XPLUS IY/. WHERE X LESS 0
Y EQ -0. THE IMAGINARY PART OF THE ANSWER WAS
PLUS PI. DOCUMENTATION SAYS FOR THIS CASE THE
IMAGINARY PART SHOULD BE - PI.

MODULE -- IHCSATN2, IHCLATN2

*
P18327 UT507

SUMP/RESTORE FAILS TO DUMP TO
TAPE THE CORRECT EEW-S TO RESTORE A RECORD WITH
TRACK OVERFLOW. ./BYPASS' VERSION 5.0/.

MODULE -- IBEDMPRS

*
P18342 F0500

IF IN A SUBROUTINE, A VARIABLE IS
RECEIVED AND PASSED AS AN ARGUMENT, USED IN AN
EXTERNAL STATEMENT AND THEN CALLED, AS A SUBROUTINE
NAME, THE VARIABLE WILL BE FLAGGED WITH ERROR MESSAGE
IEK168I.

MODULE -- IEKCSR

*
P18344 CI505

SOFT WRITE ERRORS BEING LOGGED AS SOFT
READ ERRORS.

MODULE -- IEC23XXB, C, D, E

*
P18348 CB524

A COBOL F PROGRAM GENERATES INCORRECT
CODE FOR A MULTIPLE CLOSE REEL.

MODULE -- IEQCBL50

*
P18349 CO503

FOR MOVE OF ALPHA OR NUMERIC
FIELDS LONGER THAN 256 BYTES IHD02000 IS
ENTERED. IF THE FIELD TO BE MOVED IS A
MULTIPLE OF 250 PLUS 1 A BAD MOVE IS EXECUTED.

MODULE -- IHD02000, IHD02000

*
P18351 NL511

ERROR MESSAGE IEM0786I ./AND
OTHER MESSAGES/. MAY BE ISSUED WITH 0 SUBSTITUTED
FOR AN IDENTIFIERS NAME.

MODULE -- IEMXC

*
P18355 NL511

STATEMENT NUMBERS OF POINTER QUALIFIER
STATEMENTS DO NOT APPEAR IN THE CROSS REFERENCE LISTS
OF THE POINTERS CONCERNED.

MODULE -- IEMFX

*
P18356 NL511

THE AGGREGATE LENGTH TABLE DOES NOT
GIVE THE LENGTH OF DEFINED AGGREGATES, EVEN WHERE
THESE ARE KNOWN AT COMPILE TIME.

MODULE -- IEMQX

*
P18357 NL511

EXECUTION MAY FAIL WITH MESSAGE
IHE8051, SPECIFICATION INTERRUPT, WHEN CONVER-
SION IS NECESSARY BETWEEN A CHARACTER STRING
VARIABLE AND F-FORMAT ITEM.

MODULE -- IHEDCN

*
P18359 NL511

IF MESSAGE IEM38601 IS GENERATED
DURING THE MACRO PASS, THEN IT WILL APPEAR IN
THE WRONG MESSAGE CHAIN OR BLOCK AND THE CORRECT
TEXT WILL NOT BE OUTPUT.

MODULE -- IEMBO,IEMBP,IEMBS

*
P18360 LM512

WHEN AN X-FORMAT ITEM IS USED IN THE
DATA SPECIFICATION FOR PUT STRING, THE SPECIFIED
NUMBER OF CHARACTERS ARE SPACED OVER INSTEAD OF BLANK
CHARACTERS BEING INSERTED.

MODULE -- IHEIOC

*
P18402 CI535

ERRONEOUS 'IEF415I I/O ERROR ON UCENAME
PURGING JOB' MESSAGES OR AN ABEND AND A F03 RESULTS IF
A QUEUE DEVICE I/O ERROR OCCURS WHEN THE R/I IS PROCESS-
ING THE INTERNAL JCL FROM THE SYSTEM TASK CONTROL
ROUTINE.

MODULE -- IEFVHR

*
P18428 CI535

THE PARM FIELD PASSED TO THE PROBLEM
PROGRAM DOES NOT HAVE THE INFORMATION ALIGNED ON A
FULL WORD BOUNDARY AS STATED IN THE ASSEMBLER F
PROGRAMMER-S GUIDE. C26-3756-1, PAGE 15.

MODULE -- IEFSD263,IEFSD599,IEFSD162,IEFSD513

*
P18429 UT506

IEHPRGM WILL NOT CATALOG A
LARGE MULTI-VOLUME DATA SET.

MODULE -- IEHPRGM

*
P18447 RG038

THE RPG OBJECT PROGRAM ABENDS
WHEN PRINTER IS GIVEN AS THE DEVICE IN THE
FILE DESCRIPTION SPECIFICATION FOR A FILE
USING LINE COUNTER.

MODULE -- IES03010

*
P18468 CI505

WHEN PROCESSING THE RLD ITEMS IN
THE RLD TABLE AND RELOCATING THE LOAD CONSTANTS
WITHIN THE NUCLEUS TEXT, IPL ASSUMES THAT ALL THE
CONSTANTS ARE POSITIVE.

MODULE -- IEAIPLOO

*
P18501 CI505

IN PCP ONLY, A 'START READER' COMMAND TO A STANDARD LABEL TAPE RESULTS IN AN 813 ABEND 1- IF A DATA SET NAME IS NOT SPECIFIED AND THE TAPE DOES NOT CONTAIN A DATA SET NAMED -SYSIN-, OR 2- IF THE DATA SET NAME SPECIFIED ON THE COMMAND DOES NOT EXIST ON THE TAPE. AFTER THE 813 DUMP, THE SYSTEM WILL EITHER 1- GO INTO A F03 WAIT STATE ./IF THE START COMMAND CAME DIRECTLY AFTER IPL/., OR 2- GO INTO AN ENDLESS LOOP IN MODULE IEFYPJB3 ./IF NOT DIRECTLY AFTER IPL/..

MODULE -- IEFSD011

*
P18503 CB524

WHEN IN A COBOL F REPORT SECTION A DETAIL REPORT GROUP NAME IS NOT UNIQUE EXECUTION OF THE OBJECT PROGRAM MAY BE INCORRECT.

MODULE -- IEQCBL10

*
P18519 NL511

NO ERROR MESSAGE IS GIVEN WHEN A BY-NAME ASSIGNMENT OF A SCALAR TO A STRUCTURE IS ENCOUNTERED. THE RESULT IS AN ASSIGNMENT OF THE SCALAR TO EVERY BASE ELEMENT OF THE STRUCTURE.

MODULE -- IEMHF

*
P18520 CQ519

THE CHECK REQUEST FLAGS ARE SET IN THE TERMINAL TABLE WHEN THE CHECKPOINT FACILITY IS NOT SPECIFIED.

MODULE -- TERMTBL

*
P18527 DM509

IF A BLOCK IS BEING UPDATED USING BDAM
READ EXCLUSIVE, AND IF THERE ARE READ REQUESTS FOR THAT
BLOCK THAT ARE CURRENTLY UNPOSTED, THE PENDING READ
REQUESTS ARE NOT ALL SUPPLIED WITH THE UPDATED BLOCK.

MODULE -- IGG019LG

*
P18530 CI505

WHEN DUPLICATE DD NAMES ARE PRESENT AND
EITHER DEVICE IS SYSOUT, THE FIRST DEVICE WILL REMAIN
ALLOCATED AND THE SECOND WILL BE UNALLOCATED. THE
DISPOSITIONS MAY ALSO BE INCORRECT. THIS PROBLEM AFFECTS
PCP, MFT, MVT SYSTEMS USING ALL TYPES OF DEVICES.

MODULE -- IEYPJB3

*
P18551 CQ519

QTAM MESSAGE CONTROL PROGRAM WAS
ABENDING WITH OA3 AFTER A PROCESSED PROGRAM ABNEDED.

MODULE -- IGG0203P, IGG0203R

*
P18557 NL511

A NON STATIC DIMENSIONED LABEL
VARIABLE IS INCORRECTLY GIVEN THE INITIAL
ATTRIBUTE IN THE ATTRIBUTE LISTING.
COMPILATION IS NOT AFFECTED.

MODULE -- IEMFX

*
P18559 FO500

UNDER OPT EQ 2, COMPILATION MAY
BE TERMINATED WITH A 'COMPILATION DELETED 5'
MESSAGE ./TEMPORARY FETCHED BUT NEVER STORED/.
DURING PROCESSING OF THE ARGUMENTS OF CERTAIN
LIBRARY FUNCTIONS ./E.G., DCMLPX, CONJG/..

MODULE -- IEKRFL

*
P18562 CI505

WHEN USING ALL OPTIONS OF THE
-SET- COMMAND, ONLY THE FIRST 4 ARE PROCESSED.
THE ROUTINE TO HANDLE THE -ACCT- PARAMETER IS
NOT EXECUTED.

MODULE -- IEEGES01

*
P18569 UT507

RECOVER/REPLACE SEEKS TO BIN 0 WHILE
USING A BIN OTHER THAN 0.

MODULE -- IBCRCVRP

*
P18572 DM508

STANDARD USER LABELS ARE NOT ADEQUATELY
DOCUMENTED IN THE APPROPRIATE SYSTEM REFERENCE
LIBRARIES.

2C

*
P18573 CI505

THE MINOR KEYWORDS MODE AND
STACK ARE TREATED AS MUTUALLY EXCLUSIVE. WHEN
CODED TOGETHER ON A DD STATEMENT DCB EQ, ONLY
1 MINOR KEYWORD IS PROCESSED BECAUSE IEFVDA
UNCONDITIONALLY CLEARS THE ENTIRE BYTE OF THE
JFCB WHICH CONTAINS ./JFCMODE, JFCSTACK, AS WELL
AS JFCCODE, JFCPRTSP, JFCRTCH, AND JFCKEYLE/..

MODULE -- IEFVDA

*
P18607 CI505

THE RESPONSE -ROO,RSVC EQ-
TO THE SPECIFY SYSTEM PARAMETERS MESSAGE IS NOT
IDENTIFIED AS INVALID ./SYNTAX ERROR/. BY THE
MODULE IEAANIP. THE RESIDENT SVC FUNCTION IS
NOT NULLIFIED NOR IS AN ERROR MESSAGE WRITTEN
TO THE OPERATOR. THE SAME PROBLEM EXISTS WHEN
THE LIST PARAMETER IN THE OPERATOR-S REPLY IS
RAM EQ-, BLDL EQ-, RQ EQ-, PART EQ-, SOS EQ-
./MVT ONLY/., PR QBF EQ-/

MODULE -- IEAANIP

*
P18609 CI505

102 SCHEDULAR ABEND WHEN SMALL
PARTITION WAS CANCELLED WHILE HUNG IN ALLOCATION.

MODULE -- IEESD592

*
P18610 CI505

UCB UNIT ADDRESSES DO NOT PRINT
OUT IN ABEND DUMP.

MODULE -- IEAAD03

*
P18613 C0503

WHEN 'EXAMINE...TALLYING UNTIL...' IS
FOLLOWED BY 'PERFORM...VARYING...UNTIL...' AN ABEND
OCCURS IN COMPILATION.

MODULE -- IEPLST00, IEPPS100

*
P18617 CI505

WHEN AN INTIAL JOB ./USING CHECKPOINT/
RESTART WITH PTF 14023 APPLIED/. ABENDS WITH A VALID
B37 ./ALL D/A SPACE IN THE PRIMARY AND SECONDARY SPACE
ALLOCATION IS ALLOCATED/. AND IS THEN RESTARTED, IT
AGAIN ABENDS WITH A B37. ANY FOLLOWING JOB ENTERS A
F03 WAIT STATE. THE SYSTEM COMPLETION CODE IN THE
TCB INDICATES OBO.

MODULE -- NONE

*
P18622 CI505

THE 2671 ERR ROUTINE IS NOT IN
A LOOP. THE USER SPECIFIED 'ACCEPT PERMANENT
ERRORS' AND, BECAUSE THE ERROR WAS NOT CORRECTED,
MULTIPLE ERROR MESSAGES RESULTED. THE OPERATOR
STOPPED THE DEVICE-INT.REQ.SENSE WAS SET AND
EQUIP.CK.SENSE REMAINED SET-BUT BECAUSE ERROR
RTN.CHECKED EQUIP.CK.FIRST, IT DID NOT SEE THE
INT.REQ. THE DEVICE WAS NEVER MARKED NOT READY,
AND MULTIPLE ERROR MESSAGES CONTINUED TO BE
PRINTED.

MODULE -- IGE0002

*
P18648 F0500

THE COMPILER FAILS TO DETECT THAT A
DUMMY ARGUMENT IN A SUBPROGRAM STATEMENT IS IN A
COMMON.

MODULE -- IEKCSP, IEKP30

*
P18651 C0503

THE LOCATION COUNTER IN THE
WORKING STORAGE SECTION OF THE DATA DIVISION
MAP DOES NOT GO PAST 4095.

MODULE -- IEPLST00

*
P18652 CB524

IN A COBOL F SOURCE PROGRAM,
WHEN A FILES RECORDING MODE IS STATED AS FIXED
. /F/. BUT THE RECORD DESCRIPTIONS WITHIN THE FD
ARE VARIABLE LENGTH, NO WARNING MESSAGE IS GIVEN.

MODULE -- IEQCBL20

*
P18653 CB524

IN A COBOL -F- PROGRAM, THE WORDS
CHARACTER, LEFT, AND WITHOUT ARE TREATED AS RESERVED
WORDS BUT ARE NOT USED IN COBOL STATEMENTS.

MODULE -- IEQCBL10

*
P18655 CI505

WHEN INTERVENTION REQUIRED IS
FOLLOWED BY UNIT EXCEPTION OR INCORRECT LENGTH
ON 2671 THE CHANNEL END APPENDAGE IS NOT
ENTERED. THIS IS BECAUSE THE ERP IS IN CONTROL.

MODULE -- IGE0002

*
P18658 CI505

IN PCP AND MFT-I, A //./NULL/.CARD/.
FOLLOWING A / ASTERISK IN THE JOB STREAM RESULTS IN
OMISSION OF JOB TERMINATION MESSAGES FROM THE SYSOUT
LISTING.
THIS PROBLEM ONLY OCCURS WHEN EITHER PTF 16035 OR
PTF 15951 IS APPLIED.

MODULE -- IEFVGMSS

*
P18686 C0503

WHEN COMPUTING EXTERNAL FLOATING
POINT FIELDS AND USING -ROUNDED- THE RESULT IS
NOT ALWAYS CORRECT. INCORRECT RESULTS WILL OCCUR
IF THE EXTERNAL FLOATING POINT PICTURE CONTAINS
15 OR 16 NINES AND -ROUNDED- IS USED.

MODULE -- IHD01900

*
P18687 DM509

A USER ABEND INSTEAD OF A SYSTEM ABEND
IS ISSUED BY THE BDAM-CREATE CHECK MODULE WHEN THE USER
RETURNS FROM HIS SYNAD ROUTINE.

MODULE -- IGG019DC

*
P18695 AS037

A DC WITH A NEGATIVE DUPLICATION FACTOR
CAUSED ASSEMBLER F TO LOOP.

MODULE -- IEUF7D

*
P18698 C0503

BAD CODE IS GENERATED FOR A COMPARE WITH
A FIGCON AND DATA ITEM LARGER THAN 256 BYTES.

MODULE -- IEPPG400

*
P18706 DN529

THE OBR/SDR IN PROGRESS FLAG,
'OBRINPGR' IS LOCATED IN LOW CORE AT LOCATION 72.
THE MULTIPROCESSOR HAS TWO LOCATION 72-S AS CONTROL
TRANSFERS BETWEEN THE OBR/SDR MODULES, THE ERROR
TASK COULD BE DISPATCHED ON ALTERNATE CPU-S. SINCE
EITHER CPU CAN SET AND TEST A LOCATION 72, LOC 72
COULD BECOME LOST AND AN INCORRECT BRANCH TAKEN. THE
ERROR TASK THEN EXPERIENCES A PROGRAM CHECK.

MODULE -- IFBSR140, 150, 165, 175, 340, 350, 365,

*
P18710 NL511

AN OC5 ABEND IN MODULE IEMUA WILL OCCUR
WHEN A LABEL IS ILLEGALLY USED IN REPETITIVE SPECIFICATION
IN THE DATA-LIST FOR EDIT DIRECTED INPUT. THE COMPILER
DOES NOT DIAGNOSE THIS ERROR.

MODULE -- IEMNU

*
P18715 CI505

ERRONEOUS MESSAGE -IEF246I INSUFFICIENT
SPACE ON STORAGE VOLUMES- IS PRINTED WHEN ERROR OCCURS
IN ALLOCATING RESERVED VOLUMES.

MODULE -- IEFXT002

*
P18727 CI535

IEF250I MOUNTING MESSAGE
RECEIVED WHEN PRESRES ENTRY HAS -NO MESSAGE-
OPTION. MESSAGE SWITCH IS TESTED IMMEDIATELY
AFTER UPDATING PRESLIST ENTRY POINTER.

MODULE -- NONE

*
P18729 CI505

WHEN COBOL -E- IS DEFINED AFTER COBOL
-F- IN THE SYSGEN DECK, THE 'MSGLEV EQ FLAGW' SWITCH
SET FOR COBOL -F- IS CLEARED WHEN PROCESSING COBOL E.

MODULE -- COBOL

*
P18743 AS037

CROSS REFERENCE DOES NOT AGREE WITH
SOURCE LISTING WITH PRINT NOGEN.

MODULE -- IEUF8A

*
P18746 I0526

WHEN A SETL MACRO IS ISSUED, FOLLOWED BY
A GET MACRO, TO A RECORD THAT HAS BEEN TAGGED FOR
DELETION, ISAM PRESENTS THE NEXT SEQUENTIAL RECORD TO
THE USER RATHER THAN GIVING HIM A NO RECORD FOUND
INDICATION.

MODULE -- IGG019HD

*
P18751 F0520

IF THE SAME NAME IS USED AS
DUMMY ARGUMENT IN TWO STATEMENT FUNCTION
DEFINITION AND THE FIRST STATEMENT FUNCTION
DEFINITION STATEMENT HAS A SYNTAX ERROR, THE
ID CONFLICT MESSAGE IEY007I WILL BE ISSUED
ERRONEOUSLY FOR THE SECOND STATEMENT BY THE
FORTRAN G COMPILER.

MODULE -- IEYPAR

*
P18753 CI505

THE TOTAL OF THE ACTUAL DEVICES
AND THEIR ALTERNATE PATHS CAUSED THE CONTROL
UNIT INDEX OF THE UCB LOOKUP TABLE EXCEEDED
1 BYTE.

MODULE -- SGIEC202,GENERATE

*
P18799 CB524

WHENEVER THE SAME SUBSCRIPTED
DATA-NAME APPEARS IN MORE THAN ONE COBOL F
ASTERISK DEBUG PACKET, EXECUTION TIME RESULTS
MAY BE INCORRECT.

MODULE -- IEQCBL50

*
P18806 CI505

MESSAGE IEF406I - READER DDD CANNOT
BE OPENED IS NOT DOCUMENTED IN THE MESSAGES AND CODES
PUBLICATION.

2C

*
P18822 SM023

WHEN OPERATING UNDER MVT SORT FAILS TO
LINK EDIT USER EXITS CONTAINED IN SYSIN. THIS RESULTS
IN AN OCI.

MODULE -- IERRCH

*
P18823 DN530

AN OCI ABEND OCCURS WHEN EREP IS BEING
RUN WITH THE OPTION TO SUMMARIZE MODEL 75 CPU ERROR
DATA.

MODULE -- NONE

*
P18833 CQ519

MODULE IECKRETD WILL NOT MOVE
A BUFFER OF LENGTH GREATER THAN 264 CHARACTERS.

MODULE -- IECKRETD

*
P18836 CB524

THE COBOL F COMPILER FAILS TO GIVE A
DIAGNOSTIC MESSAGE FOR A CORRESPONDING STATEMENT
CONTAINING AN ERRONEOUS PERIOD ././.. FOR EXAMPLE
ADD CORRESPONDING A TO. B. NO OBJECT CODE AND NO
DIAGNOSTICS ARE GENERATED.

MODULE -- IEQCBL30

*
P18841 F0500

 UNDER OPT EQ 2' IN A BLOCK
CONTAINING I/O, GENERAL REGISTER 3 MAY BE USED
AS A BASE SPILL REGISTER THEREBY DESTROYING ITS
PREVIOUS CONTENTS WHICH MAY HAVE BEEN STILL IN USE.

MODULE -- IEKRSX

*
P18843 CI505

 CHECKPOINT WITH PTF 14023 LOOPS IN
MODULE IGC0206C, WHEN CHECKING FOR SPACE LEFT ON A
TRACK, WHEN TAKING A CHECKPOINT. THIS IS CAUSED BY THE
DISK TRACK BALANCE AND RECORD SIZE IN DSECT CHKBUFER
BEING OVERLAPED BY BLANKS AFTER BEING INITIALIZED IN
IGC0006C.

MODULE -- NONE

*
P18844 SM023

 SORT NOT UTILIZING 1600 BPI TAPE
WHEN DRIVES DO NOT HAVE DUAL DENSITY FEATURE.

MODULE -- IERRCI

*
P18848 AS037

 WHEN ASSEMBLER F DISCOVERS THAT ONE OR
SEVERAL OF THE DD CARDS FOR SYSUT1, SYSUT2, SYSUT3,
SYSIN OR SYSLIB IS MISSING, IT ISSUES AN IEU998
MESSAGE IDENTIFYING THE MISSING DD CARD, THEN ABENDS.

MODULE -- IEUF1

*
P18882 I0523

 ASSEMBLER ERROR MESSAGE IEU041 PRINTED
BECAUSE OF INVALID STATEMENT IN SYSTEM MACRO SAEC.
FIX ORIGINALLY ISSUED IN REL 14 WAS INCORRECT.

MODULE -- SAEC

*
P18886 CI505

INTERVENTION REQUIRED SENSE
AT DEVICE END HANDLED INCORRECTLY BY ERROR MODULE
IGE0000E, WHICH ATTEMPTS RESTART OF CHANNEL
PROGRAM AFTER BACKING UP THE CCW POINTER IN THE
IOB ./WHICH IS 0 BECAUSE OF DEVICE END CONDITION/.
BY 8. CCW ADDRESS OF FFFFFFFF8 CAUSES CHANNEL
PROGRAM CHECK.

MODULE -- IGE0000E

*
P18893 C0503

NO DIAGNOSTIC IS ISSUED FOR AN ELEMENTARY
DATA NAME HAS MORE THAN ONE PICTURE CLAUSE, AND GETS
WRONG RESULT DURING OBJECT RUN.

MODULE -- IEPDPC00, IEPPT300

*
P18900 CQ519

CANCELLED MESSAGES ARE PASSED
TO A PROCESSING PROGRAM VIA A GET.

MODULE -- IGG019NG

*
P18901 UT507

WHEN USING REPLACE FUNCTION OF RECOVER/
REPLACE ON DATA CELL/2321, THE NEXT AVAILABLE ALTERNATE
TRACK POINT ./CCHH/. IN FORMAT 4 DSCB IS UPDATED FROM
SUBCELL 19./X-13/. TO SUBCELL 0 ./ZERO/..

MODULE -- IBCRCVRP

*
P18911 CQ519

THE OPERATOR CONTROL INTREL FUNCTION
DOES NOT WORK PROPERLY FOR 2740 BASIC AND 2740 BASIC
WITH CHECKING TERMINALS. THE STOP LINE FUNCTION FAILS
TO ISSUE A HALT I/O TO TERMINATE THE PREPARE COMMAND.

MODULE -- IECKOCL

*
P18913 C0503

IF AN ERROR MESSAGE IS PUT OUT IN
IEPPS400 FOR AN 'ON' STATEMENT UNDER CERTAIN CONDITIONS
AN INTERNAL SWITCH IS NOT TURNED OFF. THIS MAY CAUSE
A BLOW UP IN A LATER PHASE OR WRONG CODING TO BE
GENERATED.

MODULE -- IEPPS400

*
P18930 CQ519

A PROGRAM CHECK OCCURS WHEN AN ATTEMPT
IS MADE TO SET UP A WRITE CONVERSATIONAL CHANNEL
PROGRAM TO A 2740 BASIC TERMINAL. THERE IS NO WRITE
CONVERSATIONAL CHANNEL PROGRAM FOR THIS TERMINAL.

MODULE -- IGG019NG

*
P18933 CB524

ANY FIGURATIVE CONSTANT OTHER THAN ZERO
IN THE VALUE CLAUSE OF A COBOL F REPORT WRITER ENTRY
WILL BE TREATED AS VALUE SPACES.

MODULE -- IEQCBL10

*
P18972 CQ519

A 0A3 ABEND IS CAUSED BY AN INVALID
RECORD NUMBER IN CURRDISK. THIS APPEARS TO QTAM AS NO
MORE DISK SPACE.

MODULE -- IGG019NG

*
P18982 C0503

BAD ASSEMBLER CODING IN SUBROUTINE
IHD01700 COBOL LIBRARY.

MODULE -- IHD01700

*
P18986 CI505

A LOOP RESULTS IN IEFSD008
WHEN AN INVALID VOLUME STATEMENT IS EXPRESSED.

2C

*
P18994 FO500

UNDER OPT EQ 1, THE COMPILER MAY
GENERATE BAD CODE IN A BLOCK CONTAINING A FIND
STATEMENT, ERRONEOUSLY USING GENERAL REGISTER 15
AS A BASE SPILL REGISTER ALTHOUGH ITS CONTENTS MAY
HAVE BEEN DESTROYED WHEN SETTING UP FOR THE I/O
OPERATION.

MODULE -- IEKJA

*
P19025 CO503

COMPILER GENERATES BAD BRANCH CODING
TO SECOND BYTE OF AN INSTRUCTION CAUSING PROG. CK.
WITH SPECK. EXCEPTION.

MODULE -- IEPAS300

*
P19026 CI505

PARITION ID, APPEARING AT THE
FRONT OF MFT II MESSAGE IS IN VIOLATION OF
STANDARDS.

MODULE -- IEECVWTO

*
P19046 CQ519

THE TERMINAL RECEIVES ONLY THE BAD HEADER
INFORMATION WHEN AN ERROR MESSAGE IS SENT.

MODULE -- IECKERMG

*
P19062 CQ519

 A PROGRAM CHECK OCCURS IN THE LPS DUE
TO THE LCBTTIND FIELD BEING INCORRECT.

MODULE -- IGG0193R

*
P19068 CQ519

 THE OFFSETS TO THE SPECIAL
CHARACTERS IN A 2740 BASIC WITH CHECKING
DEVICE I/O MODULE ARE INCORRECT.

MODULE -- IGG019NQ

*
P19116 RG038

 A MOVEL OPERATION FROM AN ALPHAMERIC
FIELD TO A NUMERIC FIELD DOES NOT FORCE THE PROPER
NUMERIC SIGN.

MODULE -- IES14010

INTRODUCTION

This document (System Prose) contains a summary of temporary restrictions to OS/360 Release 15/16, which have been found during testing of this and prior releases. Also included are errata type corrections to various SRL publications which could not be included by the time of release.

Each entry in this document is numbered for reference purposes to show the release number in which each Prose entry first appeared. For example, all items numbered 15.XXX and 16.XXX are new with this release.

OS/360 GENERAL

12.087: When using a data set on three or more volumes, unpredictable results can occur if another DD statement within the same step refers to one of the volumes.

SYSTEM GENERATION

11.006: When using the 2302 as an I/O device, the VTOC must be fully contained within the first 200 cylinders.

13.032: If the BLDL and/or RAM and/or RSVC option is chosen at System generation via the BLDTAB, RSVC, and ACSMETH subparameters of the SUPRVSOR macro instruction, SYSL.PROCLIB must be limited to a single extent.

16.002: A SYSGEN, driven with an MVT or MFT-II system at any level is possible only if the SYSOUT data from the job does not overflow one disk pack, and the largest output from any one SYSOUT DD card does not overflow the allocation for a single SYSOUT data set. Generally speaking, this means processor only SYSGENS with MVT or MFT-II are possible, while entire O/S SYSGENS are highly improbable.

16.060: If the starter system abends with an F44 completion code, an I/O error that requested SVC 68 has occurred. Restart, using normal SYSGEN restart procedures.

SRL NOTES

16.010: The IBM System/360 Operating System Job Control Language SRL (C28-6539-7) should be modified as follows:

If a comment statement is not preceded by a JOB statement, the system flushes to the first job statement and the comment statement will not appear on SYSOUT. No system failure occurs. Comment statements will appear on SYSOUT if they are preceded by a JOB statement.

If the number 16384 is specified in the REGION parameter on the JOB or EXEC control statement, the job will be failed, with an IEF272I message, even in systems with PCP. The number specified in the REGION parameter should range from 1 to a maximum of 16383.

If a 3 digit number greater than 255 is specified in the volcount field or the serial number field of the VOLUME parameter, the job will be failed with an IEF272I message. When using VOLUME=(,, , volcount), replace the term "volcount" with a number from 1 to 255. Also, when using VOLUME=SER= (ser#,'', ser#), a maximum of 255 volume serial numbers may be specified.

On page 38, column 2, the 4th Note under "DISP=NEW" should read, "IF a passed nontemporary data set is not assigned a disposition by the step receiving it, it is, upon termination of the receiving step, deleted if new when initially passed and kept if old when initially passed. Upon job termination, an unreceived passed data set is disposed of in the same way." The added information is the word "nontemporary" between "passed" and "data" in the first sentence.

16.011 The IBM System/360 Operating System Messages and Codes SRL (C28-6631-5) should be modified as follows:

Fortran (H) unnumbered message "Open Error on aaaaaa"

Explanation: The EDIT or XREF option was requested, but the corresponding DD cards indicating devices for SYSUT1 or SYSUT2 are not included in the JCL.

Compiler Action: The missing DD name will be filled in by the compiler at compilation time.

Fortran (H) unnumbered message "***** End of
Compilation *****"

Explanation: This message, which indicates that all processing of the source program has been completed, is generated at the end of every compilation except when an abnormal termination causes the generation of the message "Compilation Deleted n".

Message IEA000I - When the address of the channel command word cannot be determined this console message will appear with ** in the cm field.

The IEBUPDAT PROGRAM

IEB501I INVALID EXIT NAME. JOB TERMINATED.

Explanation: An exit routine name in the EXEC statement is invalid.

System Action: The job is terminated. (The return code is 12.)

IEB502I EXIT RETURN CODE INDICATES TERMINATION.

Explanation: The return code from an exit routine is 16.

System Action: The job is terminated.

IEB503I I/O ERROR ON SYSUT1. JOB TERMINATED.

Explanation: A permanent error was encountered while the SYSUT1 data set was being read.

System Action: The job is terminated. (The return code is 12.)

IEB504I I/O ERROR ON SYSIN. JOB TERMINATED.

Explanation: A permanent error was encountered while the SYSIN data set was being read.

System Action: The job is terminated. (The return code is 12.)

IEB505I I/O ERROR ON SYSUT2. JOB terminated.

Explanation: A permanent error was encountered while the SYSUT2 data set was being written.

System Action: The job is terminated. (The return code is 12.)

IEB506I NM BLOCKSIZE IS ASSUMED 80

Explanation: No block size is specified in the SYSUT2 DD statement. No blocksize is available in an existing data set control block.

System Action: Process continues. A block size of 80 bytes is assumed. (The return code is 8.)

IEB509I CURRENT TRANSACTION REJECTED.

Explanation: The transaction represented by the printed control statement and logical record statements is rejected because the control statement is written incorrectly appears in the wrong position with respect to other control statements.

System Action: Processing continues with the next member of the library. (The return code is 4.)

IEB510I NO RECORDS WITHIN DELETE RANGE

Explanation: No records were found within the range specified in the DELET statement.

System Action: Processing continues with the next member of the library. (The return code is 4.)

IEB511I NO RECORDS WITHIN NUMBER RANGE

Explanation: No records were found within the range specified in the NUMBR statement.

System Action: Processing continues with the next member of the library. (The return code is 4.)

IEB512I DIRECTORY WRITE ERROR

Explanation: A permanent error was detected while writing the directory of the SYSUT2 data set. This error could result if the SYSUT2 data set is not partitioned.

System Action: The job is terminated. (The return code is 16.)

IEB513I OUTPUT DIRECTORY FILLED.

Explanation: The directory of the SYSUT2 data set does not contain sufficient space for all the member entries.

System Action: The job is terminated. (The return code is 12.)

IEB514I MEMBER HAS NO RECORDS

Explanation: The member identified in the printed header statement contains no records.

System Action: Processing continues with the next member of the library. (The return code is 4.)

IEB515I IMPROPER INVOCATION PARAMETER

Explanation: Either the program or the EXEC statement calling IEBUPDAT has incorrectly passed parameters.

System Action: The request is terminated. (The return code is 12.)

IEB516I MEMBER NAME SEQUENCE ERROR.

Explanation: Member names, specified on header statements, are not in binary collating sequence.

System Action: Processing continues with the next member of the library. (The return code is 4.)

IEB517I DDNAME xxx CANNOT BE OPENED

Explanation: The named DD statement does not exist.

System Action: The job is terminated. (The return code is 12.)

User Response: Either correct the ddname if it is misspelled in the DD statement or the ddlist, or insert a new DD statement with this name.

Message IEB531I "old and new master DSORGS
incompatible"

Explanation: 1) the Data Set Organizations as implied or specified on the SYSUT1 and SYSUT2 DD statements are inconsistent with one another.

2) the Data Set Organization as implied or specified on the utility control statements is inconsistent with the Data Set Organization implied or specified on the SYSUT1 and/or SYSUT2 DD statements.

User Response: In case #1, check the SYSUT1 and SYSUT2 DD statements to see that A) the space allocation is consistent with the Data Set Organization, or B) the DSORG keyword is correctly specified in the DCB parameter list.

In case #2, check the utility control statements to see that the keywords specified are consistent with the Data Set Organization (s) specified or implied on SYSUT1 and/or SYSUT2.

System Action: The job step is terminated (the return code is 12.)

The following message does not appear:

Messages IEECV1I xxx UNAVAILABLE CONSOLE

Explanation: Device xxx, specified as the primary console at SYSGEN, is not available for system use.

System Action: The system will use the alternate console.

Operator Response: Continue system communication on the alternate console.

Message IEE314I "cm Unit Not Available"

Explanation: In the cm command one or more units is already in the desired state.

System Action: The command was not executed.

Operator Response: Issue the command again, correcting the unit address.

Message IEE315I "cm Unit Not Supported"

Explanation: One or more units are not supported for this cm command.

System Action: The system did not execute the command.

Operator Response: Issue the command again, correcting the unit address.

Message IEE901I "xxx Not Verified" should include in the explanation that if there are no replies outstanding the system response for a reply command will be the above message and the command ignored.

Message IEF236I "ALLOCATION FOR jjj sss (ppp)"

Explanation: This message identifies the job step and, if applicable, the cataloged procedure for which devices were being allocated. The IEF237I messages, which follow this message, describe the device allocations.

The devices were allocated for step sss of job jjj or for cataloged procedure ppp, which was executed by step sss of job jjj.

In response to a DISPLAY JOBNAME command, this message will indicate, on the console, only the unit record devices being allocated.

In a system with MVT, this message appears twice for a step or procedure if the step or procedure was being executed or terminated when system restart was required. The second IEF236I message is followed by duplicate allocation messages (IEF237I) for the SYSIN and SYSOUT data sets specified by the step or procedure. The first series of allocation messages reflect the actual device assignments. The second series should be ignored; they are produced when the system is completing the output queue entries for step sss.

User Response: None.

Operator Response: None.

Message IEF237I "ddn ON ddd"

Explanation: Device ddd is allocated to the data set defined in the DD statement whose name field contains ddn. This message is written for each device allocated to a data set, except for data sets defined in DD statements containing the SYSOUT parameter (in systems with PCP only).

In response to a DISPLAY JOBNAMES command, this message will indicate, on the console, only the unit record devices allocated to data sets, except for data sets defined in DD * or DD DATA statements or in DD statements containing the SYSOUT parameter.

User Response: None.

Operator Response: Check the unit record device to make sure it is ready and has the proper input decks, cards, or forms.

Message IEF247I - In systems with MFT the operator response shown is incorrect. The operator response for systems with MVT should be used for MFT.

Message IEF406I "Reader ddd Cannot Be Opened"

Explanation: The OPEN issued to device ddd -SYSIN- was unsuccessful.

Operator Response: Verify that the IEFRDER DD statement in the Reader procedure is specified correctly and restart the reader.

Message IEJ006I "Insufficient Storage. Space Option in Effect."

Explanation: The PRFRM option is specified; however, there is not enough main storage available for the PRFRM option.

Compiler Action: The SPACE compiler option is assumed, and the compiler begins the compilation again.

Message IEW019I "Warning - Main Storage Requirements for output load module have exceeded 512k bytes."

Explanation: In PCP and MFT environments, this represents the maximum size of a program that can be loaded. Any attempt to load a program larger than 512k bytes will have unpredictable results due to the

truncation of the size value in the RBSIZE field of the PRB. This message is only a warning to allow MVT users to produce output modules greater than 512k bytes since MVT does not have this limitation.

Some Scheduler Error Messages have variable information appended to the message text. The variable text identifies the most recently encountered field previous to a JCL error. The existence of this variable information is not documented. Messages which may have variable text are those which begin with IEF6xxI, where xx uniquely identifies the message.

16.012: The IBM System/360 Operating System Utilities SRL (C28-6586-8) should be modified as follows:

Examples 6 (p. 179) and 8 (p. 181) have commas missing from the RECEIVE, SOURCE3 and SOURCE4 DD cards. The commas are necessary to indicate continuation, and should be included after the last parameter on each of the DD cards.

On page 367 add to the IEBUPDTE section the message IEB531I " old and new master DSORGS incompatible"

Explanation: 1) The data set organizations as implied or specified on the SYSUT1 and SYSUT2 DD statements are inconsistent with one another.

2) The data set organizations as implied or specified on the utility control statements is inconsistent with the data set organization implied or specified on the SYSUT1 and or SYSUT2 DD statements.

User Response: In case #1, check the SYSUT1 and SYSUT2 DD statements to see that A) the space allocation is consistent with the Data Set Organization, or B) the DSORG keyword is correctly specified in the DCB parameter list.

In case #2, check the utility control statements to see that the keywords specified are consistent with the Data Set Organization (s) specified or implied or SYSUT1 and/or SYSUT2.

System Action: The job step is terminated. (The return code is 12.)

On Page 172 add: When positioning on a non-labeled tape prior to a "DUMP" operation, the IEHDASDR will space file past the next end-of-file record (tapemark). Therefore, if the user desires to begin dumping at the beginning of the tape, a tapemark should be the first record on the tape. If the user desires to intermix OS datasets and restore files on a tape, the following formulas should be used to calculate the desired file sequence number. When dumping to a non-labeled tape beyond OS datasets (or dumping to an IPL able restore tape), the user must specify a file sequence of "N-1" in the DD card that defines the tape volume "N" in this case is the highest physical dataset sequence number beyond which the user desires to create the restore file (s).

When Creating other datasets beyond files of restore data, the user must specify a file sequence of "M+2" where "M" is the number of previous restore files.

The file sequence number specified for a restore operation should be the same as that used in the dump operation.

16.014: The IBM System/360 Operating System On-Line Test Executive Program PLM (Y28-6651-0) should be modified as follows:

On page 35, three of the four off-page connectors at the bottom of the flow chart (chart BH) do not contain valid symbols for proper logic sequence. They should contain the following:

Connector from H1 - BI/B1
 Connector from H3 - BI/B3
 Connector from G4 - BI/B1

16.019: The IBM System/360 Storage Estimates SRL (C28-6551-6) should be modified as follows:

Table 65 indicates that the track requirements for the link library are with a specification of LBMAINT=E. If the link library resides on a 2311 and LBMAINT=F is specified, use the following track requirements:

for PCP with 44K scheduler	176
for MFT with 30K scheduler	222
for MVT	202
for ALGOL	33

for Assembler E	46
for Assembler F	42
for Linkage Editor E - 15K	15
for Linkage Editor E - 18K	15
for RPG E	53
for Sort/Merge	26
for Graphics	13

Note 1 to Table 7 on pages 39-40 is incorrect. It should read "COBOL E does not support both punched output and an object module for the linkage editor in any environment." Also, COBOL E does not support mixed intermediate (work) data sets."

Appendix A: "Reentrant Load Modules and Type 3 and 4 SVC Routines" should be changed under the heading "Type 3 and 4 SVC Routines". Add the following information:

- 1) Under OPEN - SVC 19
IGG0190N Final Module 1024
- 2) Under CLOSE- SVC 20
IGG0200Z Where to go logic 1024
- 3) Under DADSM Functions
IGG0CLC1 Second load of LOCATE/INDEX/CATALOG 1024

16.021: The IBM System/360 Operating System MVT Supervisor PLM (Y28-6659) should be modified as follows:

On page 244.1 the descriptor of the Time Slice Control Element (TSCE) flags should be:

<u>bit</u>	<u>meaning</u>
0	last TSCE
1-7	Reserved

16.022: The IBM System/360 Operating System System Programmer's Guide (C28-6550-4) should be modified as follows:

On page 97 the text after ".SKPEND1 ANOP" should read, "*** The following entries are for MFT and MVT Systems ***."

16.023: The IBM System/360 Operating System System Control Blocks SRL (C28-6628) should be modified as follows:

The Communication Vector Table (CVT) field CVTTSCE, the pointer to the first Time Slice Control Element (TSCE), is applicable to both MFT and MVT systems. In MFT the field contains the address of the TSCE. In MVT the field contains the address of the first TSCE.

On page 207, "RBS--PCP, MFT", under the XRBNM field the description of the SVRB type 3 or 4 SVC should read as follows for the last four bytes, "Four digit

number represented in signed, unpacked decimal. The number is of the form ysss where y is the number of a phase of the multiphase SVC routine and sss is the SVC number. The number of the first phase is 0.

Form #C28-6628 presently states that contained in the field at displacement CVT-4 is the Release Number of the system. It should state that the field is reserved.

16.024: The IBM System/360 Operating System Operator's Guide SRL (C28-6540-7) should be modified as follows:

The description of the UNLOAD command for MFT and MVT systems should be changed to read as follows:

When the volume is ready to be demounted, you will receive an IEF282I "xxx Now Unloaded" message. The message will not be received until job steps presently using the volume have terminated. If SYSOUT data sets are allocated to the volume, the message will not be received until a SYSOUT WRITER has processed them.

The DISPLAY JOB NAMES command description (pgs 16, 36, and 61) should also state:

"IF a DISPLAY JOB NAMES command is in effect and the job was terminated abnormally, the message IEF404I jobname ENDED WILL NOT BE ISSUED. However, a diagnostic message containing the jobname will be issued."

When BTAM issues a WTOR, at OPEN TIME the operator must reply to the message before canceling the job. If the reply is outstanding at cancel time, the system will go into a wait from which there is no recovery.

16.030: The IBM System/360 Operating System Programmer's Guide to Debugging SRL (C28-6670-0) should be modified as follows:

Figure 6 on page 11 should show the Master Scheduler within the nucleus, rather than in high main storage.

16.031: The IBM System/360 Operating System Linkage Editor SRL (C28-6538-5) should be modified as follows:

On page 34, under the heading "Including Library Modules" add, "The blocksize in the Data Set Control Block (DSCB) reflects the maximum possible block size for the device employed, not the size of the current record when RECFM=U"

Message IEW0191 "warning - Main Storage Requirements for output load module have exceeded 512k bytes"

Explanation: In PCP and MFT environments, this represents the maximum size of a program that can be loaded. Any attempt to load a program larger than 512k bytes will have unpredictable results due to the truncation of the size value in the RBSIZE field of the PRB. This message is only a warning to allow MVT users to produce output modules greater than 512k bytes since MVT does not have this limitation.

16.034: The IBM System/360 Operating System COBOL (F) Programmer's Guide SRL (C28-6380-2) should be modified as follows:

On page 17 under "LOAD/NOLOAD" the last sentence should state, "If this option is used, a SYSLIN DD statement must be specified." The correction is changing the word "SYSIN" to "SYSLIN."

16.037: The IBM System/360 Operating Sysgen Manual (C28-6554-4) should be modified as follows:

That portion which deals with the SYSOUT=parameter of the GJOBCTL sysgen macro is incorrect. The manual states that the classname parameters are in the following order:

1. Message class for foreground jobs.
2. Print output class
3. Punch output class
4. Message class for background jobs

The order of these positional operands should be as follows:

1. Message class for foreground jobs
2. Message class for background jobs
3. Print output class
4. Punch output class

16.055: The IBM System/360 Machine Check Handler PLM Y27-7155-1 should be modified as follows:

On Page 67, Appendix B, the message IGF013 contains the following:

(CCH is not in the system). This line should be deleted.

CONTROL PROGRAM (PCP and MFT)

(CI505)

15.009: If a DEFINE Command is entered into the system for the purpose of dynamically redefining partition sizes, and a writer is active in one of these partitions, the writer will not be terminated and the definition will not be completed. Message (IEE805I) "Definition Completed" will not appear on the system console.

To bypass this condition, the operator should issue a STOP WRITER. Px command, where x indicates the partition in which a writer is active.

The STOP WRITER. Px command may be issued prior to or following the "define" command.

15.015 If the operator presses the console request key and types "EOB" without entering a message while a message is being typed, the system may enter the wait state. Normal operation can be resumed by entering any operator command.

15.025: During partition definition, if a number is assigned as a job class, no diagnostic message will appear but the number will be ignored.

For example, if a valid alphabetic job class appears in front of a number (P2=N4), the partition definition routine will ignore the invalid number (4) and assign the alphabetic character (N) as the job class of partition 2. But there will be no diagnostic message.

15.026: The job name optional parameter on the START RDR command must not contain more than 8 characters. If more than 8 characters are used, the job will not be executed.

15.038: When partition sizes are specified in the PARTITNS macro at Sysgen time in the MFT II system the partition sizes recorded must be multiples of 1K if the storage protection feature is not included. If storage protection is included the partition sizes must be multiples of 2K.

15.039: At IPI time if an invalid unit is specified for the Q or PROC parameter of the SET command, the system will reissue the 'READY' and automatic command messages. The reissue of a START WTR automatic command will have the character immediately following the 'Identifier' missing. The result is an invalid START command SYNTAX which will be rejected if the command is selected.

15.041: When canceling a job the entire job name must be entered or results are unpredictable.

15.044: It is impossible to RESET the priority of a job to zero. It will be set to the original priority.

15.045: In MFT II a completion code of 420 indicates that this referenced job was canceled by the system because the job required more JOBQ space than was available (See comp code 422 in IBM System/360 Operating System Messages and Codes SRL (C-28-6631-5) for a more detailed description).

16.007: In the reply for changing partition definitions, the scan of the definition will terminate when the first blank is encountered. The reply will be processed but only the information up to the first blank will be used. To avoid this be sure to use commas to separate each definition.

16.008: If a 2250 is functioning as the primary operator's console during nucleus initialization, the "EOB" reply may not be used in response to the IEAL01A "Specify System Parameters" message. 'Reply 00, "U" IS an equivalent and acceptable response. Using the "EOB" key will result in a IEAL02A "Invalid Parameter/Format-Respecify" message.

16.009: When an invalid unit has been specified for a VARY command, the message will be "IEE313Ix unit UNIT REF INVALID" where x may be any character, depending upon what is left in the WTO buffer. The message should be "IEE313I unit UNIT REF INVALID".

16.020: If a "TMSL" for time slice values has been entered into the system during partition definition prior to a "TMSL=CANCEL" or change to TMSL specification, the list request will not be honored. To get the time slice list issue the "TMSL" request again.

16.025: A 222 ABEND following messages: IEE301I "jjj JOB CANCELLED" or IEF425I "jjj EXCEEDED SPECIFIED QUEUE SPACE" does not mean the operator cancelled the job, but that the system cancelled it. The 222 code should be handled as a 422 as is outlined in the IBM System/360 Operating System Messages and Codes SRL (C28-6631-5). The 222 code will be changed to a 422.

16.026: Message IEA000I "I/O ERR, adr, cm, stat, sensbbbbbb, cylntrck" will erroneously print as "I/O ERR, adr, cm, stat, sensbbbbbb V cylntrck" when there are 5 bytes of valid sense data instead of 2.

16.027: When the Reader Interpreter (R/I) is running, using a user supplied special access method to pass it the input, and the enqueue option is specified, the R/I will issue the message 'IEF406I Reader ddd CANNOT BE OPENED' at the end of the input data before closing out. The

message should be ignored. It causes no further errors in processing, and indicates no previous errors under the above conditions. Graphic Job Processing and Remote Job Entry use this combination of options to the Reader Interpreter. Hence, when running either program the message should be ignored.

16.039: After the operator re-enters a message cancelled because of incorrect entry, and hits ALT CODE/EOB, the message is accepted but the proceed light may remain on. To continue processing, depress the ALT CODE/EOB a second time.

16.054: If a DISPLAY R command is issued with all of the following conditions true: (1) a unit is allocated and not ready, (2) an allocation for another step is performed prior to the termination of the step to which the unit is allocated, (3) AVR in MFT or MVT has been selected at SYSGEN, and (4) no AVR mount message is pending, then message IE110A AVR MOUNT PENDING is erroneously issued. The message should be ignored.

DATA MANAGEMENT

(DM508)

12.089: When creating a multivolume tape data set with a disposition of PASS, if more volumes are used than the number of units allocated to the data set, previously used tapes will be rewound and unloaded but no retain message will be issued.

15.012: If the operator mounts an incorrect volume of multi volume data set in response to an "IEC001A" M message, the system issues an "IEC0011A" M message for the proper volume and then rewinds and unloads the incorrectly mounted tape. A "D" message does not appear on the console. The operator should mount the tape specified by the second message as if a "D" message had been issued.

15.042: On the first reel of a multivolume 9 track tape data set, a mount message with an erroneous density of 200 BPI may be printed. Mount the tape with the label requested disregarding the density requirements.

16.001: Effective with Release 15/16, the system automatically assigns volume serial numbers of the form LXXXYY to unlabeled non-specific tapes for internal system use. The XXX is supposed to represent a unique number assigned to this data set by the system and YY is supposed to represent the volume sequence number within the data set. The XXX field is actually incremented by 1 when the second volume only of a multi-volume data set is processed,

resulting in volume serial sequences of the form L00101, L00202, L00203, etc. These numbers appear externally only on console and SYSOUT volume disposition messages.

16.041: If volume serial numbers are not specified, BLKSIZE may not be available at open time to a step to which a multivolume labelled tape data set has been passed for MOD. An F13 ABEND or an error message will occur. To circumvent the problem, use specific volume serial numbers or refer back to the DCB subparameter from the receiving step.

16.042: When volume serial numbers are not specified, and disposition is MOD for a step receiving a multivolume labelled tape data set, OPEN positions the tape at the end of the first volume, and a 613 ABEND occurs. Use specific volume serial numbers to bypass the problem.

16.044: Use of track overflow in a PDS will cause the task to enter the wait state if an error occurs while reading the first record of a member. Using a BLKSIZE that is compatible with record length and format will minimize occurrences; removing track overflow from record format will eliminate the problem.

16.056: If a standard labeled tape is erroneously mounted when a nonlabeled tape is requested and a permanent read error is encountered while reading the volume 1 record, the standard labeled tape may be accepted by the system.

16.057: When an interface control check or channel control check occurs during OPEN, the system enters an F06 wait state instead of an F05.

RECOVERY MANAGEMENT

(DN539)

16.047: When CCH encounters a machine check, the System Channel Configuration in the Record Entry Area may not be completely reliable in the EREP output. Addresses of devices not on the channel may be present.

16.048: When the operator receives a message issued with an action indicator of "S", he should load (IPL) the System Environment Record Edit and Print (SEREP) program, which is a stand-alone program. An action indicator of "W" requires that EREP, a problem program that operates under control of the operating system, be scheduled.

BTAM

(CQ513)

16.005: An F2D ABEND will occur when attempting to run BTAM online terminal test in a PCP or MFT system that does not include the asynchronous exit effector routine. This routine may be included by specifying BDAM or ISAM as optional access methods in the DATAMGT macro instruction at Sysgen time.

QTAM

(CQ519)

16.061: Invalid characters may appear in the message header if the SEQUENCE OUT field of a message is not removed. Remove this field that was assigned by SEQOUT in the receive LPS before the message is put to a terminal destination.

16.062: A dial terminal should be inactive when on-line test message switching is used. A program check may result if the terminal is active.

GRAPHIC PROGRAMMING SERVICES

(IO523)

15.017: When using Recovery Management on a System/360 Model 65 with MVT and using a 2250 Graphic Operators Console an recoverable Machine Failure will cause the system to enter the WAIT state, the 2250 bell to ring and a unique code to be displayed in the D-register. Messages IGF001 through IGF013 will not appear on the 2250 Operator's Console; however the corresponding WAIT state codes will appear in the D register. The operator should proceed as described in the Messages and Completion Codes SRL.

If pending light pen and data check attentions exits when Recovery Management take control they will be interpreted as keyboard attentions. Attentions Generated while Recovery Management is in control will be lost. If the 2250 screen goes blank, the CANCEL key must be pressed to restore the screen.

ISAM

(IO526)

12.172: A 0F2 abend will occur when performing a sequential, queued mode scan of an ISAM data set if the last DD card is an ISAM DD card.

PL/I

(NL511)

15.043: If the MACDCK option is specified, the punch data set will be opened even if NO MACRO is specified.

16.006: The default size for PL/I at System Generation Time is 45056 bytes and not 999999 (implying maximum available) as stated in the System Generation Manual, form C28-6554 and the PL/I Programmers Guide, form C28-6594. To obtain maximum available space, specify SIZE=999999 in the operand of the PL/I macro.

SYSTEM AND DATA SET UTILITIES

(UT506)

15.046: Extraneous error message 'IEW0461 WARNING - SYMBOL PRINTED IS AN UNRESOLVED EXTERNAL REFERENCE, NCAL WAS SPECIFIED' is printed during Sysgen in the step that linkedits module IEH MVETJ. The functions of module IEH MVETJ are not affected by the cause of the message.

15.047: Extraneous error message 'IEW0172 ERROR-EXCLUSIVE CALL FROM SEGMENT NUMBER PRINTED TO SYMBOL PRINTED' is printed during Sysgen in the step that linkedits module IHGUAP. The functions of module IHGUAP are not affected by the cause of the message.

16.004: When executing program IEBUPDTE on an MFT or MVT system an 0C6 ABEND will result if a // SYSIN DD * card is followed by an UPDTE control card and data in the form of JCL. This problem can be by-passed by coding the DD card as // SYSIN DD DATA.

MVT

(CI535)

12.014: Carefully review the storage estimates SRL and establish region requests with caution. A region request that exceeds all main storage not occupied by the system will cause the job step to be placed in a permanent wait with no message given. The job step can not be cancelled. A system restart will be necessary to remove the job step.

15.018: When using SERO or SER1 on a System/360 model 50, 65, or 75 with MVT and using a 2250 Graphic Operators Console, an unrecoverable machine failure would normally cause a console message to be printed, an error code to be loaded into the PSW and entry into the WAIT state. The following messages will not appear on the 2250 Operator's Console; however, the corresponding WAIT state codes will appear in the WAIT state PSW: IFBF05W, IFBF06W, IFBF07S, IFBF08S, IFBF09S, IFBF0AS, IFBF0DS. The operator should proceed as described in the Messages and Completion Codes SRL.

15.048: Operating System/360 message number IEA123I takes the form: "jjj, sss, R/O OF INIT, jjj" instead of the form stated on page 69 of the IBM System/360 Operating System Messages and Codes SRL (C28-6631-5). The form stated in the manual is "jjj, sss, R/O OF jjj, sss."

16.045: On Models 65 and larger, the MVT loader, IEWFETCH, may overlay portions of the nucleus when Linkage Editor F output is scatter loaded. A system wait may occur, with the location determined by the portion of the nucleus overlaid. To bypass the problem, increase the region size to that which would be required for blockloading, or linkedit with the E Link Editor.

16.051: Issuing the display A, R, Q, or N during IPL may result in an F03 abend. To avoid this do not issue the above commands until IPL is completed.

RJE

(RC532)

16.013: A switched remote terminal will not get a RJE closedown message if the terminal attempts to send input while processing the RJE closedown. The message will be delivered to the terminal at the next startup. This is indicated to the user by a line I/O error after the stop RJE has been submitted. Therefore, the user should ignore the closedown message at remote startup.

16.017: RJE prints an erroneous data record at the 2780 remote terminal printer. The record is printed after the JCL printout for the link edit step. The user should

ignore the erroneous data record. This situation occurs when machine code carriage control has been specified in the RECFM parameter and the control character in the logical record is of the type which specifies immediate carriage control operations (carriage control without print). If immediate operations are required the problem can be avoided by assuring that the associated data record is blank.

GJP

(RC541)

16.016: During the operation of the Graphic Job Processor in an MFT environment there are two instances when the message "IKA063I ddd No Jobclass Y,I" will appear.

It will appear correctly when the user causes the initial attention, and there are no partitions with a jobclass the same as that assigned to GJP.

It will appear incorrectly when there are partitions with GJP's jobclass but none of them are large enough for GJP. In this case "IKA064I ddd Partition Size Too Small for Y,I" should result instead of IKA063I. In this instance use the response for the IKA064I message.

16.018: The units digit of the two digit return code has been erroneously omitted from messages IKA001I, IKA002I, IKA003I, IKA004I, IKA005I, IKA049I, IKA055I, and IKA058I.

16.032: Whenever a job is started using the Graphic Job Processor on MVT, regardless of whether the job is for the background or the foreground, the region size used for the job is the size originally reserved for the foreground job. If the user did not sysgen a foreground region size and did not specify one at START GFX time the "REGION=" parameter will be omitted.

The user of GJP may use the foreground region size for both background and foreground jobs or the region size can be left out of the sysgen macro (GJOBCTL) and not specified at START GFX time. In the latter case the user can supply his own region size by inputting REGION-xxxx in the OTHER parameter on the Specify Job Step frame.

16.033: If a procedure does not have a DD card for the 2250 and it is specified by the Specify Job Step frame to run in the foreground, and override card for the 2250 will be generated for the last step in the procedure. All subsequent override cards will follow this card.

There are three ways to avoid this problem.

1. Enter the execute card for the procedure via the Enter Data frame, thereby

avoiding the Specify Job Step frame.

2. Run the job as a background job.
3. Add a DD card for the 2250 to the first step of the procedure.

16.036: In the message "IKA048I XXXXXXXX SYSOUT ON Y" the actual character Y is typed in all cases. This should be interpreted as being the print class associated with GJP and GFX via the SYSGEN or START GFX command.

16.046: The SCTR parameter is not included in the linkedit attributes of IKASD082. Change the GFX procedure to state a region size of 14k instead of 10k.

16.049: To remove units from Graphic Job Processing, use commands VARY xxx, OFFGFX, or VARY xxx, OFFGFX,M (where xxx is a unit address) rather than the command VARY xxx, OFFGFX, F.

16.050: Only one GFX may be active at a time. If a second START GFX command is entered, the message "START GFX IGNORED" will be issued and the second GFX may abend with a 0B0 code. The first GFX will continue to run normally.

16.052: When the END box of the System Message Block frame is lightpenned, the System Message Block frame may not be replaced by the GJP select frame. Repeated light pennings or the use of the END key on the 2250 console may be necessary.

16.053: When the 2250 operator RECALLS an Enter Data frame and uses the Accept option, the Enter Data Processor may display an information message from a previous entry on the Recall frame. To determine which entry caused the message, depress the CANCEL key and select REVIEW. The entry causing the message will be displayed. Depress the END key to remove the message.

16.059: When a dequeuing error indication is received from Q manager after a job has been successfully completed, the select frame appears with the single option "LOGOFF;" however the explanatory message "I/O ERROR PLEASE LOGOFF" is omitted.

ASSEMBLER F

(AS037)

16.038 Assembler F will ABEND with a user code of 20 if it detects (1) a missing DD statement for SYSIN, SYSLIB, SYSUT1, SYSUT2, or SYSUT3, or (2) a permanent I/O error. The message IEU998, "Assembly Terminated Missing data set for..." or IEU999 "Assembly Terminated. Permanent I/O error on (DS name), " will be displayed. For either

condition, the assembler ABENDS without closing data sets, without returning core obtained through GETMAIN and without freeing attached buffers. If DD statements are missing, check all DD names, supply the missing statements and recompile.

COBOL F

(CB524)

16.035: An undocumented message, IEQ0015I-C "BUF PARM TOO SMALL FOR DD CARD BLOCKSIZE, COMPILATION ABANDONED", may appear if a BLKSIZE parameter of a compile unit DD card is not consistent with the BUF parameter specified for compilation. Correct the DD card and re-execute the compilation. Refer to Appendix D in the COBOL (F) Programmer's Guide C28-6380-2.

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REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST      0654   68250
CMPNT   FIXD
AL531   17.0   ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
AL531   17.0   -P15606-ABENDOCX -ALG-EXEC-UNPRED ERRORS WITH STMTS WHICH INCLUDE POWER OPER.
AL531   17.0   -P15601-ALG-EXEC -CODE-ASSIGN-STMT-IF LEFT PART HAS GT 1 SUBSCRPTD VARIABLE FOLWD BY SIMPLE VAR
AS037   17.0   -P15603-ALG-EXEC -CODE-STRING-IF ERRONEOUSLY USED IN ARITH EXPRESSION GIVES UNPREDICTABLE RESULT
AS037   17.0   -P17428-ABENDOC1 -ASM-F-ASSY-IEUF2-NULLFILE ON SYSIN DATA SET MAY CAUSE ABEND
AS037   17.0   -P17315-ABENDOC5 -ASM-F-EXEC-IEUF71-CODE-DDNAMES MAY BE MUTILATED
AS037   17.0   CRCMV-P17453-ABEND020 -ASM-F-ASSY-IEUF2-COPY-IF A COPY WITHIN A COPY IS ATTEMPTED.
AS037   17.0   -P18848-ABEND20 -ASM-F-ASSY-IEVF1-WHEN 1 OR SEVERAL DD CARDS MISSING FOR SYSUT1,2,3
AS037   17.0   -P17835-ASM-F-ASSY -GEN-ERRONEOUS ADDRESSES ASSIGNED TO LITERALS
AS037   17.0   -P17717-ASM-F-ASSY -GEN-IEUASM DOES NOT STORE ADDRESS OF SAFE AREA IN CALLERS ROUTINE
AS037   17.0   -P18743-ASM-F-EXEC -GEN-CROSS REF DOES NOT AGREE WITH SOURCE LIST,USING PRINT NOGEN
AS037   17.0   -P18695-LOOP -ASM-F-ASSY-IEVF7D-WHEN DC CONTAINS NEGATIVE DUPL. FACTOR
AS037   17.0   -P18848-MSGIEU998 -ASM-F-ASSY-FLAG-WHEN 1 OR SEVERAL DD CARDS MISSING FOR SYSUT1,2,3
CB524   17.0   -P15452-ABENDOC5 -CBL-F-CMPL-ENVIRONMENT DIVISION HEADER.
CB524   17.0   CRCMV-P18265-ABENDOC6 -CBL-F-CMPL-IEQCBL20-WHEN PROC.SOURCE PROG.WITH OCCURS DEPENDING ON STMTS.
CB524   17.0   -P16246-ABENDOC6 -CBL-F-CMPL-IF RESERVED WORD USED WRONG IN SOURCE CLAUSE IN REPORT SECTION
CB524   17.0   CRCMV-P16807-ABENDOC7 -CBL-F-EXEC-IEQCBL20-INCORRECT LENGTH ON REPORT ITEMS IF REFERENCED IN PROC.DIV
CB524   17.0   -P16293-ABENDOC9 -CBL-F-CMPL-IEQCBL10-IF A RESERVED WORD IS USED INCORRECTLY IN A REPORT GP SEC.
CB524   17.0   CRCMV-P18177-ABENOC7 -CBL-F-EXEC-IEQCBL50-WHEN MORE THAN 256 SUBSCRIPTS USED IN ONE PARAGRAPH
CB524   17.0   CIRCUM-P16443-CBL-F-CMPL -GEN-BLOCKING OF SYSLIB DS MORE THAN 5 GIVES PERM I/O ERROR ON SYSLIB
CB524   17.0   -P18653-CBL-F-CMPL -GEN-CHARACTER LEFT AND WITHOUT TREATED AS RESERVED WORDS
CB524   18.0   -P16307-CBL-F-CMPL -GEN-ERRON LNGLTHS GEN FOR GROUP ITEMS IF LINKAGE SECTION EXTREME LARGE
CB524   17.0   RESTR-P15362-CBL-F-CMPL -GEN-MOVE-FOR SUBSCRIPTED DATA-NAME THAT EXCEEDS 8191 BYTES,UNPRED.RESULTS
CB524   17.0   -P18652-CBL-F-CMPL -GEN-NO MSG WHEN FILES RECORDING MODE FIXED BUT RCD DESCRIPTION VARIABLE LNGLTH
CB524   17.0   -P18315-CBL-F-CMPL -GEN-ONLY 1ST 38 CHAR OF OPTIONS PASSED TO COMPILER ARE PROCESSED
CB524   17.0   RESTR-P15444-CBL-F-EXEC -CODE-DCBBVFCB OF DCB INITLZD WRONG-QISAM AND BISAM USE SAME AREA.
CB524   18.0   CRCMV-P18933-CBL-F-EXEC -CODE-FIG.CONST.OTHER THAN 0 IN VALUE CLAUSE TREATED AS VALUE SPACES
CB524   17.0   -P17540-CBL-F-EXEC -CODE-IF CALL STATEMENT NAME IS THAT OF BASIC FILE DCB NOT DECB IS PASSED
CB524   17.0   CIRCUM-P14758-CBL-F-EXEC -CODE-OCCURS-OPT EQ 2-IF MUTIPLE OCCURS ARE IN RECD DESCRIPTION ANY ODD NOT INIT
CB524   17.0   CRCMV-P13548-CBL-F-EXEC -CODE-REDEFINES,OCCURS-IF IN SAME ENTRY,BAD DISPLACEMENTS MAY COMPUTE.
CB524   17.0   -P14466-CBL-F-EXEC -CODE-RPTWTR-PUB DOES NOT ADEQUATELY DESCRIBE USE OF RPTWTR STMT FOR SUM
CB524   17.0   -P15946-CBL-F-EXEC -CODE-SORT-USING COBOL SORT WITH VL RECS-LAST CHAR OF SORTED REC IS DROPPED
CB524   17.0   CRCMV-P18799-CBL-F-EXEC -CODE-WHENEVER SAME SUBSCRPTD DATA-NAME APPEARS IN MORE THAN 1 DEBUG PACKET
CB524   17.0   -P18503-CBL-F-EXEC -CODE-IF DETAIL REPORT GRP NOT UNIQUE,EXEC INCORRECT
CB524   17.0   CRCMV-P16172-CBL-F-EXEC -GEN-MAX LNGLTH RCDS PASSED BY SORT CAUSING SYS TO RUN OUT OF SPACE
CB524   18.0   -P18836-CBL-F-EXEC -GEN-NO DIAG.MSG.GIVEN FOR CORRESPONDING STMT.CONT.ERRORN. PERIOD
CB524   17.0   CIRCUM-P15329-IODASD-BDAM -CBLF-ERP-NOT PERFORMED-NO INVAL KEY/USER ERR DECLARTVES NOT SPECIFIED.
CB524   17.0   CIRCUM-P16036-IODASD-ISAM -CBLF-BISAM/QISAM-ERP-NOT PERFORM.NO INV KEY/USER ERR DECLRTVES SPECIFIED.
CB524   17.0   RESTR-P15444-IODASD-ISAM -CBLF-BISAM/QISAM-USE SAME AREA DCBBUFCB FLD DCB INITIALIZED WRONG.
CB524   17.0   -P14475-LOOP -CBL-F-CMPL-IEQCBL00-CODE-LOOP COMPILING LARGE PROGRAMS
CB524   17.0   -P17705-LOOP -CBL-F-EXEC-IEQCBL00-DECK-IFTWO COPY CLAUSES REFER TO SAME NONEXISTANT MEMBER
CB524   17.0   -P17027-MSG -CBL-F-CMPL-FLAG-QUOTE-ERROR FOUND PROCESSING F4 TEXT-UNDOCUMENTED
CB524   17.0   CIRCUM-P16113-MSG -CBL-F-CMPL-FLAG-UNNUMBERED MSG WHEN BUF SIZE TOO SMALL FOR BLKSIZES SPECIFIED
C1503   17.0   -P18686-CBL-F-EXEC -CODE-INCORR RESULTS COMPUTING EXT FP AND USING ROUNDED
C1505   17.0   -P17937-ABENDB37 -CNTRLPROG-SCHED-IF NO SPACE IS LEFT ON FIRST VOL OF NEW MULTIVOL DATA SET
C1505   17.0   -P18090-ABENDB37 -CNTRLPROG-SCHED-IF PREVIOUS B37 OCCURRED A B37 ABEND WILL OCCUR AT RESTART
C1505   17.0   -P16490-ABENDOCX -CNTRLPROG-MFT/PCP-SUPVSR-IEAATA-REGS NOT RESTORED WHEN CNTRL RETURNED TO SIRB
C1505   17.0   13985-P13985-ABENDOCX -GEN-IODASD-ERP-IEC23XB,C,D,E. IF -HA- IN ERR AND ERP TRIED TO REREAD IT.
C1505   17.0   -P17756-ABENDOC1 -CNTRLPROG-SCHED-WITH TWO SUCCESSIVE VALIDITY CHECKS ON SYSIN DEVICE,RDR ABENDS
C1505   17.0   -P16153-ABENDOC5 -CNTRLPROG-MFT/PCP-SCHED-CHKPT-WHEN TAPE UNIT ALLOCATED BUT NOT OPENED
C1505   18.0   -P13358-ABENDOC5 -CNTRLPROG-MFT/PCP-SCHED-DD CARD /VOL EQ SER EQ NUMBER/ SPLIT ON DD CARD
C1505   17.0   -P16335-ABENDOC5 -CNTRLPROG-MFT/PCP-SCHED-IF SYSJOBQE OVERFLOW WHILE READING CARDS
C1505   17.0   -P16376-ABENDOC5 -CNTRLPROG-MFT/PCP-SUPVSR-MACRO-WAIT-SIGN BIT OF ECB NOT CLEARED
C1505   17.0   -P17722-ABENDOC5 -CNTRLPROG-SCHEDULR-AVR-IF MORE THAN 30 UNMOUNTED VOLUMES REFERENCED
C1505   17.0   -P17037-ABENDOC9 -CNTRLPROG-MFT/PCP-SCHED-CHKPT/RSTRT-AFTER RESTART NEXT JOB MAY ABEND
C1505   17.0   -P18609-ABEND102 -CNTRLPROG-MFT/PCP-SCHED-WHEN SAMLL PART.CANCELLED WHILE HUNG IN ALLOCATION
C1505   17.0   -P17109-ABEND113 -CNTRLPROG-SCHED-ATTEMPTING TO RESTART,TRYING TO OPEN AND POSITION A TAPE,ABEND
C1505   17.0   CIRCUM-P14304-ABEND213 -CNTRLPROG-MFT/PCP-SCHED -WHEN PARM DCB EQ DSNAME USED ON DD DUMMY CARD

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CMPNT	FIXD	REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST	0654 68250
CI505	17.0	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
CI505	17.0	-P16185-ABEND213	-CNTRLPROG-MFT/PCP-SCHED-KEYWORD SUBPARMS NOT CHECKED FOR PARENTHESIS
CI505	17.0	-P17166-ABEND60A	-CNTRLPROG-MFT/PCP-SUPVSR-WHEN CLOSE RTN DOES FREEMAIN FOR WORK AREA
CI505	17.0	-P17335-ABEND80A	-CNTRLPROG-MFT/PCP-SCHEDULR-CHKPT/RSTRT-CORE FRAGMENTATION
CI505	17.0	15951-P15951-ABEND80A	-CNTRLPROG-MFT/PCP-SUPVSR-AT JOB TERMINATION DUE TO CORE FRAGMENTATION
CI505	18.0	-P17733-ABEND80A	-CNTRLPROG-SUPRVS-FREEMAIN USING R FORM DOES NOT GENERATE CODE FOR REG 1
CI505	18.0	-P18501-ABEND813	-CNTRLPROG-MFT/PCP-SCHED-IF DS NAME SPEC.ON START RDR IS NOT ON THE TAPE
CI505	17.0	-P18655-CNTRLPROG	-MFT/PCP-IDS-CHAN END APPENDAGE NOT ENTERED WHEN INT REQ FOLLOWED BY UNIT EXCEP
CI505	17.0	-P15387-CNTRLPROG	-MFT/PCP-NIP-DOESNT GIVE ERR MSG FOR RAM BLDL FAILURE IF PREV BLDL FOR MOD OK
CI505	17.0	CIRCM-P15043-CNTRLPROG	-MFT/PCP-NIP-IF VTOC ON 2321 1-ST STRIP TTR CALCULATED WRONG.
CI505	17.0	09674-P09674-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-FAIL CRCTLY ALLOC TAPE WHEN DS NOT -OPEN-
CI505	17.0	RESTR-P13462-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-FOR PERM RES DA DEV MOUNT MSG ISSUED IF DEV OFFLINS AT IP1
CI505	17.0	-P09289-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-IF 2 OR MORE DD STMTS SPECIFY AN IMPLIED SHARED VOLUME
CI505	18.0	CIRCM-P16866-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-SPLIT CYL-WITH 2 RELATED DD STMS DEFINING DS-DS NOT DELETE
CI505	17.0	-P15699-CNTRLPROG	-MFT/PCP-SCHED-ALLOC-2400 TDU ASSIGNED IN PLACE OF 2250 GRAPHICS DEVICE.
CI505	17.0	15780-P15780-CNTRLPROG	-MFT/PCP-SCHED-AUTO START WTR COMMAND WRONG
CI505	17.0	-P16066-CNTRLPROG	-MFT/PCP-SCHED-CHKPT/RSTRT-WRONG GENERATION OF DATA SET IS RETRIEVD.
CI505	17.0	-P17551-CNTRLPROG	-MFT/PCP-SCHED-IEFVM4LS-IF GDG IS USED WITH SEP OR AFF INCORR STATEMNTS RESOLVD
CI505	17.0	CRCMV-P17034-CNTRLPROG	-MFT/PCP-SCHED-ISSUNG MOUNT & VOL.SER.NO., WRONG NO IS LOADED.
CI505	17.0	-P17077-CNTRLPROG	-MFT/PCP-SCHED-JOB SEPARATOR RTNS ERRORS WHEN JOB HAS FAILED
CI505	17.0	-P18573-CNTRLPROG	-MFT/PCP-SCHED-MODE AND STACK TREATED AS MUTUALLY EXCLUSIVE
CI505	17.0	-P16206-CNTRLPROG	-MFT/PCP-SCHED-MSGLEVEL EQ 0-FAILS TO PRINT CONTROL CARD THAT IS IN ERROR
CI505	17.0	CIRCM-P15789-CNTRLPROG	-MFT/PCP-SCHED-MULTI-VOL-ISAM DS NOT DELETED AT JOB TERM IF DISP EQ NEW,PASS
CI505	17.0	CIRCM-P12834-CNTRLPROG	-MFT/PCP-SCHED-MULTIVOL DS NOT SCRATCHED AT STEP TERMINATION.
CI505	17.0	-P18186-CNTRLPROG	-MFT/PCP-SCHED-NO DISPLAY STATUS MSG.GIVEN FOR DS WITH COND.DISP
CI505	17.0	CIRCM-P16505-CNTRLPROG	-MFT/PCP-SCHED-OVERIDE-PARMS ON DD STMT OF CATPROC USING BACK REF FAILS
CI505	17.0	-P19026-CNTRLPROG	-MFT/PCP-SCHED-PART ID IN FRONT OF MFT II MSG VIOLATION OF STANDARDS
CI505	17.0	-P18221-CNTRLPROG	-MFT/PCP-SCHED-USNG DSNM EQ NULLFILE CAUSES ALLOCAT TO OCCUR FOR DD STATMNT
CI505	17.0	-P16900-CNTRLPROG	-MFT/PCP-SUPRVS-DUMP-SYSOUT TO TAPE-SPRINTR UNABL 2 PROPRLY PRINT SYSABND DUMP
CI505	17.0	-P18056-CNTRLPROG	-MFT/PCP-SUPRVS-EOV PROG CHECKS TRYING TO EXTEND SYSOUT DATA SET WHILE DUMPING
CI505	17.0	-P18753-CNTRLPROG	-MFT/PCP-SUPRVS-TOTAL OF ACT.DEV AND ALT.PATHS CAUSE CNTRL UNIF INDEX EXC.1BXTX
CI505	17.0	-P17696-CNTRLPROG	-MFT/PCP-SUPVSR-ADDRESS MARKR ERROR BEING RETRIED 5 TIMES INSTEAD OF 10
CI505	18.0	-P18344-CNTRLPROG	-MFT/PCP-SUPVSR-SOFT WRITE ERRORS LOGGED AS SOFT READ ERRORS
CI505	17.0	-P16906-CNTRLPROG	-MFT/PCP-SUPVSR-SYSTEM CTL BLOCK MANUAL ERRONEOUSLY STATES CVT+4 CONTAINS RELNO
CI505	17.0	-P18562-CNTRLPROG	-MFT/PCP-SUPVSR-USING ALL OPTIONS OF SET COMMAND ONLY 1ST 4 PROCESSED
CI505	17.0	-P16641-CNTRLPROG	-MFT/PCP-SUPVSR-WAIT-MULTIPLE-MACRO WILL ACCEPT MORE THAN 1 WAIT ON SINGLE ECB
CI505	17.0	-P16751-CNTRLPROG	-MFT/PCP/MVT-SCHED-JOB SEPARATOR-SYSOUT EQ. B FOR SYSPUNCH CARDS FALL INCORRECT
CI505	17.0	-P15559-CNTRLPROG	-MVT-SCHED-CATALOG DS CHARACTERISTICS NOT COPIED INTO DCB.
CI505	17.0	-P18610-CNTRLPROG	-MVT/PCP-SUPVSR--UCB ADDRESSED DO NOT RPINT TOU IN ABEND DUMPS
CI505	17.0	-P17884-CNTRLPROG	MFT/PCP-SUPVSR-IF CHAN PROG IS COMMAND CHAIND IT WILL BE RESTARTD IN WRONG PLAC
CI505	17.0	-P16859-DUMP	-ABDUMP-MFT/PCP-PRINTS PSW AT ENTRY TO ABEND ON OCX FROM TCB INSTEAD RB.
CI505	17.0	-P15902-DUMP	-SNAP-SRL CLARIFICATION OF REGISTER WITH -TCB- ADDRESS.
CI505	17.0	-P16405-IOCONSOLE	-GEN-IOERR-ERROR IS NOT IDENTIFIED AND OUTPUT IS NOT AUTOMATIC AFTER CONSOLE SW
CI505	17.0	15522-P15522-IOCONSOLE	-GEN-NOTOPERATIONAL-WHEN CLOSE READER-DUE TO OVERLAY CONSOLE UCB.
CI505	17.0	13985-P13941-IODASD	-GEN-FILEPROTECT ERR-INTRUPT AT LOGICAL END OF CYLINDER MAY CAUSE.
CI505	17.0	-P15648-IOTAPE	-GEN-IOERR-UNITCHK-AFTER RWU DUE TO MISSING DE CAUSED BY HARDWARE PROBLEM.
CI505	17.0	-P13968-LOOP	-CNTRLPROG -IEFSD300-IPL-WARMSTART-CAUSED BY I/O ERROR POSSIBLY
CI505	17.0	-P15381-LOOP	-CNTRLPROG -MFT/PCP-IPL-NIP-LOAD FAILURE CAUSES LOOP.
CI505	17.0	17074-P17495-LOOP	-CNTRLPROG-IDS-AVR-IF STARTING TAPE ATTACHED TO 2816 FROM A INT REQ. MSG.
CI505	17.0	-P18622-LOOP	-CNTRLPROG-MFT/PCP-ERROR NOT CORRECTED WHEN ACCEPT PERM.ERROR SPECIFIED
CI505	17.0	-P18843-LOOP	-CNTRLPROG-MFT/PCP-SCHED-CHKPT WITH PTF 14023 LOOPS IN IGC0206C
CI505	18.0	-P16959-LOOP	-CNTRLPROG-MFT/PCP-SCHED-IF USER SPEC INCORRECT LENGTH FOR WTO-MSG LOOP OCCURS
CI505	18.0	-P17821-LOOP	-CNTRLPROG-MFT/PCP-SCHED-RDR/INT DOES NOT CATCH JCL ERROR ON DCB PARM
CI505	17.0	CRCMV-P17641-LOOP	-CNTRLPROG-SCHED-THE SYSTEM GOES INTO LOOP WHEN TRYING TO PRINT THE SMBS
CI505	17.0	-P17427-MSG	-CNTRLPROG-SUPVSR-DUMP-CONSOLE MSG ABEND IABDUMP ERROR NO SHORT ABEND DUMP
CI505	17.0	-P16831-MSGIEA0001	-CNTRLPROG-SUPVSR-INVALID DELIMITER IN MSG, CODING ERROR IN IGE0025C
CI505	17.0	-P17537-MSGIEE003I	-CNTRLPROG-SCHED-THE SYNTAX CHECK IS INCORRECT ON START READER COMMAND
CI505	17.0	-P17087-MSGIEE905I	-CNTRLPROG-SCHED-IF START WTR TO A TAPE DEVICE CONTAINING CLASS A WTR GIVES MSG

REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST		0654	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
CI505	17.0	-P18191-MSGIEE905I	-CNTRLPROG-SCHED-IF START WTR IS ISSUED ON A TAPE DEVICE ON WHICH RDR IS CLOSED
CI505	17.0	-P15296-MSGIEF----	-CNTRLPROG-MFT/PCP-SCHED-MOUNT-SYSTEM WAITING FOR MOUNT OF TAPE FROM PREV JOB.
CI505	17.0	-P15335-MSGIEFG14I	-CNTRLPROG-MFT/PCP-SCHED-FLAG-ON SYSOUT-SHOULD ALSO PRINT MSGIEF4171 ON CONSOLE
CI505	17.0	17790-P17790-MSGIEF216I	-CNTRLPROG-SCHED-A CAT. DATA OF MORE THAN 20 VOL CAUSES INCORRECT LOCATE
CI505	17.0	-P17555-MSGIEF248I	-CNTRLPROG-SCHED-WHEN CREATING A NEW DATA SET ON DA RESERVED VOL,MSG IN ERROR
CI505	17.0	-P18161-MSGIEF250I	-CNTRLPROG-SCHED-WHEN PACK IS NOT MOUNTED,N OPTION IN PRESRES ENTRY,MSG APPEAR
CI505	17.0	-P18806-MSGIEF406I	-CNTRLPROG-MFT/PCP-NOT DOCUMENTED IN MSGS.AND CODES PUBLICATION
CI505	17.0	CIRCM-P15108-MSGIEF453I	-GEN-UTIL-IEHUCSLD-IF ERROR IN CONTROL CARDS.
CI505	17.0	-P17513-MSGIEF501A	-CNTRLPROG-SCHED-A PROG CHECK OCCURS WITH AVR WHEN NO STORAGE VOL EXISTS
CI505	17.0	17163-P17163-MSGIEF611I	-CNTRLPROG-SCHED-OVERRIDING EXEC CARD IN CAT PROC,IF NAME FIELD IS SAME,GET MSG
CI505	17.0	16525-P16525-MSGIEF622I	-CNTRLPROG-MFT/PCP-SCHED-ERRONEOUS & JOB TERMD WHEN OVERRIDING DD CARD IN PROC
CI505	17.0	-P17892-MSGIEU067	-CNTRLPROG-MFT/PCP-SUPVSR-IF LIST FORM OF ENQ WITH QNAME AND RNAME OMITTED
CI505	17.0	-P16670-WAIT	-CNTRLPROG-MFT/PCP-SCHED-IF DD CARD SPEC UNIT EQ AFF TO A DD DUMMY CARD
CI505	17.0	-P15296-WAIT	-CNTRLPROG-MFT/PCP-SCHED-MOUNT-SYSTEM WAITING FOR MOUNT OF TAPE ISSUED PREV JOB
CI505	17.0	13985-P15510-WAIT	-CNTRLPROG-MFT/PCP-SUPVSR-WHEN SYSRES GOES NOT RDY BECAUSE ERP SCHED FETCH
CI505	18.0	-P17645-WAIT	-CNTRLPROG-MVT-SUPRVS-FETCH ERROR IN SIRB FETCH CAUSES INCORRECT WAIT CODES
CI505	17.0	RESTR-P17256-WAIT	-CNTRLPROG-SCHED-A START WTR COMMAND HONORED TO AN OFFLINE DEVICE
CI505	17.0	-P18886-WAITF01	-CNTRLPROG-MFT/PCP-INTERVENTION REQ.SENSE AT DEVICE END HANDLED INCORRECTLY
CI505	17.0	-P17561-WAITF01	-CNTRLPROG-WTOR DOES NOT CHECK VALIDITY WHEN ECB ADDRESS IS PASSED TO POST
CI505	18.0	-P18501-WAITF03	-CNTRLPROG-MFT/PCP-SCHED-IF DS NAME SPEC.ON START RDR IS NOT ON THE TAPE
CI505	18.0	CIRCM-P10511-WAIT008	-CNTRLPROG -IEAANIP-IF ONE OF THE PACKS ON-LINE DOES NOT HAVE VOLUME LABEL
CI535	17.0	-P14997-ABENDOCX	-CNTRLPROG-MVT-SCHED-SYSOUT WTR-USING FORTRAN WRITE WITH IHO FMT & RECIM EQ VBA
CI535	17.0	CIRCM-P15239-ABENDOCX	-CNTRLPROG-MVT-SCHED-ALLOC-IF UNIT SYSDA,2311/2314, IN IEFDATA DD CARD.
CI535	18.0	-P13249-ABENDOCX	-CNTRLPROG-MVT-SCHED-LINK FIELD NOT ZERO INITIALLY CAUSING ABEND IN IEFSD081
CI535	17.0	-P17157-ABENDOCX	-CNTRLPROG-MVT-SUPVSR-IEWFETCH-IF PCI APPEND GETS CONTROL WHEN BUILDING CHAN PGM
CI535	17.0	CIRCM-P16018-ABENDOC6	-CNTRLPROG-MVT-SCHED-IF PARALELL MOUNT & UNIT AFFINITY USED WITH MULTI-VOL DS
CI535	17.0	15319-P15319-ABEND20A	-CNTRLPROG-MVT-SUPVSR-IEAQM01-IEFSD102 TRIES TO GET FREE SUBPOOLS
CI535	20.0	-P16531-ABEND213	-CNTRLPROG-SCHED-TRYING TO OPEN OR CLOSE JOBLIB DATA SETS,MAY CAUSE WAIT
CI535	18.0	-P17574-ABEND806	-CNTRLPROG-MVT-SUPVSR-ADDRESS OF BLDL RTN NOT IN REG 12
CI535	17.0	-P17334-CNTRLPROG	-MVT-GEN-CMD-FORMAT DISPLAYED ON 2250 DOES NOT AGREE WITH THOSE IN SRLC28-6540
CI535	17.0	-P17583-CNTRLPROG	-MVT-SCHED-ACCOUNTING INFO NOT ENTERED FROM EXEC STATEMENT, USING CERTAIN JCL
CI535	17.0	-P18428-CNTRLPROG	-MVT-SCHED-PARM FIELD PASSED DOES NOT HAVE INFO ALIGNED ON FULL WORD BOUNDARY
CI535	17.0	RESTR-P14080-CNTRLPROG	-MVT-SCHED-PRIORITY-DOES NOT HONOR SEP BETWN NON-SPECIFIC PUBLIC VOL DD STMTS
CI535	18.0	-P17618-CNTRLPROG	-MVT-SCHED-WHEN REG.OF 10K SPEC.FOR SYSOUT ALL BLOCKED SYSOUT IS LOST
CI535	17.0	-P18165-CNTRLPROG	-MVT-SUPVSR-TIMER MODULES USE INCORR CONSTANT IN COMPUTING TIME OTHR TIME UNITS
CI535	17.0	-P16011-DUMP	-ABDUMP-MVT-PRINTS AN AREA OF LOW CORE AS LAST DEB
CI535	17.0	-P16611-IOCONSOLE	-GEN-FAILS TO FUNCTION WHEN 2250 IS PRIME AND RDR/PTR IS ALT CONSOLE
CI535	17.0	-P16612-IOGRAPHICS	-GEN-IEECVOCG-FAILS TO ESTABLISH GRAPHICS ATTN INDEX IN JOB WHEN GIVING UP CTL
CI535	17.0	-P18119-LOOP	-CNTRLPROG-IDS-PROGRAM CHECK IN PROLOGUE TO ABTERM
CI535	17.0	CIRCM-P15239-LOOP	-CNTRLPROG-MVT-SCHED-ALLOC-IF UNIT EQ SYSDA,2311,2314, IN IEFDATA DD CARD.
CI535	17.0	-P16962-LOOP	-CNTRLPROG-MVT-SUPVSR-LOOP IN IEAQEM01 WHEN IEAQT33 ISSUED GETMAIN FOR SVRB
CI535	17.0	-P15984-LOOP	-CNTRLPROG-MVT-SUPVSR-PROGCK LOOP-REG8 OVERLAID BY ADDRESS OF REGMAIN.
CI535	17.0	-P17649-LOOP	-CNTRLPROG-SUPVSR-THE TCB IS MISREPRESENTED AT ENTRY TO ABEND LOAD 4
CI535	17.0	-P17657-MSG	-CNTRLPROG-SCHED-IF THE PARMS CAUSE MULTI DD CARDS,1ST OVERRIDE CARD IS WRONG
CI535	17.0	-P18727-MSGIEF250I	-CNTRLPROG-MVT-MSG.WHEN PRESRES ENTRY HAS NO MESSAGE OPTION
CI535	17.0	CRCMV-P18402-MSGIEF415I	-CNTRLPROG-MVT-SCHED-ERRON.MSG.IF QUEUE DEV.I/O ERROR OCCURS WHEN R/I PROC. JCL
CI535	17.0	17188-P17188-MSGIEF630I	-CNTRLPROG-MVT-SCHED-20 VOL SER NOS FOLLOWED BY DCB PARAMETER
CI535	17.0	CIRCM-P16935-WAITF0F	-CNTRLPROG-MVT-SCHED-IF IOERR WHEN FORMATTING JOB QUEUE
CI535	17.0	CRCMV-P18402-WAITF03	-CNTRLPROG-MVT-SCHED-IF QUEUE DEV.I/O ERROR OCCURS WHEN R/I PROC.INT.JCL
CI535	17.0	-P17648-WAITF03	-CNTRLPROG-MVT-SCHED-RETURN CODES FROM IEFQMVNC NOT HANDLED CORRECTLY
CI535	17.0	15764-P17371-WAITF03	-CNTRLPROG-MVT-SCHED-WITH PTF 15764 APPLIED AND AN I/O ERROR ENCOUNTERED
CI535	17.0	PRSTR-P18157-WAITF03	-CNTRLPROG-SCHED-COND.PARAMETER ON EXEC STATEMENT INCLUDES 8 TASK RETURN CODES
CI535	20.0	CRCMV-P16531-WAITF03	-CNTRLPROG-SCHED-TRYING TO OPEN OR CLOSE JOBLIB DATA SETS,MAY CAUSE WAIT
CO503	17.0	CRCMV-P17719-ABEND	-CBL-E-EXEC-IEPAS100-TOO MANY LITERALS CAUSE ABEND IN AS1 AND PMG IN SMALL CORE
CO503	17.0	-P17917-ABENDOC4	-CBL-E-EXEC-IEPPG900-BAD CODE GENERATED FOR AN EXAMINE STATEMENT
CO503	17.0	-P18613-ABENDOC6	-CBL-E-CMPL-IEPLST00-WHEN EXAMINE TALLYING UNTIL FOLLOWED BY PERF.VARY.UNTIL
CO503	17.0	-P16019-CBL-E-CMPL	-CODE-BAD CODE GENERATED ON AN ACCEPT FROM CONSOLE STATEMENT

REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0654 68250

CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
C0503	17.0	-P18698-CBL-E-EXEC	-CODE-COM-BAD CODE WITH A FIGCON AND DATA ITEM LARGER THAN 256
C0503	17.0	CRCMV-P13183-CBL-E-EXEC	-CODE-MULT/DIVIDE-FLOAT-POINT-IF NUMBER IS FIXED PT AND RESULT FLD COMP 2
C0503	17.0	-P15907-CBL-E-EXEC	-CODE-REDEFINES-DATANAME2 SUBORD TO ELEMENT CONTAINING-OCCURS-CLAUSE.NO MSG.
C0503	17.0	-P18982-CBL-E-EXEC	-GEN-BAD ASSEMBLER CODING IN IHD01700 LIBRARY
C0503	17.0	-P18651-CBL-E-EXEC	-GEN-LOCATION COUNTER IN STORAGE SECTION DOES NOT GO PAST 4095
C0503	17.0	CRCMV-P14632-MSG	-CBL-E-EXEC-QUALIFIED DATA-NAME GIVES PROBLEM IF IN A NOTE STATEMENT
C0503	17.0	-P18164-MSGIEP569I	-CBL-E-EXEC-IEPPS300-IF LAST IDENTIFIER IS A FIGURATIVE CONSTANT (SPACE)
CQ513	17.0	-P16399-ABENDOC5	-TP-BTAM-IGG0193M-WHEN OPENING LINE GROUP WITH MORE THAN 4 LINES
CQ513	17.0	-P17695-ABEND200	-TP-BTAM-RD RESP OR WRITE INITIAL TO 2740 ON A DIAL NETWORK TIMES OUT
CQ513	18.0	-P17660-IO	-IOTP-TP-BTAM-INCORRECT RETURN CODES RETURNED BY REQBUF AND RELBUF
CQ513	17.0	-P15846-IOTP-BTAM	-GEN-ERP-INVALID CCW BUILD BY MODULE IGE0304B
CQ513	17.0	-P15787-IOTP-BTAM	-GEN-MSGS-CHARACTERS LOST-DIAL2740-WITH CHECKING. -BID- KEY DEPRESSED.
CQ513	17.0	-P15168-IOTP-BTAM	-GEN-RECMISS-IGG019MT,MO. DATA ENTERED BEFORE READ INITIAL GVN TO TERMINAL
CQ513	17.0	-P17107-IOTP-BTAM	-GEN-WRITE CIRCLE D CCW IS OMITTED BY BTAM DEVICE IO MODULES IGG019M2,019M2
CQ513	18.0	-P17373-IOTP-BTAM	-TP-BTAM-DCB MACRO GENERATES INCORRECT BISYNCH DEVICE INTERFACE
CQ513	18.0	-P18280-IOTP-BTAM	-TP-BTAM-IGG019MS-AND INSTRUCTION TO CLEAR LINK FIELD CONTAINS IMPROPER COUNT
CQ513	17.0	-P15164-LOOP	-CNTRLPRG-MFT/PCP-SVPSR-PROLOG-CAUSED BY MOD IGG019MC HANDLING PCI INT WRONG
CQ513	18.0	-P17534-TP-BTAM	-CODE-COUNT-2 INSERTED INTO WRITE NAK CCW IN ERP
CQ513	18.0	-P17533-TP-BTAM	-CODE-OPEN-GIVING A 1050 DEVICE I/O MODULE INSTEAD OF TWX
CQ513	17.0	-P15066-TP-BTAM	-CODE-RESETPL-MACRO FAILS TO TEST FOR PREPARE CMD ON 2740 & DOESNT ISSUE IOHALT
CQ513	17.0	-P15837-WAIT	-TP-BTAM-IGG0203M-WHEN RESTARTING BTAM JOB THAT HAD BEEN CANCELLED
CQ519	18.0	16928-P16928-ABEND0A3	-TP-QTAM-IGG019NG-AVAILABLE BUFFER QUEUE POINTS TO BUFFER THAT LINKS TO ITSELF
CQ519	18.0	-P17781-IO	-IOTP-TP-QTAM-USING AUTO POLL FEATURE NO ERROR RETRY ON UNIT EXCEPTION
CQ519	18.0	-P18520-IOTP-QTAM	-TP-QTAM-CHECK REQUEST FLAGS ARE SET WHEN CHECKPOINT IS NOT SPECIFIED
CQ519	18.0	18252-P17829-IOTP-QTAM	-TP-QTAM-THE QFAC FIELD IN THE QCB IS NOT PROPERLY INITIALIZED
CQ519	18.0	18252-P18252-LOOP	-IOTP-QTAM-IGG0193T-QFAC FIELD OF A QCB IS SET ERRONEOUSLY
CQ519	18.0	17487-P17487-LOOP	-TP-QTAM-IGG019NF-MSG.CONTROL PROG WAITING FOR BUFFERS NOT BEING REUSED
CQ519	18.0	-P17543-TP-QTAM	-MSG-ON RESTART SUPL.SEQ.OUT NOS.ASSIGNED TO MSGS.NOT SERVICED PREVIOUSLY
CQ519	18.0	18252-P17394-TP-QTAM	-MSGMISS-AFTER RESTART, MSGS.NOT SENT FROM TERMS.OPENED FOR OUTPUT ONLY
CQ519	18.0	-P16500-TP-QTAM	-MSGMISS-MSG SENT TO CPU IN CONVERSE MODE IS NOT BEING SENT BACK TO TERMINAL
DM508	17.0	-P16059-ABEND	-CNTRLPRG-DATAMGMT-REOPEN.QSAM DCB WITHOUT PREV.ISSUING A FREEPool
DM508	18.0	-P15576-ABENDB37	-CNTRLPRG-MFT/PCP-DATAMGMT-WHEN USING CONCAT.DS WITH UNIT AFFINITY
DM508	17.0	-P17886-ABENDF37	-CNTRLPRG-MFT/PCP-DATAMGMT-CREATING A BDAM DS ON 2321 WITH MORE THAN 5 VOLTS.
DM508	17.0	-P16486-ABENDOC4	-CNTRLPRG-MVT-DATAMGMT-SYNADAF-GETMAIN REQUESTS SP252 WHICH HAS PROTECT KEY 0
DM508	17.0	-P16522-ABENDOC5	-GEN-IOTAPE-IGG0550N-WHEN CONCAT INPUT DS ON TAPES WITH NO LABELS
DM508	17.0	-P17925-ABENDOC6	-CNTRLPRG-DATAMGMT-OUT OF SPACE DETECTED AFTER CLOSE AND SYNAD WAS TAKEN
DM508	17.0	-P17130-ABENDOC6	-CNTRLPRG-DATAMGMT-RENAMING A PASSWORD PROTECTED DATA SET
DM508	17.0	-P16367-ABENDOF1	-GEN-IOTAPE-IGG019CJ-IF CMD SEQUENCE IS WRITE,WRITE,WRITE,BACKSPACE,BACKSPACE.
DM508	17.0	-P17091-ABEND001	-CNTRLPRG-DATAMGMT-USING 7 BUFFERS WITH QSAM UPDATE AND 1ST BUFF.PARTLY FILLED
DM508	17.0	-P17762-ABEND004	-CNTRLPRG-DATAMGMT-RENAME FAILS TO ISSUE MNT. MSG.WHEN 2314 UCB PASSED IN REGO
DM508	17.0	-P15100-ABEND213	-CNTRLPRG-DATAMGMT-OPENING A DATA SET WHICH HAS A DSCB ABOVE TK 9 IN 2314 VTOC
DM508	17.0	-P17139-ABEND213	-CNTRLPRG-MFT/PCP-DATAMGMT-WHEN OPEN PASSWD PROT DS AND JOBQ NOT ON SYSRES DEV
DM508	17.0	-P16550-CNTRLPRG	-MFT/PCP-DATAMGMT-CHAIN SCHED, AN INVALID TEST BEING MADE FOR CH 9 ON PRINTER
DM508	17.0	-P17190-CNTRLPRG	-MFT/PCP-DATAMGMT-EOV GIVES INCORR MODE SET IN DEB CAUSNG NSL TO WR INCORR LABL
DM508	17.0	-P17948-CNTRLPRG	-MFT/PCP-DATAMGMT-IGG019CD-DUPLICATE CODE IN MODULE
DM508	18.0	CRCMV-P17217-CNTRLPRG	-MFT/PCP-DATAMGMT-IGG0196D-ALLOWS TRACK BALANCE TO BECOME NEGATIVE
DM508	17.0	-P18060-CNTRLPRG	-MFT/PCP-DATAMGMT-ISSUING FE0V TO TAPE WITH DISP EQ KEEP,TAPE EXEC A FSF
DM508	17.0	-P17548-CNTRLPRG	-MFT/PCP-DATAMGMT-PARTIAL REL OVERLAYS JFCB MASK IND A NULL DS TO IGG0200Y
DM508	17.0	-P18113-CNTRLPRG	-MFT/PCP-DATAMGMT-SPACE CHAR NOT CORR TRANSLATD FOR BORROUGHS PAPERTAPE CODE
DM508	17.0	PUBCH-P18572-CNTRLPRG	-MFT/PCP-DATAMGMT-STANDARD USER LABELS NOT DOCUMENTED IN SRL
DM508	17.0	16787-P16787-CNTRLPRG	-MFT/PCP-DATAMGMT-WHEN LAST FORM5 DSCD COLLAPS,EXTENTS IN PRECEDNG FORM5 LOST
DM508	17.0	-P16918-CNTRLPRG	-MFT/PCP-DATAMGMT-77 BYTE LOGNG FLD OF PASSWRD DS PASSD WITH DS AT WR CNTR TIM
DM508	17.0	-P17711-CNTRLPRG	-MFT/PCP/MVT-DATAMGMT-IF INVALID CONT.OP.SPECIFIED,CNTRL MACRO ASM.W/OUT DIAG.
DM508	17.0	17895-P17895-CNTRLPRG	-MVT-DATAMGMT-OPEN DS WITH CHAIN SCHED AND IN/OUT SPEC,INCORR CHAN PROG CREATED
DM508	17.0	CIRCM-P13799-IO	-GEN-CATALOG-IGG0CLC3-WHEN CATALOG FULL,ATTEMPT TO CATAL OS OVERLAYS ORIGINAL
DM508	17.0	CIRCM-P13549-IO	-GEN-CODE-DCB PARAMETERS -ERRDPTQ- & -DSORGE0DA- NOT MNOTED WHN SPECIF WRONG
DM508	17.0	-P14666-IODASD-BDAM	-GEN-EOV-MBBCHHR NOT UPDATED WHEN PRIMING BFRS IN MULTIVOL -DA- FILE.

REL-17.0-THRU-20.0 DS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST		0654	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.	
DM508	17.0	-P17321-iodasd-isam	-GEN-IF DS OPENED FOR LOAD MODE W/OUT SPEC.OUTPUT,FMAT 1 DSCB INCOMPLETE
DM508	17.0	-P17192-IOPAPTAPE	-GEN-IGG019CN-DOES NOT TRANSLATE USACII CHARS CORRECTLY.
DM508	17.0	CIRCM-P10842-IOTAPE	-GEN-IOERR-SHORT BLOCKS LT 18BYTES ARE TREATED AS NOISE REC IF ERROR OCCURS
DM508	17.0	-P16592-IOTAPE	-GEN-LABEL-NO 914 ABEND WHEN USER ATTEMPTS TO WRITE UNSUPPORTED LABELS
DM508	17.0	-P16738-IOTAPE	-MFT/PCP/MVT-DATAMGMT-TAPE APPEARS TO RUN AWAY WHEN 2ND REEL CONCAT & BLP SPECI
DM508	17.0	17816-P17816-LOOP	-CNTRLPRG-DATAMGMT-TRK OVFLW DS OPEN FOR INOUT CAUSE CMD REJECT FOR INVAL.SEQ.
DM508	17.0	-P16508-LOOP	-CNTRLPRG-DATAMGMT-WHEN USING OBTAIN TO THE SORTIN WHICH IS ON SYS INPUT DEV.
DM508	17.0	-P15752-MSGIEA108I	-GEN-iodasd-WHEN ATTEMPTING TO BUILD MORE THAN 9 TRKS OF MODEL DSCBS
DM508	17.0	-P16907-MSGIHC218I	-CNTRLPRG-DATAMGMT-USING BSAM AND CHAIN SCHED,CROSSING AN EXTENT GIVES ERROR
DM508	17.0	-P15741-WAIT	-CNTRLPRG-DATAMGMT-IF A WAIT IS ISSUED AFTER A READ OF A DUMMY DATA SET
DM508	17.0	-P16912-WAIT	-CNTRLPRG-DATAMGMT-USING CHAINED SCHED ON PRINTER GOES INTO WAIT DURING EXEC.
DM509	17.0	-P16681-ABENDOC4	-GEN-IO-BDAM-WRITE ADD WITH EXTENDED SEARCH OPTION
DM509	17.0	-P18527-iodasd-bdam	-GEN-PENDING READ REQUESTS ARE NOT ALL SUPPLIED WITH UPDATED BLOCK
DM509	17.0	-P17552-MSGIHE131I	-GEN-iodasd-bdam-ATTEMPT TO DO WRITE ADD TO DS WHERE TRK OVFLW IS PRESENT
DN528	17.0	-P17885-CNTRLPRG	-EREP-IFBSR150-HJN OF MODULE AND HJN OF MICROFICHE DO NOT AGREE
DN533	17.0	-P15823-WAIT	-OLTEP-FAILED TO ARM TAPE UNITS VARIED OFFLINE-BEING WORKED ON BY CE
ED510	17.0	-P17378-LKED-E	-GEN-BUFFERS OBTAINED FOR SOME DS DUE TO MERGE OF JFCB AND DCB
ED510	17.0	16420-P16420-LKED-E	-GEN-CONDITION CODE NOT PROPER PASSED WHEN NAME CARD USED
FO092	17.0	CRCMV-P16949-FOR-E-CMPL	-GEN-IF OUTER PARENS ARE OMITTED FROM IT EXPRESSION, FAILS TO DIAGNOSE ERROR
FO092	17.0	-P15071-FOR-E-CMPL	-GEN-LINECOUNT-DOES NOT PROVIDE LINE COUNT OPTION.
FO092	18.0	-P16722-MSGJ068I	-FOR-E-EXEC-MSG PRODUCED FOR A REAL CONSTANT
FO500	17.0	CIRCM-P17420-ABEND	-FOR-H-EXEC-IEKKOP-VARBLER-APPEARANCE OF UNARY MINUS PREFIXING CMLX VARIABLE
FO500	17.0	CRCMV-P17563-ABENDOC1	-FOR-H-EXEC-IEKSBS-CALL-BRANCH TO LOC.FOLLOWING 1ST OCCUR. OF I/O LIST ITEM
FO500	17.0	-P16321-ABENDOC4	-FOR-H-EXEC-IEKRGB-INCORR.CODE GEN. AS PHASE 20 INSERTS TXT ENTRIES INCORRECTLY
FO500	17.0	CRCMV-P17224-ABENDOC4	-FOR-H-EXEC-IEK1/CS-PREALLOC. DS CANNOT BE REFER. ON SYSUT2 CARD XREF
FO500	17.0	CRCMV-P17725-ABENDOC5	-FOR-H-EXEC-IEKRSS-SUB PRG OR MAY CAUSE BASE REG. TO BE DESTROYED
FO500	17.0	CRCMV-P17799-ABENDOC6	-FOR-H-EXEC-IEKGCZ-IF COMPILING WITHOUT LIST OPTION
FO500	17.0	-P17000-ABEND80A	-FOR-H-CMPL-IEKAA00-CMPLR DOESNT ISSUE FREEMAIN BEFORE GOING TO FIOCS TO CLOSE
FO500	17.0	CRCMV-P17243-FOR-H-CMPL	-DECK-XREF-BAD CODE GENERATED FOR REFERENCE
FO500	17.0	-P16961-FOR-H-CMPL	-GEN-INCORR.NESTED DO LOOPS NOT BEING FLAGGED
FO500	17.0	-P17385-FOR-H-CMPL	-GEN-NAME USED AS VARBLE AND THEN AS FUNCTION,NOT FLAGGED
FO500	17.0	-P16721-FOR-H-CMPL	-GEN-USING DECK OPT.,COMP.DELETED TERM MAY CAUSE INCORRECT PUNCHED OUTPUT
FO500	17.0	-P16938-FOR-H-EXEC	-CODE-COM-OPT EQ2-COMP MAY ATTEMPT TO USE NON-EXIST.FLOATING POINT REGISTER
FO500	17.0	17101-P17101-FOR-H-EXEC	-CODE-DO-IN I/O LIST WHEN LEFT PAREN FOLLOWS ANOTHER DELIMITER
FO500	17.0	CIRCM-P16408-FOR-H-EXEC	-GEN-CONCATENATION -IERFIOCS-CANT HANDLE DS WITH UNLIKE ATTRIBUTES
FO500	17.0	-P16700-FOR-H-EXEC	-GEN-IEKGDA-EACH DATA ITEM MAY BE PUNCHED ON A SEPARATE CARD
FO500	17.0	CRCMV-P17529-FOR-H-EXEC	-GEN-OPT EQ2-INCORR.DISP FOR HANDLING ERRON.VARBLE RETURN FROM SUBRTNE
FO500	17.0	CRCMV-P17536-FOR-H-EXEC	-OPT EQ 0-COMPILER MAY USE INCORR.BASE REG.IN THE AMOD AND DMOD IF 2ND ARGU.COM
FO500	18.0	CRCMV-P17057-FOR-H-EXEC	-OPT EQ 2-B BLOCK IN AN END OR ERR PARAMETER WILL CAUSE BAD BRANCHING
FO500	17.0	-P16469-FOR-H-EXEC	-OPT EQ0-BAD CODE GEN.WHEN PROCESSING DOUBLE LENGTH COMPLEX NUMBERS
FO500	17.0	CRCMV-P17113-FOR-H-EXEC	-OPT EQ1-MISSING OUTPUT RCDS BECAUSE OF FAILURE TO GEN.FINAL BAL INSTR.IN CALL
FO500	17.0	16408-P16408-IO	-FORH-CONCATENATION-IERFIOCS-CANT HANDLE DATA SETS WITH UNLIKE ATTRIBUTES
FO500	17.0	CRCMV-P17570-MSGC210I	-FOR-H-COMP-INCORRECT PROCESSING OF TEMPORARIES,COMPILING LONG SOURCE STATEMENT
FO500	17.0	-P18051-MSGIEK006I	-FOR-H-EXEC-IF AN ERROR IS IN VALUE TO BE ADDED,NEXT LABEL FLAGGED IN ERROR
FO500	17.0	-P17658-MSGIEK046I	-FOR-H-EXEC-PRINTED INCORRECT,UNDOCUMENTED AND MISLEADING MSG
FO500	17.0	CRCMV-P17890-MSGIEK149I	-FOR-H-EXEC-IEKCS-ARRAYS WITH ADJ. DIMENSIONS WILL BE FLAGGED,IF DIMENSIONED
FO520	17.0	-P16364-ABENDOC5	-FOR-G-EXEC-IEYPAR-IF ARRAY IS REF BY AN INCORRECT NR OF SUBSCPT QTYS & 1 IS DO
FO520	17.0	-P17292-FOR-G-CMPL	-GEN-WHEN STMT.NO.CONSISTS OF 5 DIGITS ONLY 4 PRINTED IN OBJ.MODULE LISTING
FO520	17.0	CIRCM-P16588-FOR-G-EXEC	-CODE-ARRAY-IF ARRAY REFERENCED IN DO LOOP
FO520	17.0	CRCMV-P17572-FOR-G-EXEC	-GEN-IF PRODUCT IS DBLE CMLX NO.AND REAL NO.,INCORRECT CODE MAY BE GENERATED
FO520	17.0	CRCMV-P14939-MSG	-FOR-G-CMPL-SYNTAX ERR MSG-NUMB OF VALUES FOR ARRAY GRTR THAN NUMB OF ARRAYS
IO523	17.0	-P16999-WAIT	-GEN-IOGRAPHICS-IGC0007E-ADDR OF IRB DESTROYED-CAUSES SVC NEW PSW TO BE OVLAYD
IO526	17.0	-P18218-ABEND099	-GEN-iodasd-isam-I/O ERRORS WHILE PADDING OUT HIGH LEVEL INDEXES
IO526	17.0	CRCMV-P18106-ABEND301	-GEN-IO-ISAM-BISAM-WHEN ECB INVOLVED IN A MULTIPLE WAIT
IO526	18.0	CRCMV-P17332-iodasd-isam	-BISAM-WRITE-LOSS OF RECORD ATTEMPT.TO DO WKN WITH INSUFF.SPACE IN DS
IO526	17.0	-P16823-iodasd-isam	-GEN-BISAM-UNRBLK--WHEN ADDING REC WITH A KEY HIGHER THAN AN EXISTING KEY
IO526	17.0	-P17516-iodasd-isam	-GEN-MAY NOT ALWAYS DETECTA BAD SEEK,BUT MAY RETURN INCORR.ERROR INDICATION

REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0654 68250

CMPNT-	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
IO526	17.0	-P18746-IODASD-ISAM -GEN-NO RCD FOUND INDIC.NOT GIVEN WHEN SETL ISSUED FOLLOWED BY GET
IO526	17.0	CIRCM-P15116-IODASD-ISAM -GEN-QISAM-RECMISS-DURING SCAN USING SHARED TRACK,RECS LOST.
IO526	17.0	-P18097-IODASD-ISAM -GEN-3 LEVELS OF MASTER INDICES GIVEN WHEN NTM LEFT OUT AND MASTER IND.SPEC.
IO526	17.0	-P15924-LOOP -GEN-IO-ISAM-QISAM APPEND FAILED TO HOUSEKEEP IOB ACROSS A RETURN
IO526	18.0	-P18004-LOOP -GEN-IODASD-ISAM-WHEN ABEND CLOSES A DATA SET
IO526	17.0	-P16665-WAIT -GEN-IODASD-ISAM-IF ABEND TRIES TO CLOSE AN ISAM DATA SET
LM501	17.0	-P16087-FOR-'-LIB -CODE-FORMAT-F,E,D-FAILS TO DETECT EMBEDDED DECIMAL PT & SIGN
LM501	17.0	-P16002-FOR-'-LIB -CODE-FORMAT-T-CAUSES V OR U RECS TO BE WRITN AS MAX LENGTH SPEC BY BLKSIZE
LM501	18.0	-P17447-FOR-'-LIB -GEN-FLOATING POINT ZERO SOMETIMES PRINTED AS -0.0
LM501	17.0	-P18303-FOR-'-LIB -GEN-IMAG.PART OF ANS.FOR CLOG(XPLUS IY)WAS PLUS P1,DOC.SAYS SHOULD BE -P1
LM501	17.0	-P14993-IO -FORG-RECS-IF IMMEDIATE OUTPUT DEVICE NOT PTR,CC CHAR WRITTEN INCRCT
LM501	17.0	-P14552-IORDR -GEN-CODE-READ-PUNCHED RECS CANT READ AS VARBLELENGTH,MUST RD UNDER FORMAT.
LM501	17.0	-P14754-MSGIHC222I -FOR-G-EXEC-ERRONEOUS- IF NAMELIST INPUT INCLUDES VAR OR ARRAY WITH DOLLAR SIGN
LM501	17.0	-P14993-MSGIHF314I -FOR-G-EXEC-MVT-OUTPUT WRTR TERMINATE SEG SHORT FOR -VBA- OR -VBM-
LM512	17.0	CRCMV-P18041-MSGIHE140I -IOGRAPHICS-MSG WHEN USING GET DATA FROM A NULL RECORD
LM512	17.0	-P16761-PL1-F-EXEC -CODE-ENDPAGE-DIFFERENCES OCCUR WHEN SIGNALLED ON AND WHEN RAISED NORMALLY
LM512	17.0	-P15367-PL1-F-EXEC -CODE-PICTURE-IF BAD DATA ENTRD INTO VARBLE DECLARD WITH PIC ENDING IN T,I OR R
LM532	17.0	-P15605-ALG-EXEC -GEN-NO DIAGNOSTIC GIVEN IF PARM IN CALL PROCEDURE IS AN ARRAY IDENTIFIER
LM532	17.0	-P15875-IO -ALG-RECMISS-UNITREC DEVICE,OUTPUT RECS LOST IF -BLOCKED- SPECIFIED.
LM537	17.0	-P17172-IOGRAPHICS -GEN-AN ATTN INTRPT ON INACTIVE DS CAUSES ALL ATTNs THERE-AFTER TO BE LOST
NL511	17.0	CIRCM-P15965-ABEND -PL1-F-CMPL-IEMEP/IEMFX/IEMIA-BAD DICTIIONRY&TEXT BLKS PROCESSNG -CALL- STMT.
NL511	17.0	CIRCM-P15853-ABENDOCX -PL1-F-CMPL-RAN OUT OF CORE.XREF PL1-F-EXEC-CODE-APAR 15853.
NL511	17.0	CRCMV-P16775-ABENDOC5 -PL1-F-CMPL-IEMOS-HANDLING OF DICTIONARY SPILL MAY RESULT IN ERROR
NL511	17.0	CIRCM-P16913-LOOP -PL1-F-CMPL-IEMCO-WHEN ON STMT IS USED AS THEN CLAUSE
NL511	18.0	-P16771-MSG -PL1-F-EXEC-CODE-NO DIAGNOSTIC PRODUCED
NL511	17.0	CIRCM-P15793-MSGIEM0596I -PL1-F-CMPL-CODE-STRUCTURE DESCRIPTION USING -LIKE- ATTRIBUTES.
NL511	17.0	-P17173-MSGIEM1028I -PL1-F-CMPL-FLAG-WHEN USING INITIAL CALL WITHOUT ARGUMENT LIST
NL511	17.0	CRCMV-P17771-MSGIEM1056I -PL1-F-EXEC-WHEN NUMERIC PICTURE USED AS 1ST ARGU.TO BUILT-IN FUNCT.ROUND
NL511	17.0	CIRCM-P16037-MSGIEM1802 -PL1-F-CMPL-ARRAY-NR ELEMENTS GT 65535,LWR BOUND IS ZERO,OR, GT 1.
NL511	17.0	CIRCM-P17276-MSGIEM2707I -PL1-F-CMPL-IF INDEX FUNCTION USED AFTER SUBSTR STMT WITH 1ST ARG NON-ADJUSTABL
NL511	17.0	CIRCM-P15790-MSGIEM2707I -PL1-F-CMPL-INDEX FUNCTION USED.
NL511	17.0	-P12514-MSGIEM3825I -PL1-F-CMPL-FLAG-IF UNINITIALIZED COMPILE TIME VARIABLE IS 1ST ARG TO SUBSTRING
NL511	17.0	-P16745-MSGIEM3852I -PL1-F-CMPL-FLAG-IF CONSTANT 2ND ARG OF BUILD-IN FUNCTION SUBSTR GT 1ST-ARG LTH
NL511	17.0	-P17173-MSGIEM3852I -PL1-F-CMPL-FLAG-WHEN USING INITIAL CALL WITHOUT ARGUMENT LIST
NL511	17.0	CRCMV-P17176-MSGIEM3852I -PL1-F-CMPL-IF AN ASSIGNMENT STATEMENT INVOLVING DIFFERENT STRUCTURING GIVE MSG
NL511	17.0	CRCMV-P16783-MSGIEM3852I -PL1-F-CMPL-WHEN LABEL IS DECLARED WITH VALUE LIST AND IS UNUSED IN GO TO STMT
NL511	17.0	CIRCM-P16770-MSGIEM3856I -PL1-F-CMPL-WHEN LARGE CONTROLLED ARRAY IS INITIALIZED ON ALLOCATION
NL511	17.0	-P18276-MSGIEM3856I -PL1-F-EXEC-IEMGP-WHEN ERRONEOUS ARGUMENT IS PASSED TO ENTRY POINT
NL511	17.0	CRCMV-P18042-MSGIEM3856I -PL1-F-EXEC-IEMPP-TEXT HANDLING ERROR MAY CAUSE ERROR MSG
NL511	17.0	-P17259-MSGIEM3889I -PL1-F-CMPL-FLAG-INCORRECT TEXT IN MESSAGES IEM3889I TO IEM3895I
NL511	17.0	CRCMV-P16781-MSGIHE800I -PL1-F-EXEC-WHEN STATIC STRU.CONTAINS BIT STRING ARRAY LNPTH NOT MULTIPLE OF 8
NL511	17.0	-P18519-PL1-F-EXEC -GEN-NO ERROR MSG FOR SCALAR BY NAME ASSIGNMENT TO STRUCTURE
NL511	17.0	CRCMV-P18011-PL1-F-EXEC -GEN-INCORRECT EXECUTION WHEN FIRST ARG. SUBSTR IS BIT AND SECOND IS CONSTANT
NL511	17.0	-P14893-PL1-F-EXEC -CODE -ARRAY ASSIGN.IN I/O LIST,ELEMENTS NOT THOSE IMPLIED BY ASSIGNMENT
NL511	17.0	CIRCM-P14885-PL1-F-EXEC -CODE-ARRAY-CHARSTRING ARRAY HAS INCRCT MULTIPLIER IF DEFINE ON BITSTRING ARRAY
NL511	17.0	CIRCM-P14887-PL1-F-EXEC -CODE-ARRAY-CHARSTRING DEFINED-BIT OFFSET INCRCT IN-SDV-FOR BITSTRING ELEMENT
NL511	17.0	CIRCM-P15853-PL1-F-EXEC -CODE-ARRAY-COMPLEX W FIXD DIMENS,RESERVES TWICE NEEDED AMOUNT CORE STG.
NL511	17.0	CIRCM-P15896-PL1-F-EXEC -CODE-ARRAY/STRUCTURE/STRING-DEFINED ON STATIC BASE,NEEDING DOPE VECTOR.
NL511	17.0	CIRCM-P16465-PL1-F-EXEC -CODE-CONVERSION-ERRORS WHEN PGM CONTAINS PROCEDURE WHICH RETURNS TO GT TYPDATA
NL511	17.0	-P16710-PL1-F-EXEC -CODE-DECLARE-FOR EXT FILE FOLLOWS ANOTHER FILE DECLARATION-ATTRIBUTES ARE MIXD
NL511	17.0	CIRCM-P16210-PL1-F-EXEC -CODE-EXPRESSN-MANY FLOAT TEMP RESULTS REQD.FLOAT REGS CAUSE UNPREDCTBLE ERR.
NL511	17.0	CIRCM-P14882-PL1-F-EXEC -CODE-INDEX-BUILTIN FUNCTION/INDEX/. ZERO VALUE RETURNED ERRONEOUSLY.
NL511	17.0	CIRCM-P14876-PL1-F-EXEC -CODE-PACKED DECIMAL FIELD FAIL TO CHANGE SIGN PORTION CONTAIN HEX E OR F
NL511	17.0	-P16691-PL1-F-EXEC -CODE-SUBSCRIPTED LABEL PREFIX-WHEN BLOCK CONTAINS MULTIPLE DEFINITIONS
PROSE	17.0	-X16051-ABENDF03 -IPL-DISPLAY A,R,Q,OR N MAY RESULT IN F03
PROSE	17.0	-X16051-ABENDF03 -IPL-DISPLAY A,R,Q,OR N MAY RESULT IN F03
PROSE	17.0	-X16041-ABENDF13 -IOTAPE-ERROR MSG OR F13 IF STEP RECIEVING TAPE D S AS MOD AND NO VOL SER GIVEN

		REL-17.0-THRU-20.0 DS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST	0654	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.		
PROSE	17.0	-X16005-ABENDF2D	-IOTP-BTAM-PCP/MFT W/O ASYNCHRONOUS EXIT EFFECTOR USING ONLINE TERMINAL TEST	
PROSE	17.0	-X16060-ABENDF44	-SYSGEN-I/O ERROR REQUESTING SVC68 OCCURRED ON STARTER SYSTEM.	
PROSE	17.0	-X16038-ABENDUSER20	-ASM-F-ASSY-MISSING DD CARD FOR SYSIN,SYSLIB,YSUT1,2,OR 3. ALSO PERM I/O ERROR	
PROSE	17.0	-X16038-ABENDUSER20	-ASM-F-ASSY-MISSING DD CARD FOR SYSIN,SYSLIB,YSUT1,2,OR 3. ALSO PERM I/O ERROR	
PROSE	17.0	-X16050-ABENDOB0	-GJP-GFX-IF SECOND START GFX ENTERED IT MAY ABEND AFTER MSG START GFX IGNORED	
PROSE	17.0	-X16050-ABENDOB0	-GJP-GFX-IF SECOND START GFX ENTERED IT MAY ABEND AFTER MSG START GFX IGNORED	
PROSE	17.0	-X16062-ABENDOCX	-IOTP-QTAM-IF DIAL TERMINAL ACTIVE AND USED FOR ONLINE TEST MESSAGE SWITCHING	
PROSE	17.0	-X16004-ABENDOC6	-UTIL-UPDTE-MFT/MVT UPDTE CONTROL CARD AND JCL AS DATA AFTER SYSIN DD *	
PROSE	17.0	-X16004-ABENDOC6	-UTIL-UPDTE-MFT/MVT UPDTE CONTROL CARD AND JCL AS DATA AFTER SYSIN DD *	
PROSE	17.0	TREST-X12172-ABENDOF2	-GEN-IO-ISAM-IF LAST DD CARD IS ISAM DATA SET	
PROSE	17.0	-X16025-ABEND222	-CNTRLPROG-AFTER MESSAGE IEE301I OR IEF425I 222 ABEND SHOULD BE 422 ABEND	
PROSE	17.0	-X15045-ABEND420	-CNTRLPROG-IN MFT,A COMPLETION CODE OF 420 INDICATES INSUFFICIENT JOBQ SPACE.	
PROSE	17.0	-X15045-ABEND420	CNTRL-PROG-IN MFT,A COMPLETION CODE OF 420 INDICATES INSUFFICIENT JOBQ SPACE.	
PROSE	18.0	-X16042-ABEND613	-IOTAPE-MULTIVOLUME TAPE D S RECIEVED AS MOD WILL CAUSE 613 IF NO VOL SER GIVEN	
PROSE	17.0	-X16056-CNTRLPROG	-IOTAPE-PERM READ ERROR ON VOL1 OF SL TAPE MAY CAUSE ACCEPTANCE AS NL TAPE	
PROSE	17.0	TREST-X12089-CNTRLPROG	-MFT/PCP-DATAMGMT-NO RETAIN MSG ISSUED IF MORE VOL S USED THAN ALLOC-DISP EQ PAS	
PROSE	17.0	-X15009-CNTRLPROG	-MFT/PCP-DEFINE COMMAND MAY NOT TAKE EFFECT IF WRITER IS ACTIVE. GIVE STOP WRTR	
PROSE	17.0	-X15044-CNTRLPROG	-MFT/PCP-IF PRIORITY OF JOB IS RESET TO ZERO,IT WILL ASSUME ORIGINAL PRIORITY.	
PROSE	17.0	-X15026-CNTRLPROG	-MFT/PCP-JOB WILL NOT EXECUTE IF START RDR COMMAND INCLUDES JOBNAME GT 8 CHARA.	
PROSE	17.0	TREST-X12087-CNTRLPROG	-MFT/PCP-SCHED-2ND DD STMT CANT REF VOL OF MULTIVOL DS	
PROSE	17.0	-X15041-CNTRLPROG	-MFT/PCP-WHEN CANCELLING A JOB, THE ENTIRE JOBNAME MUST BE ENTERED.	
PROSE	17.0	-X16007-CNTRLPROG	-PARTITION DEFINITION REPLY SCANNED ONLY TO FIRST BLANK. USE COMMAS TO SEPARATE	
PROSE	17.0	-X16039-CNTRLPROG	-PROCEED LIGHT STAYS ON AFTER CORRECTION OF MESSAGE BY OPERATOR	
PROSE	17.0	-X16020-CNTRLPROG	-TMSL REQUEST-LIST REQUEST WILL NOT BE HONORED UNDER SOME CONDITIONS	
PROSE	17.0	-X15038-CNTRLPROG	MFT-IF STG PROT SPECIFIED,PARTITION SIZE MUST BE MULTIPLE OF 2K.	
PROSE	17.0	-X16046-GJP	-GFX PROCEDURE REGION SIZE MUST BE CHANGED . IKASD082 NOT SCTR LINKEDIT	
PROSE	17.0	-X16046-GJP	-GFX PROCEDURE REGION SIZE MUST BE CHANGED . IKASD082 NOT SCTR LINKEDIT	
PROSE	17.0	-X16032-GJP	-MVT-FOREGROUND REGION SIZE USED FOR FOREGROUND AND BACKGROUND	
PROSE	17.0	-X16032-GJP	-MVT-FOREGROUND REGION SIZE USED FOR FOREGROUND AND BACKGROUND	
PROSE	17.0	-X16052-GJP	-SYSTEM MESSAGE BLOCK MAY NOT BE REPLACED BY GJP SELECT FRAME	
PROSE	17.0	-X16052-GJP	-SYSTEM MESSAGE BLOCK MAY NOT BE REPLACED BY GJP SELECT FRAME	
PROSE	17.0	-X16033-GJP	PROC-RUN IN FOREGROUND W/O DD FOR 2250 CAUSES 2250 OVERRIDE CARD IN LAST STEP	
PROSE	17.0	-X16033-GJP	PROC-RUN IN FOREGROUND W/O DD FOR 2250 CAUSES 2250 OVERRIDE CARD IN LAST STEP	
PROSE	17.0	-X16018-GJP-MSGS	-UNITS DIGIT OF RETURN CODE OMITTED FROM MSGS IKA001I,2I,3I,4I,5I,49I,55I,58I	
PROSE	17.0	-X16018-GJP-MSGS	-UNITS DIGIT OF RETURN CODE OMITTED FROM MSGS IKA001I,2I,3I,4I,5I,49I,55I,58I	
PROSE	17.0	-X16053-GJP-RECALL	-ACCEPT OPTION ON RECALL OF ENTER DATA FRAME MAY DISPLAY PREVIOUS INFORMATION	
PROSE	17.0	-X16053-GJP-RECALL	-ACCEPT OPTION ON RECALL OF ENTER DATA FRAME MAY DISPLAY PREVIOUS INFORMATION	
PROSE	17.0	-X16049-GJP-VARY	-DO NOT USE VARY XXX,OFFGFX,F TO REMOVE UNITS FROM GJP	
PROSE	17.0	-X16049-GJP-VARY	-DO NOT USE VARY XXX,OFFGFX,F TO REMOVE UNITS FROM GJP	
PROSE	17.0	-X16001-IOTAPE	-GEN-NONLABEL-NONSPECIFIC- SYSTEM ASSIGNED SERIAL NOT INCREMENTED PROPERLY	
PROSE	17.0	-X15012-MSG	-CNTRLPROG-IF INCORRECT REEL MNTD FOLLOWING IEC001A MSG, NO D MSG RESULTS.	
PROSE	17.0	-X15039-MSG	-CNTRLPROG-INVALID UNIT FOR Q DR PROC IN SET COMMAND RESULT IN INVALID START CMD	
PROSE	17.0	-X15042-MSG	-CNTRLPROG-MOUNT MSG WITH DENSITY 200BPI MAY BE ISSUD FOR ST REEL.DISREGARD&&4E	
PROSE	17.0	-X15017-MSG-	-GEN-WITH 2250 GRAPHICS CONSOLE,LOADED WAIT STATE CODES APPEAR IN D REG.	
PROSE	17.0	-X16059-MSG-LOGOFF	-GJP-I/O ERROR LOGOFF IS OMITTED FROM MSG IF DEQUEUEING ERROR IS RECIEVED	
PROSE	17.0	-X16059-MSG-LOGOFF	-GJP-I/O ERROR LOGOFF IS OMITTED FROM MSG IF DEQUEUEING ERROR IS RECIEVED	
PROSE	17.0	-X16026-MSGIEA000I	-CNTRLPROG-ERRONEOUS CHARACTER IF 5 BYTES OF VALID SENSE DATA	
PROSE	17.0	-X16008-MSGIEA102A	-CNTRLPROG-2250 PRI OP CONSOLE EOB REPLY TO IEA101A MESSAGE NOT ACCEPTABLE	
PROSE	17.0	-X16054-MSGIEE110A	-CNTRLPROG-MFT/MVT-DISPLAY R COMMAND MESSAGE IEE110A MAY BE INVALID	
PROSE	17.0	-X16009-MSGIEE313X	-CNTRLPROG-LAST CHARACTER OF MESSAGE MEANINGLESS. SHOULD BE IEE313I	
PROSE	17.0	-X16027-MSGIEF406I	-CNTRLPROG-ISSUED IF USER ACCESS METHOD , RJE OR GJP PASSING INPUT TO R/I	
PROSE	17.0	-X16035-MSGIEQBBBBC	-CBL-F-CMPL-IF BLKSIZE OF COMPILE UNIT DD NOT CONSISTANT W/BUF PARAMETER	
PROSE	17.0	-X16035-MSGIEQBBBBC	-CBL-F-CMPL-IF BLKSIZE OF COMPILE UNIT DD NOT CONSISTANT W/BUF PARAMETER	
PROSE	17.0	-X16036-MSGIKA048I	-GJP-GFX-CHARACTER Y PRINTED IN PLACE OF PRINT CLASS IN ALL CASES	
PROSE	17.0	-X16016-MSG063I	-GJP-ISSUED INCORRECTLY IF NO PARTITION OF GJP'S JOBCLASS IS LARGE ENOUGH	
PROSE	17.0	-X16016-MSG063I	-GJP-ISSUED INCORRECTLY IF NO PARTITION OF GJP'S JOBCLASS IS LARGE ENOUGH	
PROSE	17.0	-X15043-PLI-F-EXEC	-CODE-IF MACDCK IS SPECIFIED,PUNCH DATASET OPENED EVEN IF NO MACRO SPECIFIED.	

REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST 0654 68250

CMPNT:	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-AND-TEXT.
PROSE	17.0	PUBCH-X16055-PLM-MCH-HDLR-MACHINE CHECK HANDLER PLM (Y27-7155-1) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16021-PLM-MVT-SUP -MVT SUPERVISOR PLM (Y28-6659) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16014-PLM-OLTEP -ON-LINE TEST EXECUTIVE PROGRAM PLM (Y28-6651-0) ADDITIONS AND CHANGES
PROSE	17.0	-X16006-PL1-F-SYSGEN-SIZE-DEFAULT IS 45056 NOT 999999 AS STATED IN SYSGEN SRL AND PL1 PROG GUIDE
PROSE	17.0	-X16006-PL1-F-SYSGEN-SIZE-DEFAULT IS 45056 NOT 999999 AS STATED IN SYSGEN SRL AND PL1 PROG GUIDE
PROSE	17.0	-X16047-RECMGT -CCH-IF CHANNEL CHECK HANDLER MACHINE CHECKS EREP OUTPUT HAS EXTRA DEVICES
PROSE	17.0	-X16048-RECMGT -GEN-ACTION TYPE S MESSAGES MEAN USE SEREP , TYPE W MEAN USE EREP
PROSE	17.0	-X16013-RJE-CLOSEMSG-STOP RJE-LINE I/O ERROR IF ATTEMPT TO SEND INPUT WHILE CLOSEDOWN PROCESSING
PROSE	17.0	-X16013-RJE-CLOSEMSG-STOP RJE-LINE I/O ERROR IF ATTEMPT TO SEND INPUT WHILE CLOSEDOWN PROCESSING
PROSE	17.0	-X16017-RJE-OUTPUT -ERRONEOUS DATA RECORD IF IMMEDIATE CARRIAGE CONTROL CHARACTER USED
PROSE	17.0	-X16017-RJE-OUTPUT -ERRONEOUS DATA RECORD IF IMMEDIATE CARRIAGE CONTROL CHARACTER USED
PROSE	17.0	PUBCH-X16034-SRL-CBL-F-PG-COBOL (F) PROGRAMMER'S GUIDE SRL (C28-6380-2) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16023-SRL-CTRL-BLK-SYSTEM CONTROL BLOCKS SRL (C28-6628) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16030-SRL-DEBUB -PROGRAMMER'S GUIDE TO DEBUGGING SRL (C28-6670-0) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16010-SRL-JCL -JOB CONTROL LANGUAGE SRL (C28-6539-7) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16031-SRL-LKED -LINKAGE EDITOR SRL (C28-6538-5) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16011-SRL-M&C -MESSAGES AND CODES SRL (C28-6631-5) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16024-SRL-OP-GD -OPERATORS GUIDE SRL (C28-6540-7) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16019-SRL-ST-EST -STORAGE ESTIMATES SRL (C28-6551-6) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16022-SRL-SYS-PRG-SYSTEM PROGRAMMER'S GUIDE SRL (C28-6550-4) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16037-SRL-SYSGEN -SYSGEN MANUAL (C28-6554-4) ADDITIONS AND CHANGES
PROSE	17.0	PUBCH-X16012-SRL-UTIL -UTILITIES SRL (C28-6586-8) ADDITIONS AND CHANGES
PROSE	17.0	TREST-X13032-SYSGEN -PROCLIB-MUST BE IN ONE EXTENT FOR RAM/BLDL/RSVC
PROSE	17.0	-X16002-SYSGEN -USE OF MVT OR MFT DRIVER NOT POSSIBLE IF SYSOUT OVERFLOWS ONE DISK PACK
PROSE	17.0	TREST-X11006-SYSGEN -2302 VT0C MUST BE WITHIN 1ST 200 CYLS
PROSE	17.0	-X16061-TPQTAM -GEN-INVALID CHARACTERS IN MESSAGE HEADER IF SEQUENCE OUT FIELD NOT REMOVED
PROSE	17.0	TREST-X12014-WAIT -CNTRLPROG-MVT-SUPVSR-IF REGION REQUESTS ALL MAIN STORAGE NOT OCCUPIED BY SYSTM
PROSE	17.0	-X15015-WAIT -CNTRLPROG-SYSTEM WAIT RESULTS IF CONSOLE REQUEST FOLLOWED BY EOB DURING TYPE
PROSE	17.0	-X15018-WAIT -CNTRLPROG-WITH 2250 GRAPHICS CONSOLE,SERO AND SER1 MESSAGES NOT TYPD ON CONSOLE
PROSE	17.0	-X16044-WAIT -I0DASD-BPAM-TRK DVFL USED TO CREATE AND ERROR WHEN READING 1ST REC OF MEMBER
PROSE	17.0	-X16045-WAIT -MVT-M65 AND LARGER IF LINKAGE EDITOR F OUTPUT SCATTER LOADED MAY OVERLAY NUC
PROSE	17.0	-X16045-WAIT -MVT-M65 AND LARGER IF LINKAGE EDITOR F OUTPUT SCATTER LOADED MAY OVERLAY NUC
PROSE	17.0	-X16057-WAITF06 -CNTRLPROG-INTERFACE CONTROL CHECK OR CHANNEL CONTROL CHECK F06 INSTEAD OF F05
PT516	18.0	-P18062-ABENDOC1 -GEN-TSTRAN-IF VALUE OF OPT.OPER.ON TEST OPEN IS LATER THAN THE SYSGEN LIMIT
PT516	18.0	-P17392-LOOP -GEN-TSTRAN-IEGTRNT-SETS WRONG PROTECT KEY WHEN EXEC.A STORE INSTRUCTION
RG038	17.0	RESTR-P18447-ABENDOC1 -RPG-EXEC-WHEN USING LINE COUNTER AND OUTPUT FILE IS DESIGNATED PRINTER
RG038	17.0	CRCMV-P17550-ABEND0064 -RPG-EXEC-WRONG CHAN.PROG.GENERATED READING FROM 2540 WITH 2311 SPECIFIED
RG038	17.0	-P17358-IO -RPG-EOFBAD-MATCHING RECS-PRI EOF STOPS PROCESSING BEFORE LAST SEC PROCESSED
RG038	17.0	-P17082-I0DASD -RPG-RECBAD-FIELDS ARE INCORRECTLY PLACED 4 POS TO LEFT WHEN UPDATEVARIABLE REC
RG038	17.0	-P17359-MSG -RPG-CMPL-FLAG-IF LENGTH AND DECIMAL POSITION ARE NOT SPEC IN RLABEL CALC SPEC
RG038	17.0	-P17360-RPG-CMPL -GEN-OS RPG COMPILER NOT COMPATIBLE WITH BPS,BOS, AND DOS-USES S FOR SIGN BITS
RG038	17.0	-P17553-RPG-EXEC -GEN-Z-ADD CALC.DOES NOT PROPERLY TRUN.A FACTOR FIELD WHEN PLACED IN SHORT.RES.
SM023	17.0	-P18263-ABENDOC5 -SORTDASD-IERBGB-RSA BIN SIZES NOT RECOG.AS BEING LARGER THAN BUFFERS
SM023	17.0	CRCMV-P17600-ABENDOC6 -SORTAPE-IERRGA-TEST-INCORRECT TEST FOR USER E18 ADDRESS
SM023	17.0	-P17471-ABEND106 -SORTAPE-IERRGB-TAPE RUNAWAY DUE TO NOT CHECK FOR CHANNEL PROTECTION CHECK
SM023	17.0	-P14435-ABEND800 -SORTS-WHEN DS WITH UNLIKE ATTRIBUTES ARE CONCATENATED
SM023	17.0	-P17936-LOOP -SORTDASD-USING 2311-3 AS INTERMEDIATE STORAGE THE FINAL MERGE PHASE LOOPS
SM023	17.0	-P18244-MSGIER046A -SORTAPE-WHEN E15 USED TO INSERT RECORDS TO AN OSCILLATING SORT
SM023	17.0	17136-P17136-MSGIER053A -SORTDASD-IF USER SPEC ASCENDING & DESCENDING ORDER IN A FIELD PARM
SM023	17.0	-P18844-SORTAPE -SORT-GEN-WHEN DRIVES DO NOT HAVE DUAL DEN,1600 BPI NOT UTILIZED
UT506	18.0	-P17616-ABEND -GEN-UTIL-IEHMOVE FAILS TO SWITCH TAPE UNITS WHEN COPYING PDS
UT506	17.0	-P14128-ABEND037 -GEN-UTIL-IEHMOVE-COPYING MULTI DATASETS FROM TAPE TO DA, 2ND DS COPY ABENDS.
UT506	18.0	-P18114-ABENDOC3 -GEN-UTIL-IEHMVESL-SYNAD TESTS RESULTS OF REQ.0 AND BRANCHES ACCORDINGLY
UT506	17.0	-P16429-ABENDOC3 -GEN-UTIL-IEHMVSTL-IEHMOVE USED TO COPY A BDAM SET
UT506	18.0	-P18429-ABENDOC4 -GEN-UTIL-IEHPRGM-LARGE MULTI-VOL.DATA SET NOT CATALOGUED
UT506	18.0	-P16339-ABENDOC5 -GEN-UTIL-IEBUPDTE-IF FIRST CONTROL CARD HAS A SYNTAX ERROR
UT506	18.0	-P17356-ABENDOC7 -GEN-UTIL-IEHMOVE-IF POWER EQ XX IS OTHER THAN LAST PARM AND IND.WITH 2 DIGITS

		REL-17.0-THRU-20.0 OS/360 SYMPTOM INDEX COMPONENT SEQUENCE LIST	0654	68250
CMPNT	FIXD	ACTON-APARNO-CIRCUMSTANCE-KEYLEVEL-ANO-TEXT.		
UT506	17.0	-P17615-ABEND3C5	-GEN-UTIL-IEHMVSM-IEHMOVE CAUSES ABEND ATTEMPTING TO PRINT OUT A MSG	
UT506	18.0	-P16794-ABEND506	-GEN-UTIL-IEBCOPYD-MSG.IEB1201 GIVEN AS A RESULT OF A SYNAD EXIT-I/O ERROR	
UT506	17.0	-P12695-ABEN4DC7	-GEN-UTIL-IEHMOVE-WHEN TRYING TO MOVE A MODEL DSCB.	
UT506	18.0	-P17674-IO	-GEN-UTIL-DUMP-RESTORE-CANNOT RECOVER IF ATTN.INTERUPT IS GENERATED FROM 1050	
UT506	17.0	15274-P15274-IO	-GEN-UTIL-DUMP/RESTORE-MULTIVOL OUTPUT-LOSING 1 RECORD ON THE -DUMP-.	
UT506	17.0	-P18206-IO	-GEN-UTIL-IEBCC502-OUTPUT FROM LITERAL APOSTROPHIES INCORRECT	
UT506	17.0	-P16291-IO	-GEN-UTIL-IEBGENER-BAD REC WRITN WHEN CREATING OUTPUT DS IF INPUT DS HAS NORECS	
UT506	18.0	CRCMV-P17653-IO	-GEN-UTIL-IEBGENER-1ST CARD PRINTED MAY OVERLAY PAGE HDR OR CNTRL CARD MSG.	
UT506	17.0	-P18035-IO	-GEN-UTIL-IEBGSCAN-CONT.CARDS THAT START IN COLUMN 18 IGNORED	
UT506	17.0	-P18200-IO	-GEN-UTIL-IEBTPCH-DOES NOT DIAGNOSE MISSING NAME EQ KEYWORD	
UT506	17.0	-P15873-IO	-GEN-UTIL-IEBUPDTE-ADD/CHANGE-EXTRANOUS BIN ZEROS ADD TO USER FLD IN PDS DIRCTY	
UT506	17.0	-P17198-IO	-GEN-UTIL-IEBUPDTE-ERROR IN CONTROL CARD RESULTED IN DESTRUCTION OF PROBLIB	
UT506	17.0	-P14929-IO	-GEN-UTIL-IEBUPDTE-FLUSH-FAILS FLUSH INP STREAM WHEN SEQUENCE ERROR OCCURS.	
UT506	17.0	CIRCM-P15324-IO	-GEN-UTIL-IEBUPDTE-RECMISS-UPDATING PDS TWICE IN SAME STEP.LAST 1/3 DS LOST	
UT506	17.0	-P15673-IO	-GEN-UTIL-IEHINITT-STARTS OFF WITH 1 DRIVE,USES DRIVES UNECONOMICALLY.	
UT506	18.0	-P16547-IO	-GEN-UTIL-IEHLIST-CANNOT TOTAL EMPTY TRACKS ABOVE 0999	
UT506	18.0	-P17456-IO	-GEN-UTIL-IEHLIST-DSCB ADDRESS INCORRECT WHEN LISTING VTQC WITH DSNAME	
UT506	17.0	CIRCM-P12883-IO	-GEN-UTIL-IEHLIST,IEHPRGM,IEHMOVE.CAN DESTROY DATA AS THEY MODIFY JFCB.	
UT506	18.0	CIRCM-P16026-IO	-GEN-UTIL-IEHMOVE-COPY-IF GT 1 REPLACE STMT-COPIES ONLY 1ST MEMBER-EXCLUDESREST	
UT506	17.0	-P14540-IO	-GEN-UTIL-IEHMOVE-MOVE/COPY-WITH SELECT/INCLUDE/REPLACE STMTS-INCORRECT RESULTS	
UT506	18.0	-P18126-IO	-GEN-UTIL-IEHMVESL-MOVE/COPY-NAME MOVED INTO WRONG PART OF MESSAGE	
UT506	18.0	CRCMV-P18123-IO	-GEN-UTIL-IEHMVSSX-IEHMOVE TAKES SYNAD EXIT ON UNIT EXCEP.COPYING TAPE TO DISK	
UT506	18.0	-P17911-IO	-GEN-UTIL-IEHMVESZ-IEHMOVE-THE SVCLIB IS NOT COPIED TO TAPE WITH VOL. FUNCTION	
UT506	18.0	-P18103-IO	-GEN-UTIL-IEHQSCAN-LIST-NATIONAL CHAR.SET \$ EQ ' NOT ACCEPT.AS VALID IN DSNAME	
UT506	17.0	-P17810-IODASD	-GEN-NOTE LISTS DESTROYED COPYING PDS FROM DISK TO TAPE AND BACK TO DISK AGAIN	
UT506	18.0	-P16701-LOOP	-GEN-UTIL-IEBUPDTE-IF A ./ NUMBER CARD OUT OF PROPER POSIT.IN THE INPUT STREAM	
UT506	18.0	-P17474-MSG	-GEN-UTIL-IEHMOVE-DOES NOT DIAGNOSE CONTROL STATEMENT COPY FOR INVALID KEYWORD	
UT506	17.0	CIRCM-P13919-MSG	-GEN-UTIL-IEHMOVE-MOVE-ALLOC MORE SPACE THAN NEEDED FOR BDAM DS	
UT506	17.0	-P15944-MSGB510I	-IO-GEN-UTIL-IEBUPDT2-IF IEBUPDTE IS USED TO CREATE A NEW FROM OLD MASTER DS	
UT506	17.0	-P16728-MSGIEB515I	-GEN-UTIL-IEBUPDTE-ERRONEOUS MSG AFTER CONTROL STMT ERROR	
UT506	18.0	17060-P17060-MSGIEB604I	-GEN-UTIL-IEBISAM-MULTIVOLUME BLOCKED FILE,ONE IS INDEX AND ONE IS PRIME ON MVT	
UT506	17.0	-P18173-MSGIEH102I	-GEN-UTIL-IEHQSCAN-CONT.CD.SCAN RTNE INCORR.HANDLES LISTVTOC CONTROL CARD	
UT506	17.0	-P13520-MSGIEH201I	-GEN-UTIL-IEHPRGM-CATALOG-IF DS NAME CONTAINS 44 CHARACTERS.	
UT506	18.0	-P16810-MSGIEH389I	-GEN-UTIL-IEHMVERD-MOVE-MOVING PDS FROM 2311 TO TAPE	
UT506	18.0	-P18085-MSGIEH389I	-IO-GEN-UTIL-IEHMVSSZ-IEHMOVE FAILS TO COPY DS WITH UNDEFINED RECORD FORMATS	
UT506	17.0	-P17296-MSGIEH405I	-GEN-UTIL-ERRONEOUS-DESPITE CORRECT JCL AND CORRECT VOLS MOUNTED	
UT506	17.0	-P14576-MSGIEH417I	-GEN-UTIL-IEHMOVE-DK/TP-IF USING SELECT STMT	
UT506	17.0	CIRCM-P15238-WAIT	-GEN-UTIL-IEHMOVE/VOLUME-DK/TP-1ST DS COPYS OK,THEN GOES WAIT IF MORE DS.	
UT506	18.0	-P15815-WAIT	-GEN-UTIL-IEHMVESJ-WHEN FROM OR TO PARM OMITTED FROM COPY STATEMENT	
UT506	17.0	CRCMV-P17128-WAITF03	-GEN-UTIL-IEHINITT-RUNNING WITH OTHER JOBS AND TAPE IS 7TRK OR DUAL DENSITY	
UT507	18.0	-P17679-IO	-GEN-UTIL-DASDI-WRONG CELL IS DASDI IF BIN NO. IS GIVEN BUT NOT VALID	
UT507	17.0	15274-P15196-IO	-GEN-UTIL-IBCOMPRS-FAILS TO CORRECTLY RESTORE TAPE WITH DATA-REC AND EOF & KEYO	
UT507	18.0	-P15981-IO	-GEN-UTIL-IBCOMPRS-DUMP/RESTORE-FAILS IF TAPE ON MPX CHAN AND DISK ON SEL CHAN	
UT507	18.0	-P18327-IOTAPE	-GEN-DUMP/RESTORE FAILS TO DUMP TO TAPE CORR.CCW TO RESTORE RCD.WITH TRKOVFLW	
UT507	18.0	-P17849-IOTAPE	-GEN-RCD MORE THAN 7 AND 1/2 IN.WITH BAD SPOT AFTER DOES NOT RECOVER	
UT507	18.0	-P17974-MSGIBC201W	-IO-GEN-UTIL-DASDI CANNOT RECOVER IF AN INTERRUPT IS GENERATED FROM 1050,2260	

SECTION 5: APARS CLOSED IN PREVIOUS RELEASES

LIST AND DESCRIPTION OF PREVIOUSLY CLOSED APARS

This section lists and describes those APARS which were corrected in previous releases but not documented as such.

MAINTENANCE INFORMATION

RELEASE 15/16

THE APARS LISTED BELOW HAVE BEEN CORRECTED IN PREVIOUS
 RELEASES OF OS/360 BUT MAY NOT HAVE BEEN IDENTIFIED IN
 THE MAINTAINANCE PROSE DOCUMENT SUPPLIED FOR EACH RELEASE

P09527 P09810 P09860 P10202 P10263 P10340 P10520 P10734
 P10834 P10865 P10959 P11067 P11461 P11521 P11602 P11660
 P11697 P11859 P12003 P12191 P12353 P12378 P12412 P12449
 P12504 P12551 P12613 P12629 P13078 P13100 P13126 P13134
 P13135 P13204 P13239 P13255 P13297 P13315 P13418 P13421
 P13472 P13489 P13554 P13625 P13626 P13645 P13707 P13737
 P13747 P13790 P13855 P13921 P13955 P13967 P13998 P14013
 P14041 P14065 P14066 P14082 P14099 P14106 P14119 P14127
 P14185 P14214 P14226 P14237 P14258 P14265 P14271 P14315
 P14337 P14343 P14371 P14392 P14423 P14426 P14463 P14474
 P14493 P14505 P14538 P14564 P14575 P14579 P14583 P14587
 P14590 P14598 P14612 P14630 P14649 P14655 P14679 P14685
 P14737 P14748 P14764 P14850 P15014 P15017 P15018 P15035
 P15044 P15085 P15110 P15218 P15223 P15244 P15248 P15252
 P15293 P15303 P15323 P15331 P15344 P15425 P15427 P15448
 P15449 P15456 P15469 P15508 P15533 P15552 P15611 P15715
 P15721 P15723 P15731 P15757 P15805 P15914 P15915 P16012
 P16021 P16024 P16041 P16056 P16188 P16202 P16458 P16474
 P16489 P16539 P16541 P16564 P16566 P16570 P16616 P16703
 P16727 P16790 P16836 P16871 P16893 P17001 P17036 P17053
 P17142 P17283 P17341 P17402 P17444 P17518 P17610 P17727
 P17864

TOTAL NUMBER OF APARS INCLUDED - 0169

*
P09527 UT506

THE TAPE LABELING UTILITY PROGRAM,
IEHINITT, IS NOT CORRECTLY HANDLING THE RETURN OF
INVOCATION PARAMETERS. THE WAY THE PROGRAM IS NOW
WRITTEN AN OC4 ABEND WILL OCCUR UPON ITS EXECUTION.

MODULE -- IEHINITT

*
P09810 F0500

DOUBLE PRECISION CONSTANTS WRITTEN OUT
UNDER INTEGER FORMAT CONTROL ARE INCORRECTLY CONVERTED.

MODULE -- IEKAA00

*
P09860 CI505

SYSTEM IS WAITING FOR A DEVICE END FROM
A TAPE UNIT WHICH IS ALREADY AVAILABLE.

MODULE -- NONE

*
P10202 DN529

THE USER SPECIFIES A HIGH SPEED MULTI-
PLEXOR ON THE 2870 AT SYSGEN TIME. DUE TO A REDEFINITION
OF THE GLOBAL SYMBOLS, SER DOES NOT RECOGNIZE THE HIGH
SPEED MULTIPLEXOR.

MODULE -- SGIFC201

*
P10263 CI505

WHEN AN ERROR IS DETECTED ON 2400 DUAL
DENSITY TAPES THE JFCB DOES NOT ALWAYS REFLECT THE
CORRECT DENSITY FOR THE VOLUME BEING USED. THIS OCCURS
WHEN DDT-S ARE USED WITH SYSOUT.

MODULE -- NONE

*
P10340 F0520

 THE COMPILER GENERATES A BAD RLD ITEM
FOR A LOGICAL IF STATEMENT WITH A READ/WRITE TRAILER
CONTAINING A SIMPLE LIST.

2C

*
P10520 LM501

 FORTRAN TREATS AN ATTEMPT TO BACKSPACE
A DATA SET BEYOND LOAD POINT AS AN IO ERROR.

MODULE -- IHCFOCS

*
P10734 F0520

 THE OCCURRENCE OF A -T- FORMAT CODE
AND LITERAL DATA IN THE SAME FORMAT STATEMENT CAUSES
THE COMPILER TO ABEND.

2C

*
P10834 CI505

 WHEN NIP IS IN CONTROL, ATTEMPTS TO
CANCEL A MESSAGE VIA THE CONSOLE ARE NOT RECOGNIZED.

MODULE -- IEANIP

*
P10865 IO526

 AN UNREACHABLE BLOCK WAS OBTAINED WHEN
USING WRITE CHECK AND ADDING RECORDS TO THE END OF A
DATA SET.

MODULE -- NONE

*
P10959 IO526

 A OC6 ABEND OCCURED DURING ISAM LOAD
MODE CLOSE.

2C

*
P11067 I0526

A PROTECTION CHECK OCCURS WITH MODULE
IGG029GW WHEN USED WITH THE RAM OPTION.
CC-- 0096

2C

*
P11461 C0503

COMPILER RETURNS CONDITION CODE OF LESS
THAN 8 WHEN C LEVEL DIAGNOSTICS ARE GENERATED.

MODULE -- SGIEP00

*
P11521 I0526

JOB ABENDS WITH OC5 WHEN MASTER INDEX
REACHES END OF CYLINDER AND TRIES TO CONTINUE.

2C

*
P11602 F0520

A DATA INITIALIZATION STATEMENT CONTAIN-
ING THE LITERAL -/- CAUSES THE COMPILER TO ISSUE THE
DIAGNOSTIC MESSAGE -IEY028I-NO CORE AVAILABLE. COMPIL-
ATION TERMINATED.-

2C

*
P11660 I0526

WHEN 2 VOLUMES ARE ASSIGNED TO AN ISAM
DATA SET AND PRIME RECORDS ARE NOT PUT ON THE SECOND
VOLUME, LOAD MODE SYNAD ./IF PRESENT/. IS ENTERED DURING
CLOSE.

2C

*
P11697 NL511

IF A FUNCTION ARGUMENT IS AN ADJUSTABLE
STRING SCALAR OR EXPRESSION, THEN AN END-OF BLOCK
CONDITION MAY OCCUR IN MODULE IFMMM, RESULTING IN
MESSAGE IEM3856I WITH A PROGRAM CHECK TYPE 4 IN MODULE
IEMMM OR WITH A PROGRAM CHECK TYPE 1 IN MODULE IEMRA.

2C

*
P11859 DM508

 WHEN OPENING AND CLOSING A DATA SET
WITH VARIABLE BLOCKED RECORDS ./NO PUTS ISSUED/.,
AN 800 ABEND RESULTS.

2C

*
P12003 DM508

 THE ABNORMAL END APPENDAGE DOES NOT
RETURN TO IOS WITH PROPER COMMUNICATION FOR ERROR
RETRY. IOS CALLS IT A PERMANENT ERROR INSTEAD OF
PROCEEDING TO THE ALTERNATE TRACK.

2C

*
P12191 CI505

 THE INSTRUCTION VARY UNIT OFFLINE
DOES NOT WORK IF THE UNIT IS ONLINE AND ALLOCATED.

MODULE -- IGC0103D

*
P12353 FO520

 THE COMPILER ABENDS WITH A OC6
INTERRUPT CODE AFTER WRITING OUT THE STORAGE MAP.

2C

*
P12378 DM508

 EXCP SUPERVISOR ALLOWS DIAGNOSTICS
TO BE PERFORMED ON THE SECOND IOB BEFORE THE FIRST
IOB IS COMPLETED. SAM DOES NOT HAVE THE FULL DISK
ADDRESS UNTIL COMPLETION OF THE FIRST IOB.

MODULE -- NONE

*
P12412 CQ513

BTAM ON-LINE TERMINAL TEST LEADS TO
A 30A ABEND WHEN RUNNING WITH MVT.

MODULE -- IECTONLT

*
P12449 CI505

FOR A SEVEN TRACK TRANSPORT ON A
2415, THE UCBTYP FIELD IN THE UCB IS INCORRECT. BYTE
TWO OF UCBTYP SHOULD BE SET TO X-CO- BUT IT IS BEING
SET TO X-00- INDICATING 9 TRACK DRIVE.

2C

*
P12504 NL511

IF AN ADJUSTABLE ARRAY IS THE LAST
ADJUSTABLE VARIABLE DECLARED IN A BLOCK THEN
EXECUTION MAY FAIL BECAUSE THE GENERATED ARRAY DOPE
VECTOR IS INCORRECT.
TO BYPASS, INSERT A DECLARATION OF A DUMMY ADJUSTABLE
LENGTH CHARACTER STRING AFTER THE LAST DECLARED
ADJUSTABLE ARRAY.

2C

*
P12551 F0500

ON OPT EQUAL 0 COMPILATIONS OF STATE-
MENTS IN THE FORM - SAVCUR EQUAL LBUF./LPTR-1/.
WHERE THE CONSTANT PART OF A SUBSCRIPT IS NEGATIVE OR
GREATER THAN 4095 AND THE VARIABLE PART ./LPTR/.
IS INTEGER ASTERISK2, INCORRECT CODE MAY BE GENERATED.

MODULE -- IEKRSS

*
P12613 CI505

- IF THE SYSTEM REQUESTS THAT

2C

*

P12629

CI505

A F2D ABEND, 106 ABEND, OR A 106 ABEND FOLLOWED BY A F03 CAN OCCUR IF A RECOVERABLE I/O ERROR OCCURS WHILE PCI FETCH IS BRINGING A MODULE INTO CORE. THE INDICATOR IN THE RLD BUFFER USED BY PCI FETCH, WAS BEING OVERLAID WHEN THE CHANNEL PROGRAM USED BY PCI FETCH WAS RETRIED FOR AN ERROR CONDITION, E.G., DATA CHECK. THIS CAUSED PCI FETCH TO EXECUTE A WRONG CCW WHICH RESULTS IN AN ERRONEOUS INCORRECT LENGTH INDICATION.

MODULE -- IEWFTPCI

*

P13078

CB524

WHEN A COMPLEX IF STATEMENT IS WRITTEN USING THE COBOL F COMPILER, INCORRECT OBJECT CODE MAY BE GENERATED.

2C

*

P13100

F0520

HOLLERITH BLANKS IN A DATA LITERAL FAIL TO COMPILE CORRECTLY.

2C

*

P13126

CI505

AN OC6 ABEND OCCURS FOR ONE OF TWO REASONS--
- A DUMMY WAS SPECIFIED WITH A VOLUME EQ REF PARAMETER.
- A JOB IS FLUSHED BECAUSE OF THE COND CODE IN THE EXEC CARD, CAUSING THE ALLOCATE WORK TABLE TO REFLECT THE CODE FOR DUMMY.

2C

*
P13134 CI505

THE INVALID PARAMETER UNIT EQ AFF EQ
ASTERISK .DDNAME./S/. CAUSES THE STEP TO FAIL BUT NO
ERROR MESSAGE IS PRINTED.

2C

*
P13135 LM512

IF THE FIRST KEY SPECIFIED FOR AN
INPUT SEQUENTIAL INDEXED FILE CANNOT BE FOUND, THEN
ALL SUBSEQUENT READS WILL FAIL WITH KEY NOT FOUND
CONDITION. TO BYPASS- ADD A DUMMY -READ- FOR A KEY
WHICH IS KNOWN TO EXIST BEFORE USING THE FILE PROPER.

2C

*
P13204 CI505

- DUMMY WAS SPECIFIED WITH A VOLUME
EQ REF PARAMETER.
- A JOB FLUSHED BECAUSE OF THE COND CODE IN THE
EXEC CARD WHICH WILL SET A BIT PATTERN THE SAME AS
IF DUMMY HAD BEEN SPECIFIED.

2C

*
P13239 CI505

FAILURE TO ALLOW 1404 TO BE SUPPORTED
BY SPECIFYING 1403 MOD.2 WITH A 2821 MOD.4. THIS
PROBLEM EXISTS FOR RELEASE 10 AND 11 GENLIBS.

2C

*
P13255 DM508

AN INVALID INDICATION OF -MEMBER NOT FOUND- WAS
GIVEN USING IEHPROGRAM TO SCRATCH MEMBERS OF A VARIABLE LENGTH
PARTITIONED DATA SET. THE SCRATCHING OF PREVIOUS MEMBERS HAD
DESTROYED PORTIONS OF THE DATA SET.

2C

*
P13297 CI505

OC6 ABEND IN IEFXA MODULE IEFWCIMP
WHEN USING A DD DUMMY OVERRIDE CARD TO A CATALOGED
PROCEDURE.

2C

*
P13315 I0526

-UNREACHABLE BLOCK- OCCURS WHEN ADDING
RECORDS TO A DATA SET WITH A WRITE KN. THIS OCCURS ONLY
WHEN THE NUMBER OF LEVELS OF INDEX IS TWO OR GREATER, OR
ONLY WHEN WRITE KN IS SPECIFIED IN THE MACRF AND WRITE
CHECK IS REQUESTED.

2C

*
P13418 I0523

A SYSGEN FOR 2260 GENERATES AN INCLUDE
STATEMENT FOR A 2250 MODULE, RESULTING IN MESSAGE
-IEW0342-ERROR-LIBRARY SPECIFIED DOES NOT CONTAIN
MODULE-.
THE CONDITION DESCRIBED ABOVE WILL NOT INTERFERE WITH
YOUR SYSTEM.

2C

*
P13421 CI505

INTERMITTENT ABEND IN LOOK SCHEDULER.
AN OC5 ABEND CAN OCCUR BECAUSE SOME JOB SCHEDULER
MODULES ARE NOT REUSABLE.

2C

*
P13472 DM508

WHEN CREATING A PDS, MORE VOLUMES ARE
REQUESTED WHEN THE FIRST ONE IS FILLED INSTEAD OF ABEND-
ING WITH AN E37

2C

*
P13489 CI505

A SYSTEM HAVING AVR AND A JOB STEP
REQUIRING DISK AND TAPE DRIVES WILL DISMOUNT ALL
DISK PACKS NOT NEEDED FOR THE STEP AND CALL FOR THE
MOUNTING OF THE VOLUMES REQUIRED IF THE TAPE AND DISK
DRIVES ARE ON-LINE AND NOT READY.

2C

*
P13554 CO503

A 337 ABEND OCCURRED DURING
COMPILATION OF COBOL E PROGRAM.

2C

*
P13625 DM508

A 413 ABEND WILL OCCUR IN IGG0190Z IF
MORE THAN ONE USER IS ALLOCATED TO THE DEVICE BEING
OPENED AND THE WRONG VOLUME IS CURRENTLY MOUNTED ON
THAT DEVICE.

IN RELEASE 12 THE USE COUNT IS NO LONGER BEING
CHECKED BY OPEN OR EOVS PRIOR TO DISMOUNTING A VOLUME.
INSTEAD A NEW BIT IN THE UCB IS USED TO DETERMINE IF
A VOLUME CAN BE DISMOUNTED. WITH JCL LIKE YOUR-S
THE VOLUME WOULD BE DISMOUNTED.

2C

*
P13626 DM508

AN 800 ABEND WILL OCCUR WHEN A TAPE
DATA SET IS OPENED WHICH HAS A MACRF OF GLC SPECIFIED.
THIS COMBINATION MAY OCCUR USING RPG.
CHANGES WERE MADE TO MODULE IGG01911 SO THAT THE CNTRL
OPTION WOULD BE IGNORED WHEN CONSTRUCTING THE CHANNEL
PROGRAMS FOR QSAM TAPE INPUT.

2C

*
P13645 CI505

OF1 ABEND PRECEDED BY A PROGRAM
CHECK AND 106 ABEND CODE.

2C

*
P13707 NL511

IF THE DECLARATION OF AN ENTRY AND ITS PROCEDURE BODY OCCUR IN INCLUDED TEXT, THEN ERRONEOUS CONFLICT MESSAGES OCCUR ON SECOND AND SUBSEQUENT ENTRY DECLARATIONS.

2C

*
P13737 UT506

A WRONG LENGTH RECORD ON THE INPUT DATA SET CAUSED IEHMOVE TO PRINT MESSAGE -IEH321I OUTPUT DIRECTORY IS FULL-. THIS OCCURS ON THE USER-S SYSTEM WHICH IS RELEASE 9.5. IF THE -TO- DATA SET IS PREALLOCATED ON THE USER-S SYSTEM, THE PROPER MESSAGE WILL BE PRINTED ./IEH389I/.. THE PROBLEM DOES NOT OCCUR ON RELEASE 13 WHICH IS CURRENTLY AVAILABLE IN THE FIELD. IEHMOVE PRINTS MESSAGE -IEH389I I/O ERROR ENCOUNTERED IN INPUT DATA SET-.

2C

*
P13747 CI505

IF IEABLD00 IS NOT IN THE FIRST EXTENT OF SYS1.PROCLIB, MESSAGE IEA112I WILL APPEAR AT IPL TIME.

2C

*
P13790 LM501

A 4-BYTE AVERAGE BLOCK LENGTH WAS SPECIFIED IN THE SPACE PARAMETER FOR A NEW DIRECT ACCESS DATA SET. THE SAME NUMBER OF RECORDS, 100, WAS SPECIFIED IN BOTH THE SPACE PARAMETER AND THE DEFINE FILE STATEMENT. NEVERTHELESS, PROGRAM EXECUTION ABENDED WITH CONDITION CODE D37, INDICATING THAT NOT ENOUGH SPACE HAD BEEN ALLOCATED. THE SPACE REQUIRED WAS IN EXCESS OF OF THE DATA SET LENGTH BECAUSE THE FORTRAN LIBRARY WROTE 16-BYTE DATA RECORDS FOR ANY NEW DIRECT ACCESS DATA SET FOR WHICH THE AVERAGE BLOCK LENGTH SPECIFIED IN THE SPACE PARAMETER WAS LESS THAN 16 BYTES. THUS THE ABEND D37 OCCURRED BECAUSE THE NUMBER OF TRACKS ALLOCATED FOR 100 4-BYTE RECORDS WAS LESS THAN NEEDED TO WRITE 100 16-BYTE RECORDS.

2C

*
P13855 NL511

WHEN AN ELEMENT OF AN ARRAY IN A CONTROLLED STRUCTURE IS USED AS AN ARGUMENT TO THE UNSPEC FUNCTION, THEN THE VALUE RETURNED IS INCORRECT.

2C

*
P13921 F0520

COMPILER FLAGS AS AN ERROR A DOUBLE PRECISION ARGUMENT TO THE EXP FUNCTION ONLY IN THE FIRST COMPILATION IN WHICH THE ERROR APPEARS. THE SAME ERROR IN ANY SUBSEQUENT COMPILATION IN A MULTIPLE COMPILATION JOB STEP, REMAINS UNDETECTED.

2C

*
P13955 CI505

PO IS IN WAIT. IN AN MFT ENVIRONMENT, A LOWER PRIORITY PARTITION CAN MONOPOLIZE THE SYSTEM IF ITS I/O IS UTILIZING THE TWO CHANNEL SWITCH. IT IS POSSIBLE FOR A DEVICE OPERATING ON A HIGHER ADDRESSABLE CHANNEL TO BE LOCKED OUT.

MODULE -- NONE

*
P13967 CI505

ON RELEASE 11, THE UNLOAD COMMAND MAY FAIL TO REWIND UNLOAD.

2C

*
P13998 C0503

IF USING -USE AFTER STANDARD ERROR PROCEDURE ON FILE- CLAUSE IN THE DECLARATIVE SECTION A BAD ADDRESS IS GENERATED FOR THE ERROR ROUTINE BY THE LOADER, SINCE THE LENGTH INDICATOR ON THE RLD CARD FOR THIS ADDRESS IS INCORRECT. THE ERROR OCCURS IF PTF 10406 IS USED.

MODULE -- IEPAJ600

*
P14013 CQ513

SYSTEM LOOP DUE TO OVERLAY OF CVT
POINTER.

2C

*
P14041 NL511

THE COMPILER PRODUCES ERROR MESSAGES
IEM 3856I PROGRAM CHECKTYPE 1 IN PHASE -OG-, AND
IEM0877I, WHEN A LABEL ARRAY IS DECLARED WITH A
NEGATIVE BOUND AND AN ELEMENT OF THIS ARRAY WITH A
NEGATIVE SUBSCRIPT IS REFERENCED.

2C

*
P14065 CI505

IF A DD STATEMENT REFERS TO ANOTHER
DD STATEMENT BY THE USE OF DDNAMEEQNAME, WHERE NAME
IS THE NAME OF A DD STATEMENT CONTAINING MORE THAN
5 VOLUME SERIAL NUMBERS, THE SCHEDULER MAY ISSUE THE
MESSAGE -IEF4002 I/O ERROR IN SCHEDULER WORK AREA-
TO THE CONSOLE AND ENTER A F03 WAIT STATE AFTER A
OBO ABEND.

2C

*
P14066 CI505

GETTING A F23 ABEND AFTER SYSTEM
IPL.

2C

*
P14082 CB524

ENTRY POINT INFORMATION AS DOCUMENTED
IN THE MICROFICHE OF EACH MODULE OF THE COBOL F
COMPILER DOES NOT GIVE THE TRUE ENTRY NAME. THE
DOCUMENTATION OF ENTRY POINTS HAS BEEN CHANGED TO
REFLECT THE CORRECT ENTRY POINT NAMES.

2C

*

P14099

NL511

SYSTEM LOOPS OR PRODUCES IEM3855I
-ERROR IN XA- WHEN A NUMERIC FIELD ARRAY IS INCORRECTLY
INITIALIZED.

WE CANNOT REPRODUCE THIS PROBLEM ON REL.13. WE
SUGGEST THAT YOU RUN THE PROGRAM ON THIS RELEASE. IF
THE PROBLEM OCCURS ON THIS RELEASE SUBMIT AN APAR.

2C

*

P14106

CI505

IF THE LAST CARD IS -// START RDR,
OOC-, THE COMMAND IS REJECTED WITH THE MESSAGE
-IEF509D STR RDR, OOC UNAVAILABLE-.

2C

*

P14119

F0092

THE COMPILER ABENDS ATTEMPTING TO
PUT OUT DIAGNOSTIC MESSAGE IEJF160I. THE SYNTAX
REQUIREMENTS FOR THE DO STATEMENT WERE SATISFIED,
BUT ADDITIONAL INFORMATION IN THE FORM OF A
SUBSCRIPT TO THE VARIABLE SPECIFIED AS THE TEST
VALUE, WAS DETECTED.

2C

*

P14127

CB524

WHEN IN A PROGRAM WHICH CONTAINS NO
FILE SECTION, THE LAST GROUP IN WORKING-STORAGE
SECTION CONTAINS A REDEFINES AND THE WORKING-STORAGE
SECTION IS FOLLOWED BY A LINKAGE-SECTION, THE COBOL-F
COMPILER FAILS TO ALLOCATE SUFFICIENT CORE TO THE
WORKING-STORAGE SECTION.

2C

*
P14185

CB524

WHEN USING THE ISAM FEATURE OF COBOL
F AND THE FD FOR THAT ISAM FILE IS THE FIRST FD
IN THE FILE SECTION, DIAGNOSTIC IEQZ178I-E,
ERRONEOUSLY GENERATED.

MODULE -- IEQCBL20

*
P14214

DM508

WHEN CLOSING A SAM DATA SET WITH
COBOL F OPEN FOR OUTPUT, DUPLICATE RECORDS ARE WRITTEN.
CC-- 4026

2C

*
P14226

CI505

MODULE IEECVRA IS NOT RETURNING CORRECT
REGISTERS TO IOS THUS CAUSING ATTENTION TO POST IEEBAL
INSTEAD OF CORRECT ECB.

2C

*
P14237

AS037

AN INVALID PROGRAMMER MACRO ABENDS OR
APPEARS TO LOOP.

2C

*
P14258

CI505

WHEN -HEAD SHAKE- ROUTINE OF THE ERROR
RECOVERY ROUTINE IS IN CONTROL AND NO SIO IS GIVEN TO
UNIT AN AUTO-RESTORE REPLACES STRIP IN BIN. OF 2321.
WHEN STRIP IS BEING REPLACED CU IS BUSY. SEEK ARM BIT
IS ON IN IOB AND IS NOT TURNED OFF BY IOS. WHEN CU
INTERRUPT COMES IN NO RESTART IS PERFORMED DUE TO SEEK
ARM BIT, THUS NO COMPLETION. THIS PROBLEM WILL NOT
OCCUR WHEN SYSRES AND 2321 ARE ON SAME CHANNEL.

2C

*
P14265 CI505

A SPECIFIC REQUEST FOR AN UNMOUNTED VOLUME MAY RESULT IN ALLOCATION TO THE DEVICE UPON WHICH THE JOBLIB RESIDES IF THE REQUEST EXCEEDS THE NUMBER OF AVAILABLE DEVICES AND THE REST OF THE VOLUMES ARE RETAINED AND CONTAIN PASSED DATA SETS. THE SYSTEM ISSUES NO MOUNT OR DISMOUNT MESSAGES FOR THIS SITUATION.

2C

*
P14271 ED510

THE LINKAGE EDITOR E44 TERMINATES WITH IEW0364 OR IEW0374 ERROR MESSAGE WHEN PROCESSING LARGE PROGRAMS.

2C

*
P14315 CI505

MESSAGE IEF510D WILL NOT BE INCLUDED IN RELEASE 14. IN RELEASE 14, THERE WILL BE THE FACILITY TO STOP A WRITER BY USING THE STOP WRITER COMMAND. THE PROBLEM YOU HAVE ENCOUNTERED IS UNIQUE TO RELEASE 13. THE OPERATOR-S RESPONSE TO THIS MESSAGE IS AS FOLLOWS--ISSUE EITHER ./1/. REPLY ID, -YYY-, WHERE YYY IS AN ONLINE AVAILABLE DEVICE WITH THE SAME DEVICE TYPE AND CHARACTERISTICS AS THOSE OF DEVICES XXX, OR ./2/. REPLY ID, -KEEP- IF THE CURRENT SYSTEM OUTPUT WRITER IS TO BE RETAINED. ./NOTE, RESPONSE ./2/. EFFECTIVELY NULLIFIES THE REQUESTED WRITER SWITCHING TO DEVICE XXX/..

2C

*
P14337 F0500

THE COMPILER FAILS TO DETECT AND FLAG THE USE OF SUBPROGRAM NAME AS A PARAMETER IN AN END STATEMENT.

2C

*
P14343 CI505

INPUT OUTPUT SUPERVISOR MAY ENTER A LOOP
WHEN IT STARTS AN INPUT OUTPUT REQUEST WHICH CAUSES A
CHANNEL PROGRAM CHECK.

2C

*
P14371 NL511

A STATIC EXTERNAL INITIAL BIT STRING WAS
FOUND TO BE UNINITIALIZED WHEN OUTPUT BY DATA DIRECTED
STREAM I/O.

2C

*
P14392 CI505

IN RELEASE 13, THE MESSAGE IEF151I MAY
APPEAR WHEN TRYING TO OVERRIDE THE COND PARAMETER IN
AN EXEC STATEMENT OF A PROCEDURE. THE MESSAGE WILL NOT
FAIL A JOB, BUT NO OVERRIDE WILL TAKE PLACE.

2C

*
P14423 CI505

THE SYSTEM MAY ENTER A LOOP WHILE IN
THE INPUT OUTPUT SUPERVISOR. THIS PROBLEM WILL OCCUR
WHEN THE CHANNEL STATUS WORD IS STORED WITH A UNIT
CHECK STATUS UPON ISSUING A S10 INSTRUCTION FOR ERROR
CORRECTION.

2C

*
P14426 CI535

LOOPING IN IOS WITH TWO-CHANNEL
SWITCH FEATURE.

2C

*
P14463 SM023

IERRCZ ABENDED WITH AN OC6 WHEN
AN ERROR OCCURRED IN TRYING TO OPEN SORTLIB DUE TO AN
INCORRECT DD CARD.

2C

*
P14474 FO520

THE USE OF THE DEBUG STATEMENT CAN
CAUSE THE IMAGINARY PART OF A COMPLEX VARIABLE TO
BE INCORRECT WHENEVER VALUES FOR THAT VARIABLE ARE
COMPUTED AND INVOLVE ANOTHER COMPLEX VARIABLE AS A
FACTOR IN ONE OF THE TERMS OF THE EXPRESSION.

2C

*
P14493 CI505

PROGRAM CHECK OCCURS IN IOS, YOU GET
A LOOP-HANG UP IN PROLOG.

2C

*
P14505 SM023

THE APPLICATION OF PTF 11857 CAUSES
THE SYSGEN OPTIONS FOR CORE SIZE AND PRINT OPTION TO
BE OVERLAYED WITH THE DEFAULT OPTIONS AS SPECIFIED IN
IERAM1.

2C

*
P14538 DM508

IT IS POSSIBLE TO GET INTO A MOUNT
SCRATCH LOOP IN OPEN IF OPEN HAS TO REVERIFY A SL TAPE.
THIS CAN BE CAUSED BY A DENSITY CONFLICT HANDLED BY
OMODVOL1.

2C

*
P14564 CI505

PURGE FAILS TO RESET THE UCB ERROR
AND UCB ARM SEEKING FLAGS WHEN RETURNING REQUEST
ELEMENTS FROM THE ASYNCHRONOUS ERROR QUEUE.

2C

*
P14575 CI505

READER INTERPRETER ACCEPTS INVALID JCL
./I.E., CLY INSTEAD OF CYL/. AND CAUSES A 213 ABEND
WHEN USING COBOL -E- COMPILER.

2C

*
P14579 CI505

THE USE OF 15 OR MORE CHARACTERS IN
THE PROGRAMMER-S NAME FIELD OF THE JOB CARD AND
MSGLEVELEQO IN PCP AND MFT RELEASE 13 SYSTEMS MAY
CAUSE UNPREDICTABLE RESULTS.

2C

*
P14583 CI505

CORRECT ALLOCATION TAKES PLACE WHEN
RUNNING YOUR JOB UNDER DP PID RELEASE 14 WITH AVR.

2C

*
P14587 F0500

THE COMPILED PROGRAM ABENDED DURING
EXECUTION DUE TO IMPROPER CODE WHICH WAS GENERATED
BEFORE THE FIRST EXECUTABLE INSTRUCTION. THIS
PROBLEM NO LONGER EXISTS IN OP PID RELEASE 14. SINCE
THERE WERE SEVERAL UNRESOLVED EXTERNAL REFERENCES,
THE PROGRAM CANNOT BE EXECUTED.

2C

*
P14590 CI535

WHEN AN ISAM DATA SET RESIDES ON
MORE THAN ONE VOLUME AND ALL UNITS ARE THE SAME TYPE,
REQUEST THE TOTAL NUMBER OF UNITS REQUIRED BY ALL
AREAS - IE. UNIT EQ ./2311,2/.. REFER TO JCL MANUAL
C28-6539 - CREATING AND RETRIEVING INDEXED SEQUENTIAL
DATA SETS.

2C

*
P14598 CI505

THE FULL WORD FOLLOWING THE TIOT IS
NOT SET TO ZEROS, THIS IS USED TO INDICATE THE END
OF THE TIOT.
CC--4044

2C

*
P14612 CI535

PROGRAM CHECK LOOP MAY OCCUR WHEN IOS
ATTEMPTS ABEND WITH COMP. CODE OF 400.

2C

*
P14630 F0500

WITHIN A DO LOOP, A BAD STORE IS
MADE FOR A RESULT VARIABLE WHEREIN THE RIGHT SIDE OF
THE EQUAL SIGN CONTAINS TWO OF THE DO VARIABLES AND
THE RESULT VARIABLE IS USED IN THE NEXT STATEMENT AS
A SUBSCRIPT, WHICH RESULTS IN AN OC5 ABEND.

2C

*
P14649 CQ513

INCORRECT STATEMENT IN RESETPL
MACRO ./CARD 76/.
TM 8./15/.,X-40-
SHOULD BE TM 4./15/.,X-40-

2C

*
P14655 CI505

 THIS PROBLEM FIXED BY DEVELOPMENT IN
CURRENT LEVEL OF OPERATING SYSTEM.

2C

*
P14679 LM501

 USE OF DEBUG WITH TRACE, SUBTRACE
OPTIONS CAUSES VARIOUS ABENDS, DEPENDING ON CONTENTS
OF REGISTER 9. REGISTER 9 IS INCORRECTLY USED
INSTEAD OF REGISTER 13 AT INSTRUCTION 006A.

2C

*
P14685 CI535

 SYSTEM OUTPUT WRITER DISK READ ROUTINE
IEFSD087 DOES NOT CHECK TO SEE IF A DATA SET WAS EVER
WRITTEN INTO AND CLOSED BEFORE ATTEMPTING TO READ IT
AND PASS ITS OUTPUT TO PRINT. THE RESULTS ARE--
1. SPURIOUS O/P FROM SYSOUT DATA SETS THAT HAVE
NEVER BEEN USED.
2. WARM STARTS-PRINTS PARTS OF SYSOUT DATA SETS OF
THE LAST CURRENT JOBS AND THEN MAY PRINT SPURIOUS
DATA FROM THE DISK SINCE NO END OF FILE MARK IS
FOUND.

2C

*
P14737 F0500

 ON AN OPT EQ 2 RUN, USE OF A SUBSCRIPTED
ARRAY NAME AS AN ARGUMENT IMMEDIATELY FOLLOWING A
LITERAL ARGUMENT IN A CALL ARGUMENT LIST, RESULTS IN
TERMINATION OF THE COMPILATION IN PHASE 20 WITH AN
IHC210I MESSAGE.

2C

*
P14748 CI535

WHEN NULLIFYING A KEYWORD PARAMETER,
UNIT EQ, THE JOB WILL FLUSH IF THE EQUAL SIGN IS IN
COLUMN 71.

2C

*
P14764 CI505

WHEN PARM FIELD IN CATALOG PROCEDURE IS
NULLIFIED BY AN OVERRIDING PARM STATEMENT, THE PARM
FIELDS FOR FOLLOWING STEPS ARE NOT NEGATED.

2C

*
P14850 CO503

THE COBOL-E COMPILER GENERATES AN
ERROR MESSAGE WHICH READS-- IEP624I MESSAGE NO. 624
IS NOT IN THE TABLE. THIS MESSAGE APPEARS WHEN
USING PTF 11542-13 AND THE TEXT OF THE MESSAGE IS
IMCORRECT. THE CORRECT TEXT IS NOTED IN COBOL E
PROGRAMMER-S GUIDE, C24-5029-2 PAGE 145. ALSO,
THIS IS ONLY A WARNING MESSAGE AND IT DOES NOT
IMPLY THAT THE CONDITION MENTIONED IN THE TEXT OF
THE MESSAGE ACTUALLY EXISTS.

2C

*
P15014 CI505

AN ERP JOB TO PROCESS THE CONTENTS OF
SYS1.LOGREC CONTAINING DATA COLLECTED ON A MODEL 30
SYSTEM WILL TERMINATE WITH A SYSTEM ABEND CODE OF 806.
MEMBER, IFCEREPI, IS NOT PLACED IN THE LINKLIB DURING
A SYSGEN THAT SPECIFIES THE MODEL AS A MODEL 30.

2C

*
P15017 CI535

CARD READER FAILED TO STOP ON VALIDITY
CHECK OR READER CHECK IF THERE WAS LIGHT ACTIVITY
IN SYSTEM.

2C

*
P15018 CI535

PROGRAM CHECK IN PROLOG.

2C

*
P15035 F0500

USING OPT EQUALS 2, CODE FOR A LOGICAL
IF STATEMENT IS NOT GENERATED WHEN THE IF STATEMENT IS
WITHIN A DO LOOP AND IMMEDIATELY FOLLOWS AN ASSIGNMENT
STATEMENT IN WHICH THE RESULT VARIABLE IS A REAL ASTERISK
4 AND IS SET TO THE ABSOLUTE VALUE OF A COMPLEX ASTERISK
16 ARITHMETIC EXPRESSION AND THE RESULT VARIABLE IS
USED IN THE IF STATEMENT. THE PROBLEM CAN BE CIRCUM-
VENTED BY INSERTING ANOTHER ASSIGNMENT STATEMENT BEFORE
THE IF STATEMENT.

2C

*
P15044 CQ519

STARTLN ALL FUNCTION DOES NOT START
ALL LINES. A PTF NO. 15044 HAS BEEN SENT TO
LOCKHEED FOR THE CONTROLLED RELEASE. THIS PROBLEM
HAS BEEN FIXED IN PTF 12202-13.

2C

*
P15085 F0500

OPT EQ 1 OR 2 PROGRAM WITH MULTIPLE
ENTRY POINTS GENERATES BAD DISPLACEMENTS FOR EVERY
BRANCH IN PROGRAM, INCLUDING THE BRANCH OUT OF THE
PROLOGUE. THIS PROBLEM HAS BEEN FIXED IN RELEASE 14.

2C

*
P15110 F0500

AN IMPLIED -DO-, WITH THE RANGE OF THE
-DO- IN COMMON, MAY GENERATE TWO SUCCESSIVE LOADS. THE
SECOND ONE OVERLOADS THE PREVIOUS CORRECT ONE UNDER OPT
EQ 2.
AS FAR AS WE CAN ESTABLISH, THE CODE PRODUCED IS CORRECT.
TO BE ABSOLUTELY CERTAIN IT WOULD BE NECESSARY TO OBTAIN
ALL THE ROUTINES AND DATA REQUIRED FOR EXECUTION.

2C

*
P15218 CI535

F03 WAIT WITH A PROGRAM CHECK IN
IEFVM1 WHILE INITIATING A JOB WITH NO STEPS.

2C

*
P15223 AS037

LITERAL GETS WRONG DISPLACEMENT.

2C

*
P15244 CI505

DURING STATE 1 OF A SYSGEN, AN ERROR
MESSAGE ./IEU057 SUBSCRIPT EXCEEDS MAXIMUM DIMENSION/.
IS GENERATED IN A FINITE BUT LONG LOOP BY THE
ASSEMBLER. THE STATEMENT FLAGGED IS NOT IN ERROR.

2C

*
P15248 CI505

RUNNING FORTRAN OVERLAY WITH E44
L.E. PROGRAM TERMINATES WITH MESSAGE -DDNAME
PRINTED HAD SYNCHRONOUS ERROR-.
YOUR JOB WAS RUN AGAINST A REL 14 LEVEL OF THE
SYSTEM AND THE JOB RAN PROPERLY.

2C

*
P15252 AS037

THE OP CODES -ADD-, -ADDR-, AND SEVERAL
OTHER OP CODES HAVE BEEN REMOVED FROM THE OP CODE
TABLE IN REL.14.

2C

*
P15293 FO500

THE COMPILER GENERATES INCORRECT CODE
FOR A REFERENCE TO FUNCTION AMOD SUCH THAT NEGATIVE
ARGUMENTS PRODUCE INCORRECT RESULTS. AN ADD
NORMALIZED INSTRUCTION IS USED INSTEAD OF AN ADD
UNNORMALIZED.

2C

*
P15303 CI505

SYSTEM OF2 ABEND WHEN JOB CARD HAS A
PROGRAMMERS NAME WITH SPECIAL CHARACTERS BUT IS NOT
ENCLOSED WITH APOSTROPHES.

2C

*
P15323 FO500

UNDER OPT EQ 2, THE TEMPORARY BASE
REGISTER ASSIGNED TO A COMPLEX ASTERISK 16 ARRAY, RECEIVED
AS ARGUMENT BY A SUBROUTINE, IS INCORRECT. TEMPORARILY,
USE OPT EQ A.

2C

*
P15331 NL511

WHEN OPTION LIST -DECKIC, C60- IS
SPECIFIED ON THE EXECUTE CARD, -C60- IS NOT RECOGNIZED AS
A KEYWORD AND DEFAULT OPTION -CHAR48- IS USED.

2C

*
P15344 F0092

PTF 8419-13 CAUSES THE COMPILER TO APPEND AN EQUAL SIGN TO A SUBPROGRAM NAME, INSTEAD OF A POUND SIGN.

2C

*
P15425 F0500

THE COMPILER FAILS TO CAUSE A RETURN TO A NUMBERED STATEMENT IN A CALLING PROGRAM WHEN THE RETURN IS OF THE FORM RETURN -STATEMENT NUMBER-. THE RETURN IS ALWAYS TO THE STATEMENT FOLLOWING THE CALL IN THE CALLING PROGRAM.

2C

*
P15427 F0520

WHEN USING DEBUG, IF THE SUBTRACE OPTION IS SPECIFIED, OUTPUT CONSISTS OF MEANINGLESS CHARACTERS IN PLACE OF THE SUBPROGRAM NAMES.

2C

*
P15448 CI505

READER INTERPRETER NOT FLAGGING DSNAME WHICH HAS SYNTAX ERROR DUE TO MISPUNCHED CARD. THIS RESULTS IN A SEEK-LOOP WHEN PROCESSING A GDG DATA SET.

2C

*
P15449 CI505

F13 ABEND WHEN OPENING A DUMMY DATASET.

2C

*
P15456 F0500

FOR OPT EQ 2, BAD CODE IS GENERATED IN A SUBROUTINE FOR AN ASSIGNMENT STATEMENT WITHIN A DO LOOP WHEN THE RESULT VARIABLE IS SUBSCRIBED, APPEARS ALSO ON THE RIGHT SIDE OF THE STATEMENT, AND IS AN ARGUMENT IN THE SUBROUTINE.
CC--0005

2C

*
P15469

CI505

DISP EQ ./,KEEP/. IS REJECTED FOR UNITS
18A-18C.

2C

*
P15508

CI535

WHEN MORE THAN 20 VOLUMES ARE USED
FOR A DATA SET THE JFCB EXTENSIONS ARE CHAINED
INCORRECTLY.

2C

*
P15533

FD520

THE COMPILER TERMINATES WITH AN OC5 ABEND
AFTER PRINTING THE STORAGE MAP WHEN THERE IS A SUBSCRIPT
ERROR IN THE SOURCE CODE AND THE MESSAGE -IEY012I SUB-
SCRIPT ERROR- IS PRINTED.

2C

*
P15552

FD500

IN OPT EQ 2 THE COMPILER MAY
GENERATE BAD CODE ./IN THE FORM OF 2 SUCCESSIVE
LOADS INTO A REGISTER/. FOR THE FOLLOWING SEQUENCE
OF INSTRUCTIONS--
Z EQ X
Y EQ Y ASTERISK Z
WHEREIN Y AND Z ARE REAL ASTERISK 8 VARIABLES
AND BOTH APPEAR IN COMMON.

2C

*
P15611

CI505

LABEL CSCHCMP PLUS 16 WAS CODED AS CLC
8./TSTREG/.,8./WKREG2/. IN REL. 13. THIS CAUSES A COMPARE
AGAINST A RANDOM FIELD ./ABSOLUTE LOCATION 8/. INSTEAD OF
TASK PRIORITY AND THUS CAUSES A DEGRADATION OF THE HIGH
PRIORITY PARTITIONS IF LOWER PRIORITY PARTITIONS HAVE
A LOT OF I/O ACTIVITY.

2C

*
P15715 F0500

 THE CROSS-REFERENCE ROUTINE
./XREF/. DOES NOT CROSS-REFERENCE COMPLEX
VARIABLES CORRECTLY.

MODULE -- IEKXRF

*
P15721 F0500

 THE COMPILER INVALIDLY ISSUED
IEK352I FOR A TYPE STATEMENT WITH INITIALIZATION
VALUES AND FAILED TO INITIALIZE AN ARRAY PROPERLY.

2C

*
P15723 UT506

 USING THE REPRO FUNCTION OF IEBUGTE
TO COPY A DATA SET THAT CONTAINS IEBUGTE CONTROL
STATEMENTS CAUSES TERMINATION OF THE JOB STEP.

2C

*
P15731 CI505

 IF A DD STATEMENT SPECIFIES A TAPE
WITH SPECIFIC VOLUME SERIAL INFORMATION AND AVR
IS IN THE SYSTEM, AVR WILL ASK FOR A TAPE WITH
THAT VOLUME SERIAL TO BE MOUNTED. IF A TAPE WITH
THAT VOLUME SERIAL IS NOT AVAILABLE TO BE MOUNTED
THE SYSTEM WILL LOOP AND THE JOB CANNOT BE CANCELLED.

2C

*
P15757 CI505

 AN RQE ON THE FREELIST MAY HAVE A
LINK FIELD POINTING TO ITSELF IF IOS HAD LEFT IT
ON THE SEEK QUEUE AFTER STARTING DATA TRANSFER. THEN,
PURGE FREED THE RQE TWICE ./OFF UCBLTS AND THE SEEK
QUEUE/..

2C

*
P15805 CI505

AFTER 2321 IS STARTED IOS USES SEEK, SET FILE MASK, AND TIC CHANNEL PROGRAM. AFTER SIO IS ISSUED TO 2321 IOS GOES ON TO CHANNEL ONE TO START 2314. DUE TO 2321 SLOW SPEED IOS CHANGES THE TIC ADDRESS TO 2314 CHANNEL PROGRAM BEFORE 2321 USES CCWS. 2321, THEREFORE, USES CHANNEL PROGRAM FOR 2314 WHEN CCWS ARE FETCHED.

2C

*
P15914 CI505

THE PARM OVERRIDE CARD ON AN EXEC CARD HAD A MISSING RIGHT PARENTHESIS WITH A COMMA IN ITS PLACE AND CONTINUATION IN COLUMN 72. THIS CAUSED SCHEDULER TO ABEND.

2C

*
P15915 FO500

IN A SUBROUTINE, THE IMAGINARY HALF OF A COMPLEX CALL-BY-NAME ARGUMENT IS NOT ADDRESSED PROPERLY.

2C

*
P16012 CI505

IF SYSIN DD CARD IS MISSING, THE COMPILER HANGS -- CANNOT CANCEL JOB. YOU MUST RE-IPL THE SYSTEM.

2C

*
P16021 CI505

ERROR MESSAGE IEF150I AND INPUT DATA STREAM FLUSHED WHEN OVERRIDING DD DUMMY WITH DD DUMMY.

2C

*
P16024 CI505

THE SCHEDULER LOOPS WHEN OVERRIDING A
CATALOGED PROCEDURE THAT CONTAINS ERROR JCL.

2C

*
P16041 CI505

THE PROBLEM YOU HAVE DESCRIBED A
DCB IN A DD STATEMENT USING REFER BACK, AND THE DD
STATEMENT BEING REFERRED TO CONTAINS A KEYWORD THAT
IS SPECIFIED IN BOTH DCB STATEMENTS AND THE OVERRIDE
IS NOT TAKING PLACE. THIS IS CORRECTED IN RELEASE
NO. 14.

2C

*
P16056 CI505

CORE FRAGMENTATION MAY RESULT IN
80A ABENDS IN THE SCHEDULER FOLLOWED BY A F03.
THE PROBLEM IS THAT A GETMAIN IS ISSUED IN IEFYSSMB
FOR A LENGTH OF A MESSAGE TO THE OPERATOR PLUS 4
BYTES FOR A MESSAGE LENGTH FIELD. WHEN THE FREEMAIN
IS ISSUED, IT IS FOR THE MESSAGE LENGTH ONLY AND
DOESN-T INCLUDE THE EXTRA FOUR BYTES.

2C

*
P16188 F0500

WITH OPT EQ 0 COMPILER USED NON-EXISTENT
FLOATING POINT REGISTER. COMPILER GENERATED CODE WHICH
DOES A LOAD SHORT TO REG. 14.

2C

*
P16202 CI535

IEF622I UNBALANCED PARENTHESIS IN THE
SPACE FIELD.

2C

*
P16458

CI535

WHEN MSLEVEL EQ 1 ./OR SIGN/. IS
PUNCHED IN JOB CARD, THE SCHEDULER DOES NOT FLUSH
JOB.

2C

*
P16474

F0500

NO LABEL MAP OR STORAGE MAP
FROM BLOCK DATA SUBPROGRAM. THERE SHOULDN-T
BE A LABEL MAP. STORAGE MAP IS PRODUCED BY
RELEASE 15.

2C

*
P16489

F0500

ERROR MESSAGES FOR STATEMENTS FLAGGED
IN A BLOCK DATA SUBPROGRAM WERE NOT PRINTED OUT AT
THE END OF COMPILATION.

2C

*
P16539

F0500

UNDER OPT EQ 2, A TEMPORARY MAY BE
STORED AS A HALFWORD ./STH/. AND LATER BE LOADED
WITH A FULL WORD LOAD INSTRUCTION.

2C

*
P16541

F0500

THE UPPER LIMIT OF A DO-LOOP WAS
NOT SET UP. ./THE COMPARAND REGISTER FOR THE BXLE
IN CONTROL OF THE LOOP WAS NEVER LOADED/..

2C

*
P16564 F0500

COMPILER MAP FOR EQUIVALENCED
VARIABLES WITHIN A COMMON PRODUCES A HEADING LINE
FOR EACH EQUIVALENCED VARIABLE, INSTEAD OF LISTING
ALL VARIABLES UNDER ONE HEADING.

2C

*
P16566 F0500

THERE ARE CERTAIN BUILT-IN FUNCTIONS,
DOCUMENTED IN THE RELEASE 14 FORTRAN -H- PROGRAM
LOGIC MANUAL, WHICH THE COMPILER NEEDS TO COMPILE
ITSELF. THESE FUNCTIONS ARE NOT INTENDED FOR USE
BY THE USER. HOWEVER, IN RELEASE 14 THEY ARE
RECOGNIZED AND EXPANDED. UNDER RELEASE 15 THEY
WILL NOT BE AVAILABLE TO THE USER.

2C

*
P16570 F0500

LITERALS IN PAUSE STATEMENTS ARE
FLAGGED INCORRECTLY WHEN THE FINAL QUOTE IS IMMEDIATELY
PRECEDED BY A DELIMITER.

2C

*
P16616 CB524

ON RELEASE 14, USE OF OPTION 4 OF
THE APPLY CLAUSE ./ASYNCHRONOUS PROCESSING/. MAY
PRODUCE UNPREDICTABLE RESULTS.

2C

*
P16703 F0500

THE PROCESSING OF AN ASSIGNMENT
STATEMENT WHICH HAS ITS VARIABLES IN COMMON AND IS
WITHIN THE RANGE OF A DO STATEMENT, MAY CAUSE TWO
SUCCESSIVE LOAD INSTRUCTIONS TO BE GENERATED INTO THE
SAME REGISTER.

2C

*
P16727 F0500

 COMPILER TERMINATES WITH IHC210I AND
 COMPILATION DELETED 2 MESSAGE. PROBLEM DOES NOT
 EXIST ON REL 15.

2C

*
P16790 CI505

 SCHEDULER ABENDS IF A PERIOD IS
 PUNCHED RATHER THAN A COMMA IN A CONTINUATION
 STATEMENT AND ALSO WHEN DCB PARM IS IN ERROR.

2C

*
P16836 F0500

 REGISTER 2 IS LOADED WITH AN ODD
 VALUE, AND A LOAD FROM REGISTER 2 CAUSES AN ABNORMAL
 END WITH IHC210I.

2C

*
P16871 F0500

 UNDER OPTEQ2, THE COMPILER MAY FAIL TO
 GENERATE THE FINAL STORE FOR AN ARITHMETIC ASSIGNMENT
 STATEMENT.

2C

*
P16893 F0520

 THE PROGRAM SUBMITTED COMPILES
 CORRECTLY IN 55 MINUTES USING RELEASE 15 ON THE
 MODEL 50. THE LONG COMPILATION TIME IS DUE TO THE
 UNUSUALLY LONG ASSIGNMENT STATEMENTS IN THE PROGRAM.

2C

*
P17001 F0500

COMPILATION DELETED 2 - IHC210I PROGRAM
INTERRUPT C5 PROGRAM CHECK PHASE SWITCH 10 MESSAGE. FORT H
PROGRAMMER-S GUIDE C28-6602-2 APPENDIX D PAGE 95 EXPLAINS
COMPILER DIAGNOSTIC MESSAGES.

2C

*
P17036 F0500

WHEN USING A FORMAT STATEMENT WITH
./F30/. AND WRITING A VALUE OF 0.0, 0.0 IS PRINTED
INSTEAD OF 0..

2C

*
P17053 CI505

SCHEDULER DID NOT RECOGNIZE JCL ERROR.

2C

*
P17142 F0500

THE COMPILER FAILS TO GIVE DIAGNOSTIC
IEK500I WHEN THE MODE OF AN ARGUMENT IS INCORRECT
FOR ANY OF THE BUILT-IN FUNCTIONS REAL, SNGL, AND
AIMAG.

2C

*
P17283 F0500

UNDER OPT EQ 2, THE COMPILER MAY
GENERATE INCORRECT CODE FOR STATEMENTS SUCH AS THE
FOLLOWING'

COMPLEX ASTERISK 8 C
C EQ CMLX./A,B/.
D EQ CABS./C/.

THE TWO STORES ./REAL AND IMAGINARY/. INTO C, FOR THE
FIRST SOURCE STATEMENT, MAY NOT BE DONE, AND THE WRONG
ARGUMENT MAY BE PASSED TO THE LIBRARY ROUTINE CABS.

2C

*
P17341 CB524

ON RELEASE 14, USE OF THE OPTION 4
OF THE APPLY CLAUSE ./ASYNCHRONOUS PROCESSING/. MAY
PRODUCE UNPREDICTABLE RESULTS.

2C

*
P17402 F0500

SUBROUTINE CAUSES COMPILER TO LOOP
UNDER OPT EQ 2. PROBLEM FIXED IN RELEASE 15.

2C

*
P17444 F0500

INDEX REGISTERS IN QUESTION ARE USED TO
INDEX IFUEL IN THE LOOP WHICH INCLUDES STATEMENT LABELS
5130, 5140, 5150, AND 5160. THESE REGISTERS ARE NOW
INITIALIZED CORRECTLY, AND AS FAR AS WE CAN DETERMINE FROM
THE LISTING OUTPUT BY RELEASE 15, EXECUTION RESULTS SHOULD
BE CORRECT. IF NOT, PLEASE SUBMIT ENTIRE EXECUTION DECK
UNDER A NEW APAR NUMBER.

2C

*
P17518 F0500

UNDER OPT EQ 2, THE BASE REGISTER
FOR A COMMON VARIABLE IN A DO LOOP MAY NOT BE
PROPERLY LOADED.

2C

*
P17610 F0500

COMPILER ABENDS WITH IHC210I IN
COMPILER ROUTINE IEKRFL.

2C

*
P17727 F0500

 COMPILATION OF -AND- FUNCTIONS OR
-OR- FUNCTIONS MAY ABEND IN ROUTINE IEKVAD.

2C

*
P17864 F0500

 SINCE YOU FAILED TO SEND SUBROUTINE
DPMTML, WE COULD NOT EXECUTE THE COMPLETE PROGRAM.
HOWEVER, ALL EIGENVALUE AND EIGENVECTOR ANSWERS
HAVE BEEN CORRECTED IN RELEASE 15. WE, THEREFORE,
CONSIDER THIS APAR CLOSED. IF THERE ARE FURTHER
PROBLEMS WITH FOR01015, PLEASE SEND A COMPLETE DECK
UNDER A NEW APAR NUMBER.

2C





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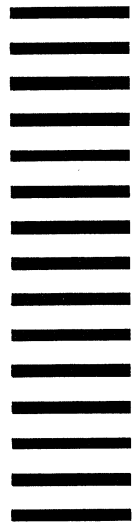
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