IBM

March 1969

MEMORANDUM TO: Users of Operating System/360

SUBJECT: Release 17

This memorandum announces the availability of Operating System/360,
Release 17. Orders may now be submitted.

Included with the pre-punched order card are the following:

    1. Memo to Users
    2. Maintenance Prose
    3. System Prose, Fixed
    4. The following Publications:

            a. C28-6539-8 Job Control Language
            b. C28-6550-5 System Programmers Guide
            c. C28-6551-7 Storage Estimates
            d. C28-6554-5 System Generation

The attachment to this memorandum describes the features, functions
and over 65 Incremental Improvements added to Operating System/360.
In addition, this release includes corrections to more than 900 APARs,
of which, over 850 are above and beyond those contained in the Re-
lease 16 FORTRAN Update Package. These APAR corrections eliminate over
45 conditions which formerly required a system re-IPL. Release 17 con-
tains permanent corrections for: 132 PTFs, of which 119 are above and
beyond those contained in the Release 16 FORTRAN Update Package, and
72 System Prose restrictions.

Attachments

cc: FE Managers   1V062A
     SE Managers

TABLE OF CONTENTS

Publication Considerations

Information regarding the Model 65 Multiprocessing feature will appear in OS/360 SRL's distributed with Release 17. The information related to Multiprocessing is to be used for planning purposes only.

System Considerations

1. Minimum Design Point

The recommended minimum nucleus for an MFT System has increased in Release 17 over that needed in Release 15/16. Enhancements to system availability and reliability, plus functional improvements contributed to this increase. The minimum requirement is now 32k or 34k depending on whether SER0 or SER1 is selected. For details see the IBM System/360 Operating System Planning for Multiprogramming with a Fixed Number of Tasks (MFT), C27-6939, and the IBM System/360 Operating System storage estimates, C28-6551, SRL's.

2. Sysgen

The user will suffer a throughput performance degradation of 10% to 50%, depending on the job stream in question, if he allocates in other than cylinder mode (i.e. "track" or "block" mode) and he includes secondary allocation (multiple extents). Therefore, in order to take full performance advantage of the Concatenated Multi-Extent Linklib, Multi-Extent SVCLIB feature with Release 17, it is necessary to sysgen with space allocation in the cylinder mode. If this is not done, there will be an increase in run time caused by added direct access seek time.

3. Secondary Allocation

After making additions to SYS1.SVCLIB, SYS1.LINKLIB, or data sets concatenated to SYS1.LINKLIB via LNKLST00, and before using the additions, IPL should be performed to update the description of the LINK and/or SVC library in main storage.

If SYS1.PARMLIB does not include the member LNKLST00, SYS1.LINKLIB will be used as the system Link library and a warning message will be provided.

4. Customization

Customization is no longer supported for OS/360 users. If you still have need for this service, contact your IBM representative.

CHECKPOINT/RESTART   360S-CI-505
                                                     360S-CI-535

A new Checkpoint/Restart facility has been added to OS/360. It supports programs running under PCP and MVT. It is a significant advance over the current Checkpoint/Restart approach in that new system features are added and existing OS/360 facilities are utilized more efficiently in a multiprogramming environment.

A checkpoint of the user's program, including the status of his data sets, is taken when specified by a Checkpoint macro in the user's program. At the time of the checkpoint, the control program automatically quiesces I/O for the user's data sets and the system writes a checkpoint data record of the status of his storage space and the information necessary to reposition his data sets. The checkpoint data record is used to restart the user's program under operator or programmer control.

Note:

If a checkpoint has been taken using a release prior to Release 17, a subsequent restart will not be successful if attempted using Release 17.

Features:

Automatic Restart under Operator Control: Prevents lost time in resubmitting jobs that encounter I/O failures that can be corrected by substitution of a tape or disk volume. The installation can specify, with no JCL changes, up to 10 user ABEND completion codes in addition to the system codes that are acceptable for automatic restart. In MVT the operator can delay the automatic restart that would otherwise be done immediately by replying HOLD to a WTOR.

Deferred Restart under Programmer Control: The programmer can resubmit a job with appropriate JCL changes for restarting at a specific checkpoint or at a specific step.

Step Restart in Addition to Job Restart: Permits jobs to be restarted at the beginning of a step or at a checkpoint previously taken within a step. Users who do not use the checkpoint facility can take advantage of this feature to start a job at a step of a procedure.

Suppression of Checkpoints and Restarts through JCL: The user may not have enough devices to write the checkpoint records and/or may wish to improve the performance of the run. Checkpoints and restarts may be suppressed by overriding the cataloged procedures or by changing the JCL in the input stream.

End of Volume Exit Routine to Permit Checkpoints to be taken at the time End of Volume occurs: The user's End of Volume Exit Routine for BSAM or QSAM is given control after volume switching and all necessary label processing has occurred for tape or DASD devices.

Automatic Quiescing of I/O Operations: The user will no longer be required to insure that his I/O requests quiesce before he issues the Checkpoint macro.

The Checkpoint data sets are written by BSAM or BPAM: Permits writing of checkpoint data records on all DASD and Tape Devices that are supported by BSAM or BPAM.

CAUTION:

If the user plans to use ADVANCED CHECKPOINT/RESTART with Release 17, the RESIDNT operand field of the SUPRVSOR macro must have a value RESIDNT=ACSMETH in a Primary Control Program System, a value RESIDNT=RENTCODE in an MVT system.

The above is true whether the CKPTREST macro is used or omitted, when the facilities of ADVANCED CHECKPOINT/RESTART are to be used.

The Checkpoint/Restart Facility works in Conjunction with System Restart: Jobs that are eligible for restart are automatically restarted during the System Restart procedure under operator control.

Without change, programs using the current Checkpoint Macro can run under the new facility: Users may wish to make changes to their Checkpoint macro to gain advantage of the new facility, such as the return of the CHECKID (checkpoint identification) to the programmer. The user can control the generation of the CHECKID.

MAIN STORAGE HIERARCHY SUPPORT FOR THE 2361 CORE STORAGE (LCS) MODELS 1 and 2.

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

Main Storage Hierarchy Support for the 2361 Core Storage (LCS) Models 1 and 2, is an optional feature supported under PCP, MFT and MVT. Main storage is divided into two hierarchies, (LCS and Processor Storage) and either may be selected under user control.

Performance:

With Main Storage Hierarchy Support, LCS may improve system performance by:

- Reducing overlay requirements through the use of larger data sets.

- Easing program complexities with increased main storage size.

- Improving multiprogramming by increasing the number of jobs which can by executed concurrently.

Features:

- New system-defining parameters that permit initial allocation of main storage in either or both hierarchies

- Dynamic storage allocation from either hierarchy.

- Dynamic program loading into either hierarchy.

- Scatter loading with or across hierarchies.

Equipment Configuration:

No additional equipment is required. Because of component restrictions, I/O transfer operations between System/360 Models 50,60,75 and LCS can cause overrun. For overrun considerations in the Model 50, see the IBM System/360 Model 50 Functional Characteristics SRL (A22-6898). On the Models 65 and 75, data tranfer from the 2314 and 2303 to LCS may result in overrun and cause an I/O retry. Transmission between the 2301 and LCS is not possible.

Any Operating System or user program which resides in LCS and requests data transfer for direct access devices may cause overrun on a Model 50. System readers and writers which reside in LCS will cause overrun on a Model 50.

BTAM/QTAM WTCTTY   360S-CQ-513

                                          360S-CQ-519

The Basic and Queued Telecomminications Access Methods under OS/360 have been extended to provide programming support for World Trade Telegraph terminals.

This support enables the IBM 2701, 2702, and 2703 to control the transfer of data between IBM System/360 and certain World Trade Telegraph terminals over leased point-to-point telegraph lines (single-current or double-current) at speeds of 50, 75 or 100 bits per second. Transmission may be in

simplex mode or half-duplex contention mode using either the five-bit International Telegraph Alphabet #2 Code or the ZSC3 Figure Protected Code.

The programming support operates with any of the 2701/2702/2703 World Trade telegraph features.

Telegraph terminals supported are:

> Siemens T37, T68 and T100
> Lorenz LO 15C and LO 133
> Creed Models 75 and 444
> Olivetti Type T2
> Sagem Model SPE

Terminal components supported are:

> Keyboard
> Printer
> Paper Tape Reader
> Paper Tape Punch

Telegraph terminal features supported are:

1. Motor-On
2. Automatic Answerback unit

SORT/MERGE 360S-SM-023

The Sort/Merge Component has been improved to include:

- Support of the 2321 data cell as an I/O device.

- Support of the 2420-7 tape drive as an I/O or work device.

- Consideration of the 2870 multiplexor channel capabilities in optimization.

- Acceptance of Blocked SYSIN

Input and output support for VRE (Spanned Records) is provided. However, the restriction that logical record length must not exceed the track length of the device being used for intermediate storage remains in effect. Maximum record length for a tape sort continues to be 32,000 bytes.

An improvement has been made in the 2314 disk sort. The minimum work areas have been lowered from six to three and the balanced technique is used when less than six work areas are given. If more than six work areas are given, the crisscross technique is always used. If six work areas are given, a new option will allow the user to select the

technique at execution time. If no technique is selected by the user, Sort will use the balanced technique.

The new System Checkpoint/Restart facilities in this release are supported by the Sort/Merge component. The option of taking checkpoints is extended to the intermediate merge phase of polyphase and oscillating tape sorts as well as balanced disk and drum sorts. The option has not been extended to the 2314 Sort using more than six work areas (criss-cross technique).

Performance

The user may realize a performance improvement of up to 12% for 2301/2311 Sorts, with no change for small file/large core Sorts where phase 2 is omitted.

The user may realize a performance improvement of up to 20% for 2314 Sorts using less than seven work areas; maximum improvements will occur with from one to three devices for Sort work space.

SATELLITE GRAPHIC JOB PROCESSOR   360S-RC-543

The Satellite Graphic Job Processor (SGJP), an extension of the Graphic Job Processor, permits OS/360 job definition and initiation from a 2250 Display Unit attached to a remote 1130 Computing System. SGJP enables the user who is unfamiliar with either the 1130 or OS/360 to define an OS/360 job to run in conjunction with a related 1130 program. OS/360 system messages are routed by SGJP to the 1130 for optional printing. The programming to transmit control information and data between the programs in each processor is not provided by SGJP and must be part of the application. FORTRAN Subroutines for Data Transmission between a System/360 and an 1130 system will normally be used for this purpose.

From the 2250, SGJP can also be used to specify and queue OS/360 jobs for normal batch processing under MFT or MVT. Output from these jobs is produced as normal OS/360 output, and not routed to the originating 1130.

Up to 15 remote 1130/2250 systems can be attached to a System/360 for SGJP operations. If GJP is being used, the number of batch partitions or regions, plus the number of local 2250's (for GJP operations) plus the number of 1130/2250 systems (for SGJP operations) must not exceed 15.

SGJP facilitates the initiation of jobs by requesting OS/360 and the related 1130 job control information from a user through a series of displays. The user responds to the displays by entering requested information or by selecting appropriate options with the light pen or the alphameric

SGJP enables the remote 1130/2250 user to:

- Identify himself to the OS/360 (LOG ON).

- Define and start execution of an OS/360 procedure as a job (BEGIN PROCEDURE)

- Define an OS/360 program or cataloged procedure to be executed as a job step (SPECIFY JOB STEP)

- Define data sets to be used by the OS/360 program (DESCRIBE DATA)

- Define an 1130 program to run in conjunction with the OS/360 program (SPECIFY 1130 PROGRAM)

- Start execution of the specified OS/360 and 1130 programs (BEGIN JOB)

- Communicate with the OS/360 Operator (WRITE MESSAGE).

- Enter 80-character data records to be used by the OS/360 program (ENTER DATA)

- Delete a job he is currently defining, but has not yet initiated (CANCEL JOB).

- Re-examine previously completed job control operations (RECALL).

- Conclude his job definition and prepare the 2250 for the next user (LOG OFF)

System Requirements

- An IBM 1130 Computing System including:

- The 1130 Monitor System, Version 2 with at least 16K of core storage and the Synchronous Communications Adapter.

- An 1132 Printer or 1403 Printer (If a printed record of operations performed is desired).

- A 1442 Card Read/Punch, or a 2501 Card Reader and a 1442 Card Punch.

- A 2250 Display Unit Model 4 equipped with the light pen and alphameric keyboard.

- Operating System/360 MFT or MVT

- A 2701 Data Adapter Unit or 2703 Transmission Control Unit capable of supporting Binary Synchronous Communications in half-duplex, point-to-point environment. The 2701 or 2703 must be designated for use with EBCDIC. Users of the Dual Control Feature on the 2701 must specify EBCDIC as Code A. Users of the Dual Communications Interface on the 2701 must specify the 1130/2250 subsystem line as Interface A.

Users who desire to employ switched network data sets will be required to perform their own manual or program controlled procedures to establish the point-to-point environment necessary for the data transmission.

FORTRAN SUBROUTINES FOR DATA TRANSMISSION BETWEEN A SYSTEM/360 AND AN 1130 SYSTEM ;

360S-LM-542

These routines provide for data transmission between a System/360 and a remote 1130 Computing System over established communication lines. The user, by means of FORTRAN CALL statements, can transmit control information and data between two programs, one in the 1130, and one in the System/360. These programs will normally be started in each processor by the Satellite Graphic Job Processor but can be started by any procedure.

Use of the transmission subroutines makes it possible for an 1130 program to use the high speed computational capability and large storage capacity of OS/360, thus increasing the flexibility and efficiency of the 1130 application.

The transmission subroutines use OS/360 BTAM facilities and a specialized Synchronous Communication Adapter subroutine (SCA) under the 1130 Monitor System, Version 2, to accomplish the actual data transmission. However, the FORTRAN programmer will be able to program the data communication with no knowledge of binary synchronous communications.

The transmission subroutines enable the OS/360 FORTRAN programmer to:

- Initialize the communications lines.

- Read and write data via the communications lines.

- Test the status of the previous request for a read or write operation.

- Activate a user-written asynchronous routine in the 1130.

- Terminate the 1130 main-line program.

- Logically terminate the communications hookup.

Similar functions are performed by transmission subroutines available to the 1130 FORTRAN programmer, except that the 1130 does not have the facility to terminate an OS/360 program.

Conversion subroutines are provided to resolve FORTRAN differences between the internal data structure of the System/360 and the 1130. These subroutines (available to the OS/360 program only) perform the following conversions:

1130 integer format to OS/360 integer format, and vice versa.

1130 standard-precision real format to OS/360 double-precision real format and vice versa.

1130 extended-precision real format to OS/360 double-precision real format, and vice versa.

In addition, the conversion subroutines can be used to reverse the main storage position of elements when arrays containing alphameric data are transmitted from one system to the other. This reversal preserves the readability of alphameric messages despite differences in the arrangement of array elements in the two systems.

System Requirements:

- Operating System/360 MFT or MVT. While PCP can be used it is not a practical environment because it does not support multitasking or the Satellite Graphic Job Processor.

- A 2701 Data Adapter Unit or 2703 Transmission Control Unit capable of supporting Binary Synchronous Communications in half-duplex, point-to-point environment. The 2701 or 2703 must be designated for use with EBCDIC. Users of the Dual Code Feature on the 2701 must specify EBCDIC as Code A. Users of the Dual Communications Interface on the 2701 must specify the 1130 system line as Interface A.

- An IBM 1130 Computing System operating under the 1130 Monitor System, Version 2 with at

least 8K of core storage and the Synchronous Communications Adapter.

Users who want to employ switched network data sets will be required to perform their own manual or program-controlled procedures to establish the point-to-point environment necessary for the data transmission subroutines.

REMOTE JOB ENTRY FOR MFT   360S-RC-536

Remote Job Entry under MFT (in 256K or larger) provides facilities identical to those under MVT.

Remote Job Entry provides Operating 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. Except for the addition of a few RJE control statements, this job is identical to a job submitted at a local System/360 card reader.

The job output may be returned 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 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 of Separate Lines may be any combination of:

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

   A minimum of 16K of Core Storage

A 2701 with Synchronous Data Adapter, Type
II, for EBCDIC code with transparency.

A Card Read Punch

A Printer

A 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 Retry Transmission

3. 1130 Computing System

Minimum System Configurations:

System/360 Model 50,65,67 (65 mode), 75, or 91 with 256K
bytes of main storage.

Operating System/360 (MFT) 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
featire 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.
Exact requirements depend on system loading, number of
communication lines and work stations supported. Normally,
less than the capacity of one 2311 Disk Storage Drive is
required.

Core requirements for RJE under MVT and MFT have been reduced 10 to 14K bytes below that required by the initial release of RJE under MVT.

2420 MODEL 7 TAPE UNIT

Support for the 2420 Model 7 Tape Unit provides the following capabilities for the System/360 Models 50, 65, 75 and 91:

- Single capstan drive

- 200 inch/sec tape speed - 320KB data rate/640KB data rate

- Automatic threading

- Two millisecond access - three millisecond gap time

- Cartridge loading (Wraparound Cartridge optional)

- 550 inch.sec in-column rewind

- Compatibility with all IBM 1600 bpi phase encoded tapes

The 2420 Model 7 is attached to System/360 Models 50,65,75, and 91 through the 2803 Model 2 Tape Control Unit (with the 2420 Attachment) connected to a selector channel.

IBM Series/500 Dynexcel Tapes, Heavy Duty Tapes or equivalent must be used.

Parameters that may by used at SYSGEN and/or in JCL (DD) Statements in using the 2420 Model 7 units may be found in their respective SRL publications.

BTAM-2780 ASCII (BSC)   360S-CQ-513

The Telecommunications support under Operating System/360 BTAM with Binary Synchronous Communication (BSC) is expanded to include the USASCII code feature for the 2780 Data Transmission Terminal.

BTAM-MOD 20   360S-CQ-513

The Telecommunications support under Operating System/360 BTAM with Binary Synchronous Communication (BSC) is expanded to include a BSC connection with a System/360 Model 20.

Support is for System/360 Models 40,50,65,67 (65 mode), 75, or 91 equipped with a 2701 or 2703 (with BSC).

The Model 20 must be using BSCA IOCS. For details of the Model 20 BSCA IOCS, refer to the IBM System/360 Model 20 Input/Output Control System for the Binary Synchronous Communications Adapter (Card, Tape, Disk) SRL (C33-4001).

USER LABELS   360S-DM-508

User Label support is provided for physical sequential data sets on volumes with standard labels. A User Label group, i.e., some combination of user header and trailer labels, is an option part of the STANDARD LABEL for data sets. This option allows the user to create up to eight 80-byte records which will be written along with header and trailer labels for sequential data sets. The option also allows the user to examine and update these additional labels. In general, user header labels are created or examined when a data set is OPENed, and user trailer labels are created or examined when end of data set is reached. End of volume situations encountered during sequential processing of a multi-volume data set will also allow the creation or examination of the user labels.

User Label Handling is not supported for Direct Access Devices for Release 17. References to this feature in the publications released with this release are for planning purposes only.

SEQUENTIAL ACCESS METHOD VARIABLE RECORD EXTENSIONS

360S-DM-508

The SAM-VRE modifications extend the existing 'V' type record support to allow for the creation and processing of spanned records. This extended 'V' format enables a logical record to span more than one physical record.

VRE SUPPORT IN UTILITIES   360S-UT-506

Utilities support the Variable Record Extensions that allow a user to cause a logical record to span two or more physical records.

The integrity of the logical record is preserved. Data sets that have been created by the use of QSAM locate mode or BSAM may appear in the output data set as though created by move mode. A block created by use of the TRUNC macro may be combined with another block.

USER LABEL SUPPORT IN UTILITIES   360S-UT-506

User Label Support in Utilities enables the user (via user written routines) to have access to user header and trailer labels. Utilizing user exits, he may then include, exclude, or modify these labels while comparing, printing punching,

generating, or updating data sets. The support provides the user with facilities for further identification and protection of his data sets. Under certain specified conditions, the user labels may be printed, punched, compared or copied as data.

CONTROL PROGRAM INCREMENTAL IMPROVEMENTS

LIST AVAILABLE SPACE AT DISMOUNT TIME

This option provides the operator with the amount of available space on a disk pack at dismount time. The information is furnished in response to an addition to the Display command. The operator may then note externally the amount of space available on the pack. This information may be subsequently utilized to determine which scratch pack may be mounted on a Direct Access device to satisfy a scratch request.

All Scheduler routines effecting dismount invoke a new SVC which will provide the caller with the remaining space on the volume to be dismounted. The output of the SVC indicates total remaining cylinders and tracks divided between x number of areas and the largest extent of the volume. The information is edited and inserted into the dismount message buffer by the SVC routine. If the Space List SVC detects an error condition an appropriate error message is substituted.

No attempt is made to determine if the volume to be dismounted has a nonscratch attribute. The available space is listed in the dismount message regardless of the volume's previous use.

IMPROVED SCHEDULER-DADSM INTERFACE

In the case of requests for volume affinity on direct-access volumes it was possible that the request for volume affinity for subsequent data sets would be ignored in order to satisfy the request for space. Data sets that should have been on the same volume could then be on different volumes. An ABEND could occur in later steps if the data sets were referenced using the volume affinity parameters on the JCL.

With the Improved Scheduler DADSM Interface, the request for volume affinity to a non-specific data set will be honored or the job will be cancelled. In an attempt to honor the volume affinity request, the operator may be directed to mount a scratch pack if all the data sets on the volume were non-specific requests allocated during this step. If it is not possible to mount a scratch pack, then the job is failed.

ABEND-UNMOUNTED CONTROL VOLUME

If a programmer uses a data set cataloged on his own control volume, he must place pointers corresponding to his high level index names in the IPL volume's SYSCTLG data set. Formerly, in order to prevent failure of his job, his control volume had to be mounted when his job was initiated. With the improvement, the system will request that the required control volume be mounted when it is needed for locating a data set.

If the user wishes to prevent the failure of his job by having an auxiliary control volume mounted dynamically at step initiation time, he is required to "disconnect" all auxiliary control volumes which had been connected by previous releases, and "reconnect" these volumes with the current release of the Operating System.

WORK DISPOSITIONS

A message will appear on the line preceding the JOB statement in the message class output only if the job produced output in SYSOUT class (es) other than the message class. This message will list the specific output classes containing data for the job. In addition, SYSOUT data sets containing no data (e.g., SYSABEND) will be deleted at step termination time instead of at SYSOUT Writer time, thus allowing unused direct-access space to be returned to the system as soon as possible.

STEPLIB

The ability to specify a step program library is provided. Program libraries may now be specified as part of cataloged procedures. The ddname //STEPLIB is reserved for this purpose. If a job library is present in the job, the step library will replace it for the step.

IMPROVED ALLOCATION ERROR MESSAGES

Allocation Recovery message IEF247I, which contains the unit name of devices that are off-line or allocated as SYSIN/SYSOUT and therefore unavailable for allocation to a job, will now contain more than one unit name per line. The OFFLINE form of message IEF247I will contain up to ten device names per line and the SYSIN/SYSOUT form will contain up to nine device names per line.

EXTENSION OF SPECIAL CHARACTERS IN JCL

The use of special characters has been extended in JCL. Now acceptable is the hyphen in the serial number of the VOLUME=keyword. The hyphen and the "plus 0" (12-0 multipunch) are acceptable in the DSNAME=keyword. All other

special characters are now also permissable in these two
fields if the parameters are enclosed in quotes.

EXTENDED PARM FIELD

The PARM field extension makes it possible for up to 100
characters of control information to be passed to a
processing program. Previously, the maximum number was 40
characters.

FLUSH DATA AFTER DD DATA IN PCP

The SCHEDULER, in a PCP environment, will now flush data
that follows a DD DATA statement and is not read by the
problem program. Data statements that contained valid JCL
verbs and that may have caused unpredictable results will
also be ignored. When the execute step after ABEND option
is used, steps after a problem program ABEND will be
executed.

EXTENSION TO RESET COMMAND

The RESET command has been extended to allow the priority of
system output jobs to be changed. All output jobs (classes)
or a specific output job (class) for a given job may be
reset. In addition, the command has been extended to allow
a job to be moved from one input queue (job class) to
another input queue (job class) or from one output queue
(SYSOUT class) to another output queue (SYSOUT class).

BEGIN EXECUTION AT OTHER THAN THE FIRST STEP

This improvement (applicable to PCP and MVT systems only)
allows a job to be executed at other than the first step
whether the job is in the input stream or in a cataloged
procedure. A new keyword called 'RESTART' has been added to
the JOB statement to indicate the step to be executed.

BLOCKED PROCLIB/PARMLIB

This improvement allows SYS1.PROCLIB blocking and creates a
new system data set for those items that must remain
unblocked. The Blocked PROCLIB portion of this improvement
allows the user to block his PROCLIB to any size that is a
multiple of 80. Blocking PROCLIB will save library space
and improve Reader/Interpreter performance.

The PARMLIB portion of this improvement consists of the
creation of a new system data set (SYS1.PARMLIB) during
system generation. This partitioned data set may reside on
any direct access volume but, if it does not reside on the
system residence volume, then it must be cataloged. The
PARMLIB contains the RAM, BLDL, RSVC, and PRESRES lists that

were formerly in in SYS1.PROCLIB and have been moved because they must be unblocked.

FAIL SOFT

Under MVT or MFT the execution of Fail Soft results in a graceful degradation of the availability of certain system resources when the system is to be placed in a permanent WAIT state.

Fail Soft is defined as:

1. An isolation and freeze of the ABENDing partition (MFT) or region (MVT).

2. A capability for the system to continue processing while maintaining the failing partition or region for error analysis following final system quiescence.

Restrictions

1. Should a program check occur during execution of Fail Soft code, only a subset of the Fail Soft function would be performed prior to the issuance of an SVC wait.

2. An ABEND in the communications task could prevent messages from reaching the console.

The ability of the system to continue processing depends upon the nature of the problem that caused the ABEND. If the cause of the ABEND was of a catastrophic nature, the entire system will quiesce rapidly.

A Stand Alone dump should be taken when processing has quiesced.

STAE

STAE is programming support that provides the user with the ability to specify a routine to receive control in the event an ABEND is about to be executed for the user's task. The user routine is executed instead of the ABEND and the routine has the option of attempting to continue execution of the task or permit the normal ABEND processing of the task to continue.

CONCATENATED MULTI-EXTENT LINKLIB, MULTI-EXTENT SVCLIB

This improvement gives the user the option to specify up to 16 extents for SYS1.LINKLIB and SVCLIB. In addition, up to 16 cataloged partitioned data sets may be concatenated to

form the system link library. The allocation necessary for SYS1.LINKLIB may exceed the capacity of a given device.

SYS1.ACCT DATA SET FOR MFT/MVT

This improvement makes the SYS1.ACCT data set available to MFT and MVT users for job accounting purposes.

PUNCH CHECK RECOVERY

QSAM provides punch check recovery for the IBM 2540 Card Read Punch if three or more buffers are specified by the user. However, the recovery routines were not reached if an error occurred in either of the last two cards. This improvement allows the recovery routines to be reached by causing two blank cards to be 'PUNCHED' after the last user buffer has been cleared.

READ OPPOSITE

This improvement provides for the potential decrease of permanent READ errors by allowing rereading of tapes in the opposite direction when a READ operation has been unsuccessful and recovery is being attempted.

REDUCED TAPE ERROR RECOVERY

Certain applications exist in which the cost of executing the standard tape error recovery procedure may exceed the value of the additional information obtained. In some cases, it is known in advance that the tape contains records that cannot be successfully read. This improvement will allow the user to request that only minimal error recovery action be taken by the system.

IMPROVED IOS ERROR MESSAGES

More information is now available in the console message when an I/O error occurs. If the error can be simply determined, a verbal description will replace the "I/O ERR" portion of the message text. For tape errors, the block count of the error record (a positional indicator) will be included in the message. For direct-access and tape errors, the volume serial of the file in error will be in the message. The job name of the job in which the error occurred, if it can be determined, will also be in the message.

The new message offers the following advantages:

1. Error conditions are more precisely defined.

2. Positional information is noted for sequential data sets.

3. Files on which many errors occur will stand out due to repetition of the volume serial.

4. The job name is available to CANCEL.

INCREASED RETRY FACILITY FOR 2540 CARD READER

Five retries are now provided upon occurrence of a read data check (validity check) on the 2540 Card Reader. The operator will have five chances to correct an improperly punched card where, in the past, only one retry was allowed. On the sixth occurrence of the error (for the same card), an I/O error message will be written on the operator's console and the operation will be considered in error.

ADDITIONAL SHARED FILE SUPPORT

This support supplements the Shared DASD option of OS/360 available in Release 15/16. The support includes the following additional devices and control units:

1. 2841 Control Unit with two-channel switch feature:

   2303 Drum Storage

   2321 Data Cell

2. 2820 Control Unit with two-channel switch feature:

   2301 Drum Storage

The optional channel path support allows the user to have up to three paths to a 2314 drive when it is equipped with the 2844 Auxiliary Control Unit, and each control unit has the two-channel switch feature installed. This support also includes the capability of a system SYSGENed for Shared DASD to operate in a non-shared DASD environment.

JOB STEP TIMING IN MFT

This improvement provides the capability of determining the CPU time of each job step in a problem program, and accumulates these times to determine the time for a job. The results are passed to the user's accounting routine.

This programming facility is optional with the interval timer and user accounting routine facilities in MFT.

MVT AUTOMATIC SYSIN BATCHING (ASB) READER

MVT ASB Reader solves the problem of having 36K bytes of dedicated core for the JCL interpretation routines. The ASB Reader separates the interpretation of JCL from the initial reading of the input stream and spooling of SYSIN data sets. A temporary region is obtained dynamically for the interpreter routine after an appropriate number of jobs have been accumulated. The result is a more efficient use of core storage.

BISAM-AUTOMATIC FREEDBUF

Previously, the user of BISAM issued either a WRITE K or a FREEDBUF to remove the IOB from the Update Queue and to return the buffer to the pool if dynamic buffering was used. FREEDBUF can be used only for dynamic buffering; this poses a problem if the user chooses not to WRITE and is not using dynamic duffering.

BISAM will now return any buffer to the buffer pool automatically if two consecutive READ K or READ KU's attempt to use that buffer with no intervening FREEDBUF or WRITE.

SYSGEN INCREMENTAL IMPROVEMENTS

2314 SUPPORT FOR LESS THAN 8 DRIVES

A new feature in the IODEVICE Sysgen macro allows the user to Sysgen a 2314 with less than 8 drives. This feature is useful when a common 2314 8-drive unit is split between two independent systems. In addition, the operator does not have to resort to the VARY OFFLINE procedure nor respond to the allocation recovery message for drives that are not available.

MACLIB TAILORING

SYS1.MACLIB may now be tailored to suit the customer's needs. By using the EXCLUDE parameter in the MACLIB macro, QTAM, BTAM, Graphics, or Testran macros may be excluded from the copying of SYS1.MACLIB during Stage II of Sysgen.

SPLIT MODLIB PROCEDURE

SYS1.MODLIB has been split into component libraries. Because of the new library structure, there is a time saving in the MOVE/COPY steps during Stage II of Sysgen.

SPLIT GENLIB

Due to growth, SYS1.GENLIB and SYS1.MACLIB can no longer be distributed on one 1316 disk pack. Therefore, SYS1.GENLIB

has been split into two libraries, SYS1.GENLIB and SYS1.MODGEN. SYS1.GENLIB will reside on one 1316 disk pack while SYS1.MODGEN and SYS1.MACLIB will reside on another. The macros necessary for Stage I of Sysgen will continue to reside in SYS1.GENLIB, while those macros used in Stage II of Sysgen will be located in SYS1.MODGEN.

SYSGEN UNDER MVT

Sysgen using an MVT generating system is now supported. The user may specify (in the SYOUTDV parameter of the GENERATE macro) a unit generic, or esoteric name where he wishes to place the SYSOUT data sets. The SYSOUT data sets are defined by the SYSPRINT cards in Stage II of Sysgen. The user may also indicate, through the second parameter of the SYOUTDV keyword, the number of devices to which a SYSOUT data set may overflow.

STEP SEPARATION FOR USER MODULE GENERATION

If the user wishes to place modules into SYS1.LINKLIB or SYS1.SVCLIB, the inclusion is performed in a separate step of Sysgen. The user may therefore dismount all unnecessary packs immediately before his user modules are copied. The procedure may save the user a Move/Copy step before Stage II.

SERVICEABILITY AND RELIABILITY INCREMENTAL IMPROVEMENTS

MODEL INDEPENDENT SER   360S-DN-527

With this incremental improvement, it is possible to generate an OS/360 system that will have SER support for more than one System/360 model. A new SYSGEN macro, SECMODS, indicates the models, sizes and SER level of support desired for models other than the one specified in the CENPROS and SUPRVSOR macros. At System Generation Time, the SER modules for the models supported (SER0 and/or SER1) are linkedited into SYS1.LINKLIB. At NIP time, the appropriate SER module is attached to the nucleus.

The new default hierarchy established according to model and size supported is:

For Models 40 through 75, 64K and 128K size, SER0 is the default provided.

For Models 40 through 75, 256K and above, SER1 is the default provided.

For Model 30, SER support is not provided (the SEREP interface is maintained).

For Model 91/95, SER1 is required.

RELEASE 17

SER IMPROVEMENTS

Three improvements have been made to the SER package:

1. The addition of the JOB name and STEP name of the failing task to SER generated records.

2. The printing of the sense labels for I/O Outboard records by the EREP program.

3. The termination of Readers, Writers, and Initiators by SER1 in an MVT system upon the occurrence of a machine check.

SER SUPPORT FOR 2250 OPERATOR'S CONSOLE

This incremental improvement incorporates support for the 2250 as an operator's console in SER1 for an MVT System, Models 50, 65, 75, and 91/95.

OLTEP IMPROVEMENTS

The following improvements have been made to OLTEP:

1. OLTEP now indicates sense and status information when intervention is required on direct access devices, and when the CE volume cannot be recognized on DASD's with demountable volumes.

2. OLTEP now provides a return to CE communications for redefinition of the test run on all data integrity checks.

3. OLTEP now allows the Error Recovery Procedure to be invoked for the purposes of recalibrating following a seek check.

4. OLTEP now forces all communications involving the on-line test CECOM macro to the console

5. Lost I/O Interrupts - OLTEP now forces a 30 second time-out on WAIT when interval timer hardware/software is available, thus providing a return to OLTEP when I/O interrupts do not occur. The timer interruption will offer an option on systems with multi-programming capabilities to continue the WAIT or to purge the I/O request.

6. DATA Protection Bypass - OLTEP now allows an option message to be printed when the CE volume cannot be recognized on direct access

devices with demountable volumes. The options offered allow return to CE communications for test run redefinition or termination, return to attempt to recognize the CE volume again, or execution of partial testing using all commands except writes.

2314 PHYSICAL DRIVE I.D.

With the 2314 address flexibility, the error data previously collected by OBR/SDR was meaningless since it could not be related to a physical drive.

EC 420662 (with prerequisite EC 420919) allows each 2314 physical drive to be identified by a constant address contained in the sense data. Eight UCB's are still associated with a 2314; however, nine entries appear in the statistics table and on SYS1.LOGREC (one entry for each physical drive).

The SYSGEN Macro which allocates statistics records on SYS1.LOGREC now provides nine entries for each 2314.

OBR/SDR was modified so that each statistics table entry and SYS1.LOCREC statistics record directly corresponds to a 2314 physical drive.

EREP modifications include provisions to edit and print 2314 statistical and outboard records by physical identification, and provides the logical address for outboard records.

M91/95 EREP SUPPORT

This incremental improvement corrects several errors in the editing of Model 91/95 logout data by EREP and makes several changes in the format of the output to improve readability.

CCH FOR 75/91

The Channel Check Handler capabilities for 2860 and 2870 channels on a System/360 Model 65 has been extended to now include support for System/360 Models 75 and 91.

UTILITIES INCREMENTAL IMPROVEMENTS

PARTITIONED DATA SET COMPRESSION FACILITY

The COMPRESS parameter of the IEBCOPY utility will invoke in-place recovery of heretofore unusable space in a PDS. The order of both the directory and members will remain the same after compression. The area occupied by the members will be packed so that no imbedded unused space remains

within the defined data set. Data sets must be non-shareable in a multi-programming environment.

IEBUPDTE INCREMENTAL

This improvement provides the capability of updating system and user libraries whose members have multiple alias names. This feature was available in IEBUPDAT but not in IEBUPDTE.

BLOCKED SYSIN FOR OS UTILITIES

Blocked SYSIN/SYSPRINT is now supported in all OS Utilities. QSAM is used with specifications in DCB's for LRECL=80, RECFM=FB (for SYSIN), and LRECL=121, RECFM=FBA (for SYSPRINT). DCB exits are provided to verify that the user provided BLKSIZE is a multiple of LRECL. If this condition is not satisfied, an appropriate message and return code will be given for SYSIN and a return code will be given for SYSPRINT. If a user does not specify BLKSIZE, the Utilities will default to BLKSIZE of 121 for SYSPRINT and 80 for SYSIN.

COMMAND CHAINING IN SYSOUT WRITER

Optional selection of command chaining provides a performance improvement in the SYSOUT Writer. An EXCP routine, which uses command chaining for printing or punching, is used when:

1. The output writer uses machine control characters.

2. There are more than three output buffers specified.

3. PCI is not being used by the output writer.

4. The writer has been started to a unit record device.

DATA SET GENERATOR

The Data Set Generator is a new data set utility which provides a solution to the problem of creating test data sets for program debugging.

Operating in the PCP, MFT or MVT environments of OS/360, the Data Set Generator will create multiple data sets with one job using the Sequential or Partitioned Access Methods. The user may create new, or modify existing, data sets by specifying any of eight modifications to seven data formats.

GRAPHICS INCREMENTAL IMPROVEMENTS

GJP ADDITIONAL PARAMETERS IN SPECIFY FRAME

Two optional parameters added to the Specify Job Step Frame allow the 2250 user to modify control information for the job currently being defined. The priority assigned to a background job is modified by entering a value in the input area of the priority parameter on the Specify Job Step Frame. In an MVT system, Region size assigned to a foreground or background job step is modified by entering a value in the input area of the SIZE parameter on the Specify Job Step Frame.

GJP COLUMN MARKERS IN THE ENTER DATA FRAME

Column markers have been added to the Enter Data Frame to enable the 2250 user to locate the significant columns in the input area. The markers are periods displayed in columns 10, 20, 30, 40, 50, 60, 70, and 80 of each input area. These periods will be overlayed but not erased by data entered from the alphameric keyboard.

GJP MESSAGE WHEN GJP TERMINATES

Whenever possible, a message will appear on the screen when the Graphic Job Processor is terminated because of an internal error or hardware malfunction. The message will have the text

IKAxxxI GRAPHIC JOB PROCESSOR MUST   RESTART

Where xxx is the 3-digit indentifier for the error condition that caused the abnormal termination. Explanations of GJP internal error messages appear in the IBM System/360 Operating System Messages and Codes SRL (C28-6631).

Selected GJP internal error messages will be included in the printed record listing for a GJP session if the printed record option was specified on the Log On Frame. Only those messages significant to the 2250 user will appear in the printed record.

GSP PL/I - COBOL AVAILABILITY

The Graphics Subroutine Package, previously available only to the FORTRAN and Assembly Language programmer, is now CALLable from PL/I and COBOL. The revised SRL, IBM System/360 Operating System Graphic Subroutine Package (GSP) for Fortran IV, COBOL, and PL/I (C27-6932) includes a section on terminology and examples showing how various subroutines can be used in FORTRAN, PL/I, and COBOL.

BASIC GRAPHICS - REMOVAL OF ABEND'S

Return codes are now made available when error conditions are encountered in Basic Graphics. The codes may be interrogated by the user and appropriate action taken. In prior releases, these conditions abnormally terminated the user's program.

PROCESSOR INCREMENTAL IMPROVEMENTS

LINKAGE EDITOR F - INCREASED NUMBER OF ALIASES

This improvement increases the number of aliases that may be assigned to an output module from five to sixteen.

LINKAGE EDITOR F - OUTPUT BLOCK SIZE

An additional editor option (DCBS) is now available for the execute statement parameter field. This option indicates to the allocation routine that a DCB-BLKSIZE field exists on the associated SYSLMOD DD card, and that the value contained should override all other blocksize derivations. This option enables the user to achieve proper output blocksize alignment.

COBOL E RERUN

This language facility allows the COBOL E user to take checkpoints on a particular unit under a record count control specified in a RERUN clause.

COBOL E UNDER MVT

Modifications have been made in the COBOL E cataloged procedures (COBEC, COBELG, COBECLG) to allow the compiler to correctly execute under MVT.

COBOL F RERUN

This language facility allows the COBOL F user to take checkpoints on a particuler unit under a record count control specified in a RERUN clause.

COBOL F - SPECIFY BLOCK SIZE ON DD CARD

The facility is now available to override block size at object time by a DD card specification.

COBOL F - MISSING DD CARD DIAGNOSTIC

COBOL object code that tests for a successful OPEN is now generated. If the OPEN is unsuccessful, a diagnostic message is generated.

COBOL F - MAP SUPPRESSION

A PARM option, SUBMAP, causes PMAP (or the procedure portion of MAP) and linkedit and punch decks to be suppressed if an E-level message is generated by the compiler.

COBOL F - DMAP-PMAP SEPARATION

Four new PARM options are provided:

1. DMAP will indicate that only the glossary is to be listed.

2. NODMAP - override for DMAP.

3. PMAP - only the assembly-like listing items (code, register assignment, TGT's, etc.) are to be listed.

4. NOPMAP - Override for PMAP.

COBOL F - CONDENSED LISTING

A new PARM option, CLIST, indicates that the PMAP (or assembly portion of the MAP) will be a listing in the following format:

Source card number - location - verb

This format would be given only for each verb. The PARM option, NOCLIST overrides CLIST.

FORTRAN LIBRARY I/O IMPROVEMENT

For an unformatted WRITE or READ statement, a Move Character instruction will move up to 256 characters at a time in an array instead of the previous move of one array item at a time.

FORTRAN LOGICAL BACKSPACE

The FORTRAN language BACKSPACE statement can now be used in conjunction with U, V, and F format records. This change improves I/O performance through use of blocking.

In addition, the data set disposition of CLOSE with LEAVE has been changed to CLOSE with DISP.

FORTRAN IN-OUT

A new DD card parameter, OPOVRD, will override OPEN options at execution time for FORTRAN and other BSAM INOUT users. This new facility provides the following:

1. Expiration date protection

2. The ability to read a file protected tape without an operator interface. Formerly, a message was issued to the operator on the console requiring a reply before a protected tape file could be read.

PL/I F COMPILER COMPATIBILITY

Technical newsletter (TNL) N33-6010 to the IBM System/360 Operating System PL/I (F) Programmer's Guide (C28-6594-4) contains, on page 15, two definite compatibility statements for the PL/I F Compiler. The F compiler in this release contains some incremental improvements which make it similar to a new version. Therefore, this level of the PL/I F Compiler is subject to the guarantees and to the restrictions contained in the above referenced compatibility statements.

PL/I COMBINED BRANCH INSTRUCTIONS IN IF...GO TO

Redundant branch instructions which were generated for IF statements with 'THEN GO TO...' or ELSE GO TO...' clauses are now combined to produce more efficient object code.

PL/I IMPROVEMENTS TO XREF tables for BASED items

The following improvements have been implemented:

1. BASED items appearing in pointer qualifier statements are identified and the appropriate statement numbers added to the cross-reference list.

2. Only one entry is made in the Aggregate Length Table for each BASED aggregate.

PL/I GENERIC KEY SUPPORT FOR ISAM

The PL/I user is now able to reposition a read sequence to the first record in a particular key class by specifying the generic key of that class. A new ENVIRONMENT option 'GENKEY' has been implemented such that a READ with the KEY option on an INDEXED SEQUENTIAL INPUT/UPDATE FILE, DECLARED with the GENKEY option will produce the repositioning required.

PL/I USER CONTROL OF DDNAMES FOR PL/I-SORT DATA SETS

PL/I has now provided the facility of allowing the user to specify a four character replacement for 'SORT' in the DD names for data sets 'SORTIN, SORTOUT, SORTWK1', etc. when using the SORT facility of PL/I.

PL/I IMPROVED CATALOGED PROCEDURE

The Cataloged Procedures have been modified to:

1. Use double ampersands to prefix temporary data sets. The single ampersand under some conditions, was erroneously considered to be symbolic JCL parameters.

2. Eliminate redundancy of user specification of blocking for SYSLIN. Previously, BLKSIZE was specified in the LKED step of PL1LFCL and PL1LFCLG cataloged procedures.

3. Correct PL/I cataloged procedures region size from 48K to the minimum default of 52K required for initiation and termination under MVT.

PL/I VRE SUPPORT

New file environment options VS and VBS have been implemented using the data management SAM/VRE facilities. This implementation allows the PL/I user to specify and process spanned records with READ, WRITE, and LOCATE statements.

PL/I SYSLIN and SYSPUNCH BLOCKING

The blocksizes for the SYSLIN and SYSPUNCH data sets are now a function of the compiler SIZE option in effect. The minimum blocksize is 400 bytes. Spooling efficiency is improved by providing this capability.

PL/I RECORD I/O REDUCED CHECKING OVERHEAD

A more efficient technique for generating the object code for RECORD I/O statements saves core storage and improves execution time for file validity checks. Existing programs must be re-compiled and link-edited using this release to obtain this improvement.

RPG VRE Support

RPG supports VRE on sequential input and output files containing records equal to or less than 4000 bytes. The 4000-byte maximum is device dependent since RPG does not support track overflow. VRE support for combined and sequential update in place files is not supplied.

RPG AUTOMATIC DATE

This improvement allows the user to supply a 'job related date' during the execution of an object program by entering it as a parameter on the EXEC JCL statement for the object program.

RPG DASD SUPPORT

RPG now supports all Direct Access Storage Devices supported
by the OS/360 Basic Sequential Access Method (BSAM), for the
RPG compiler data sets. In addition, RPG generated code now
supports all Direct Access Storage Devices supported by the
OS/360 access methods, QSAM, ISAM, and BDAM.

ENGINEERING REQUIREMENTS

Unit	EC	Function
2314	420919	Physical Drive ID
2314	420662	Physical Drive ID
2314	420919	Additional Shared File Support
2314	420945	Additional Shared File Support
2844	420919	Additional Shared File Support
2844	420945	Additional Shared File Support
2841	413410	Additional Shared File Support
2848	307531	BTAM/QTAM
2848	307539	BTAM/QTAM
2701*	306713	BTAM/QTAM
2050	258695	2361 Core Storage Support (LCS)
2803 - A2	732332	Phase Encoded Tape Drives
2803 - Model 2	731563	Phase Encoded Tape Drives
2804 - Model 2	731608	Phase Encoded Tape Drives

*With Terminal Adapter Type 3

OPERATIONAL CONSIDERATIONS

The following items should be considered when using the System/360 Operating System Release 17.

Operator Command

Priority: In earlier releases, the priority parameter of the RESET command could be specified as 14, even though the IBM System/360 Operating System Operator's Guide SRL (C28-6540) states that the highest priority is 13. The specification of 14 is not supported in Release 17.

IEHPROGM Utility Program

Logical record length for the SYSPRINT data set must be 121 bytes (LRECL=121). Other length values could be specified in earlier releases.

BTAM

RJELINE Macro Instruction: The ERROPT operand is expanded to become the EROPT operand of a DCB macro instruction. When ERROPT is coded for Release 17, the following message is issued:

MNOTE 4, ERROPT KEYWORD TO BE DISCONTINUED USE EROPT.

This message can be avoided by coding EROPT instead of ERROPT. EROPT must be coded after Release 17.

DCB Macro Instruction (Binary Synchronous): Expansion now places BSC control characters at the end of the data control block, rather then in the first 20 bytes. Refer to the IBM System/360 Operating System BTAM SRL (C30-2004).

COBOL (E) Compiler

No more than 20 data items can be listed in a DISPLAY statement. If more than 20 items are listed, a warning message (IEP050I) is issued; successful execution is unlikely.

COBOL (F) Compiler

When using the GOTO statement with the DEPENDING ON option,
the maximum number of PARAGRAPH or PROCEDURE names is 2,034.
If this number is exceeded, a ØC1 ABEND will occur.

PL/I Object-Time Libraries

New object-time libraries are available in Release 17.
Their use is not compatible with libraries available in
earlier releases.

Checkpoint/Restart

A new checkpoint/restart facility was described earlier in
this memo. This facility is not compatible with that
available in earlier releases.

Blocked PROCLIB

As described earlier in this memo, the PROCLIB can be
blocked in Release 17. When updating a blocked PROCLIB,
care must be taken not to change the blocking factor. This
could be done accidentially by adding a procedure to the
library using an old DD statement specifying unblocked
records (LRECL=80,BLKSIZE=80). The out-of-date DD statement
would change the block size in the VTOC and DSCB, making it
impossible9 to retrieve procedures from the library.

Output Data Sets

Two data control blocks should not be open concurrently for
output to a single data set. If they are, records
associated with one of the data control blocks may be lost
when the other data control block is closed.

SYSOUT Writer

If a DD statement specifies a system output class from which
no writer has been started, the following message is
written on the console:

IEF293D WTR NOT ACT FOR CLASS y
        REPLY 3-CHAR DEVICE NAME OR CANCEL

In earlier releases, the operator could specify an offline
device. With Release 17, the device must be online, or it
will be rejected.

SYSTEM GENERATION CONSIDERATIONS

The following items should be considered when generating a Release 17 operating system.

Starter System: If a 2314 Starter System is being used to generate a 2311 system, the user cannot apply the PTF's to the Starter System before System Generation because the Linkage Editor changes the blocksize in the DSCB to maximum track capacity. IEHMOVE cannot move these data sets during the move-copy step of sysgen. The PTF's can be applied to the generated system.

System Generation with 64K Main Storage

With Release 17, on a System/360 equipped with only 64K storage, the user must use the newly defined SGMINPAK member of SYS1.GENLIB. See the IBM System/360 Operating System System Generation SRL (C28-6554) for detailed information.

Sysgen Macro Instructions

Note the following changes for Release 17.

DATAMGT: This macro instruction must now be used if SVC 2B (the CIRB macro instruction) is to be included in the generated system.

FORTRAN: The default value for the SIZE parameter has been increased from 15360 bytes to 25856 bytes.

GJOBCTL: The NAME and ACCT parameters have been omitted.

MACLIB: See DATAMGT.

PL1: The OPPRINT parameter has been changed to OPRINT.

SUPRVSOR: There is no longer a default value for the TIMER parameter. Formerly, the default value was TIMER=TIME.

SYSPRINT Space Allocation: IBM-supplied procedures for the reader/interpreter specify 50 primary tracks and 10 secondary tracks for SYSOUT data sets. For Stage I of system generation, the reader/interpreter procedure should specify at least 100 primary tracks and 10 secondary tracks. If it does not, space requirements should be specified in the //SYSPRINT DD statement.

Cataloging of Component Libraries: With Release 17, SYS1.MODLIB has been split into component libraries. The component libraries are cataloged on the starter system, and must be cataloged on any other system used as a generating system. If a component is not generated, the corresponding library usually need not be cataloged, but there are a few exceptions. For details, refer to Table 1 in the IBM System/360 Operating System System Generation SRL (C28-6554).

Volume Labels: During system generation, the labels of all online direct access volumes must be unique. When volume labels for the new system are to duplicate those for the generating system, the duplicate labels must be assigned after system generation. This can be done by means of the IEHDASDR utility program.

System Generation Under MVT:

Initiator Space in SYS1.SYSJOBQE: The IBM System/360 Operating System Sysgen SRL (C28-6554) suggests on page 21 that four hundred 176-byte records be allocated for the initiator. However, additional space may be required. If the job terminates abnormally, refer to "Restart Techniques" on pages 184-194.

Region Size for Stage II: The job stream generated by Stage I does not specify a region size for Stage II. If the job stream is on cards, the JOB statement can be modified to specify a region. If the job stream is on tape, the region size is determined by default; to provide a large enough region, it may be necessary to change the default value in the reader/interpreter procedure, or to specify a large minimum region size during nucleus initialization. Note that a large minimum region size will restrict the number of regions, and may preclude execution of other jobs during system generation.

Optional Program Material

Starting in Release 17, any assemblies done using OS/360 symbolics must have SYS1.MODGEN concatenated to SYS1.MACLIB and SYS1.SYMLIB.MACRO. SYS1.MODGEN contains Stage II Sysgen macros, some of which are called by other modules in the system.

Required Resident Access Methods for Checkpoint/Restart

If Checkpoint/Restart is used, the following access method routines must be main storage resident, in addition to the required routines on the standard list:

If chained scheduling is used to write the checkpoint data set, IGG019CU and IGG019CW also must be resident. If the data set is on DASD and chained scheduling is used, IGG019CV and IGG019CZ must be resident together with the earlier two routines. If track overflow is used to write the data set, IGG019C1, IGG019C2, and IGG019C3 must be resident.

Storage Estimates

The IBM System/360 Operating System Storage Estimates SRL (C28-6551-7) contains three erroneous figures:

1. On Page 108, in Table 66:

   The second entry under "IBM 2311 Disk Storage" should read 112 vs 110.

2. On Page 112, in Table 70:

   The fourth entry under "IBM 2311 Disk Storage" should read 254 vs 250.

3. On Page 112, in Table 70:

   The "Fortran IV H" figure for "IBM 2311 Disk Storage" (34th entry) should read 157 vs 153.

Release 17

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. Users should review the IBM System
Reference Manual, OS/360 System Generation (C28-6554) before
performing a system generation.

With Release 17, the complete Starter Operating System
Package for the 2311 Disk Storage Drive is distributed on
four disk packs, or one 9-track (1600 bpi) tape or two 9-
track (800 bpi) tapes or two 7-track (800 cpi) tapes for
restoring disk packs.

Users who order Release 17 should submit one 9-track (1600
bpi) tape or two 9-track (800 bpi) tapes or two 7-track (800
cpi) tapes or four 1316 disk packs for IBM 2311 Disk Drives.

The organization of the data received may be determined by
reviewing the Volume Table of Contents for each disk pack.

A complete Starter Operating System Package for the 2314
Disk Storage Facility is distributed on one 9-track (1600
bpi) tape or two two 9-track (800 bpi) tapes or two 7-track
(800 cpi) tapes for restoring to one 2316 disk pack.

The 2314 system requires two 800 bpi DUMP/RESTORE tapes, one
of which contains tracks 0 through 1400, the second contains
the remainder of the data, or one 9-track 1600 bpi
DUMP/RESTORE tape containing all of the data. These two
tapes should be restored to one 2316 disk pack. Users
should submit one or two 9-track tapes, depending upon the
density selected, or two 7-track full width tested magnetic
tapes when ordering a 2314 system. The DUMP/RESTORE control
cards necessary are described in the program material list
for Release 17.

The control cards necessary for restoring disk packs from
tapes containing more than one volume of data are described
in the Starter System portion of the IBM System Reference
Manual, OS/360 System Generation (C28-6554).

Attachment
Users of IBM Operating System/360
Release 17
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 17
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:

CODE	PROGRAM NUMBER	COMPONENT NAME
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-RG-038	REPORT PROGRAM GENERATOR
Q	360S-DN-527	SER0, SER1, EREP MOD/40,50,65 and 75
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
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
@	360S-RC-543	Satellite Graphic Job Processor
/	360S-LM-542	1130/360 Data Transmission

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.

Component Track Size Table   Distribution Volume 1   Distribution Volume 2

Column groupings: DLIB01 = STARTER SYSTEM, PROCLIB, PARMLIB, PL/ILIB, FORTLIB, COBLIB, SORTLIB, SAMPLIB, MINIMODLIB; DLIB02 = MACLIB, MODGEN; DLIB03 = MINIMODLIB; DLIB04 = GENLIB.

Component Name	Component Number 360S	Notes	STARTER SYSTEM	PROCLIB	PARMLIB	PL/ILIB	FORTLIB	COBLIB	SORTLIB	SAMPLIB	MINIMODLIB	MACLIB	MODGEN	MINIMODLIB (DLIB03)	GENLIB (DLIB04)
2311 Starter System	CI-514	7	700												
Primary Control Prog.	CI-505	1,8		5	2					18		114	1024	193	535
MVT	CI-535	9		3								5		67	
Primary Data Mgmt.	DM-508	1								14	88	115			
BDAM	DM-509	5									8	2			
ISAM	IO-526	6										4		52	
BTAM	CQ-513											61		20	
1130/360 Data Trans.	LM-542	3								4	6				
SGJP	RC-543	3									7				
RJE	RC-536	10										27		37	
QTAM	CQ-519											62		34	
Graphic Job Processor	RC-541													42	
Graphic Subroutine Prog.	LM-537										6			30	
Graphic Program Services	IO-523	3								29	43	119		19	
ASSEMBLER E	AS-036	1		3						9	43				
ASSEMBLER F	AS-037	4		3							39				
TESTRAN	PT-516			4							26	51			
Sort/Merge	SM-023			2					12	14				79	
Linkage Editor E	ED-510	1		2										15	
Linkage Editor F	ED-521	1,4												20	
OS/360 Utilities	UT-506	1		2							10	115			
Independent Utilities	UT-507	1									31				
COBOL E	CO-503	5		3							28			97	
COBOL E Library	LM-504	3						11				43			
COBOL F	CB-524	5		3							4			89	
COBOL F Library	LM-525	3												9	
FORTRAN E	FO-092	5		4							4			31	
FORTRAN G	FO-520	5		3							6			24	
FORTRAN H	FO-500	5		3										162	
FORTRAN Library	LM-501	3					1							37	
PL/I F	NL-511	5,6		4							4			301	
PL/I F Library	LM-512	3				70								43	
RPG	RG-038			3							3	50			
SERO,SER1 & EREP for Models 40,50,65, and 75	DN-527	2												71	
Recovery Mgmt Mod/65	DN-539	2,3												18	
ALGOL	AL-531			3							3	29			
ALGOL Library	LM-532	3									16				
On-Line Test Exec. Prog.	DN-533	2									8				

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.

INTRODUCTION

This document contains a summary of fixes which have been made to Release 17.

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

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, SYS1.PROCLIB must be limited to a single extent.

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 incompatible" IEB531I "old and new master DSORGS

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.

<u>System Action</u>: The job step is terminated (the return code is 12.)

The following message does not appear:

Messages IEECV1I xxx UNAVAILABLE CONSOLE

<u>Explanation</u>: Device xxx, specified as the primary console at SYSGEN, is not available for system use.

<u>System Action</u>: The system will use the alternate console.

<u>Operator Response</u>: Continue system communication on the alternate console.

Message IEE314I "cm Unit Not Available"

<u>Explanation</u>: In the cm command one or more units is already in the desired state.

<u>System Action</u>: The command was not executed.

<u>Operator Response</u>: Issue the command again, correcting the unit address.

Message IEE315I "cm Unit Not Supported"

<u>Explanation</u>: One or more units are not supported for this cm command.

<u>System Action</u>: The system did not execute the command.

<u>Operator Response</u>: 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 JOBNAMES 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 sgain.

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.

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 existance 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 description of the Time Slice Control Element (TSCE) flags should be:

bit	meaning
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 JOBNAMES command description (pgs 16, 36, and 61) should also state:

"IF a DISPLAY JOBNAMES 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)

15.015   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 IPL 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 IEA101A "Specify System Parameters" message. 'Reply 00, "U"' is an equivalent and acceptable response. Using the "EOB" key will result in a IEA102A "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 INVALI" 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 handeled 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 futher 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 IEE110A 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 date 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.

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-along 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.

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 ØF2 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 IEHMVETJ. The functions of module IEHMVETJ 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 SER0 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.

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-xxxk 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 an 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 dequeueing 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 consistant 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.

THE APARS CORRECTED IN THIS RELEASE ARE LISTED BELOW

```
P09289 P09674 P10424 P10842 P12834 P13520 P13549 P13799
P13968 P14128 P14233 P14475 P14540 P14552 P14632 P14656
P14718 P14754 P14876 P14882 P14885 P14887 P14893 P14929
P14939 P14993 P14997 P15043 P15071 P15100 P15108 P15168
P15189 P15319 P15324 P15335 P15367 P15381 P15387 P15444
P15452 P15559 P15576 P15605 P15648 P15673 P15741 P15752
P15780 P15787 P15789 P15790 P15793 P15799 P15801 P15823
P15837 P15846 P15853 P15873 P15875 P15882 P15896 P15944
P15951 P15965 P15981 P15984 P16002 P16011 P16018 P16019
P16026 P16037 P16066 P16087 P16119 P16153 P16185 P16210
P16246 P16291 P16293 P16335 P16339 P16364 P16367 P16376
P16378 P16399 P16403 P16405 P16429 P16443 P16465 P16486
P16490 P16500 P16505 P16508 P16522 P16547 P16582 P16592
P16611 P16612 P16641 P16665 P16670 P16681 P16686 P16691
P16701 P16722 P16728 P16738 P16745 P16751 P16770 P16771
P16775 P16776 P16781 P16783 P16804 P16810 P16823 P16831
P16840 P16859 P16862 P16866 P16876 P16885 P16900 P16907
P16913 P16918 P16949 P16962 P16998 P16999 P17006 P17007
P17027 P17034 P17037 P17060 P17077 P17082 P17087 P17091
P17107 P17110 P17118 P17128 P17130 P17132 P17157 P17165
P17166 P17172 P17173 P17176 P17190 P17192 P17198 P17217
P17240 P17256 P17259 P17264 P17292 P17315 P17321 P17334
P17356 P17358 P17359 P17363 P17371 P17374 P17378 P17392
P17427 P17428 P17447 P17453 P17456 P17464 P17465 P17468
P17471 P17474 P17480 P17481 P17490 P17493 P17516 P17533
P17534 P17537 P17540 P17543 P17547 P17548 P17550 P17551
P17552 P17553 P17555 P17572 P17574 P17583 P17600 P17606
P17615 P17623 P17645 P17648 P17649 P17653 P17657 P17660
P17674 P17679 P17696 P17705 P17709 P17711 P17717 P17718
P17719 P17722 P17732 P17751 P17752 P17762 P17766 P17771
P17781 P17801 P17811 P17821 P17835 P17849 P17873 P17884
P17885 P17886 P17892 P17917 P17925 P17936 P17937 P17948
P17961 P17963 P17968 P17974 P17995 P18008 P18011 P18013
P18040 P18041 P18042 P18049 P18053 P18056 P18057 P18060
P18062 P18064 P18090 P18097 P18098 P18103 P18106 P18113
P18114 P18119 P18123 P18126 P18145 P18161 P18162 P18164
P18165 P18173 P18185 P18186 P18191 P18195 P18200 P18218
P18221 P18235 P18237 P18238 P18244 P18263 P18268 P18276
P18280 P18282 P18303 P18308 P18327 P18344 P18349 P18350
P18351 P18355 P18356 P18357 P18359 P18360 P18361 P18363
P18364 P18365 P18367 P18369 P18370 P18371 P18372 P18373
```

```
P18375 P18377 P18379 P18380 P18384 P18385 P18386 P18387
P18389 P18391 P18392 P18393 P18397 P18400 P18402 P18428
P18445 P18447 P18461 P18468 P18489 P18499 P18500 P18503
P18519 P18520 P18527 P18530 P18557 P18562 P18567 P18569
P18572 P18573 P18607 P18609 P18610 P18617 P18622 P18651
P18655 P18658 P18660 P18684 P18686 P18687 P18695 P18698
P18706 P18710 P18727 P18729 P18743 P18746 P18750 P18751
P18753 P18758 P18768 P18774 P18799 P18803 P18822 P18823
P18833 P18843 P18844 P18848 P18851 P18882 P18883 P18886
P18893 P18900 P18901 P18906 P18910 P18912 P18913 P18916
P18918 P18920 P18921 P18923 P18924 P18925 P18926 P18930
P18931 P18933 P18937 P18948 P18963 P18972 P18982 P18987
P18988 P19003 P19013 P19025 P19026 P19046 P19052 P19061
P19077 P19079 P19093 P19095 P19136 P19163 P19165 P19172
P19189 P19193 P19198 P19214 P19222 P19253 P19260 P19266
P19267 P19287 P19301 P19316 P19317 P19336 P19340 P19342
P19346 P19347 P19348 P19362 P19368 P19374 P19375 P19377
P19378 P19388 P19390 P19392 P19394 P19395 P19396 P19397
P19412 P19430 P19432 P19437 P19454 P19471 P19473 P19487
P19490 P19491 P19493 P19509 P19520 P19521 P19522 P19524
P19526 P19531 P19539 P19542 P19545 P19553 P19555 P19560
P19561 P19562 P19563 P19567 P19570 P19571 P19577 P19581
P19585 P19588 P19594 P19596 P19597 P19599 P19609 P19620
P19626 P19635 P19639 P19641 P19644 P19645 P19657 P19659
P19662 P19663 P19664 P19669 P19674 P19682 P19687 P19689
P19690 P19700 P19707 P19710 P19711 P19715 P19716 P19717
P19720 P19723 P19726 P19727 P19729 P19731 P19732 P19733
P19736 P19739 P19741 P19745 P19753 P19754 P19758 P19759
P19760 P19774 P19778 P19782 P19783 P19795 P19796 P19798
P19799 P19801 P19805 P19814 P19816 P19817 P19821 P19829
P19832 P19835 P19839 P19841 P19849 P19850 P19853 P19875
P19878 P19880 P19882 P19884 P19885 P19888 P19893 P19894
P19897 P19900 P19901 P19902 P19908 P19912 P19915 P19930
P19931 P19936 P19943 P19944 P19950 P19952 P19956 P19967
P19968 P19978 P19982 P19989 P19993 P20002 P20010 P20016
P20033 P20037 P20038 P20055 P20057 P20063 P20064 P20069
P20073 P20077 P20082 P20083 P20085 P20092 P20106 P20107
P20113 P20116 P20123 P20137 P20139 P20141 P20142 P201
P20155 P20157 P20161 P20164 P20169 P20170 P20178 P20 80
P20181 P20184 P20187 P20194 P20197 P20200 P20202 P20
P20208 P20211 P20213 P20216 P20217 P20219 P20221 P20222
P20227 P20237 P20246 P20254 P20258 P20270 P20292 P20294
P20301 P20307 P20308 P20310 P20317 P20321 P20323 P20324
P20326 P20338 P20347 P20352 P20355 P20360 P20367 P20375
P20379 P20380 P20384 P20387 P20388 P20390 P20391 P20394
P20395 P20396 P20397 P20401 P20403 P20408 P20417 P20419
P20421 P20429 P20448 P20452 P20454 P20459 P20467 P20468
P20476 P20479 P20483 P20484 P20487 P20497 P20500 P20510
P20517 P20527 P20531 P20550 P20551 P20552 P20560 P20562
```

```
P20567 P20587 P20588 P20598 P20605 P20618 P20626 P20635
P20636 P20637 P20641 P20650 P20659 P20662 P20664 P20668
P20675 P20695 P20702 P20704 P20706 P20716 P20719 P20720
P20724 P20737 P20745 P20750 P20754 P20755 P20759 P20761
P20769 P20800 P20803 P20808 P20810 P20811 P20816 P20824
P20838 P20843 P20846 P20852 P20853 P20857 P20858 P20872
P20880 P20886 P20917 P20918 P20921 P20922 P20945 P20949
P20952 P20969 P20971 P20972 P20975 P20982 P21006 P21014
P21026 P21031 P21042 P21054 P21055 P21056 P21081 P21082
P21115 P21165 P21172 P21176 P21178 P21194 P21195 P21201
P21207 P21215 P21217 P21218 P21250 P21255 P21270 P21286
P21310 P21334 P21344 P21356 P21368 P21381 P21400 P21415
P21420 P21423 P21448 P21463 P21464 P21470 P21477 P21499
P21503 P21509 P21525 P21550 P21558 P21575 P21581 P21598
P21618 P21620 P21627 P21663 P21664 P21681 P21682 P21732
P21753 P21789 P21791 P21835 P21841 P21843 P21852 P21887
P21899 P21905 P21913 P21923 P21965 P22170 P22176 P22215
P22228 P22295 P22337 P22443
```

TOTAL NUMBER OF APARS INCLUDED - 0860

*
P09289   C5505

                 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   DM508

                 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-- IGG0190A,IGG0299A,IGG0190T,SGIEC5PS

P10424   PT516

                 TESTRAN OUTPUT FOR -DUMP DATA- AND
-DUMP CHANGES- IS INCORRECT AND/OR INCOMPLETE WHEN THE
AREA DUMPED IS LARGER THAN 512 BYTES.

MODULE -- IEGSR00A

*
P10842   D2508

                 SHORT BLOCKS ON TAPE ./LESS THAN 18
BYTES/. ARE TREATED AS NOISE RECORDS IF ERRORS OCCUR
WHILE READING. THERE IS NO SAFEGUARD IN OS/360 TO PRE-
VENT WRITING SHORT BLOCKS OR TO PAD THEM BEFORE WRITING.

MODULE -- IGG019CW,IGG019CJ,IGG019CC

Japanese text

*
P12834   C5505

          STEP TERMINATION DOES NOT SCRATCH A
MULTI-VOLUME DIRECT ACCESS DATA SET UNLESS ALL OF
THE VOLUMES ARE MOUNTED.

MODULE -- IEFZGST1,IEFZGJR1

*
P13520   UT506

          IEHPROGM WILL NOT CATALOG A DATA
SET NAME THAT CONTAINS 44 CHARACTERS. THE MESSAGE
-IEH201I YOUR REQUEST CANNOT BE SERVICED... A
SYNTAX ERROR EXIST IN ---DATA SET NAME---- IS
PRINTED.

MODULE -- IEHPROG2

*
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 -- DCB

*
P13799   D1508

          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 -- IGGOCLC3,IGGOCLC2

*
P13968   C5505

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

MODULE -- IEFSD300,301,302,303

*
P14128   UT506

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

MODULE -- IEHMVSPX

*
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 -- IEQCBL40,IEQCBL50

*
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 -- IEQCBL00

*
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 -- IEHMVETG

*
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,SM,IHCEFIOS

*
P14632   CO503

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

MODULE -- IEPMGOO

*
P14656   D1508

                    AN ERROR MESSAGE, IEW0394, RESULTS WHEN
STOWING INTO THE LAST DIRECTORY BLOCK OF A PDS WHICH
RESIDES ON A 2301 DRUM.

MODULE -- IGCOOO2A

*
P14718   UT506

                    AFTER FLUSHING A MEMBER IEBUPDTE
WAS DELETING THE FIRST RECORD OF THE FOLLOWING
MEMBER TO BE PROCESSED.

MODULE -- IEBUPDT2

*
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

*
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, IEBGENER UTILITY, ASSEMBLY LANGUAGE PROGRAMS,
UNSPEC PSEUDO-VARIABLE. FIXED DECIMAL ARITHMETIC IN PL/I
DOES NOT PRODUCE THESE SIGNS.

MODULE -- IEMLS   IEMOF

*
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,IEMFW.

*
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,IEBUPDTE,IEBUPCON,IEBASCAN,IEBUPLOG

*
P14939   FO520

              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 -- IEYPAR

*
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,SM,IHCFFIOS

*
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 -- IEAANIP

*
P15071   FD092

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

MODULE -- IEJFCAAO,IEJFAGAO,SGIFJ001,SGIEJ201

*
P15100   D1508

                    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,IGG0552A

        SGIFC5PS
*
P15108   UT506

                    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 IGG019MO

*
P15189   UT507

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

MODULE -- NONE

*
P15319   CI535

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

MODULE -- IEAQGM

*
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

*
P15335   C5505

                    '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 -- IEFVEA

*
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   C2505

                    DURING NIP, A LOAD FAILURE CAUSES
   LOOP.

MODULE -- IEAATC

*
P15387   C2505

                    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 -- IEQCBL20

*
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

*
P15576   D1508

                    WHEN USING CONCATENATED DATA SETS WITH
   UNIT AFFINITY, A B37 ABEND WILL OCCUR.

MODULE -- IGG0550N IGG0550I

*
P15605   LM532

                    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 IHI020I SHOULD BE
   PRODUCED. THE EXECUTION TIME RESULT IS UNPREDICTABLE.

MODULE -- IHIFSA

*
P15648   C3505

                    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 -- IGCIOS

*
P15673   UT506

                    IEHINITT WILL ALWAYS START OFF WITH ONE
   PARTICULAR DRIVE FOR ANY CONTROL CARD REFERRING TO A
   PARTICULAR DD STATEMENT. THUS, IF MORE THAN ONE TAPE
   DRIVE IS SPECIFIED BY A DD CARD FOR IEHINITT AND MORE
   THAN ONE UTILITY CONTROL CARD REFERS TO THAT DD CARD,
   THERE IS A POSSIBILITY THAT THE TAPE DRIVES WILL BE
   USED UNECONOMICALLY. FOR EXAMPLE, IF 2 IEHINITT CONTROL
   CARDS ARE USED, EACH REFERRING TO THE SAME DD CARD, AND
   EACH REQUESTING ONE TAPE TO BE LABELED, ONLY ONE TAPE
   DRIVE WILL BE USED REGARDLESS OF THE NUMBER OF DRIVES
   ALLOCATED BY THE DD CARD. THE TAPES WILL BE LABELED
   CORRECTLY, HOWEVER.

MODULE -- IEHINITT

*
P15741   D2508

                    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

*
P15780   C5505

                    MACRO SGIEE00I GENERATES AUTOMATIC
  START WTR COMMAND, WHICH IS GENERATED AS FOLLOWS--
  START WTR, 00E, VOL EQ 999999. THIS IS NOT ACCEPTED
  BY REL. 14 WHICH LOOKS FOR START WTR, 00E, 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   C5505

                    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 -- IEFXT00D

*
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

*
P15799   D1508

                    INCORRECT DENSITY IS INDICATED IN
  TRAILER LABEL FOR 1600 BPI.

MODULE -- IGG0190Y

*
P15801   D1508

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

MODULE -- IGG0190A

*
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 -- IFDOLTOO,IGC0005I

*
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,IECTLOPN

*
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 EXCESS-
IVELY LARGE ARRAY.

MODULE -- IEMPT

*
P15873   UT506

                        IEBUPDTE ADDS EXTRANEOUS 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

*
P15882   FO520

                        SEQUENCE NUMBERS IN AN OBJECT DECK
ARE MODULO 1,000 RATHER THAN 10,000. THUS, THE
SEQUENCE NUMBER OF THE CARD FOLLOWING CARD NUMBER
0999 IS 0000.

MODULE -- IEYFORT

*
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

*
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 TERMIN-
ATION OF THE JOB.

MODULE -- IEBUPDT2

*
P15951   C5505

          A JOB ABENDS WITH AN 80A AND THEN
GOES INTO A 503 WAIT AT JOB TERMINATION BECAUSE OF
CORE FRAGMENTATION PROBLEMS. THIS PROBLEM IS MORE
PREVALENT ON 64K SYSTEMS WITH A 44K SCHEDULER.

MODULE -- IEFSC007

*
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,IHCECOMH,IHCFCVTH,IHCIRCOM

*
P16011   C2505

          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,IEFWA000

*
P16019   CO503

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

MODULE -- IEPPGP00

*
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.
IN A PREVIOUS JOBSTEP.
MODULE -- IEHMVETG

*
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

*
P16066   C5505

                    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 -- IEFZGST1

*
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   C5505

                    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

*
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

*
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 E 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 -- IEQCBL20

*
P16335   C5505

          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,IEFVHQ,IEFVHH,IEFQMSES,IEFYSSMH

*
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   FO520

          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   D2508

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

MODULE -- IGG019CJ

*
P16376   C2505

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

MODULE -- WAIT,WAITR

*
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   CO513

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

MODULE -- IGG0193M

*
P16403   C0503

                    COBOL E IS GENERATING A BAD ENTRY POINT
  IN THE GLOBAL TABLE FOR AN 'ALTER' STATEMENT CAUSING
  AN OC6 ABEND.

MODULE -- IEPAS200,IEPAS300

*
P16405   CI505

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

MODULE -- IEECVPMX,IEECVCTX,IEECUCM,IEECVCTI,IEECVINT

*
P16429   UT506

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

MODULE -- IEHMVSTL

*
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 -- IEQCBL00

*
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

*
P16486   D2508

                    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 OC4 ABEND.

MODULE -- IGC0006H

*
P16490   C2505

                    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 -- IGG019NG

*
P16505   C5505

                    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   D1508

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

MODULE -- IGC0002G

*
P16522   D1508

          WHEN CONCATENATING INPUT DATA SETS
ON TAPE WITH NO LABELS, IF THE LAST DATA SET OF THE
CONCATENATION IS NOT ALLOCATED, EOV 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

*
P16582   CB524

          IF IN THE OUTPUT PROCEDURE OF A COBOL
F 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

*
P16592   D1508

          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 -- IEECVDP1,IEECVDP2

*
P16612   CI535

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

MODULE -- IEECVOCG

*
P16641   C2505

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

MODULE -- WAIT,WAITR

*
P16665   DM508

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

MODULE -- IGGB200Z

*
P16670   C5505

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

MODULE -- IEFVDA

*
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 -- IGG019KM

*
P16686   C5505

                    IF A START RDR COMMAND IS ISSUED, IN
THE INPUT STREAM, TO A TAPE THAT WAS ALLOCATED TO A
PRECEEDING JOB AND THAT TAPE IS NOT READY, NO MESSAGE
IS ISSUED, BUT THE SYSTEM WILL WAIT UNTIL THE TAPE IS
READIED.

MODULE -- IEF7K1XX

*
P16691   NL511

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

MODULE -- IEMEG

*
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

*
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,IEBASCAN

*
P16738   D1508

                    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 -- IEMDS

*
P16751   C5505

                    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 IEM3856I IN
MODULE IEMEY WHEN A LARGE CONTROLLED ARRAY IS
INITIALIZED ON ALLOCATION. FOR SIMPLE INITIAL
VALUES WITHOUT ITERATION A MAXIMUN 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,IEMXW,IEMEZ,IEMEG,IEMXF

*
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 -- IEMDOI

*
P16781   NL511

                    EXECUTION MAY TERMINATE WITH MESSAGE
IHE80CI 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 LABLE VARIABLE WHICH
IS DECLARED WITH A VALUE LIST, IS USED IN GOTO
STATEMENT.

MODULE -- IEMFI

*
P16804   CO503

                    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

*
P16810   UT506

                    MOVING ./MOVE/. A PDS FROM A 2311
DISK TO TAPE ./UNLOAD/. CAUSES THE FOLLOWING
MESSAGES TO EMANATE.
IEH411I
IEH389I I/O ERROR ENCOUNTERED IN OUTPUT DATA SET XXX
IEH361I

MODULE -- IEHMVSRD

*
P16823   ID526

                    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   C3505

                    INVALID DELIMITER IN MESSAGE IEA000I.
CODING ERROR IN IGE0025C.

MODULE -- IGE0025C

*
P16840   D1508

                AN EXTRANEOUS REWIND AND UNLOAD WAS
ISSUED AGAINST A TAPE DRIVE DURING A ONE UNIT VOLUME
SWITCH. THIS CAUSED A NEWLY MOUNTED VOLUME TO UNLOAD.
WHEN MADE READY A SECOND TIME, THE VOLUME WAS ACCEPTED.
THIS PROBLEM OCCURS BECAUSE, UNDER CERTAIN CONDITIONS,
AN UNWANTED CHECK OF THE MOUNT BIT CAUSES A SECOND
REWIND AND UNLOAD TO BE ISSUED.

MODULE -- IGG0550F

*
P16859   C2505

                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   C2505

                ERROR RECOVERY INTERFACE.

MODULE -- IEWFTMIN

*
P16866   D1508

                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 325L

*
P16876   D2508

                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

*
P16885   I0526

                QISAM SCAN GIVES AN UNREACHABLE BLOCK
INDICATION IF A GET IS ISSUED AFTER A SETL TO A
NON-EXISTENT KEY.

MODULE -- IGG019HD

*
P16900   C2505

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

MODULE -- IEAADOO,IEAATM04,IEAQADOC

*
P16907   D2508

                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,IEMCS

*
P16918   D1508

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

MODULE -- IGG01900 SECLOADA READPSWD

*
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

*
P16962   C2505

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 -- IGCOC07E

*
P17006   C5505

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

MODULE -- IEFVDA

*
P17007   D1508

A CANCEL WAS ISSUED WHILE CLOSE WAS IN
PROCESS. SINCE CLOSE HAD NOT YET FREED THE DEB, CLOSE
WAS RE-ENTERED RESULTING IN A DUPLICATE SET OF TRAILER
LABELS BEING WRITTEN. WHEN THE TAPE WAS THEN PRINTED,
THE REMAINDER OF INFORMATION FOLLOWING THIS DOUBLE SET
OF TRAILERS WAS LOST.

MODULE -- IGC0002&

*
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   C5505

                    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   C5505

                    AFTER RESTART IS EXECUTED, THE NEXT JOB
MAY ABEND WITH AN 0C9 COMPLETION CODE.

MODULE -- NONE

*
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 -- IEB1SSI
MODULE -- IEBISSI

*
P17077   C5505

                    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   C5505

                    MESSAGE IEFSOSI 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 -- IEFSTART

*
P17091   D2508

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

MODULE -- IGG019AF

*
P17107   CQ513

                    BTAM DEVICE I/O MODULES IGG019M2 AND
IGG019MZ DC 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

*
P17110   C9505

                    SYSGEN DIAGNOSTICS DO NOT CURRENTLY
RECOGNIZE THE LIMIT OF 248 DEVICE MASK TABLE ENTRIES.
THIS CREATES A PROBLEM IN THE CASE OF 2321-S WHERE 10
ENTRIES ARE REQUIRED FOR EACH 2321 SPECIFIED.

MODULE -- IODEVICE,SGPAK248

*
P17118   C5505

                    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   D1508

                    A 0C6 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

*
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 IFM1056 IS
ERRONEOUSLY PRODUCED.

MODULE -- IEMIM

*
P17166   C2505

                    60A ABEND WHEN FREEING CORE FOR CLOSE.

MODULE -- IEAAMS

*
P17172   LM537

                    IN MODULE IFFACAC8 ./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 -- IFFACAC8

*
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   D1508

                    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 EOV 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 -- IGGO550P

*
P17192   D2508

                    MODULE IGGO19CN DOES NOT TRANSLATE
USACII CHARACTERS CORRECTLY FOR PAPERTAPE.

MODULE -- IGGO190N

*
P17198   UT506

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

MODULE -- IEBASCAN

*
P17217   D1508

                    MODULE IGGO19CD ALLOWS THE TRACK
BALANCE TO BECOME NEGATIVE.

MODULE -- IGGO551A

*
P17240   D1508

                    WHEN READING AN INPUT DATA SET WITH
FIXED STANDARD FORMAT SPECIFIED, AN EOF CONDITION MAY
BE INTERPRETED AS A PERMANENT ERROR.

MODULE -- IGGO200Y

*
P17256   C5505

                    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   FO520

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

MODULE -- IEYEXT

*
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   D1508

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

MODULE -- IGG01921

*
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 -- IEECVPOP,AOP,NOP,EOP,QOP,KOP,VOP,SOP

*
P17356   UT506

                   OC7 ABEND WHEN POWEREOXX USED IN
IEHMOVE WITH TWO DIGITS AND AS OTHER THAN LAST
PARAMETER.

MODULE -- IEHMVXSE

*
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

*
P17363   D2508

                THE PROBLEM PROGRAM IS ABLE TO CREATE A
DATA SET USING FIXED STANDARD THAT IS IMPOSSIBLE TO
RETRIEVE USING THE SAME PARAMETERS.

MODULE -- IGG019CD,IGG0191D,IGG0191J

*
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,IEFYSSMB

*
P17374   C5505

                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

*
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

*
P17427   C2505

                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 -- IHCFCVTH IHCFCOME

*
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

*
P17456   UT506

                    DURING EXECUTION OF IEHLIST, DSCB
ADDRESS IS INCORRECT WHEN LISTING VTOC WITH DSNAME.

MODULE -- IEHPRINT

*
P17464   CI535

                    806 ABEND OCCUR IF JOBLIB DATA SET
IS DISMOUNTED BETWEEN STEPS AND REMOUNTED ON
DIFFERENT DRIVE.

MODULE -- IEFSD162,164,165

*
P17465   C5505

                    WHEN THE 3RD DISPOSITION FIELD ON A
DD STATEMENT IS CATLG, THE DATA SET IS CATALOGUED
IF ANY ERROR FAILS THE JOB. THE DEVICE TYPE
INFORMATION FOR SUCH A CATALOGUE ENTRY IS ALL
ZEROS AND THE ENTRY CANNOT BE USED.

MODULE -- IEFZGJBI

*
P17468   IO523

                    THE POR-S MENTIONED FAIL TO CHECK THE
PROPER CONDITIONS FOR STORING DATA IN THE GDOA WHEN
THE ORDERS ARE FOR VECTOR MODE AND THE CONDITIONS ARE
SUCH THAT OVERFLOW WILL OCCUR.

MODULE -- IFFPEAGR,IFFPBAPL,IFFPCAAR,IFFPDAPL,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

                    IEHMOVE DOES NOT ANALYZE A
COPY PDS STATEMENT CORRECTLY WHEN A VOLUME PARAMETER
IS INCLUDED. IT TREATS THIS AS IF IT WERE A COPY VOLUME
INSTEAD OF FLAGGING IT AS AN ERROR.

MODULE -- IEHMVSSS

*
P17480   CI535

                    SNAP MACRO-REGISTER FORMAT OF
SPECIFING STORAGE. NUMBER OF WORDS AND ENDING
ADDRESSES ARE INCORRECT.

MODULE -- IEAQAD06

*
P17481   C2505

                    SNAP MACRO-REGISTER FORMAT OF STORAGE
REQUEST AREA ENDING IN C-4.
GET ADDR ENDING IN C-8.

MODULE -- IEAAAD05

*
P17490   C2505

                    THE PROBLEM IS IN TTIMER BECAUSE
THE CONTENTS OF REGISTER 14 IS DESTROYED BY POST
IF AN INTERVAL AT THE TOP OF THE QUEUE IS TO BE
CANCELLED, AND THE NEXT INTERVAL EXPIRES DURING
PROCESSING OF THE FIRST INTERVAL.
A CODING CHANGE WILL BE MADE TO IEAOSTOO TO CORRECT
THE PROBLEM.

MODULE -- NONE

*
P17493   C5505

          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   I0526

          ISAM MAY NOT ALWAYS DETECT A BAD
SEEK, BUT MAY INSTEAD RETURN AN INCORRECT ERROR
INDICATION.

MODULE -- IGG019GN IGG019G0 IGG019G8 IGG019G9

*
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

*
P17537   C5505

          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 DFCB 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 -- IGG019NG

*
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

*
P17548   D1508

          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   C5505

            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 -- IGG0193E

*
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   C5505

            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 -- IEFXT003

*
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 C
806 ON PAGE 56 STATES THAT THE ADDRESS OF THE BLDL LIST USE
THE ROUTINE IS IN REGISTER 12 AND THAT THIS ADDRESS PLUS 4
THE LOCATION OF THE 8 BYTE NAME OF THE REQUESTED PROGRAM TH
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 EODAD 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 -- NONE

*
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 -- IEHMVESM

*
P17623   D1508

                A STOW ADD OF AN EXISTING MEMBER CAUSES
AN EXTRA EOF RECORD TO BE WRITTEN AND THE TTRC IN DCBRELAD
TO BE UPDATED EVEN THOUGH A RETURN CODE OF 04 IS ISSUED.

MODULE -- IGC0002A,IGG0210A,SGIEC5DM

*
P17645   CI535

                TWO INCORRECT WAIT STATE CODES ARE USED.
AN INCORRECT PROCEDURE FOR LEAVING A WAIT STATE IS
GIVEN IN THE COMMENTS.

MODULE -- IEAQNU

*
P17648   CI535

                IEFSD061 AND IEFSD062 DO NOT CORRECTLY
HANDLE RETURN CODES FROM IEFQMVNC, CAUSING A F03
CONDITION.

MODULE -- IEFQMUNQ,IEFQMRAW

*
P17649   CI535

                AN ENTRY TO ABEND LOAD 4, THE TCB IS
MISREPRESENTED EVENTUALLY CAUSING A PROGRAM CHECK.

MODULE -- IEAQTM03

*
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 -- IEBGENO3

*
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

*
P17660   C0513

                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   C8505

              MISSING ADDRESS MARKER ERROR IS BEING
RETRIED FIVE TIMES. STANDARDS SAY IT IS TO BE
RETRIED TEN TIMES.

MODULE -- IEC23XXB

*
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 -- IEQCBL00

*
P17709   D2508

              ISSUING A WAIT ON A BSAM READ OR WRITE
THAT WAS PRECEDED BY AN INVALID POINT WILL CAUSE A
PERMANENT WAIT. THE BSAM READ/WRITE MODULE WAS INCOR-
RECTLY POSTING THE DECB FOLLOWING AN INVALID POINT.

MODULE -- IGG019BA

*
P17711   D2508

              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

*
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,CIOP

*
P17722   C5505

              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

*
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

*
P17751   AS037

BIT 0 OF ECB'S CHANGED BY IEUMAC.

MODULE -- IEUMAC

*
P17752   CQ513

THERE IS A HARDWARE PROBLEM REQUIRING
ENGINEERING CHANGES TO THE 2848 AND THE 2701.

MODULE -- IGG019MC IGE0204A IGE0504A IGG019MB

*
P17762   D1508

THE RENAME MACRO WILL FAIL TO ISSUE A
MOUNT MESSAGE WHEN A 2314 OR 2301 UCB ADDRESS IS PASSED
IN REGISTER 0.

MODULE -- IGC0003+

*
P17766   CQ519

THERE IS A HARDWARE PROBLEM REQUIRING
ENGINEERING CHANGES TO THE 2848 AND TO THE 2701.

MODULE -- IGE0804F IGE0504E IGE0204E IGE0204F IGG019NG IECKBRKF

*
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 -- IEMIL,IEMIM,IEMMI

*
P17781   CQ519

THERE IS NO ERROR RETRY ON A UNIT
EXCEPTION WHEN USING THE AUTOPOLL FEATURE.

MODULE -- IGE0804F

*
P17801   D1508

WHEN ISSUING A CLOSE FOR A MULTIVOLUME
DATA SET ON TAPE OR DIRECT ACCESS DEVICE, THE DATA
MANAGEMENT COUNT IN THE UNIT CONTROL BLOCK IS DECREMENTED
ON THE FIRST DEVICE ONLY. IT IS NOT DECREMENTED IF
MORE THAN ONE DEVICE IS SPECIFIED.

MODULE -- IGG0200G

*
P17811   UT506

WHEN USING THE -CHANGE- FUNCTION
OF IEBUPDTE A DATA RECORD FROM -SYSIN- MAY BE
EXCLUDED FROM THE NEW MASTER DATA SET IF -END OF
FILE- IS REACHED ON THE OLD MASTER DATA SET BEFORE
IT IS REACHED ON -SYSIN-. THE ERROR OCCURS WHEN
YOU ATTEMPT TO REPLACE THE LAST RECORD IN THE OLD
MASTER AND CONTINUE TO ADD RECORDS FROM -SYSIN-.
NO ERROR MESSAGES ARE PRINTED AND A VISUAL CHECK
OF THE NEW MASTER DATA SET IS NEEDED TO DETECT THE
ERROR.

MODULE -- IEBUPDT2

*
P17821   C5505

                  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,IEFVMSWA,IEEVMSWA

*
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 -- IEUF7D,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   D1508

                  WHEN TRYING TO SCRATCH A SECURITY DATA
SET AND THE FIRST PASSWORD REPLY WAS INCORRECT, THE
SECOND REPLY IS IGNORED.

MODULE -- SECLOADA

*
P17884   C3505

                  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   D1508

                  AN F37 ABEND OCCURS WHEN CREATING A
BDAM DATA SET ON A 2321 WITH MORE THAN 5 VOLUMES.

MODULE -- IGG0550V

*
P17892   C2505

                  WHEN USING THE LIST FORM OF ENQ WITH
QNAME AND RNAME PARAMETERS OMITTED, THE ASSEMBLER
PRODUCES THE MESSAGE IEU067.

MODULE -- ENQ

*
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   I0526

              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.
BYPASS' TAPE SORT

MODULE -- NONE

*
P17937   C5505

              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 -- IEFVCA

*
P17948   D2508

              MODULE IGG019CD HAS DUPLICATE CODE.

MODULE -- IGG019CD

*
P17961   F0500

              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

*
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 -- IGG019MU,IGG019MF,IGG019MV,IGG019MW,IGG019MX

*
P18008   C5505

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 -- IEFXTOOD

*
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

*
P18013   I0523

FORM C27-6912-5 GRAPHIC PROG SERVICES
FOR IBM 2260 DISPLAY UNIT, PAGE 31, 2260 SAMPLE
PROGRAM ./PAGE 3 OF 6/..
ERROR CHECKING ON LINE 17, SHOULD BE'
    CLI DECB6PLUS16,X-45-

MODULE -- SAMP2260

*
P18040   C5505

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 -- IHEDCI

*
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

*
P18049   DM508

              AT EOV ON THE 5TH VOLUME MODULE IGG0550U
DOES NOT GO TO MODULE IGG0550V TO CHECK FOR PRESENCE OF
JFCB EXTENSION IF EXTENSION ADDRESS IN JFCB IS ZERO BUT
CONTINUES WITH NORMAL PROCESSING LEADING TO A HARD WAIT.

MODULE -- IGG0550U

*
P18053   C5505

              F03 WAIT STATE AFTER READING
EXECUTE CARD WITH PARM. EQ ./NO STEP NAME
BETWEEN DOT AND EQUAL/..

MODULE -- IEFVEA

*
P18056   C2505

              EOV PROGRAM CHECKS WHEN TRYING
TO EXTEND THE SYSOUT DATA SET WHILE ABEND IS
GIVING A DUMP.

MODULE -- IEAATMOA IEAQTMOA

*
P18057   D1508

              THE EOV SAM 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   D1508

              WHEN ISSUING FEOV TO AN INPUT TAPE WITH
DISPOSITION SPECIFIED AS KEEP, THE TAPE EXECUTES A FSF
BEFORE REWINDING. UNLABELED TAPES SHOULD REWIND AND
UNLOAD 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 LAYER 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 MAZPEQ 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

MODULE -- SGIFG000

*
P18064   CQ519

              THE RECSM FIELD OF A DCB WAS BEING
ZEROED. THIS CAUSED THE WRONG MODULE TO BE LOADED
AFTER A PUT, CLOSE, AND OPEN SEQUENCE.

MODULE -- IGG019ND,IGG019NE,IGG019NF,IGG019NG

*
P18090   C5505

              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

*
P18098   C2505

                A RESTRICTION EXISTS THAT PROHIBITS
A TASK FROM FREEING CORE IN SUBPOOL 253-254 WHEN IT IS
NOT THE OWNER.

MODULE -- IEAQGM

*
P18103   UT506

                IEHLIST WILL NOT ACCEPT THE
NATIONAL CHARACTER SET ./$='/. AS VALID CHARAC-
TERS IN A DSNAME ON THE CONTROL CARD.

MODULE -- IEHQSCAN

*
P18106   IO526

                WHEN A BISAM ECB IS INVOLVED IN A
MULTIPLE WAIT, A 301 ABEND MAY OCCUR.

MODULE -- IGG019GV 19GW   19GY   19GZ

*
P18113   D2508

                A SPACE CHARACTER IS NOT CORRECTLY
TRANSLATED FOR BURROUGHS PAPERTAPE CODE BECAUSE
THE TRANSLATE TABLE IS OUT OF SEQUENCE.

MODULE -- IGG019CD

*
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. PROLOGUE 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.

MODULE -- IEAQAB00

*
P18123   UT506

                IEHMOVE TAKES A SYNAD EXIT ON A
UNIT EXCEPTION COPYING TAPE TO DISK.

MODULE -- IEHMVESL

*
P18126   UT506

                THE IEHMOVE UTILITY DESTROYS THE
MESSAGE -I/O ERROR ENCOUNTERED IN MEMBER .... OF
INPUT DATA SET-.

MODULE -- IEHMVESL

*
P18145   DM508

          A TAPE VOLUME CONTAINING MORE THAN
ONE DATA SET MAY GET 613 ERRORS WHEN OPENING OTHER
THAN THE FIRST DATA SET. THIS IS CAUSED BY CLOSE
NOT LEAVING THE TAPE IN THE CORRECT POSITION.

MODULE -- IGGO201A

*
P18161   C5505

          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 IEFRDER 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 -- IEAANIP

*
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 -- IEHPRINT

*
P18185   D1508

          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 -- IGGO191N

*
P18186   C5505

          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   C5505

          MESSAGE IEF905I RESULTS FROM
ISSUANCE OF START W7R,XXX TO A TAPE DEVICE ON
WHICH A RDR HAS JUST CLOSED.

MODULE -- IEF7K3XX

*
P18195   D2508

                A PERMANENT I/O ERROR OCCURRING
ON A READ COUNT COMMAND RESULTS IN THE USE OF THAT
COUNT FIELD TO RESTART THE CHANNEL PROGRAM AFTER
USER-S SYNAD ROUTINE RETURNS.

MODULE -- IGC0005E

*
P18200   UT506

                IEBPTPCH DOES NOT DIAGNOSE A MISSING
-NAME EQ- KEYWORD AS A CONTROL STATEMENT ERROR.

MODULE -- IEBPPAL1

*
P18218   I0526

                I/O ERRORS OCCURRED WHILE PADDING OUT
HIGH LEVEL INDEXES.

MODULE -- IGG0202M

*
P18221   C5505

                THE USE OF DSNAME EQ NULLFILE
CAUSES ALLOCATION TO OCCUR FOR THE DD STATE-
MENT.

MODULE -- IEFVDA

*
P18235   E0521

                ITERATIONS OF EDITOR-E DO NOT
ALLOW PASSING OF CONDITION CODE FOR ENTIRE RUN.

MODULE -- NONE

*
P18237   D1508

                A 0C5 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

*
P18238   F0092

                F13 ABEND IF SYSPUNCH CARD DOES NOT CONTAIN
BLOCKING INFORMATION. ACCORDING TO FORTRAN MANUALS,
BLOCKING ON SYSPUNCH IS NOT NECESSARY AND SHOULD DEFAULT
TO 80. THE PROBLEM WAS BYPASSED BY SPECIFYING THE
./ PRERM /. OPTION IN THE EXEC CARD. THE DEFAULT WAS
THEN TAKEN BY FORTRAN.

MODULE -- IEJFJGA0

*
P18244   SM023

                IER046A MSG. ./SORT CAPACITY
EXECEEDED/. WHEN E15 IS USED TO INSERT RECORDS
TO AN OSCILLATING SORT.

MODULE -- IERBGA

*
P18263   SM023

                SORT ABENDS IN MODULE IERAPL
WITH AN 0C5.

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 0C4 ABEND.

MODULE -- IEUF2,IEUF2A

*
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 -- IEMGR

*
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   D1508

                  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,IGG0190G

*
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

*
P18308   CQ519

                  INVALID OUTPUT IS TRANSMITTED
AFTER A RETRY USING EOBLC. EOBLC DOES NOT HANDLE
DATA CHECKS PROPERLY IF THE MESSAGE HAS BEEN PUT
FROM A PROCESSING PROGRAM. THE BIT IN MSTATUS
WHICH INDICATES EOBS ARE PRESENT IN THE BUFFER IS
NOT SET FOR PUT MESSAGES.

MODULE -- IECKEOBC

*
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

*
P18344   C8505

                  SOFT WRITE ERRORS BEING LOGGED AS SOFT
READ ERRORS.

MODULE -- IEC23XXB

*
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

*
P18350   D1508

                  A TAPE WITH A HIGH EXPIRATION DATE IS
MOUNTED. A DCB IS OPENED FOR OUTPUT ON THE TAPE AND
THE IEC107D MESSAGE IS ISSUED. IF THE OPERATOR REPLIES
-M-, THE MOUNT MESSAGE IEC101A IS ISSUED. IF THE OPERATOR
MOUNTS ANOTHER TAPE, THE DATA SET CAN BE CREATED BUT WHEN
IT IS OPENED AGAIN A SYSTEM 813 OR 613 ABEND RESULTS.

MODULE -- IGG0190T,IGG0190A

*
P18351   NL511

                    ERROR MESSAGE IEM0786I ./AND
OTHER MESSAGES/. MAY BE ISSUED WITH 0 SUBSTITUTED
FOR AN IDENTIFIERS NAME.

MODULE -- IEMEM

*
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

*
P18361   NL511

                    COMPILER FAILS WITH IEM38521 IN
MODULE IEMRA OR IEM28861 IN MODULE IEMTT WHEN THE
VARIABLE IN A LOCATE STATEMENT IS A MEMBER OF A
STRUCTURE.

MODULE -- IEMFI,IEMXW

*
P18363   NL511

                    INCORRECT CODE IS GENERATED WHEN THE
BUILT-IN FUNCTION SUBSTR IS USED WITH FIRST ARGUMENT
A CONCATENATION OF NON-ADJUSTABLE NON-VARYING CHAR-
ACTER STRINGS, A VARIABLE SECOND ARGUMENT, AND NO THIRD
ARGUMENT. IN YOUR CASE, THIS ERROR CAUSED THE INCORRECT
LABEL ASSIGNMENT.

MODULE -- IEMME

*
P18364   NL511

                    WHEN THE CONVERSION FROM EVEN-
PRECISION FIXED DECIMAL TO PICTURE ITEM IS DONE
IN-LINE, THE AMOUNT OF WORKSPACE REQUESTED IN THE
DSA MAY BE INADEQUATE.

MODULE -- IEMOG

*
P18365   LM512

          IF THE POUND FIELD OF A STERLING PICTURE
CONTAINS A DRIFTING SIGN CHARACTER AND THE SIGN IN
THE DATA IS NEGATIVE AND OCCURS IN A POSITION TO THE
LEFT OF THE JUNIOR POUNDS DIGIT, THEN ON CONVERSION TO
DECIMAL THE SIGN BECOMES POSITIVE E.G. GM ---- MYZMYZ
WITH DATA -21706 BECOMES 7690 PENCE.

MODULE -- IHEVKC

*
P18367   LM512

          IF A PAPER TAPE FILE IS DECLARED AS
STREAM INPUT OR RECORD INPUT THEN MESSAGE IHE803I
APPEARS DUE TO INCORRECT TESTING BY MODULE IHEOPOA.

MODULE -- IHEOPOA

*
P18369   NL511

          MESSAGES IEM06731 AND IEM07251 MAY BE
ERRONEOUSLY PRODUCED WHEN A FUNCTION REFERENCE OR A
BUILT-IN FUNCTION IS USED WITH GET OR PUT STRING.

MODULE -- IEMFE

*
P18370   NL511

          WHEN STATIC INTERNAL IS GREATER THAN 4K
AND THE ADDRESS CONSTANT FOR IHESAFB IS AT AN OFFSET
GREATER THAN 4K FROM THE START OF STATIC INTERNAL, THEN
CODE GENERATED FOR A RETURN STATEMENT WILL BE INCORRECT
CAUSING UNPREDICTABLE EXECUTION FAILURES PROBABLY AN
ADDRESSING OR SPECIFICATION INTERRUPT.

MODULE -- IEMTF

*
P18371   NL511

          THE CATALOGUED PROCEDURES PL1LFCL AND
PL1LFCLG PERMIT LINK-EDITING EVEN THOUGH SEVERE ERRORS
WERE DETECTED DURING COMPILATION.

MODULE -- PL1LFCL,PL1LFCLG

*
P18372   NL511

          IF AN INVALID ARITHMETIC CONSTANT IS
USED IN LIST OR DATA DIRECTED INPUT TO A BIT CHARACTER
STRING THEN EXECUTION WILL FAIL WITH A SPECIFICATION
INTERRUPT. IF THE BUILT-IN FUNCTIONS ON CODE OR ONFILE
ARE USED IN OR AFTER THE ON CONVERSION UNIT.

MODULE -- IHEDNC,IHEDNB,IHEVPG

*
P18373   NL511

          WHEN A VALUE IS OUTPUT USING A PICTURE
CONTAINING A DRIFTING DOLLARS SIGN AND TRAILING MINUS
SIGN, INCORRECT DECIMAL POINT POSITIONING OCCURS.

MODULE -- IEMFG

*
P18375   NL511

          WHEN AN IDENTIFIER IS ERRONEOUSLY
USED AS A LABEL AND AS THE ARGUMENT TO THE REPLY
OPTION IN THE DISPLAY STATEMENT THEN MESSAGE IEM38561
PROGRAM CHECK IN PHASE OG IS PRODUCED.

MODULE -- IEMNG

*
P18377   NL511

          ON V4 RELEASE 15/16 A NUMERIC PICTURE
ITEM IS BY DEFAULT ASSIGNED THE ALIGNED ATTRIBUTE. THIS
CAUSES MESSAGE IEM11081 TO BE PRODUCED WHEN AN IDENTI-
FIER WITH THE UNALIGNED ATTRIBUTE IS DEFINED ON IT.

MODULE -- IEMQU

*
P18379   NL511

                A SMALL PROGRAM MAY CAUSE THE COMPILER
TO SPILL TEST ONTO SYSUT1 UNNECESSARILY IF THE AGGREGATE
LENGTH TABLE IS REQUESTED BY ATR OPTION.

MODULE -- IEMOX

*
P18380   LM512

                IF A GOTO IS EXECUTED IN AN ON UNIT
AND A LIBRARY VDA EXISTS ON ENTRY TO THE ON UNIT THEN
THE VDA IS NOT FREED. THIS MAY RESULT IN AN 80A ABEND.

MODULE -- IHESAD

*
P18384   NL511

                IF THE BUILT-IN FUNCTION ADDR HAS
ARGUMENT A MINOR STRUCTURE WHOSE MAJOR STRUCTURE IS
BASED, THEN THE ADDRESS OF THE MAJOR STRUCTURE IS
RETURNED.

MODULE -- IEMMC

*
P18385   NL511

                SEVER ERROR MESSAGE IEM07981 IS ISSUED
FOR A SOURCE PROGRAM WITH AN INVOCATION OF SUBSTR
PSEUDO-VARIABLE AND THE PREVIOUS REFERENCE IN THE PROGRAM
TO A BUILT-IN FUNCTION WAS TO EITHER THE STRING OR ADDR
FUNCTION SPURIOUS GENERATION OF ERROR MESSAGE IEM07981
WILL REFER TO A STATEMENT PRIOR TO THE SUBSTR PSEUDO-
VARIABLE THE ADDR BUILT-IN FUNCTION.

MODULE -- IEMGK

*
P18386   NL511

                WHEN A GET DATA STATEMENT COMES
EXACTLY TO THE END OF A BUFFER THEN ON A NEXT GET
DATA STATEMENT EXECUTION WILL FAIL WITH MESSAGE IHE0201.

MODULE -- IHEDDI

*
P18387   NL511

                ALIGNMENT ATTRIBUTES ERRONEOUSLY GIVEN
IN ATTRIBUTE TABLE FOR STRUCTURE ALIGNMENT ATTIBUTES
ARE NOW APPLIED TO DATA ELEMENTS.

MODULE -- IEMFY

*
P18389   NL511

                COMPILER FAILS IN MODULE IEMCO WITH
MESSAGE IEM38561 WHEN AN ISUB IN A DIMENSION ATTRIBUTE
HAS ITS ARRAY ELEMENT EXPRESSION MISSING.

MODULE -- IEMCO

*
P18391   NL511

                INCORRECT STATEMENT NUMBER MAY BE
GIVEN IN THE AGGREGATE LENGTH TABLE FOR ITEMS BASED
OR DEFINED UPON STATIC STORAGE.

MODULE -- IEMQX

*
P18392   NL511

                AN INITIAL ATTRIBUTE DECLARED ON A
DEFINED STRUCTURE DATA ITEM IS NOT IGNORED,
ALTHOUGH MESSAGE IEM06121 IS PRODUCED WHICH
INDICATES THAT IT IS IGNORED.

MODULE -- IEMFW

*
P18393   NL511

                WHEN A STRUCTURE IS LIKENED TO AN ARRAY
OF BASED STRUCTURES OR WHEN AN ARRAY OF STRUCTURES IS
LIKENED TO A BASED STRUCTURE ITS ELEMENTS WILL BE
ERRONEOUSLY GIVEN THE DEFINED ATTRIBUTES UNLESS THEY ARE
DIMENSIONED. THE IDENTIFIER AT THE FIRST LEVEL WILL NOT
BE GIVEN THE DEFINED ATTRIBUTE.

MODULE -- IEMEV   IEMEW

*
P18397   NL511

                IF A PICTURE CONSISTS OF A DRIFTING
CHARACTER CONTAINING V FOR DECIMAL POINT ALIGNMENT, AND
ONLY ONE OF THESE DRIFTING CHARACTERS APPEARS TO THE
RIGHT OF THE POINT, NO VALUE WILL BE ASSIGNED TO THIS
PICTURE.

MODULE -- IHEVKF,IEMOU

*
P18400   NL511

                READ IGNORE ON PAPER TAPE PRODUCES
A PROTECTION VIOLATION IEM38561.

MODULE -- IHEITG

*
P18402   CI535

                ERRONEOUS 'IEF415I I/O ERROR ON UCBNAME
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

*
P18445   D2508

                WHEN UPDATING A DATA SET WITH TRACK
OVERFLOW RECORDS USING WRITE VALIDITY CHECK, A NO-
RECORD-FOUND CONDITION RESULTS.

MODULE -- IGC0191P IGG0198H IGG019AE

*
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

*
P18461   UT506

                IEHMOVE CAUSES AN OC5 ABEND TO
OCCUR WHEN COPYING A PDS FORM TAPE TO DISK.

MODULE -- IEHMVSRX

*
P18468   C2505

                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 -- IEAIPL00

*
P18489   D1508

                    A F13 ABEND WAS RECEIVED WHEN TRYING TO
OPEN A PASSED TAPE DATA SET. THE LRECL, BLKSIZE AND
OTHER DCB INFORMATION ARE NOT BEING MERGED INTO THE DCB
AT OPEN TIME FROM THE HDR2 LABEL OF THE INPUT TAPE.

MODULE -- NONE

*
P18499   CI535

                    IEAQPR NEGLECTS TO LEAD ADDRESS OF
TYPE 1 EXIT ROUTINE IN REGISTER 14 BEFORE BRANCHING
TO ABTERM

MODULE -- IEAQPR

*
P18500   D1508

                    WHEN BLDL RECEIVES AN INVALID PARAMETER
LIST, IT CAN CAUSE THE SYSTEM TO LOOP OR PROGRAM CHECK.

MODULE -- SGIECODT

*
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   DM508

                    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   C5505

                    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

*
P18557   NL511

                    A NON STATIC DIMENSIONED LABEL
VARIABLE IS INCORRECTLY GIVEN THE INITIAL
ATTRIBUTE IN THE ATTRIBUTE LISTING.
COMPILATION IS NOT AFFECTED.

MODULE -- IEMFX

*
P18562   C5505

                    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

*
P18567   C2505

                    ON A 50- CYCLE MODEL 65, THE MESSAGE
./ TIMER IS NOT WORKING/. MAY BE ISSUED DURING
NUCLEUS INITIALIZATION WHEN THE TIMER IS, IN FACT,
OPERATIVE.

MODULE -- SGIEA2NP

*
P18569   UT507

                    RECOVER/REPLACE SEEKS TO BIN 0 WHILE
USING A BIN OTHER THAN 0.

MODULE -- IBCRCVRD

*
P18572   D1508

                    STANDARD USER LABELS ARE NOT ADEQUATELY
DOCUMENTED IN THE APPROPRIATE SYSTEM REFERENCE
LIBRARIES.

MODULE -- NONE

*
P18573   C5505

                    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, JFCTRTCH, AND JFCKEYLE/..

MODULE -- IEFVDA

*
P18607   C2505

                    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-, SQS EQ-
./MVT ONLY/., PR QBF EQ-/

MODULE -- IEAANIP

*
P18609   C5505

                    102 SCHEDULAR ABEND WHEN SMALL
PARTITION WAS CANCELLED WHILE HUNG IN ALLOCATION.

MODULE -- IEESC571

*
P18610   C2505

                    UCB UNIT ADDRESSES DO NOT PRINT
OUT IN ABEND DUMP.

MODULE -- IEAAAD03

*
P18617   C5505

                    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 0B0.

MODULE -- NONE

```
*
P18622          C3505
```

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

```
*
P18651          C0503
```

THE LOCATION COUNTER IN THE
WORKING STORAGE SECTION OF THE DATA DIVISION
MAP DOES NOT GO PAST 4095.

MODULE -- IEPLST00

```
*
P18655          C3505
```

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          C5505
```

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

```
*
P18660          C5505
```

WHEN A PASSED DATA SET IS RECEIVED
AND DELETED ./NOT NECESSARILY IN THE SAME STEP/.
JOB TERMINATION MAY TRY TO DELETE THE DATA SET
AGAIN. ALSO, IF A PASSED DATA SET HAS BEEN RECEIVED
AND NOT DELETED IT MAY BE ERRONEOUSLY DELETED IF A
LATER STEP IN THE JOBSTREAM ABENDS. THESE PROBLEMS
ONLY OCCUR WHEN PTF 13095 IS APPLIED.

MODULE -- IEFZAJB3,IEFVMLS1,IEFZGST1

```
*
P18684          UT507
```

WHEN DUMPING DASD TO DASD, IBCDMPRS
HANDLES OVERFLOW RECORDS AS SINGLE RECORDS RATHER THAN
RECORD SEGMENTS.

MODULE -- IBCDMPRS

```
*
P18686          C3505
```

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 -- IHC01900

```
*
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

*
P18562   C5505

                    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 -- IEEGESO1

*
P18567   C2505

                    ON A 50- CYCLE MODEL 65, THE MESSAGE
./ TIMER IS NOT WORKING/. MAY BE ISSUED DURING
NUCLEUS INITIALIZATION WHEN THE TIMER IS, IN FACT,
OPERATIVE.

MODULE -- SGIEA2NP

*
P18569   UT507

                    RECOVER/REPLACE SEEKS TO BIN 0 WHILE
USING A BIN OTHER THAN 0.

MODULE -- IBCRCVRD

*
P18572   D1508

                    STANDARD USER LABELS ARE NOT ADEQUATELY
DOCUMENTED IN THE APPROPRIATE SYSTEM REFERENCE
LIBRARIES.

MODULE -- NONE

*
P18573   C5505

                    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, JFCTRTCH, AND JFCKEYLE/..

MODULE -- IEFVCA

*
P18607   C2505

                    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-, SQS EQ-
./MVT ONLY/., PR QBF EQ-/

MODULE -- IEAANIP

*
P18609   C5505

                    102 SCHEDULAR ABEND WHEN SMALL
PARTITION WAS CANCELLED WHILE HUNG IN ALLOCATION.

MODULE -- IEESC571

*
P18610   C2505

                    UCB UNIT ADDRESSES DO NOT PRINT
OUT IN ABEND DUMP.

MODULE -- IEAAAD03

*
P18617   C5505

                    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 0B0.

MODULE -- NONE

*
P18622   C3505

            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

*
P18651   C0503

            THE LOCATION COUNTER IN THE
WORKING STORAGE SECTION OF THE DATA DIVISION
MAP DOES NOT GO PAST 4095.

MODULE -- IEPLST00

*
P18655   C3505

            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   C5505

            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

*
P18660   C5505

            WHEN A PASSED DATA SET IS RECEIVED
AND DELETED ./NOT NECESSARILY IN THE SAME STEP/.
JOB TERMINATION MAY TRY TO DELETE THE DATA SET
AGAIN. ALSO, IF A PASSED DATA SET HAS BEEN RECEIVED
AND NOT DELETED IT MAY BE ERRONEOUSLY DELETED IF A
LATER STEP IN THE JOBSTREAM ABENDS. THESE PROBLEMS
ONLY OCCUR WHEN PTF 13095 IS APPLIED.

MODULE -- IEFZAJB3,IEFVMLS1,IEFZGST1

*
P18684   UT507

            WHEN DUMPING DASD TO DASD, IBCDMPRS
HANDLES OVERFLOW RECORDS AS SINGLE RECORDS RATHER THAN
RECORD SEGMENTS.

MODULE -- IBCDMPRS

*
P18686   C3505

            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 -- IHC01900

*
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 -- IFBSR140,150,165,175,340,350,365,375,395

*
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 -- IEMNV

*
P18727   CI535

          IEF250I MOUNTING MESSAGE
RECEIVED WHEN PRESRES ENTRY HAS -NO MESSAGE-
OPTION.   MESSAGE SWITCH IS TESTED IMMEDIATELY
AFTER UPDATING PRESLIST ENTRY POINTER.

MODULE -- IEFPRES

*
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 B
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

*
P18750   F0500

          DUE TO A CHANGE IN THE COMPILER FOR
RELEASE 17 FORTRAN H WILL NOW HANDLE FIXED PT. OVERFLOW
IN AN ARITHMETIC IF STATEMENT AS FOLLOWS'   A FIXED
PT. OVERFLOW CONDITION WILL RESULT IN THE SAME BRANCH
AS EQUAL ZERO ./I.E., THE MIDDLE BRANCH WILL BE TAKEN/..

MODULE -- IEKVBL

*
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   C3505

          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

*
P18758   D1508

          IF END OF DATA IS REACHED WHILE DOING A
READ AND NO EODAD ADDRESS IS PROVIDED, THE RESULT IS A
BRANCH TO ADDRESS 001. THE SYSTEM SHOULD ISSUE A 337
ABEND.

MODULE -- IGC0005E

*
P18768   C5505

          INVALID JCL SYNTAX ON REFER BACK
./ASTERISK NOT FOLLOWED BY A PERIOD/. CAUSES AN F03
WAIT STATE.

MODULE -- IEFVDA

*
P18774   D1508

          A FOUR VOLUME DATA SET IS OPENED FOR
INPUT ON TAPE WITH PARALLEL MOUNT SPECIFIED. AT END OF
VOLUME ON THE FIRST VOLUME, IT IS REWOUND AND UNLOADED
AND A MOUNT IS ISSUED FOR THE SECOND VOLUME ON THE SECOND
DRIVE. WHEN THE SECOND TAPE HAS BEEN MOUNTED, THE SYSTEM
LOOKS AHEAD TO MOUNT THE THIRD VOLUME. SINCE THE THIRD
VOLUME HASN-T BEEN VERIFIED, THE SYSTEM ASSUMES THAT IT
IS NOT MOUNTED AND IT WILL ISSUE A MOUNT FOR THE THIRD
VOLUME ON THE CURRENTLY AVAILABLE DRIVE WHICH IS NOW
DRIVE 1.

MODULE -- IGG0550D

*
P18799   C8524

          WHENEVER THE SAME SUBSCRIPTED
DATA-NAME APPEARS IN MORE THAN ONE COBOL F
ASTERISK DEBUG PACKET, EXECUTION TIME RESULTS
MAY BE INCORRECT.

MODULE -- IEQCBL50

*
P18803   I0526

          A F05 WAIT STATE WAS ENTERED. WITH PTF
18270 APPLIED, THE USER SHOULD HAVE BEEN ABLE TO RECOVER
AND RETRIEVE THE RECORDS WHICH WERE ADDED BEFORE THE F05
OCCURRED. INSTEAD, A 0F1 ABEND OCCURRED WHEN AN ATTEMPT
WAS MADE TO ACCESS THOSE RECORDS.

MODULE -- IGG019G6 IGG019G7

*
P18822   SM023

          WHEN OPERATING UNDER MVT SORT FAILS TO
LINK EDIT USER EXITS CONTAINED IN SYSIN. THIS RESULTS
IN AN 0C1.

MODULE -- IERRCH

*
P18823   DN530

AN OC1 ABEND OCCURS WHEN EREP IS BEING
RUN WITH THE OPTION TO SUMMARIZE MODEL 75 CPU ERROR
DATA.

MODULE -- IFCEP071

*
P18833   CQ519

MODULE IECKRETD WILL NOT MOVE
A BUFFER OF LENGTH GREATER THAN 264 CHARACTERS.

MODULE -- IECKRETD

*
P18843   C5505

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 OVERLAYED 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,IEUF2,IEUF2A,IFUF7I,IEUF8I,IEUASM,

*
P18851   CQ513

ERROR RECOVERY MODULE FAILS TO CHECK
FOR SWITCHED LINE BEFORE SETTING AN INDICATOR IN THE
DECB THAT A DISABLE HAS BEEN ISSUED TO A SWITCHED
LINE.

MODULE -- IGE0104B

*
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,IFEPJAPV

*
P18883   DM509

BDAM DOES NOT RETRIEVE MULTI-TRACK
RECORDS CORRECTLY WHEN TRACK OVERFLOW IS USED WITH
RELATIVE BLOCK ADDRESSING.

MODULE -- IGG019KF

*
P18886   C3505

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 FFFFFFF8 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 -- IBCRCVRD

*
P18906   UT507

          WHEN DUMPING DASD TO DASD USING TWO
CHANNELS, IBCDMPRS MAY TERMINATE WITH MESSAGE IBC214W
TRACK OVERRUN. TERMINATION DEPENDS ON THE SPEED OF
THE MODEL USED.

MODULE -- IBCDMPRS

*
P18910   NL511

          COMPILER MAY FAIL IN MODULE IEMFE
WITH MESSAGE IEM3852I, WHEN A STRUCTURE IS ILLEGALLY
LIKENED TO A STRUCTURE WHICH CONTAINS A LIKENED MEMBER.

MODULE -- IEMFE

*
P18912   CQ519

          WHEN A SEQUENCE END NUMBER SURPASSES
THE MAXIMUM VALUE, THE SEQUENCE OUT OF ORDER BIT IS
SET INSTEAD OF WRAPPING BACK TO ZERO.

MODULE -- IECKSEQN

*
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

*
P18916   D1508

          LOSS OF FREE SPACE FROM A DIRECT ACCESS
VOLUME. AN EXAMINATION OF A VTOC LISTING OF THE AFFECTED
VOLUME SHOWS THAT L. SEVERAL AREAS OF SPACE ARE MISSING
./UNACCOUNTED FOR IN A FORMAT L, 3, 4, OR 5 DSCB IN THE
VTOC/. 2. L OR MORE FORMATS DSCB-S RESIDE IN THE VTOC
WHICH ARE NOT INCLUDED IN THE CURRENT CHAIN OF FORMAT 5
DSCB-S.

MODULE -- IGG032I6

*
P18918   CQ519

          THE PROGRAM ABENDS WITH A 102 CODE
WHEN THE INTERRUPT FROM WRITING A CONTROL RECORD
FOR CHECKPOINT IS UNDER THE TCB FOR MESSAGE
PROCESSING INSTEAD OF THE TCB FOR MESSAGE CONTROL.

MODULE -- IGG019NH

*
P18920   D1508

                THERE IS NO POSITIVE IDENTIFICATION
OF EOF IN MODULE IGG0550B. THUS, UNDER THE
CIRCUMSTANCES OF A MULTI-VOLUME DATA SET IN WHICH
THE LAST VOLUME./S/. IS./ARE/. EMPTY, A SYSTEM 237
ABEND IS ISSUED.

MODULE -- IGG0550B

*
P18921   CQ519

                SWITCHED TERMINALS MAY NOT RECEIVE
MESSAGES AFTER AN INTERVENTION REQUIRED ERROR HAS
OCCURRED ON THE LINE.

MODULE -- IGE0304E,IGG019NG

*
P18923   D1508

                IT IS NOT POSSIBLE TO USE 1600 BPI TAPES
ON A PHASE ENCODED TAPE UNIT BECAUSE OPEN-S DEB IS NOT
SET UP PROPERLY IN MODULE IGG0190Y.

MODULE -- IGG0190Y

*
P18924   D1508

                DATA SETS ARE GETTING ALLOCATED TO
CYLINDER ZERO   THUS, OVERLAYING THE VOLUME LABEL.

MODULE -- IGG020P1 IGG020P2

*
P18925   C5505

                THE TRANSIENT TAPE READER, USING
STANDARD LABELS, READS ONE JOB AND ABENDS WITH A 613
THE NEXT TIME THE TAPE IS OPENED. IN THE CASE OF NO
LABELS, THE TAPE IS REWOUND AFTER THE FIRST JOB IS
READ IN, AND ONLY THE FIRST JOB CAN BE READ.

MODULE -- IEFSC531

*
P18926   D1508

                WHEN FEOV IS ISSUED TO A QSAM DCB
AND A MACRF OF PUT LOCATE IS SPECIFIED, A DUPLICATE
OR GARBAGE RECORDS WILL BE WRITTEN ON THE NEXT
VOLUME. THE NUMBER OF EXTRA RECORDS WRITTEN IS
EQUAL TO DCBBUFNO AND THE RECORD CONTENT IS UNPRE-
DICTABLE.

MODULE -- IGG0551A

*
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

*
P18931   CI535

                UNPREDICTABLE RESULTS OCCUR WHEN
THE VOLUME COUNT SPECIFIED ON A DD CARD IS GREATER
THAN FIVE AND IT EXCEEDS THE NUMBER OF VOLUME
SERIALS SPECIFIED ON THE DD CARD IN SUCH A WAY THAT
ONE OR MORE EMPTY JFCB EXTENSIONS MUST BE BUILT.
MESSAGE IEF400W, IEF405W OR IEF425I, OR A 0B0 TCB
COMPLETION CODE MAY RESULT UNDER THESE CIRCUMSTANCES.

MODULE -- IEFVCA

*
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

*
P18937   CI535

          A LOOP OCCURS BETWEEN PROGRAM CHECK
  FLIH, TRACE AND ABTERM.

MODULE -- NONE

*
P18948   CI535

          PROGRAM BUG IN MCH TERMINATION
  ./IGFASRO4/.. DURING RETURN OF ENQUEUED I/O
  INTERRUPTS TO IOS RESULTED IN MCH RUNNING
  ENABLED FOR I/O INTERRUPTS WHICH IT DID ENCOUNTER.
  THE DISPATCHER, AFTER IOS PROCESSED IT, RETURNS
  CONTROL TO THAT POINT WHICH HAPPENS TO BE A
  LPSW TO THE DISPATCHER.

MODULE -- IGFASROA

*
P18963   CI535

          SYSTEM HANGS IN A LOOP XCTL ING BETWEEN
  IEECVDP1 AND IEECVDP2.

MODULE -- IEECVDP1,IEECVDP3

*
P18972   CO519

          A OA3 ABEND IS CAUSED BY AN INVALID
  RECORD NUMBER IN CURRDISK. THIS APPEARS TO QTAM AS NO
  MORE DISK SPACE.

MODULE -- IGE0203P

*
P18982   CO503

          BAD ASSEMBLER CODING IN SUBROUTINE
  IHD01700 COBOL LIBRARY.

MODULE -- IHD01700

*
P18987   D1508

          WITH PTF 15801 INSTALLED IN THE SYSTEM,
  THE FOLLOWING PROBLEMS MAY OCCUR' L. THE VOLUME COUNT
  MAY BE STORED OUTSIDE OF THE DCB ON ISAM AND BDAM FILES.
  2. A MOUNT MESSAGE FOR AN INVALID VOLUME SERIAL NUMBER
  MAY BE ISSUED FOR A MULTI-VOLUME DATA SET OPENED FOR
  DISPEQMOD AND MORE THAN FIVE VOLUMES OF DATA ARE SPECIFIED.

MODULE -- IGG0190H,IGG0191A,IGG0191A,IGG0199Z,IGG0200F,
MODULE -- 190T,191N,199T,200Y,550I,550J,550U,550Y,552I,

*
P18988   C5505

          JOBS ARE BEING CANCELLED FOR NO
  APPARENT REASON IN SYSTEMS WITH AVR.

MODULE -- IEFXV001

*
P19003   DM508

          A LOOP OCCURS PRINTING IEC107D MESSAGE
  IF THE OPERATOR REPLYS WITH ANYTHING OTHER THAN AN UPPER
  CASE -U- OR -M- TO THE MOUNT MESSAGE. THE ABOVE LOOP IS
  A RESULT OF A LOGIC ERROR IN THAT THE EVENT CONTROL BLOCK
  IS NOT RESET AND THE MESSAGE CONTINUES UNTIL AN UPPER
  CASE -U- OR -M- IS TYPED.

MODULE -- IGG0190F

*
P19013   UT506

                    SECOND CHANGE FUNCTION FAILS BUT THE
FIRST AND THIRD ARE O.K. FAILURE IS IN FORM OF A
DIAGNOSTIC MESSAGE ./ IEB506I /. AND FLUSH TO NEXT
COMMAND.

MODULE -- IEBASCAN

*
P19025   C0503

                    COMPILER GENERATES BAD BRANCH CODING
TO SECOND BYTE OR AN INSTRUCTION CAUSING PROG. CK.
WITH SPECK. EXCEPTION.

MODULE -- IEPAS300

*
P19026   C2505

                    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

*
P19052   D1508

                    WHEN MODULE IGGOCLC1 DETECTED A SYNTAX
ERROR IN THE DSNAME FOR THE LOCATE FUNCTION, IT WAS
BRANCHING TO SOME CODE THAT WENT TO THE CONVERT ROUTINE.
THE CONVERT ROUTINE WILL SOMETIMES PROGRAM CHECK
DEPENDING ON WHAT IS IN THE WORK AREA.

MODULE -- IGGOCLC1

*
P19061   I0526

                    A 002 ABEND OCCURRED WHEN THE BLKSIZE
WAS TOO LARGE FOR AN OVERFLOW TRACK BUT LRECL WAS NOT.

MODULE -- IGG01920

*
P19077   AS037

                    THE ASSEMBLER GOES INTO A 5 INSTRUCTION
LOOP IN IEUF3 OR ABENDS ./0C5/. IN IEUF3.

MODULE -- IEUF2A   IEUF3

*
P19079   AS037

                    1. IF FOLLOWING A PRINT NOGEN OR A PRINT
OFF STATEMENT, A MACRO CALL INCLUDES A TITLE STATEMENT,
SUBSEQUENT STATEMENT NUMBERS ON THE TEXT MAY NOT BE IN
AGREEMENT WITH THE CROSS REFERENCE LISTING. 2. IF
RUNNING A LARGE ASSEMBLY ./MANY SYMBOLS/. IN RELATIVE
SMALL CORE CAUSES SYMBOL TABLE OVERFLOW, LITERALS MAY
NOT BE ADDRESSED CORRECTLY.

MODULE -- NONE

*
P19093   NL511

                    ILLEGAL USE OF NESTED PSEUDO-VARIABLES
CAUSES MESSAGES IEM27071 AND IEM16211 TO BE PRODUCED
ON RELEASE 14. RELEASES 15 AND 16 ONLY MESSAGE
IEM27071 IS PRODUCED.

MODULE -- IEMFE

*
P19095   C2505

                    SYSTEM LOOPS TRYING TO ABEND WHEN USER
DESTROYS FREE Q AND GETMAIN RETURNS AN ADDRESS WHICH IS
NOT ON A DOUBLE WORD BOUNDARY.

MODULE -- IEAAMS

*
P19136   CQ519

            A LOOP OCCURRED WHEN THE RETRIEVE BY
SEQUENCE NUMBER MACRO WAS USED TO RETRIEVE A MESSAGE.
THE LOOP OCCURRED BECAUSE THE MSLINK FIELD OF THE
MESSAGE PREFIX CONTAINED AN LCB ADDRESS WHILE ON THE
DASD QUEUE.

MODULE -- IGG0203P

*
P19163   C5505

            IF IN A JOB STEP A NON-TEMPORARY DATA
SET IS CREATED ON A TAPE VOLUME WITH UNIT AFFINITY TO
A PREVIOUS DD STATEMENT AND PASSED TO A SUCCEDING STOP
WHICH REFERENCES THE DATA SET AND SPECIFIES A DISPOSI-
TION OF KEEP, THE VOLUME UPON WHICH THE DATA SET RESIDES
IS NOT UNLOADED, I. E., IT IS NOT KEPT.

MODULE -- NONE

*
P19165   LM537

            STROKE TABLE LIMITS IN DFSTR ARE SPECI-
FIED AS 128 FOR NEGATIVE NUMBERS, RESULTING IN INABILITY
TO CONTROL BLANKING OF BEAM.

MODULE -- IFFAGA05

*
P19172   CI535

            THE INITIATOR ABENDS WITH AN AOA COMPLETION
CODE WHEN IEFXCSS TRIES TO FREE THE SAME CORE TWICE
./ DDNUMBER TABLE /. AFTER UNSUCCESSFULLY ATTEMPTING TO
GETMAIN FOR THE ALLOCATE VOLUME TABLE ./ AVT /.

MODULE -- IEFXCSSS

*
P19189   C2505

            FINCH IS UNABLE TO GET CORE FOR WORK
AREA AND BEFORE ISSUING SVC ABEND, HE INCORRECTLY SETS
I/O SWITCH CAUSING SYSTEM FAILURE WHEN I/O INTERRUPT
OCCURS.

MODULE -- IEAATC

*
P19193   D2508

            OPEN, WHILE PROCESSING A BSAM LOAD MODE
ERRONEOUSLY CONSTRUCTED 256 CHANNEL PROGRAMS, THE FIRST
OF WHICH STARTED IN CORE AT LOB PLUS X-6174.- THIS
RESULTED IN THE DESTRUCTION OF AN ADJACENT REGION CAUSING
A SYSTEM LOOP.

MODULE -- IGG0191L

*
P19198   CQ519

            AFTER A RESTART DUPLICATE MESSAGES ARE
RECEIVED ON ALL TERMINALS ON A LINE IF QUEUING IS BY
LINE.

MODULE -- IECKRELM

*
P19214   CQ513

            WAIT IN BTAM CLOSE.

MODULE -- IGG0203M

*
P19222   D1508

            END OF VOLUME REQUESTS A SCRATCH VOLUME
TO BE MOUNTED ON A RESERVED DEVICE.

MODULE -- IGG0550F

*
P19253   CI535

               VARIOUS ABENDS MAY OCCUR WHEN A PROC
CARD IN A PROCEDURE HAS COMMENT CONTINUATION CARDS.
AREAS CAN BE OVERLAID IN THE HIGH STORAGE OF THE REGION
OR PARTITION. THE FAILURE WOULD SHOW UP AS THE CHAR-
ACTERS PROC, BEING REPEATED A NUMBER OF TIMES DEPENDENT
ON THE AMOUNT OF PROC CONTINUATION CARDS USED.
EXAMPLE-- PROC,PROC,PROC,PROC, ETC.
THIS ALSO SHOWS UP IN RELEASE 15/16 AS A FAILURE TO
PROCESS OPERAND CONTINUATIONS OF THE PROC STATEMENT IF
A TRAILING COMMA IS THE ONLY INDICATION OF CONTINUATION.
./I.E., COLUMN 72 IS BLANK/..

MODULE -- IEFVHEB

*
P19260   C2505

               IN MODULE IEAATA THE INSTRUCTION
X-600BF000-, WHICH PRECEDES LABEL NOFPREGS, USES
A NEGATIVE DISPLACEMENT WHICH RESULTS IN A PROGRAM
CHECK AND THEN A F01. THE ERROR OCCURS WHEN THE
SYSTEM IS WARM STARTED.

MODULE -- IEAATA

*
P19266   CI535

               THE SYSTEM WILL ENTER AN ENABLED
WAIT STATE DUE TO A DISPLAY A, DISPLAY R, OR LOG
NOT BEING ALLOWED TO RUN IN THE MASTER REGION AT
THE SAME TIME.

MODULE -- IEEVLWTR IEEVDOR1 IEE1603D IEE0803D
*
P19267   CI535

               SYSTEM ATTEMPTS TO START A TASK WHEN
A CANCEL COMMAND WITH NO PARAMETERS IS ISSUED.

MODULE -- IEE0703D

*
P19287   C8505

               SYSTEM HANG ON INTERVENTION REQUIRED
FOR LOGREC DEB.

MODULE -- IEC23XXB IEC23XXC IEC23XXD IEC23XXE

*
P19301   CI535

               USER HAS SYSGENED ONE TRACE
TABLE ENTRY WHICH CAUSES TRACE ROUTINE TO
OVERLAY FIRST FOUR WORDS OF MODULE THAT FOLLOWS
TRACE ROUTINE.

MODULE -- IEAQTR

*
P19316   CI535

               30A ABEND FOLLOWED BY F03. IF JOB-STEP
TASK HAS ISSUED A SPIE MACRO AND A SUBTASK WHICH HAS
ISSUED ABEND WITH STEP OPTION, THE PIE FIELD IS NOT
CLEARED IN TASKS ABOVE THE TASK ISSUING ABEND.

MODULE -- NONE

*
P19317   CI535

               TCB BIT 31.1 IS BEING USED BY BOTH
ROLLOUT/ROLLIN AND GRAPHICS, RESULTING IN UNPREDICTABLE
PROGRAM EXECUTION IN MVT ENVIRONMENT, SUCH AS RECURSIVE
ABENDS.

MODULE -- IEFSD513 IKAINIT IKASD080 IEFSD263 IEFSD267 IEAGTM05
          IEAGTMOA IEAQTM00

*
P19336   RG038

               RPG COMPILER, PHASE IES110, LOOPS
WHILE PUNCHING TEXT CARDS FOR CHAINING FILES WHEN THE
END OF THE CHNTAB BUFFER IS REACHED.

MODULE -- IES11010

*
P19340   CQ519

            STOPLN MACRO FROM A PROCESSING PROGRAM
  MAY NOT STOP ALL THE LINES.

MODULE -- IECKLNCH

*
P19342   IO526

            MODULE IGG032I1 AT OFFSETS 31E AND 32A
  BRANCH TO THE NAME OF AN ERROR ROUTINE INSTEAD OF SETTING
  UP AN XCTL TO THAT ERROR ROUTINE.

MODULE -- IGG032I1

*
P19346   CQ519

            THE QTAM CLOSE MODULE IGG0203R
  IS NOT MOVED TO SVCLIB.

MODULE -- NONE

*
P19347   D2508

            WHEN USING QSAM IN MOVE MODE AND A
  MULTIPLE VOLUME DATA SET, A PROBLEM OCCURS WHEN
  A FORCE END OF VOLUME MACRO IS ISSUED AND A NEW
  EXTENT IS NEEDED TO WRITE THE TRUNCATED RECORD.
  THE TRUNCATED RECORD IS WRITTEN AND A VOLUME SWITCH
  OCCURS. HOWEVER, THE NEW VOLUME WILL HAVE THE
  TRUNCATED BLOCK RECORDS AT THE BEGINNING.

MODULE -- IGG019AK,19AR,551A,IGC0005E,0C3A,IEAATWST

*
P19348   D2508

            RETRIEVING AN INPUT DATA SET WITH FIXED
  BLOCK STANDARD FORMAT SPECIFIED CAUSES A SYNAD EXIT
  RATHER THAN EODAD EXIT.

MODULE -- IGG019BM,19CH,19CI,19CU,19CZ,IGC0005E

*
P19362   CQ513

            A READ REPEAT OPERATION ISSUED BY
  BTAM ERP HAS MODIFIED FIELDS IN THE DECB SO THAT IT
  APPEARS A READ OPERATION HAS COMPLETED INSTEAD OF A
  WRITE. THE READ REPEAT SHOULD NOT HAVE BEEN ISSUED IN
  THIS CASE. THE BUFFER FROM THE WRITE OPERATION WAS
  RETURNED TO THE INPUT BUFFER CAUSING A PROGRAM CHECK
  IN IGG019MS.

MODULE -- IGE0404B,IGG019MS

*
P19368   FO520

            MULTIPLE SYNTAX ERRORS WITHIN THE
  SAME DATA STATEMENT WILL CAUSE AN OC6 ABEND DURING
  PROCESSING OF THE FOLLOWING STATEMENT.

MODULE -- IEYPAR

*
P19374   IO526

            IF A FILE PROTECT OCCURS WHILE THE ERP
  IS RECOVERING FROM AN I/O ERROR, IT IS CONSIDERED TO BE
  A PERMANENT I/O ERROR AND ISAM GIVES AN UNREACHABLE
  BLOCK INDICATION. HOWEVER, BECAUSE OF THE DESIGN OF
  ISAM, IT IS EXPECTED THAT FILE PROTECTS WILL OCCUR AND
  THEY ARE USED IN THE NORMAL OPERATION OF THE CHANNEL
  PROGRAMS.

MODULE -- IGG019G0 19G1   19G2   19G3   19G4   19G5
         19G6

*
P19375   LM537

            A CURSOR IS NOT INSERTED INTO A TEXTUAL
  GDS IF THE 128 BYTE GDOA SPECIFIED IN INGDS IS THE
  LAST HALF OF A 256 BYTE SECTION.

MODULE -- IFFADA03

*
P19377   AS036

        1.   THE OPERAND OF A MACRO CALL TERMINATES
WITH A COMMA IN THE END COLUMN. THE OPERAND IS NOT
CONTINUED INTO A NEXT CARD. THE ASSEMBLER FAILS TO
RECOGNIZE THIS UNUSUAL SITUATION AND GOES INTO A LOOP.
2.   A DUPLICATION FACTOR EVALUATED NEGATIVE CAUSES
ASSEMBLER TO LOOP.

MODULE -- IETE3A   IET08

*
P19378   CI505

        A PROGRAM CHECK IN READER OCCURS
WHEN THE INTERNAL TEXT BUFFER OVERFLOWS AND THE FIRST
KEY IN THE NEXT BUFFER IS THE END KEY INDICATOR ./7F/.
WITH THE NEXT BYTE 00. IF THE NEXT BYTE IS NOT ZERO,
THE MSG 'IEF452I XXX JOB NOT RUN - JCL ERROR' APPEARS
ON CONSOLE AND 'IEF272I - STEP WAS NOT EXECUTED'
APPEARS IN SYSOUT WITH NO DIAGNOSTIC MESSAGES.

MODULE -- IEFVGK

*
P19388   NL511

        COMPILER FAILS WITH MESSAGE IEM3856I
IN MODULE IEMOG WHEN AN ON STATEMENT CONTAINS A CHECK
CONDITION WHICH HAS MORE THEN 63 ITEMS IN THE CHECK
LIST AND SYSTEM IS NOT SPECIFIED.

MODULE -- IEMFO

*
P19390   C5505

        PERMANENT I/O ERROR ON THE CHECKPOINT
FILE CAUSES 80A ABEND WHEN TRYING TO GETMAIN
FOR WRITE TO OPERATOR SVRB.

MODULE -- NONE

*
P19392   C5505

        THE TIOT CAN TAKE TOO MUCH SPACE IN
CORE AT PROBLEM PROGRAM TIME WHEN PUBLIC SPACE HAS
BEEN REQUESTED. WHEN PUBLIC SPACE IS REQUESTED BY
USING A UNIT TYPE OR GROUP NAME, AND OTHER DEVICES
ARE AVAILABLE WITHIN THE SAME DEVICE CLASS, THE TIOT
WILL CARRY UNNESSARY INFORMATION BEHIND IT AT
PROBLEM PROGRAM TIME. EXAMPLE' IF 2311-S AND 2314-S
ARE AVAILABLE FOR PUBLIC REQUESTS AND THE DD CARD
USED SPECIFIED UNIT EQ 2311.

MODULE -- IEFXT002

*
P19394   C5505

        A SYSTEM WAIT STATE WILL OCCUR IF
THE LAST TWO PARTITIONS OF A MFT-II SYSTEM ARE
COMBINED TO FORM ONE PARTITION, AND THEN AN ATTEMPT
IS MADE TO REDIFINE THE LAST PARTITION.

MODULE -- IEEDFIN1 IEEDFIN8

*
P19395   D2508

        WHEN USING CHAINED SCHEDULING, DUPLICATE
RECORDS MAY OCCUR ON OUTPUT OR LOST RECORDS MAY OCCUR ON
INPUT.

MODULE -- IGG019CU

*
P19396   DM508

        A MULTI-VOLUME TAPE DATA SET IS OPEN FOR
INPUT WITH NSL SPECIFIED. WHEN MORE THAN ONE UNIT IS
SPECIFIED, THE FIRST UNIT WILL REWIND BUT NOT UNLOAD AT
END OF VOLUME ON THE FIRST VOLUME. AT EOV ON THE SECOND
VOLUME, PROCESSING STARTS ON VOLUME 1 AS IF IT WERE
VOLUME 3.

MODULE -- IGG05500

*
P19397   C3505

                    WHEN A SEEK CHECK OCCURS, DA SIO
MODULE ISSUES BAD -RELEASE- CCW AND CLOBBERS LAST
SEEK ADDRESS IN UCB.   CHANNEL PROGRAM CHECK RESULTS.

MODULE -- IECIOS

*
P19412   C0503

                    PROGRAM CHECK ./FIXED POINT
DIVIDE EXCEPTION/. DURING COBOL COMPILATION
IF THE RECORD OF A BLOCK IN AN FD IS ZERO.

MODULE -- IEPIOTOO

*
P19430   UT506

                    IEBGENER GIVES INCORRECT OUTPUT WHEN
THE MESSAGE IEB310I ./STOW ERROR IN OUTPUT DATA SET/.
IS PRINTED WHILE GENERATING MEMBERS OF A PARTITION
DATA SET FROM A SEQUENTIAL DATA SET USING THE RECORD
STATEMENT WITH THE IDENT PARAMETER.

MODULE -- IEBGSCAN

*
P19432   CI535

                    NULLIFYING THE SEP AND AFF PARAMETER IN
A CATALOGUED PROCEDURE WITH SEP EQ OR AFF EQ, CAUSES
ERROR MESSAGE IEF646I TO BE ISSUED.

MODULE -- IEFVDA

*
P19437   D2508

                    THE OP-CODE IS PLACED IN THE SYNADAF
MESSAGE. IT IS NOT BEING TRANSLATED INTO PRINTABLE
CHARACTERS.

MODULE -- IGC0C06H

*
P19454   FD520

                    THE RETURN I FORM OF A CALL STATEMENT IN
FORTRAN G DOES NOT WORK WHENEVER A DEBUG OPTION IS
SPECIFIED FOR THAT STATEMENT.

MODULE -- IEYGEN

*
P19471   NL511

                    IF A STATIC ARRAY OF STRUCTURES CONTAINS
BIT STRINGS WHICH ARE NOT A MULTIPLE OF 8 IN LENGTH AND
THE VIRTUAL ORIGIN OF THIS IS NEGATIVE WITH RESPECT TO THE
START OF STATIC INTERNAL CONTROL SECTION, THEN THE GENER-
ATED STRING DOPE VECTORS WILL BE INCORRECT.

MODULE -- IEMPH

*
P19473   CQ513

                    REGISTER 15 MAY NOT CONTAIN A RETURN
CODE OF ZERO UPON SUCCESSFUL COMPLETION OF THE LOPEN
ROUTINE DUE TO ISSUANCE OF SVC-S BETWEEN CLEARING
OF THE REGISTER AND RETURN TO THE PROBLEM PROGRAM.

MODULE -- IECTLOPN

*
P19487   C2505

                    AN ENABLE-DISABLE LOOP IN IECIOS
RESULTING FROM FAILURE TO CHECK FOR ALTERNATE
CONSOLE IF THE PRIMARY IS OFFLINE. FOLLOWING
RELEASE NO. 16, MODULE IEAATWST IS THE IMPACTED
MODULE.

MODULE -- IEAATWST

*
P19490   CB524   .

                MESSAGES 'IEQ0009-BUF PARAMETER
IGNORED' AND 'IEQ0015-BUF PARM TOO SMALL FOR DD
CARD BLOCKSIZES' MAY BE GIVEN FOR COBOL F PROGRAMS
COMPILED UNDER RELEASES 15 OR 16.

MODULE -- SGIEQ200

*
P19491   D1508

                USING BSAM, SYNADAF IS TESTING
THE WRONG FIELD FOR THE COMPLETION CODE.

MODULE -- IGC0006H,IGC0106H

*
P19493   CI535

                IN THE EXECUTION OF TTIMER, IF THE
INTERVAL HAS NOT EXPIRED AND CANCEL WAS NOT SPECIFIED,
IT IS POSSIBLE TO BYPASS THE LOADING OF REG 9 AS A BASE
REGISTER. THUS, IT WILL NOT HAVE THE CORRECT ADDRESS
WHEN IT IS USED AS A BASE REGISTER.

MODULE -- NONE

*
P19509   CQ519

                WHEN A LINE WAS PLACED IN CONVERSATIONAL
MODE AND A MESSAGE PROCESSING PROGRAM ABENDED BEFORE IT
HAD SENT A REPLY TO THE CONVERSATIONAL MODE MESSAGE,
THE LINE REMAINED IN CONVERSATIONAL MODE INDEFINITELY.

MODULE -- IGG019NG,IGE0203P,19NE,19NF,29ND

*
P19520   D2508

                WHEN WRITING MULTI-VOLUME OUTPUT,
DUAL DENSITY, 56, 800 BPI, THE SECOND VOLUME WILL
BE CALLED FOR AT 1600 BPI INSTEAD OF 800 BPI DUE
TO A LOGIC ERROR IN EMODVOL1.

MODULE -- NONE

*
P19521   D2508

                THE DATA SET IS CREATED WITH ONLY ONE
120 BYTE RECORD PER TRACK WHEN TCLOSE IS ISSUED BETWEEN
EACH WRITE.

MODULE -- IGC0002E

*
P19522   LM512

                IF AN ATTEMPT IS MADE TO CONVERT AN
UNINITIALISED FLOAT POINT NUMBER TO DECIMAL THAN THE
PROGRAM MAY LOOP AT EXECUTION TIME IN MODULE IHEVFA.

MODULE -- IHEVFA

*
P19524   D2508

                A LOOP IN FINCH MAY OCCUR WHEN
USING CHAINED SCHEDULING ON AN INPUT DATA SET.
FIXED BLOCK STANDARD MUST BE SPECIFIED AND THE
LAST BLOCK OF THE DATA SET MUST BE A SHORT BLOCK
./MULTIPLE OF LRECL/..

MODULE -- IGG019CU

*
P19526   C2505

                AN ASSEMBLY ERROR OCCURS IN IEAATA,
RELEASE 16, WHEN ASSEMBLING MACRO IN STAGE II SYSGEN
WHEN THE TIMER IS NOT INTERVAL.

MODULE -- IEAATA

*
P19531   C2505

                PROGRAM CHECK WILL OCCUR IN ABEND AS
IEAATM02 TRACES THE FQE LIST IF THERE ARE LESS THAN
3 ELEMENTS ON THE QUEUE.

MODULE -- IEAATM02

*
P19539   CQ519

                    A QTAM PROCESSING PROGRAM
    ENTERED A PERMANENT WAIT STATE AFTER ISSUING
    A CKREQ ./CHECKPOINT REQUEST/. MACRO.

MODULE -- IGG019NG

*
P19542   C2505

                    AFTER A CONSOLE HARDWARE FAILURE OCCURS,
    THE COMMUNICATION TASK ROUTINE, IGC0107B AND IGC0007B
    GOES INTO A LOOP BY XCTL-ING TO EACH OTHER.

MODULE -- IEECVTMX

*
P19545   C5505

                    MESSAGE IEF248I - ./ INSUFFICIENT SPACE
    ON RESERVED VOLUMES /. IS NOT A RELIABLE GUIDE TO THE CAUSE
    OF THE FAILURE OF THE JOB WHILE ALLOCATING RESERVED
    VOLUMES.

MODULE -- IEFXT002,IEFXTMSG

*
P19553   D1508

                    LOGIC ERROR IN PTF 17066 CATALOGS
    A TAPE DATA SET WITH VOLUME SERIAL NUMBER OF SCRTCH
    IF A WRONG DENSITY TAPE IS MOUNTED IN RESPONSE TO
    A MOUNT SCRATCH COMMAND. THE JOB RUNS NORMALLY
    AFTER THE CORRECT DENSITY TAPE IS MOUNTED EXCEPT
    FOR THE INCORRECT CATALOGING AT THE END OF THE JOB.

MODULE -- IGG0190A

*
P19555   CI535

                    AFTER RECEIVING AN ERROR RETURN CODE,
    MODULE IEFSD171 ABENDS WITH A 30A COMPLETION CODE.

MODULE -- IEFSD171

*
P19560   CI535

                    IF AN UNLOAD FOR A SYSTEM READER OR
    WRITER TAPE IS GIVEN WITH AN INCORRECT UNIT SPECIFIED
    IN THE UNLOAD COMMAND A LOOP WILL OCCUR PRINTING THE
    MESSAGE, IEE313I UNIT REF INVALID.

MODULE -- IEE11030

*
P19561   CQ519

                    A PROGRAM CHECK OCCURRED
    BECAUSE TEXT RECORDS ON THE QTAM MESSAGE QUEUES
    HAD BEEN WRITTEN OVER HEADER RECORDS.

MODULE -- IGE019NF

*
P19562   CQ519

                    A OC5 OCCURED IN MODULE IECKONLT
    BECAUSE A FIELD IN THE HEADER PREFIX OF A BUFFER
    WAS FLAGGED TO INDICATE THAT THE BUFFER
    CONTAINED ON-LINE TERMINAL TEST INFORMATION WHEN
    IT ACTUALLY DID NOT. THE FLAG WAS PLACED IN THE
    BUFFER DURING THE LINK EDIT OF A MESSAGE CONTROL
    PROGRAM.

MODULE -- IGG0193N

*
P19563   CQ519

                    AN ABEND OCCURED WHEN PARTIAL
MESSAGES ON THE DISK QUEUE WERE CANCELLED DURING A
RESTART AND LATER READ FROM THE DISK TO BE SENT TO A
PROCESSED QUEUE.

MODULE -- IGG019NG

*
P19567   CQ519

                    A OC5 ABEND OCCURS WHILE CLOSING A QTAM
LINE GROUP IF THE DEB IS LARGER THAN 256 BYTES.

MODULE -- IGE0193U

*
P19570   CI535

                    PROGRAM CHECK FLIH USES REGISTER 1 BEFORE
IT STORES IT IN THE P.I.E. THUS THE P.I.E. DOES NOT
CONTAIN REGISTER 1 AS IT APPEARED AT INTERRUPTION TIME.

MODULE -- IEAQNU

*
P19571   D2508

                    IF A STOW MACRO IS ISSUED FROM CLOSE,
AND IF IT IS NECESSARY TO EXTEND IN ORDER FOR STOW TO
WRITE A FILE MARK, AN OC5 ABEND OR SYSTEM WAIT STATE
MAY OCCUR.

MODULE -- IGG019C3,IGG02021Z

*
P19577   NL511

                    TERMINAL ERROR IEM02551 OR PROGRAM
CHECK IN MODULE IEMCI WILL RESULT FROM USING A
LITERAL STRING LENGTH IN EXCESS OF 3,584 CHARACTERS.

MODULE -- IEMCI

*
P19581   UT506

                    THE STANDALONE RESTORE PROGRAM ASSUMES
THAT THE FIRST TWO RECORDS ON TRACK ZERO ARE ALWAYS
IPL BOOTSTRAP RECORDS. IT THEREFORE ASSUMES THE
SECOND RECORD CONTAINS THE CCHH OF THE TRACK CONTAINING
THE IPL TEXT. THIS IS NOT ALWAYS TRUE. NON-IPL
VOLUMES CREATED BY O/S DASDI CREATES A DUMMY RECORD
TWO THUS CAUSING THE STANDALONE TO GET A SEEK CHECK.

MODULE -- IEHDVTOC

*
P19585   UT506

                    IEBUPDTE IGNORES AN ALIAS STATEMENT WHEN
UPDATE EQ INPLACE IS SPECIFIED, THOUGH MESSAGE IEB517I
IS PRINTED INDICATING THAT THE ALIAS HAD BEEN 'STOWED'.

MODULE -- IEBUPCON IEBASCAN IEBUPDT2 IEBUPLOG

*
P19588   CQ519

                    MESSAGES TO BE RETRANSMITTED TO
SWITCHED TERMINALS AFTER A RESTART, ARE SENT TO THE
WRONG DESTINATION.

MODULE -- IGF0194A

*
P19594   CQ519

                    AFTER A RESTART, A LOOP OCCURRED AT
LABEL PCILOOP IN MODULE IGG019NG.

MODULE -- IGG0194A

*
P19596   CQ513

                    ON LINE TERMINAL TEST FOR REMOTE 2260
CAUSES AN ABEND.

MODULE -- IGG019MR IGC0606F

*
P19597   C3505

          PURGE DEQUEUES A -SEEK IN PROCESS-
REQUEST WHEN THE QUIESCE OPTION IS REQUESTED.

MODULE -- IECIPR16

*
P19599   FO520

          AN ./ F /. FORMAT CODE WHOSE W FIELD
EQUALS ITS D FIELD IS FLAGGED AS ILLEGAL.

MODULE -- IEYPAR

*
P19609   C2505

          WHEN OPERATING IN THE FIXED MODE,
IEEVWTOR ./FOR REL 14 THE MODULE IS IEECVWTO/. DOES
A GETMAIN FOR AN RQE FOR THE COMTASK. THE RQE COUNT
IS INCREMENTED IN THE UCM ./UCMRQNR/.. IF THE RQE
IS GETMAIN-D IN THE FIXED MODE, THE RQE COUNT WILL NOT
BE DECREMENTED WHEN IT IS FREEMAIN-D, IN IEE1203D.
EVENTUALLY THE RQE COUNT WILL REACH ITS MAXIMUM CAUSING
ALL OTHER REQUESTS FOR RQE-S TO BE ENQ-D.

MODULE -- IEEVWTOR

*
P19620   FO520

          IN LOGICAL SPECIFICATION STATEMENTS
AN ATTEMPT TO DEFINE LITERAL VALUES WHICH EXCEED THE
ARRAY DEFINED DOES NOT CAUSE A SIZE ERROR ./ IEYO10 /.
EXCESS VALUES ARE TRUNCATED.

MODULE -- IEYPAR

*
P19626   D1508

          IF THE RETENTION DATE ON AN OUTPUT TAPE
DATA SET HAS NOT PASSED AND THE OPERATOR REPLIES -M- TO
THE IEC107D MESSAGE AND MOUNTS ANOTHER TAPE, A 613 ABEND
OCCURS WHEN OPENING THE NEW DATA SET FOR INPUT. HDR2 OF
THE OLD TAPE WAS WRITTEN OVER AND HDR2 OF THE NEW TAPE
FAILED TO GET WRITTEN.

MODULE -- IGG0190K

*
P19635   C0519

          BIT 12 OF THE ERROR HALF WORD IS ERRON-
EOUSLY SET ON WHEN A X-OFF IS SENT AFTER A REPOLL.

MODULE -- IGG019NG,IGE019NS,1930,104E,204E

*
P19639   FO521

          LOSING CONTROL CARDS WHEN READER
INPUT BLOCKED. NAME CARD AT END OF BLOCK, OR
SHORT RECORDS CAUSED RECORDS TO BE SHIPPED.

MODULE -- IEWLMINP

*
P19641   CI535

          IF TTIMER IS ISSUED WIHTOUT CANCEL
OPTION, REG 9 IS USED AS A BASE REGISTER WITHOUT
FIRST BEING LOADED.

MODULE -- IEAQSTOO

*
P19644   NL511

          IF ENDPAGE IS RAISED DURING COPY FOR
DATA DIRECTED INPUT THEN ON RETURN FROM AN ENDPAGE ON
UNIT THE DATA MAY BE INCORRECTLY ASSIGNED.

MODULE -- IHEDCI

*
P19645   SM023

              WHEN SKIP OR ACCEPT OPTION IS USED
FOR WORK TAPE READ ERRORS THE PROPER MESSAGE IS NOT
PRINTED WHEN AN I/O ERROR DOES OCCUR.

MODULE -- IERRCV

*
P19657   C2505

              A SYSTEM LOOP OCCURS IN IGCOOOIC
./ IEAQTMOO /. DURING ABEND IF THERE IS ONE OR MORE
IQE-S ON THE ASYNCHRONOUS EXIT QUEUE. THIS ONLY OCCURS
WITH A SYSTEM WHICH HAS BEEN SYSGENED WITH ROLLOUT/ROLLIN.

MODULE -- IEAQTMOO

*
P19659   F0520

              THE FUNCTION ENTRIES UNDEFINED MESSAGE
HAS A CONDITION CODE OF ZERO.- THEREFORE, SUBSEQUENT
EXECUTION STEPS CAN NOT BE INHIBITED SHOULD THIS ERROR
OCCUR. A CONDITION CODE OF EIGHT IS NOT ADVISABLE,
SINCE THE PROGRAMMER MAY HAVE AVAILED HIMSELF OF THE
FACT THAT ENTRY NAMES ARE EQUIVALENCED TO THE FUNCTION
NAME.

MODULE -- IEYALL

*
P19662   AS037

              A LITERAL ACON IS ASSEMBLED AS A ONE
INSTEAD OF A ZERO, AND LITERALS ARE NOT REFERENCED
AT THE CORRECT ADDRESSES.

MODULE -- NONE

*
P19663   CQ519

              DIAL TERMS THAT WERE ACTIVELY TRANSMITTED
AT CHECKPOINT TIME ARE INTERCEPTED UPON RESTART.

MODULE -- IGG019NG

*
P19664   CQ519

              QTAM LOOPS WHEN THE FOLLOWING STEPS ARE
TAKEN' 1- ALL TERMINALS ARE STOPPED 2- MANY MSGS. ARE
QUEUED UP FOR THE STOPPED TERMINALS 3- ONE IS STARTED
UP AND PRIMED.

MODULE -- IGG019NG,IGE01930

*
P19669   CI535

              USER HAS SET UP HIS LPA SO THAT HE
CAN OPERATE IN A REGION LESS THAN MINPART IN SIZE.
WHEN A REGION SIZE LESS THAN MINPART IS SPECIFIED
IN THE EXEC CARD ./ OR JOB CARD /. AN EXTENSIVE
AMOUNT OF CORE IS ALLOCATED TO THE REGION.

MODULE -- NONE

*
P19674   AS037

              IF A MACRO CALL CONTAINING A SUBLIST
OPERAND IS CONTINUED ON A SECOND OR SUBSEQUENT CARD
AND A SEQUENCE ERROR OCCURS ./ISEQ HAVING BEEN SPECI-
FIED/., OR IF THERE IS SOMETHING PUNCHED IN THE PRE-
CONTINUE COLUMNS OF THE SECOND OR SUBSEQUENT CARD ./S/.
THEN THE MACRO IS NOT EXPANDED CORRECTLY AND THE ERROR
IS NOT NOTED ON THE LISTING.

MODULE -- IEUF2A

*
P19682   D1508

                    FOF ABEND WITHIN EXTEND, IGG0553C —
EXTEND FAILED TO INSURE AVAILABILITY OF CORE FOR ITS
WORK AREAS BEFORE SETTING MUST COMPLETE BIT — IGG0553A
FAILED TO INCLUDE CORE USED BY ENQ—S SVRB & TABLE IN
ITS GETMAIN FREEMAIN TEST FOR AVAILABLE CORE.

MODULE — IGG0553A IGG0553C IGG0553D IGG0553E

*
P19687   CI535

                    MESSAGE —IEE305I   XX   COMMAND INVALID.—
WILL OCCUR FROM COMMANDS CONTAINED WITHIN A CATALOGUED
PROCEDURE. THE COMMAND WILL NOT BE EXECUTED.

MODULE — IEFVHM

*
P19689   DM508

                    THE USE OF PARTIAL RELEASE RESULTS IN
VARIOUS RANDOM VTOC FAILURES. THE INCLUDE 1. ALLOCA-
TION OF SPACE STARTING AT CYL 0, TRACK 0 WHICH CAN
RESULT IN THE DESTRUCTION OF THE VOLUME LABEL OR THE
READING OF ERRONEOUS DATA. 2. THE APPEARANCE OF
EBCDIC DATA AND/OR NEGATIVE VALUES IN THE FORMAT 5
DSCB. 3. CREATION OF EXTENTS OF DUPLICATELY OWNED
SPACE WHICH CAN RESULT IN MIXED OUTPUT.

MODULE — IGG020P1

*
P19690   CI535

                    AVR MAY CAUSE TAPES TO BE DISMOUNTED
IF THEY HAVE BEEN MADE READY IN RESPONSE TO MOUNT
MESSAGES AND ANOTHER JOB IS STARTED BEFORE THE JOB
FOR WHICH THE TAPES WERE MOUNTED ISSUES OPENS FOR
THEM.

MODULE — NONE

*
P19700   C3505

                    YOUR APAR WAS ORIGINALLY CLOSED AS A
SUGGESTION BUT THE PROBLEM OF GETTING A 001 AFTER ONLY
2 RETRIES HAS BEEN ADDRESSED IN A RELEASE OF O.S..

MODULE — NONE

*
P19707   SM023

                    OCX ABEND IN MODULE IEREDS.

MODULE — NONE

*
P19710   NL511

                    COMPILER WILL TERMINATE WITH MESSAGES
IEM0786I, IEM0788I OR OC5 IN MODULE IEMGK WHEN AN
EXPLICIT ENTRY DECLARATION IS PRECEDED BY A MULTIPLE
DECLARATION OF AN IDENTIFIER ./ DIAGNOSED BY MESSAGE
IEM0557I/.

MODULE — IEMEM

*
P19711   UT506

                    IEHDASDR ABENDS WITH A 'C1'.

MODULE — NONE

*
P19715   C2505

                    ON MOD 65S AND 75S USER WILL BE UNABLE
TO SPECIFY AN IH STORAGE SIZE.

MODULE — IEAIPL00

*
P19716   C5505

                    CONTINUAL MOUNTING OF THE WRONG VOLUME
IN RESPONSE TO A VOLUME REQUEST BY AVR CAUSES AVR TO STOP
UNLOADING THE VOLUME AND ENTER A WAIT STATE. THE
OPERATOR HAS X PLUS 1 CHANCES TO MOUNT THE REQUESTED
VOLUME, WHERE X IS THE NUMBER OF DEVICES AVAILABLE
./ ONLINE, UNRESERVED, UNALLOCATED, NOT PERMANENTLY
RESIDENT AND NOT READY /. TO AVR FOR THAT VOLUME. AFTER
X PLUS 1 TRIES, AVR STOPS UNLOADING.

MODULE -- IEFXV001

*
P19717   F0520

                    IF A PROGRAM WITH APPROXIMATELY
240 ./OR MORE/. LABELED STATEMENTS IS COMPILED,
THE COMPILER TERMINATES WITH AN IEY031Y -ROLL
SIZE EXCEEDED- MESSAGE.

MODULE -- IEYGEN

*
P19720   LM501

                AN 002 ABEND OCCURRED WHEN IHCECOMH
GOES TO IHCEFIOS TO WRITE MESSAGE IHC904I ON THE OBJECT
ERROR UNIT WHICH HAD RECFM EQ UA, THE DEFAULT.

MODULE -- IGCIBCOM,IHCFIOSM,IHCFIOSH,IECECOMH,IHCEFIOS

*
P19723   CI535

                    MVT AND MFT SYSOUT WRITERS CAUSE A
SYSTEM PROGRAM CHECK BECAUSE THE CHAIN POINTER IN THE
NO-WORK QUEUE ELEMENT IS INVALID. ALTHOUGH OC5 AND OC6
COMPLETION CODES ARE MOST COMMON, ANY PROGRAM CHECK CAN
RESULT FROM THIS FAILURE.   -

MODULE -- IEFSC082

*
P19726   CI535

                    MSG. IEF281T - 01F NOW -OFFLINE -
IS RECIEVED WHEN THE CONSOLE IS VARIED OFFLINE.
HOWEVER, MESSAGES CONTINUE TO GO TO THE CONSOLE.

MODULE -- IEE110D3

*
P19727   LM501

                    IHC217H ERROR MESSAGE FOR END OF DATA
SET APPEARS WITH THE TRACEBACK IN THE MIDDLE OF THE
LISTING WHEN EXECUTION CONTINUES BECAUSE OF THE END
PARAMETER.

MODULE -- IHCFIOSM,FFIOS,FIOSH,ERRM,TRACM,TRCH

*
P19729   CB524

                    WHEN THE 'REPORTS ARE' CLAUSE IS
OMITTED IN A COBOL F SOURCE PROGRAM, COMPILATION
MAY TERMINATE WHEN THE REPORT SECTION HEADER IS
ENCOUNTERED.

MODULE -- NONE

*
P19731   C2505

                    WRONG MESSAGE PRINTED AT BEGINNING
OF PROBLEM PROGRAM STORAGE FOR ABDUMP. PRINTS
-P/P - END OF -. SHOULD BE P/P STORAGE.

MODULE -- NONE

*
P19732   C2505

                    TRACE ENTRIES ARE NOT STOPPED WHEN
ABEND IS ISSUED.

MODULE -- IEATRC

*
P19733   D1508

            MESSAGE IEC001A IS ISSUED WITH A
BLANK VOLUME SERIAL NUMBER BY END OF VOLUME AFTER
THE LAST VOLUME HAS BEEN USED INSTEAD OF ISSUING
AN F37 ABEND.

MODULE -- IGG0550F

*
P19736   D1508

            ON A FRESHLY DASDIED DISK PACK, MODULE
IGG0550K WILL SEARCH THE ENTIRE PACK LOOKING FOR A NON-
EXISTENT DSCB.

MODULE -- IGG0550K,IGG0552K

*
P19739   RC541

            WITH THE 2250 ENABLED AND DISABLED TO
CREATE AN I/O ERROR, TWO IKA001I MESSAGES APPEARED.
THE SECOND MESSAGE HAD AN INVALID FORMAT.

MODULE -- IKAIERR

*
P19741   C2505

            STIMER PROG CHECKS BECAUSE REG 10 IS
BAD. WHEN STIMER BRANCHES TO DEQUEUE AT TQE, REG 5 IS
SAVED IN REG 10. IF THE TQE WAS THE TOP ELEMENT A
A BRANCH TO TIMERSLTH TO PLACE THE NEW TQE AT THE TOP.
IF THE NEW TOP TQE IS THEN FOUND TO BE EXPIRED THE
EXIT EFFECTOR IS BRANCHED TO. REG 10 IS DESTROYED
HERE AND UPON RETURNING TO STIMER REG 10 CAN NO LONGER
BE USED.

MODULE -- NONE

*
P19745   CI505

            F03 WAIT WHEN A 9 CHARACTER JOBNAME IS
USED IN A START RDR, XXX,,JJJJJJJJJ COMMAND.

MODULE -- IEESTART

*
P19753   UT506

            OUTPUT OF STAGE I SYSGEN CONTAINS
THE INVALID PARAMETER REENT IN SG33 LINKEDIT STEP
FOR IEBISAM.

MODULE -- NONE

*
P19754   UT506

            WHEN IEHMOVE WORKFILES CANNOT BE
ALLOCATED ON CONTIGUOUS TRACKS, THE END OF EXTENT
APPENDAGE IS ENTERED TO CROSS EXTENTS. IEHMOVE DOES
NOT BUILD A PREFIX TO THE IOB WHICH THE APPENDAGE
NEEDS, THEREFORE, IT CAUSES THE APPENDAGE TO GET
EXTRANEOUS INFORMATION FROM CORE.
MODULE -- IEHMVXSE

*
P19758   CI535

            THE MESSAGE IEE870I WHICH APPEARS IN
RESPONSE TO DN IS ERRONEOUSLY DOCUMENTED IN THE
MESSAGES AND CODES MANUAL C28-6631-5 AS IEF870I.
THE MESSAGE WILL BE CORRECTED IN THE MESSAGES
AND CODES MANUAL.

MODULE -- NONE

*
P19759   AS037

                    USER INADVERTENTLY CHOSE A PDS WITH
TYPE U RECORDS AS THE SYSIN DATA SET. SINCE NO
RECFM WAS SPECIFIED IN THE SYSIN DCB, OPEN QUITE
PROPERLY MOVED A 1520 BYTE BLOCK INTO AN 80 BYTE
BUFFER. THE RESULTING OVERRUN CAUSED CONSIDERABLE
CARNAGE TO SOME DEB-S. THE MFT SYSTEM FINALLY HUNG
UP IN AN ENABLED WAIT.

MODULE -- IEUMAC

*
P19760   D1508

                    THE VOLUME SEQUENCE NUMBER WAS BEING
UPDATED ONCE TOO MANY TIMES THE FIRST TIME FORCE END
OF VOLUME WAS ISSUED.

MODULE -- IGG0550K

*
P19774   CI535

                    PROGRAM CHECK IN FREEMAIN RESULTING
IN F03. PROGRAM IS ATTEMPTING TO FREE 98 BYTES AT
LOCATION 17520 WHICH HAS ALREADY BEEN FREED.

MODULE -- IEAQGM

*
P19778   C9505

                    WHEN USING THE SYSGEN MACRO, EDITOR,
AN ERROR MESSAGE OCCURRED WHEN THE USER DID NOT
SPECIFY A SECOND PARAMETER IN THE SIZE PARAMETER.

MODULE -- EDITOR

*
P19782   CQ519

                    THE MESSAGE PROCESSING PROGRAM MADE
PROGRAM CHECKS WHEN A SAD CCW IS EXECUTED AFTER THE
ERROR ROUTINES HAVE SET UP TO WRITE AN ERROR MESSAGE.

MODULE -- IECKLNCH

*
P19783   C6505

                    FETCH LOADS THE RETURN CODE IN REG 0.
IT SHOULD BE IN REG. 15.

MODULE -- IEWFETCH

*
P19795   C3505

                    IF CONTROL UNIT BUSY IS RECIEVED ON
FIRST SIO TO READ HOME ADDRESS - RO. POST, BUSY, AND
ARM SEEKING FLAGS ARE SET IN OA SIO MODULE. WHEN CSW
IS STORED, POST SIO ROUTINE RESETS POST AND BUSY FLAGS.
WHEN REQUEST IS RE-TRIED, ARM SEEKING FLAG IS ON, SO
A SEEK IS DONE BEFORE IOB RHAPO FLAG IS TESTED.

MODULE -- IECIOS

*
P19796   D1508

                    WHEN USING UNLABELED TAPES, A DCB
IS CLOSED WITH LEAVE. OPEN FOR READBACK CAUSES THE
TAPE TO BE UNLOADED AND A REQUEST TO MOUNT THE TAPE
TO BE ISSUED.

MODULE -- IGG01902

*
P19798   D2508

                    SEQUENTIAL PROCESSING WITH CHAINED
SCHEDULING MAY PUT THE SYSTEM IN A WAIT STATE WHEN
DEFECTIVE TRACKS ARE ENCOUNTERED.

MODULE -- IGG019CU

*
P19799   D1508

                    A TWO VOLUME TAPE DATA SET IS CREATED
IN A JOB STEP AND PASSED. THE NEXT STEP ATTEMPTS TO
EXTEND THE DATA SET USING A DISPOSITION OF ./MOD,PASS/..
WHEN THE SECOND VOLUME IS FILLED, A MESSAGE IS THEN
ISSUED FOR THE SECOND VOLUME TO BE MOUNTED AGAIN. AS
A RESULT, THE DATA ON THE SECOND VOLUME IS OVERWRITTEN.

MODULE -- IGG0191A

*
P19801   FO500

                    INCORRECT CODE GENERATED UNDER
OPT EQ 1. THE BAD CODE WAS PRODUCED FOR AN ASSIGNMENT
STATEMENT WHICH FOLLOWED A SERIES OF ARITHMETIC
OPERATIONS. THE FLOATING POINT REGISTERS WERE USED
FOR THE ARITHMETIC OPERATIONS AND WERE NOT LOADED
WITH THE PROPER VALUES FOR THE ASSIGNMENT STATEMENT.

MODULE -- NONE

*
P19805   C2505

                    AFTER THE CSW IS STORED FOLLOWING
THE SIO INSTRUCTION IN THE SENSE SUBROUTINE OF IOS,
A BRANCH IS TAKEN TO THE CHANNEL CHECK HANDLER
./CCH/.. DURING CCH PROCESSING A TIO INSTRUCTION
IS ISSUED TO CLEAR THE FAILING DEVICE OF ALL PENDING
INTERRUPTIONS. THE CSW STORED AS A RESULT OF THE
TIO IS TESTED FOR CHANNEL ERROR CONDITIONS. IN
TESTING FOR A CHANNEL DATA CHECK, LOCATION
HEXIDECIMAL 40 IS TESTED INSTEAD OF LOCATION
HEXIDECIMAL 45.

MODULE -- NONE

*
P19814   C3505

                    WHEN A 2415 MODEL 5 IS SYSGEN'D,
UCB FOR 7-TRK EXPANDS LIKE A UCB FOR 9 TRK 1600
BPI.

MODULE -- SGIEC202

*
P19816   FO520

                    A PROGRAM CONTAINING EQUIVALENCE
DEFINITION ERROR MESSAGES, UNDEFINED LABELS AND NESTED
DO LOOPS MAY RESULT IN AN ABEND IN THE COMPILER.

MODULE -- IFYPAR

*
P19817   SM023

                    AN OF2 OCCURS DURING A SORT USING
2314-S FOR INTERMEDIATE STORAGE.

MODULE -- IER8GC

*
P19821   C5505

                    IF OPTIONS EQ PROTECT IS SPECIFIED IN
THE SYSTEM GENERATION MACRO AND A PARTITION IS NOT
DEFINED AS A MULTIPLE OF 2K, ABENDS OF C4 AND 106 CAN
RESULT. AT IPL TIME THE PARTITION IS NOT ADJUSTED TO
A MULTIPLE OF 2K.

MODULE -- IEEDFIN1,SGIEEOVV

*
P19829   C5505

                    A FO3 WAIT STATE RESULTS FROM A PROGRAM
CHECK IN MODULE IEFSD010 WHEN THE NUMBER OF MESSAGES IN
AN SMB IS GREATER THAN EIGHT OR WHEN THE MESSAGE TO BE
WRITTEN DOES NOT FIT IN THE CURRENT OUTPUT BUFFER.

MODULE -- IEFSD010

*
P19832   C5505

            THE SYSTEM MAY ENTER A WAIT STATE IF
THE OPERATOR ENTERS A 'CANCEL' COMMAND FOR A JOB
./PROBLEM PROGRAM/. WHICH ABENDED WHILE IN THE PROCESS
OF INITIATION. SYSTEM OUTPUT MAY SHOW A PROGRAM
SHECK IN MODULE IEE0703D.

MODULE -- IEEVTCTL

*
P19835   F0520

            AN ID CONFLICT MESSAGE IS PRODUCED
WHENEVER AN ARITHMETIC STATEMENT FUNCTION DEFINITION
CONTAINS AN EXTERNAL FUNCTION REFERENCE AND ONE OF THE
PARAMETERS OF THE EXTERNAL FUNCTION IS A NONSUBSCRIPTED
ARRAY REFERENCE.

MODULE -- IEYPAR

*
P19839   CI505

            MSG IEF624I RESULTS WHEN THE CONTINUATION
COMMA IS MISSING FROM A DD OVERRIDE CARD.

MODULE -- NONE

*
P19841   C3505

            MODULE IGG019GZ ./ ASYN ROUTINE /.
PROGRAM CHECKS, ABEND PURGES ALL RQES BY TASK -
CLOSE IS ENTERED AND ISSUES SVC PURGE BY DEB- SVC
PURGE LOOPS THROUGH RB CHAIN AND RECOGNIZES RQE ON
RB FOR IGGC19GZ, THIS REQUEST IS ON NEXT AVAILABLE
LIST FROM ABEND PURGE. PURGE GOES THROUGH FREE LIST
AND PROG CHECKS WHEN FF-S REACHED.

MODULE -- IECIPR12,IECIPR1A,IECIPR16,IECIPRMP

*
P19849   UT506

            IEHIOSUP FAILS WHEN A ZERO LENGTH
RECORD IS FOUND.

MODULE -- IEHIOSUP

*
P19850   UT506

            OC5 ABEND OCCURS WHEN ATTEMPTING TO
EXECUTE IEHMOVE IN AN MFT II ENVIRONMENT AND NO
PARAMETERS ARE INCLUDED IN THE EXEC CARD. PTF 17356-16
WILL BE AVAILABLE UPON REQUEST. TILL THEN, THE PROBLEM
CAN BE BYPASSED BY USING -POWER EQ 2- PARAMETER ON THE
EXEC CARD.

MODULE -- NONE

*
P19853   CQ513

            THE IEA000I I/O ERROR MESSAGE DOES
NOT CONTAIN THE POLLING CHARACTERS OF A REMOTE 2260/2848
WHEN CSW STATUS UNIT CHECK AND SENSE OF EQUIPMENT CHECK
ARE RECEIVED INDICATING A ./ CAN /. CHARACTER FROM
THE 2848.

MODULE -- IGE0504A

*
P19875   C5505

            IN PCP ANY COMMAND THAT EXCEEDS A
LENGTH OF EIGHT CHARACTERS WILL NOT BE HANDLED CORRECTLY
AND MAY RESULT IN A F03 WAIT.

MODULE -- NONE

*
P19878   CQ513

          1- NO RETRIES ARE PERFORMED BY BTAM START
STOP ERROR RECOVERY PROCEDURES ON A COMMAND REJECT
ERROR. 2- NO RETRIES OR ERROR MESSAGES BY BTAM START
STOP ERP ON ATTENTION, STATUS MODIFIER, BUSY, OR CONTROL
UNIT END. 3- NO CONSOLE ERROR MESSAGE FOR INCORRECT
LENGTH. 4- NO CONSOLE ERROR MESSAGE ON CHANNEL DATA
CHECK. SYSTEM ENTERS WAIT STATE. 5- NO CONSOLE ERROR
MESSAGE WHEN STOP IS DEPRESSED ON 2780 DURING READ
OPERATION.

MODULE -- IGE0004A IGE0004C

*
P19880   ED520

          IN A PROGRAM WITH LARGE ARRAYS, A
SUBROUTINE CALL WHICH SUPPLIES ARRAYS AS ARGUMENTS
REQUIRES THE USE OF A NUMBER OF BASE REGISTERS. IF
THIS SUBROUTINE CALL IS CONTAINED WITHIN A SERIES OF
NESTED DO LOOPS, THE TEMPORARY BASE REGISTERS MAY NOT
BE UTILIZED PROPERLY, CAUSING ERRORONEOUS OBJECT CODING
TO BE EXECUTED.

MODULE -- IEYALL

*
P19882   CI535

          IF A DD STATEMENT IS WRITTEN SO THAT
SYSOUT AND A UNIT OTHER THAN DIRECT ACCESS IS SPECIFIED
AND THE JOB HAS OUTPUT FOR THAT CLASS THE DEVICE IS
PERMANENTLY ALLOCATED. EXAMPLE--SYSOUT EQ B, UNIT EQ 00D.

MODULE -- IEFVMLS1

*
P19884   AS037

          IF THE SYMBOL TABLE OVERFLOWS, THUS
FORCING MULTIPLE ITERATIONS OF THE TEXT FILE, THEN
'SHORT' LITERALS MIGHT BE PROCESSED IN THE WRONG
SYMBOL TABLE. THIS CAUSES ALL REMAINING LITERALS IN
THE LITERAL POOL TO BE ADDRESSED INCORRECTLY. SYMBOL
TABLE OVERFLOW OCCURS WHEN THE NUMBER OF ORDINARY
SYMBOLS IS LARGE AND THE REGION SIZE IS SOMEWHAAT
RESTRICTED.

MODULE -- IEUF7D

*
P19885   CQ513

          PROGRAM CHECK TYPE FINE OCCURS IN
MODULE IGCC606F WHEN 2260 TERMINAL TEST IS USED.

MODULE -- NONE

*
P19888   C5505

          IF THE PARM FIELD ON THE EXEC
STATEMENT CONTAINS MULTIPLE SUBPARAMETERS BUT NO
PARENTHESIS THE SYNTAX ERROR IS NOT DETECTED AND
THE ENTIRE FIELD IS PROCESSED.

MODULE -- NONE

*
P19893   NL511

          UNPREDICTABLE EXECUTION FAILURE WILL
OCCUR IF AN INTERNAL PROCEDURE IS INVOKED FROM A
SEPARATELY COMPILED EXTERNAL PROCEDURE WHERE THIS
PROCEDURE HAS BEEN CALLED AND THE INTERNAL PROCEDURE
NAME PASSED AS AN ARGUMENT, IMMEDIATELY PRECEDED BY A
BUILT-IN FUNCTION REFERENCE IN THE ARGUMENT LIST.

MODULE -- IEMGK

*
P19894   D1508

          400 ABEND WITH RENAME VOLUME MOUNT AND
REQUIRED VOLUME NOT MOUNTED ON A SYSTEM WITH 2321.

MODULE -- IGG03002

*
P19897   RG038

          RANDOM UPDATE OF ISAM FILE RESULTS IN
MISSING AN INCORRECTLY SEQUENCED OUTPUT.

MODULE -- IEF18010

*
P19900   NL511

                    WHEN AN OPEN STATEMENT OPENS A NUMBER
OF FILES AND TWO OR MORE OF THESE HAVE THE SAME NAME
THE COMPILER PRODUCES MESSAGES IEM1835I AND IEM1843I
AND THE PROGRAM CANNOT EXECUTE.

MODULE -- IEMNM

*
P19901   ED510

                    A LOAD MODULE MAY BE CREATED INCORRECTLY
IF IT IS PROCESSED FIRST BY THE LEVEL E EDITOR, SECOND
BY THE LEVEL F EDITOR, AND FINALLY BY THE E EDITOR.

MODULE -- IEWLCFNL

*
P19902   C5535

                    A SYSTEM LOOP OCCURS WRITING IEF245I TO
THE JOB QUEUE FOR A DD ASTERISK CARD. THE IEFDATA CARD
IN THE READER PROCEDURE SPECIFIED PARALLEL MOUNT FOR
MORE THAN ONE UNIT AND SOME OF THE UNITS WERE SHARED
DASDI AND OTHERS WERE NOT. THIS CAUSED ALLOCATION TO
CONSIDER THEM AS DIFFERENT DEVICE TYPES.

MODULE -- NONE

*
P19908   RC541

                    AN OC5 PROGRAM CHECK FOLLOWED BY AN
F03 WAIT STATE.

MODULE -- IKASPD

*
P19912   CI505

                    A SYSTEM WAIT STATE MAY OCCUR FOLLOWING
A REMOVE MESSAGE FOR A DATACELL. THE OCCURRENCE OF THE
WAIT IS TIME DEPENDENT, I.E., IF THE NOT READY BIT IS
SET BY IEFWD000 PRIOR TO ISSUING A WAIT.

MODULE -- NONE

*
P19915   C3505

                    A DISABLED WAIT STATE, OR OCX ABEND
MAY OCCUR IN AN MFT2 SYSTEM IF SYS1.SVCLIB IS ON A
DEVICE SPECIFYING PRIORITY QUEUING. WHILE A HIGH
PRIORITY TASK IS EXECUTING OUT OF THE TRANSIENT AREA,
FETCH MAY BE LOADING ANOTHER ROUTINE INTO IT FOR A
LOWER PRIORITY TASK. THIS CAN OCCUR BECAUSE THE REQUEST
FOR I/O FOR THE HIGHER PRIORITY TASK MAY BE ENQUEUED
IN FRONT OF THE LOWER PRIORITY TASK-S REQUEST, EVEN
THOUGH ISSUED SECOND, DUE TO PRIORITY QUEUING.

MODULE -- IECIOS

*
P19930   F0520

                    WHENEVER THERE IS A COMBINATION OF
UNCLOSED DO LOOPS, UNDEFINED LABELS, SYNTAX ERRORS
AND DUPLICATE LABELS IT IS POSSIBLE FOR THE COMPILER
TO ABEND.

MODULE -- IEYPAR

*
P19931   F0520

                    AN ILLEGAL AND LABELED STATEMENT THAT
IS REFERENCED BY A PRIOR I/O STATEMENT AS A FORMAT
STATEMENT RESULTS IN AN ABEND IN PHASE IEYGEN IN
COMPILATION. IN ADDITION, IF A ILLEGAL AND LABELED
STATEMENT IS THE TARGET OF A PRIOR ' GO TO ' STATEMENT,
THE COMPILER WILL ABEND IN THE IEYGEN PHASE.

MODULE -- IEYPAR

*
P19936   CI505

                    A TIMING PROBLEM EXSISTS WHEN TERM-
INATING A SMALL PARTITION. IF A DEFINE IS ENTERED
AT THIS TIME A WAIT STATE WILL OCCUR, AND IF A STOP
WRITER IS ENTERED A F03 WILL RESULT.

MODULE -- NONE

*
P19943   C2505

                    MACRO EXPANSION SEEMS TO BE STORING
    REGISTER NUMBER, INSTEAD OF REGISTER CONTENTS INTO
    THE DCB ADDRESS.

MODULE -- SNAP

*
P19944   C2505

                    ABEND - STOLE - 14K OF CORE.

MODULE -- NONE

*
P19950   C9505

                    USER GENERATED REL 16 WITH ./ BTAM
    & QTAM /. BUT WITH NO - TELCMLIB - CARD. THE STAGE
    I DIAGNOSTICS FAILED TO DETECT THE MISSING - TELCMLIB -
    REQUIREMENT AND PRODUCED A COPY STATEMENT WITH NULL
    ./ RESTYPE & RESVOL /. FIELDS. THERE SHOULD HAVE BEEN
    A DIAGNOSTIC TO SAY THAT ./ BTAM & QTAM REQUIRE THE
    TELMLIB MACRO /. AND STAGE I SHOULD HAVE BEEN TERMINATED.

MODULE -- NONE

*
P19952   CI505

                    WHEN A DATA CELL WITH THE 2 CHANNEL
    SWITCH FEATURE IS ONLINE DURING SYSTEM IPL, THE IEA103A
    MESSAGE ./DUPLICATE VOLUME LABELS MESSAGE/. WILL BE
    ERRONEOUSLY ISSUED BY IEAANIP. THE ONLY ACCEPTABLE
    RESPONSE TO THIS MESSAGE IS TO DISMOUNT THE INDICATED
    DATA CELL. THIS PROBLEM IS LIMITED TO THE DATA CELL
    DEVICE TYPE WITH THE 2 CHANNEL SWITCH FEATURE.

MODULE -- IEAANIP

*
P19956   UT506

                    THIS PROBLEM IS THE RESULT OF A MULTI-
    VOLUME ENTRY IN THE TIOT. WHENEVER IEHDPASS LOCATES A
    DDENTRY IT TESTS TO DETERMINE IF IT IS ONE FOR A
    PASSWORD DATA SET FOR MULTI-VOLUME ENTRIES. THE DDENTRY
    MAY NOT BE RESET PRIOR TO OPEN AND, THEREFORE, RESULTS
    IN A OC6 WHEN INDEXING TO THE NEXT DDENTRY.

MODULE -- IEHDPASS

*
P19967   NL511

                    COMPILER MAY FAIL IN MODULE IEMCA WITH
    A COMPLETION CODE -- SYSTEM 102, OR SYSTEM OC4 WHEN
    THE QUOTE MARK TERMINATING A CHARACTER STRING IN A
    DECLARE STATEMENT APPEARS IN THE LAST CHARACTER.

MODULE -- IEMCI

*
P19968   ED521

                    LINKAGE EDITOR F44 OVERLAYS TWO
    CSECTS WITH CONSTANTS FROM A PREVIOUS CSECT DUE
    TO THE BLOCKING ALGORITHM OF INTERMEDIATE DATA ON
    SYSUT1 WHEN CSECT ARE IN A,B,A,C ORDER.

MODULE -- IEWLMRAT

*
P19978   CQ513

                    PTF 16399 HAD ERROR IN COMPUTING
    NUMBER OF UCB-S.

MODULE -- IGG0193M IGG0193Q

*
P19982   C5505

                WHEN -CANCEL JOBNAME- COMMAND IS ISSUED,
AND JOBNAME DUPLICATES CHARACTER STRING THAT STARTS THE
JOBNAME OF MORE THAN ONE ACTIVE JOB, THE FIRST ONE
FOUND IN THE CSCB SCAN WILL BE CANCELLED. ./EXAMPLE
IF JOBS NAMED -JOBA-, -JOBABLE-, AND -JOBAB- ARE ACTIVE
AND -CANCEL JOBA- IS ISSUED, ANY OF THE JOBS MAY BE
CANCELED. IF -CANCEL JOBAB- IS ISSUED, -JOBAB- OR
-JOBABLE- MAY BE CANCELED./.

MODULE -- IEESD571

*
P19989   CQ519

                A PROGRAM CHECK OCCURS DURING CLOSE
BECAUSE AN LCB REMAINED ON THE READY QUEUE.

MODULE -- IGG019NG

*
P19993   DM509

                WHEN USING THE BDAM RELEX MACRO, AN
INVALID RETURN CODE IS PASSED TO THE USER ON RELEASES
15 AND 16. THIS PROBLEM IS FIXED IN RELEASE 17 BY A
MODULE OWNER FIX TO IGG019LG.

MODULE -- NONE

*
P20002   D1508

                MESSAGE IEC114I IS UNDOCUMENTED.

MODULE -- NONE

*
P20010   D1508

                AN F03 WAIT IS ENCOUNTERED IF OPERATOR
REPLIES -C- TO MESSAGE IEC123D ON A PCP SYSTEM WITH
JOB SCHEDULER IN CONTROL.

MODULE -- IGG0191T

*
P20016   NL511

                IF A REFERENCE TO AN ELEMENT OR A
CROSS SECTION OF AN ARRAY CONTAINS A NON-CONSTANT
SUBSCRIPT OR ASTERISK PRECEDED ONLY BY ONE OR MORE
CONSTANT ZERO SUBSCRIPTS. THEN THE GENERATED CODE
REFERENCES THE WRONG ELEMENT. THIS PROBLEM WILL NOT
ARISE FOR ARRAYS OF VARYING OR ADJUSTABLE STRINGS
OR ALIGNED BIT STRINGS.

MODULE -- IEMMS

*
P20033   C0503

                COBOL E IS ABENDING WITH AN OC6 IN
IEPPS100 WITH A BAD BRANCH IN REGISTER 8.

MODULE -- NONE

*
P20037   UT506

                A WRONG MESSAGE IDENTIFICATION NUMBER
IS ASSIGNED TO THE MSG -INVALID PARAMETER LIST- GIVEN
WHEN THE IEBGENER-PROGRAM IS INVOKED WITH AN INCORRECT
PARAMETER LIST PASSED TO IT.
MODULE -- IEBGENRT
MODULE -- NONE

*
P20038   CQ513

                IF A TIME OUT OCCURS ON WRITING
SELECTION CHARACTERS TO A 8383 USING MULTIPLE
DESTINATIONS, BTAM ERP DESELECTS OTHER TERMINALS
WITH A FIGS-H-LTRS SEQUENCE.

MODULE -- IGE0204A

*
P20055   D1508

                    DESTRUCTION OF THE FIRST FORMAT 5 DSCB
DURING THE DADSM UPDATE FUNCTIONS OF SCRATCH/PARTIAL
RELEASE. THE EXAMINATION OF A VTOC LISTING FROM THE
AFFECTED VOLUME MAY SHOW THE FIRST FORMAT 5 DSCB TO BE
MISSING OR MAY SHOW IT TO CONTAIN ERRONEOUS EXTENT
INFORMATION.

MODULE -- IGG0290C,IGG0200T

*
P20057   D1508

                    OPEN/EOV FAILING TO TEST THE NOT CAPABLE
BIT RETURNED BY A 1600 BPI ONLY TAPE DRIVE WHEN IT
DETECTS THE MOUNT OF A TAPE WRITTEN IN 800 BPI. THE
TAPE LABEL VERIFICATION ROUTINES OF OPEN/EOV UPON
RECEIVING A UNIT CHECK WHILE READING THE VOLUME LABEL
DO NOT FURTHER TEST TO SEE IF THE UNIT CHECK WAS CAUSED
BY THE NOT CAPABLE CONDITION. THEY INSTEAD ASSUME IT
TO BE THE RESULT OF A DATA CHECK AND WILL ACCEPT A
STANDARD LABELED 800 BPI TAPE IF THE REQUEST WAS FOR
A NL OR NSL TAPE. THIS CAN CAUSE DESTRUCTION OF THE
STANDARD LABEL.

MODULE -- IGG0190A IGG0190B IGG0550P IGG0550X

*
P20063   CI535

                    A BRANCH IS ALLOWING AVR TO READ A TAPE
LABEL ./ON A NL TAPE/. THEN REWIND-UNLOAD THE TAPE
ALTHOUGH IT IS ALLOCATED TO ANOTHER JOB. IT MUST,
HOWEVER, CATCH THE TAPE AT A TIME WHEN IT HAS BEEN MADE
READY BUT BEFORE OPEN.

MODULE -- NONE

*
P20064   CQ519

                    IF A PROCESSING PROGRAM ABENDS BEFORE
PUTTING THE END OF SEGMENT, NO END OF TEXT SEGMENT IS
WRITTEN ON A DISK. THIS CAUSES A 0A3 ABEND ON RESTART.

MODULE -- IGG019ND IGG019NE

*
P20069   C5505

                    A X-98- BYTE AREA WAS NOT BEING FREED
BECAUSE THE GETMAIN FOR THAT AREA WAS ERRONEOUSLY DONE
FOR X-80- BYTES INSTEAD OF X-18- BYTES.

MODULE -- NONE

*
P20073   SM023

                    IF EXIT E38 IS USED ON A RELEASE
15/16 SORT AN 0C5 MAY OCCUR WHEN SORT OVERLAYS AN
LPRB CHAIN WORD.

MODULE -- NONE

*
P20077   CI535

                    MESSAGE IEF642I ./EXCESSIVE PARAMETER
LENGTH XXX/. APPEARS WHEN USING DSNAME EQ , OR
DSNAME EQ BLANK ./IF IT IS THE LAST PARAMETER ON THE
DD CARD/..

MODULE -- IEFVDA

*
P20082   C5505

                    THE READER DOES NOT ALLOCATE THE
IEFDATA DATA SET PROPERLY WHEN MORE THAN ONE UNIT IS
SPECIFIED FOR THIS DATA SET AND SPACE ALLOCATION FAILS
ON ONE OR MORE OF THE VOLUMES. MESSAGE IEF867D 'CPO
FULL - REPLY -WAIT- OR -CANCEL- JOBNAME' IS PRINTED,
WHEN SPACE IS ACTUALLY AVAILABLE ON A VOLUME MOUNTED
ON ONE OF THE UNITS SPECIFIED.

MODULE -- IEFVSD12

*
P20083   C2505

          IN A TIME SLICED MFT SYSTEM WHERE THE
CURRENT TASK HAS BRANCHED OUT OF THE TRANSIENT AREA AND
SUBSEQUENTLY OVERLAYS THE TRANSIENT AREA, THE TRANSIENT
AREA IS NOT REFRESHED IF POST HAS ENTERED A DIFFERENT
TCB IN THE DISPATCHER-S NEW FIELD.

MODULE -- IEAATA

*
P20085   CI535

          A '//SYSIN DD ASTERISK' IS NOT GENERATED
WHEN THERE IS DATA FOR THE FIRST STEP OF A CATALOGUED
PROCEDURE WHICH HAS NOT BEEN PRECEDED BY AN OVERRIDE
STATEMENT.

MODULE -- IEFVFA

*
P20092   D2508

          CLOSE QSAM ON PUNCH WAITS ON WRONG
ECB-S. CLOSE CHECKS IOB-4 BUT WAITS ON THE ECB POINTED
TO BY IOBPLUS4 WHICH IS NOT THE SAME ECB.

MODULE -- IGGO201A

*
P20106   NL511

          IEM38561 IN MODULE IEMRA WILL OCCUR IF
AN ARITHMETIC ARRAY IS DEFINED ON A CHARACTER ARRAY
AND OTHER DEFINED ITEMS FOLLOW IN THE SAME BLOCK.

MODULE -- IEMJP

*
P20107   C5505

          INCORRECT JCL CARDS ARE NOT RECOGNIZED
BY THE READER WHEN THE VERB ON DD CARDS CONSISTS OF
ONLY ONE -D-. ./THE INPUT CARD HAS THE FORM -//DDNAME
D PARM1,PARM2,....-/. THE JOB OR STEP IS NOT FAILED
BECAUSE OF INVALID JCL.

MODULE -- IEF7KPXX IEFVHM

*
P20113   CQ519

          IF AN ACTIVELY TRANSMITTING DIAL
TERMINAL IS INTERCEPTED, THE LINE WILL DISCONNECT
WITHOUT REPOLLING THE TERMINAL.

MODULE -- IGGO19NG

*
P20116   D1508

          MESSAGE IEC126I IS MISLEADING IN ITS
TEXT.

MODULE -- IGGC191V

*
P20123   CI505

          ABEND DID NOT PURGE AEQ CORRECTLY.
THE FIRST IQE IS NOT REMOVED.

MODULE -- IEAQTMOA

*
P20137   D1508

          A PROBLEM CAN EXIST WHEN USING AN SL
TAPE WITH AN UNEXPIRED EXPIRATION DATE AND A DSNAME IN
EXCESS OF 20 CHARACTERS. SECURITY PROTECTION MAY BE
IGNORED OR IF THE 21ST CHARACTER OF THE DSNAME IS AN
X-F1-, THE TAPE MAY BE REJECTED.

MODULE -- IGGO550G

*
P20139   LM512

          WHEN A CALL IS MADE TO IHEDUMP WITH
A DUMMY DD CARD FOR PL1DUMP THEN A LOOP WILL OCCUR.

MODULE -- IHEDUM,IHEZZC

*
P20141   UT506

                    THE PROBLEM OCCURS BECAUSE A POINTER
TO THE JFCB IS NOT RESET PRIOR TO INSERTING A DSNAME
TO PERFORM ON OPENJ. THE PROGRAMS ABENDS WITH 400
AS A RESULTS OF THE DSNAME BEING MOVED INTO DEB.

MODULE -- IEHDPASS

*
P20142   CQ513

                    WHEN A LINE ERROR IS DETECTED BY BTAM
ON A MULTIPOINT BSC LINE, THE INDEX BYTE IS OVERLAYED
BY THE STX CHARACTER ON THE RETRY OPERATION.

MODULE -- IGE0004C,104C,204C,304C,504C,704C,604C,804C

*
P20143   CQ513

                    WHEN USING BTAM BSC THE ALTERNATING
ACKNOWLEDGEMENT POINTERS ARE NOT BEING RESET WHEN AN EOT
IS RECEIVED AS TEXT.   BTAM IS INCORRECTLY CHECKING THE
BYTE BEFORE THE I/O AREA FOR AN ETX OR ETB CHARACTER,
IF THIS BYTE IS THE HEX REPRESENTATION FOR ETX OR ETB
THE ACK POINTERS ARE NOT RESET.

MODULE -- IGG019MB

*
P20155   LM512

                    IF AN I/O ERROR OCCURS ON A STREAM
INPUT FILE IT WILL BE TREATED AS EITHER END OF FILE
OR UNEXPECTED END OF FILE INSTEAD OF TRANSMIT.

MODULE -- IHEIQD

*
P20157   C2505

                    THE CDE HOUSEKEEPING ROUTINE ./EOT-
CDHKEEP/. TESTS TO SEE IF A MODULE HAS BEEN LOADED INTO
THE JOB PACK AREA SP 251 OR SP 252. A MODULE IN THE
PROCESS OF BEING LOADED WOULD NOT BE FLAGGED. THIS
COULD RESULT IN A GETMAIN TERMINATION WITH CC 305. THE
WAIT STATE IS CAUSED BY THE SYSTEM TASK ABEND.

MODULE -- IEAQET

*
P20161   UT506

                    WHEN DUMPING A BPAM DATASET WITH KEYED
RECORD, THE DUMP FUNCTION OF IEHDASDR REPEATS THE CCW
RECORD ON TAPE UPON ENCOUNTERING A KEYED END-OF-FILE
./EOF/. RECORD. ERROR IS DISCOVERED WHEN RESTORE-ING
THE TAPE ./RESTORE GIVES I/O ERROR MSG FOR TRACK-
OVERFLOW AND TERMINATES./.

MODULE -- IEHDEXCP

*
P20164   C5505

                    A USER COMPLETION CODE, NOT A SYSTEM
CODE, IS INCLUDED IN MESSAGE IEF450I WHEN THE SYSTEM
CANCELS A JOB BECAUSE IT EXCEEDED SPECIFIED QUEUE
SPACE DURING TERMINATION.

MODULE -- IEFYNIMP

*
P20169   RC541

                    THE JOB WILL BE PLACED ON THE HOLD
Q BECAUSE WHEN A JOBLIB STATEMENT IS THE FIRST STAT-
EMENT ENTERED THE JOB CARD IS CREATED AT THIS TIME
AND THE DEFAULT IS FOREGROUND.

MODULE -- IKAPENTO IKAPRECO

```
*
P20170          RC541
```

                IKAPLONO DOES NOT CHECK FOR A TERMINATE
RETURN CODE FROM IKDMSG WHICH IS A SGJP MODULE. PROBLEM
TWO IS CAUSED BY DIFFERENT PARAMETER LISTS BEING PASSED
TO IKAACCTG BY IKAPLONO AND IKAPLOGO. ANY RETURN CODE
OTHER THAN THOSE EXPECTED FROM IKAACCTG WILL CAUSE
IKAPLONO TO TERMINATE GJP.

MODULE -- IKAPLOGO IKAPLONO

```
*
P20178          C5505
```

                IN SYSTEM WARM START PROGRAM CHECKS
MAY OCCUR IN IEFSD304 OR IEFSD055 FOLLOWING THE ERROR
MESSAGE 'IEF422I SYSTEM RESTART I/O ERROR' THIS RESULTS
BECAUSE THE MESSAGE BUFFER OVERLAYS A REGISTER SAVE
AREA.

MODULE -- IEFSD304

```
*
P20180          CQ519
```

                REGISTER 0 IS BEING DESTROYED DURING
INVOCATION OF THE SUPERVISOR ROUTINES OF ON-LINE
TERMINAL TEST.

MODULE -- IECKONLT

```
*
P20181          CQ519
```

                IF ALL LINES ARE OPENED IN THE IDLE
STATE, A FTARTLN WILL ENABLE THE LINES, BUT POLLING
WILL NOT BEGIN. THE LCB-S FOR THE LINES REMAIN ON THE
READY QUEUE AND CANNOT BE REMOVED UNTIL A QWAIT OR
QPOST SVC IS ISSUED OR AN INTERRUPT IS RECEIVED FROM
A LINE.

MODULE -- IGG019NG

```
*
P20184          D1508
```

                AN EXECUTE INSTRUCTION IN MODULE
IGG0550M WAS MOVING ONE TOO MANY BYTES. AS A RESULT,
AN OC5 PROGRAM CHECK OCCURRED.

MODULE -- IGG0550M

```
*
P20187          C5505
```

                THE SYSTEM LOOPS AT TERMINATION OF
A DEFERRED RESTART JOB IF THE JOBNAME FOR THE RESTART
JCL IS DIFFERENT THAN THE CHECKPOINT JOB.

MODULE -- NONE

```
*
P20194          UT506
```

                COMMAND FOLLOWED BY A DELIMITER IS
ACCEPTED ./PARTIALLY /. EVEN THOUGH DELIMITER IS NOT
A BLANK.

MODULE -- IEBASCAN

```
*
P20197          NL511
```

                THE CARRIAGE CONTROL CHARACTER IS
NOT TRANSMITTED THROUGH THE MICRO PRE-PROCESSOR WHEN
- NOSOURCE2 - IS SPECIFIED IN THE OPTION LIST.

MODULE -- IEMAS

```
*
P20200          RC541
```

                THE INCOMPLETE MESSAGE IS CAUSED BY
A BAD MOVE INSTRUCTION IN THE INTERNAL ERROR ROUTINE.

MODULE -- NONE

*
P20202   NL511

          IF AN ISTALLATION SPECIFIES A CARRIAGE
CONTROL CHARACTER POSITION AT SYSTEM GENERATION TIME
THEN IT IS IMPOSSIBLE FOR A USER TO OVERRIDE THIS TO SAY
NO CARRIAGE CONTROL CHARACTER POSITION BY MEANS OF THE
SORMGIN OPTION.

MODULE -- IEMAB

*
P20203   NL511

          WHEN A PROCEDURE WHICH EXPECTS A POINTER
VALUE TO BE RETURNED USES THE NULL BUILT IN FUNCTION
AS THE EXPRESSION IN ITS RETURN STATEMENT MESSAGE
IEM17531 IS ERRONEOUSLY PRODUCED.

MODULE -- IEMNA

*
P20208   FO500

          IF A DUMMY ARGUMENT TO A SUBPROGRAM IS
FIRST USED AS A DUMMY EXTERNAL FUNCTION IN A CALL STATE-
MENT AND THEN USED AGAIN AS AN ARGUMENT TO STILL ANOTHER
EXTERNAL SUBPROGRAM CALLED BY THE SAME SUBPROGRAM, IN-
CORRECT CODE IS GENERATED AND THE PROGRAM WILL TERMINATE
IN VARIOUS WAYS DURING EXECUTION.
E.G.   SUBPROGRAM A ./FUNCT/.
       CALL FUNCT
       CALL B ./FUNCT/.
AN ADCON IS NOT GENERATED FOR THE PARAMETER LIST IN
THE SECOND CALL STATEMENT.
THE PROBLEM HAS BEEN CORRECTED FOR R17 AS AN INCREMENTAL
IMPROVEMENT.   THERE IS NO BYPASS FOR THE PRESENT.

MODULE -- NONE

*
P20211   LM501

          ROUNDING IS NOT ALWAYS CONSISTENT WITH
EXPECTED RESULTS FOR THE FORTRAN OUTPUT CONVERSION WHEN
THE DIGIT USED TO ROUND ON IS SUPPOSED TO BE 5.   THE
CONVERSION ROUTINES OCCASIONALLY PRODUCE A 499 SEQUENCE
INSTEAD OF 5 AND THUS A CARRY IS NOT PROPAGATED.

MODULE -- IHCFCVTH,IHCFCOME

*
P20213   LM501

          AN I/O ERROR IS RECOGNIZED BY IHCFIOSH
IN PROCESSING A REWIND REQUEST.   SINCE TWO BUFFERS ARE
BEING USED, THE ERROR IS A RESULT OF THE -READ AHEAD-
WHICH HAS NOT BEEN REQUESTED BY THE PROBLEM PROGRAM.

MODULE -- IHCEFIOS IHCFIOSH

*
P20216   C3505

          WAIT STATE OCCURS BECAUSE I/O IS
STARTED ON A DEVICE FOR WHICH AN I/O ERROR RTN. IS
IN CONTROL.   THE UCBERR FLAG IS NOT CHECKED IN THE
GET RQE ROUTINE.

MODULE -- IECIOS

*
P20217   CQ513

          AN F03 WAIT RESULTS FROM A PROGRAM
CHECK CAUSED BY BTAM ERROR RECOVERY MODULE IGE0304A
EXECUTING AN OI INSTRUCTION WITH AN INCORRECT BASE
REGISTER.

MODULE -- IGE0304A

*
P20219   UT506

                IEHINITT DEFAULTS TO 800 BPI WHEN LABEL-
  ING A TAPE.

MODULE -- IEHINITT

*
P20221   NL511

                ON SYSTEMS WITHOUT THE INTERVAL TIMER
  OPTION COMPILATION TIME IS INCORRECTLY GIVEN AS 780
  MINS FOR ANY COMPILATION.

MODULE -- IEMAA   IEMAK

*
P20222   CQ513

                WHEN A TIME OUT OCCURS WHEN SENDIG
  ADDRESSING CHARACTERS, BTAM DOES NOT RECOVER PROPERLY.

MODULE -- IGG019PA,IGG019MB

*
P20227   C5505

                WHEN A WRITER RUNNING IN A SMALL
  PARTITION ABENDS WHILE ENQUEUED ON A SYSTEM RESOURCE,
  AN INTERLOCK CONDITION CAN RESULT IF ALL OTHER LARGE
  PARTITIONS WHICH ARE NEEDED FOR TERMINATION SERVICES
  ARE ENQUEUED IN BACK OF THE SMALL PARTITION.

MODULE -- IEFSD599

*
P20237   C8505

                ON A SHARED DASD DEVICE THE COUNT IN
  THE SENSE CCW IS 5 INSTEAD OF 6.

MODULE -- IECIOS

*
P20246   AS037

                THE CUSTOMER REQUESTS THAT WE PRINT
  THE DEVICE ADDRESS ON THE CONSOLE IN PLACE OF THE
  DDNAME WHEN WE ENCOUNTER PERMANENT I/O ERRORS.

MODULE -- NONE

*
P20254   CI535

                OF2 ABEND CAUSED BY TTIMER. REG 9
  DOES NOT CONTAIN THE BASE REG ADDRESS WHEN LOADING
  REGISTER 14.
  THIS PROBLEM DOES NOT EXIST IN RELEASE 17.

MODULE -- NONE

*
P20258   C5505

                AN ABEND WILL OCCUR WHEN DEFINING A
  PARTITION WITH A CLASSNAME OF K AND ANOTHER CLASS NAME.
  EXAMPLE' -P3 EQ MK-. WHEN THE CLASSNAME K IS USED
  ALONE ./-P3 EQ K-/., MESSAGE IEE807A DEFINITION
  PARAMETER ERROR OCCURS.

MODULE -- NONE

*
P20270   UT506

                80A ABEND OCCURS WHEN MODULE IEHMVSRS
  INCORRECTLY CALCULATES THE AMOUNT OF CORE USED.

MODULE -- IEHMVSRS

*
P20292   CI535

                F03 WILL OCCUR WHEN SYS1.SYSVLOGX AND
  SYS1.SYSVLOGY DATA SETS ARE ON DIFFERENT VOLUMES.

MODULE -- IEEVLOPN

*
P20294   C5505

                    SYSTEM ASSIGNED TRANSIENT READER WILL
NOT RESTORE TO A HIGHER PRIORITY PARTITION IF THE PARTITION
IT WAS SUSPENDED FROM IS TERMINATING A TASK IN A SMALL
PARTITION.

MODULE -- IEFSD530

*
P20301   CI535

                    A OC5 ABEND IN THE COMMAND HANDLER
MODULE IEEO7C3D, FOLLOWED BY A F03 WAIT STATE, MAY
RESULT WHEN A START INIT COMMAND IS FOLLOWED BY A STOP
INIT COMMAND, BEFORE MESSAGE -IEF403I INIT STARTED
APPEARS ON THE CONSOLE.

MODULE -- IEE0703D,IEE0803D

*
P20307   CI535

                    THE MESSAGE IEF311I QUEUE MGR I/O ERROR
WILL APPEAR IF AN UNCORRECTABLE INPUT/OUTPUT ERROR
OCCURRED WHILE READING THE SYS1.SYSJOBQE DATA SET.   THIS
MESSAGE IS NOT DOCUMENTED.

MODULE -- NONE
*
P20308   FD521

                    WHEN A COMMON SECTION WAS DEFINED ON AN
AUTOMATIC CALL LIBRARY COMMON WAS PROMOTED TO THE ROOT
SEGMENT OF AN OVERLAY PROGRAM, RATHER THAN TO THE HIGH-
EST LEVEL SEGMENT IN WHICH IT WAS NEEDED. ./SIMILARLY,
ANY COMMON SECTION APPEARING BEFORE THE INSERT CARD
FOR THE CSECT IN WHICH IT WAS CONTAINED WAS PROMOTED
TO THE HIGHER SEGMENT./.

MODULE -- IEWLMESD

*
P20310   UT506

                    IEHMOVE DOES NOT MOVE AN UNMOVABLE DATA
SET TO ANOTHER LOCATION ON THE SAME VOLUME.

MODULE -- IEHMVSRV

*
P20317   CI535

                    MODULE IEFPRES HAS A DUPLICATE INLINE
INSTRUCTION.   THIS DOES NOT AFFECT THE MODULES OPER-
ATION.

MODULE -- IEFPRES

*
P20321   CI535

                    GOTTEN CORE IS NOT ALWAYS PRINTED OUT
WHEN TRACE TABLE IS PRINTED DURING ABDUMP.

MODULE -- IEAQAD08

*
P20323   CQ513

                    OC5 ABEND DUE TO IMPROPER GETMAIN FOR
DATA EXTENT BLOCK IN BTAM OPEN.   THE NUMBER OF BYTES
REQUESTED IS BEING ROUNDED DOWN TO A DOUBLE WORD BOUNDARY
INSTEAD OF UP TO THE NEXT DOUBLE BOUNDARY.

MODULE -- IGG0193M

*
P20324   UT506

                    THE USER ADMITTEDLY ENTERED INCORRECT
CONTROL STATEMENTS BUT CORRECTLY ASSERTS THAT AN
ABEND SHOULD NOT OCCUR.   ALTHOUGH THE SRL STIPULATES
THAT THE KEYWORD 'MAXGPS' IS ONLY NECESSARY FOR 'IDENT'
KEYWORDS, IT IS IMPLICIT THAT MULTIPLE 'RECORD' STATE-
MENTS NECESSITATE 'IDENT' PARAMETERS.

MODULE -- IEBPPAL1

*
P20326   D1508

          RENAME DOES NOT PROPERLY MOVE THE
VOLUME SERIAL NUMBER TO THE UCB WHEN MOUNTING A NEW
VOLUME.

MODULE -- IGG03002

*
P20338   CI535

          WHEN RUNNING SHARED DASDI, THE DEVICE
TYPE OF A DATA SET ON A SHARED DASDI DEVICE MAY BE
CATALOGED INCORRECTLY BECAUSE THE SHARED FILE BIT IN
THE DEVICE TYPE IS NOT TURNED OFF.

MODULE -- IEFZGST1

*
P20347   RC541

          THE PROBLEM IS CAUSED BY THE JOB NAME
NOT BEING COMPLETE AT THE TIME THE STOP IS ISSUED.

MODULE -- IKASC082

*
P20352   CI505

          DURING SYSTEM GENERATION THE FORTRAN
MACRO WAS CALLED WITH DESIGN EQ H AND SIZE EQ 105K
./INSTEAD OF 150K/.. AFTER PRINTING THAT THIS IS AN
INVALID SIZE, THE SYSGEN WENT INTO A LOOP.

MODULE -- FORTRAN

*
P20355   C2505

          PROGRAM ERROR. A TEST UNDER MASK
INSTRUCTION HAD NOT BEEN INDEXED BY THE PROPER REGISTER.
./ TCB REGISTER C /.

MODULE -- IEAATMOA

*
P20360   C8505

          IOS DOES NOT CAUSE CHANNEL END APPENDAGE
TO BE ENTERED FOLLOWING SUCCESSFUL RECOVERY FROM UNIT
EXCEPTION OR WRONG LENGTH RECORD AND UNIT CHECK ON
TAPE.

MODULE -- NONE

*
P20367   UT506

          DUMPING WITH IEHDASDR UTILITY WILL
INTERMITTENTLY ABEND WITH A 'C4'.

MODULE -- IEHDCONS

*
P20375   NL511

          THE COMPILER LOOPS IN MODULE IEMHK IF
A CROSS SECTION OF AN ARRAY IS ASSIGNED TO A SCALAR
ELEMENT.   SEE STMT 78.

MODULE -- IEMHK,IEMHL

*
P20379   NL511

          REDUNDANT ENTRIES ARE PRINTED IN THE
AGGREGATE LENGTH TABLE FOR BASED AGGREGATES.

MODULE -- IEMPT

*
P20380   CI505

          THE ENTRY FOR SVC 80 IS NOT BEING MADE
IN THE SVC TABLE DURING A NUCLEUS ONLY SYSGEN IF GJP
IS REQUESTED VIA THE GJOBCTL MACRO.

MODULE -- GENERATE

*
P20384   CO513

          WHEN TRANSMITTING DATA TO A 2780 IN
INTERMEDIATE BLOCK CHECK MODE, BTAM DOES NOT RETRY A
LINE ERROR. THIS WRITE ./OR READ/. IN ERROR SHOULD BE
RETRIED.

MODULE -- IGE0504C

*
P20387   CO513

          DATA IS OFFSET BY ONE BYTE ON A
RETRY OF A TEXT ERROR BY BTAM ERP.

MODULE -- IGE0404B

*
P20388   CO513

          LOPEN MACRO DOES NOT GENERATE THE
PROPER CHANNEL PROGRAM FOR BI-SYNCH DEVICES.

MODULE -- IECTLOPN

*
P20390   CO513

          A RETURN CODE OF X-14- FROM A BTAM READ
CAUSED BY AN ERROR ON AN ENABLE COMMAND AT OPEN TIME.
WHEN LOPEN MACRO IS ISSUED A RETURN CODE OF X-00- IS
RETURNED.

MODULE -- IECTLOPN

*
P20391   CO519

          AN ABEND OCCURS WHEN A BUFFER IS POSTED
TO A DESTINATION QUEUE BECAUSE THE DESTINATION QUEUE
ADDRESS IS INVALID.

MODULE -- IGG019ND

*
P20394   CO519

          ERROR MESSAGES HAVE THE SAME SEQUENCE
OUT NUMBER AS THE MESSAGE IN ERRORS. THIS WILL CAUSE
RETRIEVE TO RETURN THE ERROR MESSAGE INSTEAD OF THE
ORIGINAL MESSAGE.

MODULE -- IECKERMG

*
P20395   CO519

          A OC6 ABEND OCCURRED IN THE READ WRITE
ROUTINE BECAUSE A WRITE CONVERSATIONAL CHANNEL PROGRAM
HAS BEEN REQUESTED FOR A 115A TERMINAL.

MODULE -- IECKLNCH

*
P20396   CO519

          A LOOP OCCURS IN IECKQQ01 BECAUSE A BRB
HAS BEEN POSTED TO A QUEUE TWICE.

MODULE -- IGG019ND IGG019NE

*
P20397   CO519

          AFTER ISSUING A START LN MACRO ON MANY
LINES, SOME OF THE LINES MAY NOT BE STARTED.

MODULE -- IECKLNCH,IECKBRKE

*
P20401   CO519

          AN EQUIPMENT CHECK ON AUTOPOLLED LINE
CAUSES THE POLLING POINTER TO BE INCREMENTED PAST THE
END OF THE POLLING LIST. THIS WOULD HAPPEN FOR ANY
CONTROL MODE ERROR THAT IS NOT RETRIED.

MODULE -- IGG019NG

*
P20403   CQ519

                THE TIME OUT THRESHOLD COUNTER IS NOT
BEING RESET AFTER THE THRESHOLD HAS BEEN REACHED AND A
MESSAGE HAS BEEN GENERATED.
COMMENTS' THE TIME OUT COUNTER WILL BE CLEARED AFTER
A THRESHOLD MESSAGE IS GENERATED.

MODULE -- NONE

*
P20408   CQ519

THE GET MESSAGE ROUTINE MAY OVERLAY 255 BYTES FROM THE
WORK AREA. THIS CAN OCCUR WHEN A BUFFER OF A MULTI BUFFER
MESSAGE EXACTLY FILLS THE WORK AREA.
THE GET MESSAGE ROUTINE MAY OVERLAY 255 BYTES FROM THE
WORK AREA. THIS CAN OCCUR WHEN A BUFFER OF A MULTI BUFFER
MESSAGE EXACTLY FILLS THE WORK AREA.

MODULE -- IGG019NB IGG019NB

*
P20417   C0503

                PROGRAM BLOWS UP DURING COMPILATION
IF A RECORD LENGTH OF ZERO HAS BEEN SPECIFIED.

MODULE -- IEPICTOO

*
P20419   F0500

                UNDER OPT EQ 1 MULTIPLE LINES OF DATA ARE
PRINTED INSTEAD OF A SINGLE LINE OF DATA AND THEN THE
CARRIAGE CONTROL.

MODULE -- NONE

*
P20421   C5505

                USER ASSIGNED TRANSIENT READER WILL
NOT RESTORE AFTER ITS PARTITION HAS BEEN USED FOR SMALL
PARTITION SCHEDULING.

MODULE -- IEESD592 IEFSD510

*
P20429   SM023

                WHEN RUNNING A SORT UNDER MFT-II
AND SPECIFYING A CORE SIZE IN THE PARM FIELD OF THE
EXEC CARD SORT WILL SOMETIMES ABEND WITH A COMPLETION
CODE OF 0C5.

MODULE -- IER8CM

*
P20448   C5505

                CHECKPOINT ABEND DURING END OF VOLUME
PROCESSING ON CHECKPOINT FILE, DUE TO INCORRECT USE
OF REGISTERS.

MODULE -- NONE

*
P20452   C5505

                IF MESSAGE IEF867D IS PRINTED OUT MORE
THAN ONCE AN INVALID LETTER APPEARS AT THE END OF THE
MESSAGE. THIS LETTER IS NOT DOCUMENTED IN THE MESSAGES
AND COMPLETIONS CODE MANUAL.

MODULE -- IEFSD536,IEFSD533

*
P20454   C5505

                MESSAGE IEF865A 'Q FULL REPLY -WAIT- OR
-CANCEL- - JOBNAME' IS RECEIVED AFTER STARTING TRANSIENT
READER MANY TIMES. QUEUE RECORDS ASSIGNED TO THE TRAN-
SIENT READER ARE NOT RETURNED TO THE FREE TRACK QUEUE
WHEN THE READER TERMINATES.

MODULE -- IEFSD533

*
P20459   CI535

                    A LOOP AND/OR A PROGRAM CHECK MAY OCCUR
IN MODULE IEFVHN IF A TIOT ENTRY FOR A MULTI-DEVICE
DATASET EXISTS IN THE TIOT FOR THE READER PROCEDURE
BEFORE THE IEFRDER ENTRY.

MODULE -- IEFVHN

*
P20467   SM023

                    IF USER SPECIFIES SORTOUT DCB
PARAMETERS AS FIXED LENGTH UNBLOCKED RECORDS BUT THE
BLKSIZE PARAMETER IS LARGER THAN LRECL THE SORT ABENDS.

MODULE -- IERRCI

*
P20468   NL511

                    IEM38561 WITH PROGRAM CHECK IN MODULE
IEMPT IF MULTIPLE ARRAYS OF VARYING STRINGS ARE ALLOC-
ATED IN AUTOMATIC STORAGE.

MODULE -- IEMPT

*
P20476   FO500

                    BAD CODE GENERATED UNDER OPT EQ 2.
A REGISTER WAS INITIALIZED IN ONE BLOCK FOR CALCULATIONS
IN THE FOLLOWING BLOCK. AFTER THE CALCULATIONS, THE
REGISTER IS RELOADED WITH OTHER VALUES. HOWEVER, LATER
IN THE PROGRAM, THERE IS A BRANCH TO THE BLOCK WHICH
PERFORMS THE CALCULATIONS WITHOUT RE-INITIALIZING THE
REGISTER.
BYPASS' OPT EQ 0,1.

MODULE -- NONE

*
P20479   CI505

                    SEQUENCE CARD 06565516 IS IN ERROR.
IT HAS BEEN CORRECTED BY PTF 19526, DATED 11/8/68.

MODULE -- NONE

*
P20483   C2505

                    UPDATE ABEND 6 TO CHECK FOR TIMER BY
LOOKING IN TCBTME FIELD OF THE TCB RATHER THAN THE
PSEUDO-CLOCK OR THE TIMER QUEUE ADDRESS, BOTH OF
WHICH ARE IN THE CVT.

MODULE -- IEAATM05 IEAGTM05

*
P20484   DM508

                    WHEN USING A TAPE IF AN EXPER-
ATION DATE CHECK MESSAGE IS RESPONDED TO WITH
A AN M , AN ERROR IN MODULE IGG0190T WILL
ASSUME THAT THE REMOUNT IS ASSOCIATED WITH
THE LAST DCB IN THE LIST.

MODULE -- IGG0190T

*
P20487   D2508

                    PAPER TAPE MODULE IGG019AT DOES NOT
GIVE A DUMP IF AN ABEND IS ISSUED, BECAUSE THE DUMP
PARAMETER WAS OMITTED.

MODULE -- IGG019AT

*
P20497   UT506

                    USING ADD/NUMBER FUNCTIONS AN INVALID
INITIAL SEQUENCE NUMBER IS ASSIGNED AND IS DECREMENTED
FOR SUBSEQUENT DETAIL STATEMENTS.

MODULE -- IEBASCAN

*
P20500   C5505

                    WRONG NAME FOR STEP INITIATION WHEN
 ADDING AN ACCOUNTING ROUTINE. ./ IEFSD525/.
 PROGRAMMERS GUIDE WILL BE CHANGED TO REFLECT THE
 CORRECT MODULE. ./IEFW21SD /.

.MODULE -- NONE

*
P20510   CQ519

                    ABEND LOOPS IF THE QTAM MESSAGE CONTROL
 PROGRAM CLOSES BEFORE ALL THE PROCESSING PROGRAMS CLOSE.

MODULE -- IGG0203P

*
P20517   NL511

                    IF THE LP/1 LOAD MODULE IS LINK-EDITED
 THE -RENT-OPTION THEN A PROTECTION INTERRUPT WILL OCCUR
 IF ANY FILES HAVE TO BE CLOSED DURING TERMINATION OF
 THE PL/I PROGRAM.
 NOTE' THE USE OF THE RECURSIVE DOES NOT GUARANTEE RE-
 ENTRANT CODE, USE OPTIONS ON PROC STATEMENT.

MODULE -- IHEOCL   IHEOCT

*
P20527   RC541

                    INVALID SYNTAX CHECK IN VARY COMMAND
 FOR GFX.

MODULE -- IKAGCMD

*
P20531   D2508

 DISABLED LOOP IN MODULE IGG019C3 WHEN USING QSAM LOCATE
 MODE INPUT WITH TRACK OVERFLOW SPECIFIED IN RECORD FORMAT.

MODULE -- IGG019C3

*
P20550   CI535

                    THE DISPLAY ACTIVE COMMAND DISPLAYS THE
 WRONG NUMBER OF BYTES USED IN SQS AREA.

MODULE -- NONE

*
P20551   CI535

                    THE FORMAT OF THE MESSAGE IEE102I AS
 PRINTED ON THE CONSOLE DOES NOT AGREE WITH THAT DESCRIBED
 IN THE MANUAL MESSAGES AND CODES C028 6631-5.

MODULE -- NONE

*
P20552   UT506

                    INTERMITTENT WAIT WHILE DUMPING CON-
 CURRENTLY USING IEHDASDR IN MVT SYSTEM. COULD HAPPEN
 WITH THE FORMAT, ANALYZE, AND REMAINING FUNCTIONS OF
 IEHDASDR.

MODULE -- IEHDPASS

*
P20560   F0520

                    ON RETURN FROM AN EXTENDED RANGE OF A
 DO LOOP BASE REGISTERS ARE NOT RELOADED. ADDRESSING OR
 SPECIFICATION ERRORS MAY OCCUR.

MODULE -- IEYGEN

*
P20562   LM512

                    IF A FILE CANNOT BE OPENED DUE TO A
 MISSING DD-CARD THEN THE ERROR HANDLER WILL ATTEMPT TO
 OUTPUT A MESSAGE ON SYSPRINT IF SYSPRINT CANNOT BE
 OPENED, DUE TO A MISSING DD-CARD, THEN A PROTECTION
 CHECK OCCURS IN MODULE IHEOCL.

MODULE -- IHEOCL,IHEOCT

*
P20567   CI535

                  IEAQSY50 TESTS THE WRONG FLAG IN THE
   TCB TO DETERMINE IF THE TASK IS TERMINATED.

MODULE -- IEAQSY50

*
P20587   AS037

                  AN INVALID ENTRY IN THE PARM FIELD OF
   THE EXEC JOB CONTROL CARD GENERATES TWO ERROR MESSAGES'
   IEU055, THE CORRECT ERROR MESSAGE, PLUS IEU007, AN
   INCORRECT ONE. THE INCORRECT ERROR, IEU007, WAS LOGGED
   IN PHASE IEUF8 BECAUSE OF FAULTY LOGIC IN CHECKING TO
   SEE IF IEUF7 HAD FOUND A WRAP-AROUND ERROR.

MODULE -- IEUF8C

*
P20588   CI505

                  RECORDS MAY BE PLACED OUT OF SEQUENCE
   WHEN USING DEVICES CONNECTED TO THE MULTIPLEXOR CHANNEL.
   THE PROBLEM IS TIMING DEPENDENT, AND OCCURS WHENEVER
   IOS PROCESSES TWO OR MORE INTERRUPTS IN ONE PASS, AND
   THE FIRST REQUEST TO BE STARTED FROM THE QUEUE IS AN
   IMMEDIATE OPERATION TO A UNIT RECORD DEVICE. UNDER
   THESE CONDITIONS, IOS WILL EXIT WITHOUT RESTARTING ANY
   MORE DEVICES, AND ANY SUBSEQUENT EXCP-S COULD BE STARTED
   IMMEDIATELY, REGARDLESS OF ANY PRIOR REQUESTS WHICH MAY
   BE ON THE QUEUE.

MODULE -- IECIOS

*
P20598   DI508

                  USER RECEIVED A GARBAGE EXPIRATION DATE
   MESSAGE IEC107D ON IN-OUT OPEN OF UNEXPIRED TAPE.

MODULE -- IGG0190F

*
P20605   NL511

                  DOPE VECTORS FOR STATIC EXTERNAL LABEL
   ARRAYS MAY NOT BE PRODUCED IF THE LABELS THEY CONTAIN
   ARE ONLY USED IN THE PARTICULAR COMPILATION. THIS WILL
   CAUSE UNPREDICTABLE EXECUTION FAILURES.

MODULE -- IEMTO

*
P20618   C5535

                  A RECEIVED TEMPORARY DATA SET WITH
   A DISPOSITION OF OLD,DELETE IN THE SECOND OR
   SUCCEEDING STEP OF A MULTI STEP JOB WILL BE KEPT
   IF THE STEP IS FAILED DUE TO DIRECT ACCESS SPACE
   REQUESTED NOT AVAILABLE.

MODULE -- IEFYPJB3

*
P20626   C2535

                  CONFLICT BETWEEN ROLLOUT/ROLLIN ABEND
   CODES FFE AND FFF WITH INVALID SVC OPERAND ABEND CODE
   FNN.

MODULE -- IEAQRORI

*
P20635   AS037

                  OCCASIONALLY THE ASSEMBLER GENERATES
   LENGTH ERROR ./IEU003/. MESSAGES WHEN IT SHOULD NOT.
   THIS CAN HAPPEN IN DC OR DS STATEMENTS IF THERE IS
   A SYMBOL IN THE LENGTH MODIFIER AND IF THE SYMBOL TABLE
   HAS OVERFLOWED. THE SYMBOL TABLE CAN OVERFLOW WHILE
   EXECUTING A LARGE ASSEMBLY IN RELATIVELY LIMITED CORE.

MODULE -- NONE

*
P20636   C5505

                 CHECKPOINTS CANNOT BE TAKEN IN
  SUCCESSIVE JOBS USING THE SAME 7-TRACK TAPE.

MODULE -- NONE

*
P20637   RC541

                 INVALID CHARACTER AT END OF ERROR MESSAGE
  ISSUED BY GJP.

MODULE -- IKAMERRO

*
P20641   C3505

                 WHEN BUSOUT CHECK OCCURS ON A 2520 A
  CHANNEL END PERMANENT IS DECLARED IMMEDIATELY.   ONE
  RETRY SHOULD BE ALLOWED.

MODULE -- IGE0000E

*
P20650   CI535

                 THE USE OF INCORRECT JCL, VOL EQ REF
  EQ ./ PRIVATE, RETAIN /. , CAUSES LOOP IN IEFVDA.

MODULE -- NONE

*
P20659   UT506

                 ON A COPY VOLUME OPERATION, WHEN A
  MODEL DSCB IS ENCOUNTERED IN THE VTOC, ALL SUBSEQUENT
  PDS-S IN THE VTOC FAIL TO HAVE ANY OF THEIR MEMBERS
  COPIED.

MODULE -- IEHMVSSX

*
P20662   CI505

                 USING MULTIPLE VOLUME SERIALS ON
  A DD CARD CAUSES F03 OR LOOP IN THE SCHEDULER.

MODULE -- NONE

*
P20664   C5535

                 MESSAGE -IEF630I - UNIDENTIFIED KEYWORD-,
  INSTEAD OF MESSAGE -IEF622I - UNBALANCED PARENTHESIS-, IS
  ISSUED WHEN A LEFT PARENTHESIS IS NOT BALANCED BY A
  RIGHT PARENTHESIS.

MODULE -- IEFVFA

*
P20668   UT507

                 RECOVER/REPLACE TERMINATES WITH ERROR
  MESSAGE IBC218W INVALID ERROR WHEN USING A DUAL DENSITY
  TAU.

MODULE -- IBCRCVRP

*
P20675   NL511

                 IF A FUNCTION ARGUMENT IS AN EXPRESSION
  CONTAINING A SHORT FLOAT VARIABLE EXPONENTIATED BY
  AN INTEGER POWER, THEN THE EXPRESSION MAY BE INCORRECTLY
  ANALAYSED AS LONG FLOAT.   INCORRECT GENERIC SELECTION
  MAY OCCUR, WITH INCORRECT RESULTS IF THE EXPRESSION
  IS COMPLEX.

MODULE -- IEMIN

*
P20695   NL511

                 WHEN THE FORMAT ITEMS SKIP OR COLUMN
  ARE ERRONEOUSLY USED IN THE FORMAT LIST FOR EDIT
  DIRECTED I/O WITH THE STRING OPTION, THE PROGRAM WILL
  FAIL IN EXECUTION ON THIS STATEMENT, WITH MESSAGE
  IHE8001-INVALID OPERATION.

MODULE -- IHEIOX   IHEIOP

*
P20702   D1508

              FOR SPECIFIC VOLUME REQUESTS ON
DUAL DENSITY DRIVES, IF THE OPERATOR MOUNTS A
TAPE WITH THE REQUESTED VOLID BUT THE WRONG
DENSITY, SUBSEQUENT MOUNT MESSAGES REQUEST A
SCRATCH TAPE.

MODULE -- IGG0190A IGG0190T

*
P20704   C5535

              A F13 ABEND RESULTS WHEN USING DCB EQ
DSNAME ON SYSOUT DD-S. THIS CONDITION DOES NOT OCCUR
IN PCP.

MODULE -- IEFVMLS1

*
P20706   NL511

              DURING COMPILATION, SOME CHARACTERS
IN THE SYSPRINT OUTPUT WHICH SHOULD BE BLANKS, THAT
IS HEX 40, ARE OUTPUT AS HEX 00. NOTE THAT IF PRINTED
IN THE NORMAL WAY, THESE CHARACTERS WILL APPEAR
CORRECTLY AS BLANKS.

MODULE -- IEMAN,IEMCA,IEMAB,IEMA2,IEMMS

*
P20716   NL511

              IF A SUBSCRIPT OR THE TEMPORARY
RESULT OF A SUBSCRIPT EXPRESSION IS FIXED BINARY AND'
HAS A NON ZERO SCALE FACTOR AND IS NOT THE FIRST SUBSCRIPT
THEN SEVERE ERROR MESSAGE IEM27021 IS PRODUCED. THIS
ONLY APPLIES TO RELEASE 16.

MODULE -- IEMMS

*
P20719   C5535

              MESSAGE IEF308I NOT ENOUGH CORE FOR
PROCESSING IS NOT DOCUMENTED IN THE MESSAGES AND
CODES MANUAL C28-6631-5.

MODULE -- NONE

*
P20720   CB524

              CHECKPOINTS TAKEN DURING COBOL EXECUTION
WHEN DISPLAY IS USED AND SPOOLED SYSOUT DATASETS ARE
USED CAUSES F03 BECAUSE SYSOUT IS LEFT OPEN AFTER THE
INITIAL DISPLAY.

MODULE -- NONE

*
P20724   FQ500

              UNDER OPT EQ 2, A SPECIFICATION
ERROR RESULTS WHEN THE 2ND OPERAND OF AN AD
INSTRUCTION IS ON A FULL-WORD BOUNDARY. THIS
OCCURS BECAUSE PHASE 20 REPLACES A 1-BYTE
TEMPORARY WITH A FULL-WORD CONSTANT.
ON RELEASE 17, PHASE 20 WILL REPLACE THE ONE BYTE
TEMPORARY WITH A T-TEMPORARY ON A DOUBLE WORD
BOUNDARY.

MODULE -- NONE

*
P20737   NL511

              WHEN THE SET OPTION IS USED ON A
READ STATEMENT THE TRANSMIT CONDITION WILL NOT BE RAISED.

MODULE -- IHEITG

*
P20745   C5535

            A WAIT STATE MAY RESULT WHEN THE TIOT
DEVICE ENTRY EXCEEDS ITS MAXIMUM LENGTH OF X-FF- BYTES.
THIS EXCESSIVE LENGTH IS CAUSED BY THE CONSTRUCTION OF
THE CANDIDATE LIST FOR ALLOCATION ./FROM ELIGIBLE, ONLINE
DEVICES/. WHICH HAS MORE THAN 59 POSSIBLE CANDIDATES.

MODULE -- IEFWCIMP

*
P20750   C5505

            A VARY OFFGFX COMMAND WITH -F- OR
-M- CAUSES AN INTERNAL -CANCEL- COMMAND. THIS
COMMAND IS UNSUCCESSFUL FOR JOBS ON THE HOLDQ AND
RESULTS IN IEE312I. THE PROBLEM IS LIMITED TO MFT2.

MODULE -- IEESC562

*
P20754   LM501

            IF THE MAXIMUM ERROR COUNT FOR ERROR
215 ./CONVERT ERROR/. HAS BEEN REACHED, THE BUFFER
WHICH IS IN ERROR DOES NOT PRINT OUT FOLLOWING THE
SUBSEQUENT IHC215I ERROR MESSAGE.

MODULE -- IHCERRM

*
P20755   LM512

            DURING AN IMPLICIT CLOSE THE OPTIONS
REWIND OR REREAD ARE CHOSEN ARBITRARILY AS THE WRONG
FLAG IS TESTED.

MODULE -- IHECLT,IHECTT

*
P20759   LM512

            AFTER AN IMPLICIT CLOSE CORE IS NOT
FREED, BUT LEFT FOR STEP TERMINATION TO FREE. WHEN
CONTROL IS RETURNED TO AN ASSEMBLER PROGRAM AFTER THE
CLOSE THIS CORE DOES NOT GET FREED.

MODULE -- IHECLT,IHECTT

*
P20761   C5535

            A F13 ABEND RESULTS WHEN SGJP LINKS
TO THE READER/INTERPRETER TO START A SECOND JOB.

MODULE -- IEFVHN

*
P20769   D2508

MODULE IGG0201Z MOVES THE MEMBER NAME FROM THE UCB INTO
THE NAME FIELD OF THE WTG TABLE WHEN IT HAS TO ISSUE A
STOW. HOWEVER, IT DOES NOT REPLACE THE MEMBER NAME WHEN
THE STOW IS FINISHED WITH THE CLOSE ID. THIS PRESENTS A
PROBLEM IF THE SVC ROUTINES ARE RESIDENT.
MODULE -- IGG02012
MODULE -- IGG02017

*
P20800   CQ519

            IF CALL EQ NONE IS SPECIFIED IN THE
TERMTBL ENTRY FOR A SWITCHED TERMINAL AND AN ERROR
OCCURS ON THE LINE, A DISABLE COMMAND IS ISSUED TO
THE LINE AND ANY MESSAGES QUEUED FOR THE TERMINAL
WILL BE SENT TO THE NEXT TERMINAL CALLING IN ON THE
SAME LINE. A SENDING OPERATION WAS BEING ATTEMPTED
AT A TIME WHEN NO CONNECTION COULD BE ESTABLISHED.

MODULE -- IGG019NG IGE0004F IGE0404E IGE0804E IGE0204E IGE0704F
          IGE0104E IGE0504F

*
P20803   I0523

                AUTOMATIC REGENERATION OF A GRAPHIC
PROGRAM CONTAINING AN EOS ORDER CAUSES MULTIPLE
ATTENTIONS TO BE QUEUED. IN THE TIME SLICING ENVIRON-
MENT, PROCESSING OF THE ATTENTIONS IS DELAYED SUFFI-
CIENTLY TO CAUSE QUEUING OF THE IQE-S THROUGHOUT
AVAILABLE CORE.

MODULE -- IGG0190E

*
P20808   C6535

                OVERLAY PROGRAMS WITH MORE THAN 63
SEGMENTS DO NOT WORK ON MVT.

MODULE -- IEWSWOVR

*
P20810   CI535

                BTAM-S PCI APPENDAGE BRANCHES TO POST
TO POST ECB. BECAUSE THE WAIT ON THE ECB WAS ISSUED IN
PROBLEM PROGRAM STATE, POST BRANCHES TO VALIDITY CHECK
ROUTINE ./IEAOVL01/. WITHOUT INITIALIZING REGISTER 3
TO POINT TO THE CVT. THIS CAUSES THE ECB TO BE FLAGGED
AS AN INVLAID ADDRESS AND POST BRANCHES TO ABTERM TO
ABEND THE USER.

MODULE -- IEAQSY50

*
P20811   UT506

                USING IEHDASDR TO DUMP TRACK OVERFLOW
RECORDS THE FOLLOWING RESULTS' 1- IF RECORD ONE IS
OVERFLOW, THE DATA WILL BE LOST.
2- FOR ALL OVERFLOW SEGMENTS OTHER THAN RECORD ONE, THE
DATA WILL BE TRANSFERRED BUT NOT FLAGGED AS TRACK
OVERFLOW.

MODULE -- IEHDPRNT,IEHDEXCP

*
P20816   I0526

                IF A SETL BY GENERIC KEY IS DONE TO A
DELETED RECORD, A LOWER KEY LIMIT NOT FOUND IS RETURNED
TO THE USER.

MODULE -- IGG019HD

*
P20824   NL511

                COMPILER ABORT WITH IEM10281 MAY OCCUR
IN MODULE IEMIA IF AN ALLOCATE OR FREE VARIABLE IN AREA
STATEMENT IS USED IN A PROGRAM WHERE THERE ARE NO FILE
OPERATION STATEMENTS PRESENT. IEMGB IS NOT MARKED
WANTED BY IEMCL IN THIS CASE.

MODULE -- IEMCL

*
P20838   C5505

                WHEN MORE THAN 24 SYSOUT CLASSES
ARE USED THE SCHEDULER ABENDS WITH A 60A COMPLETION
CODE. THIS OCCURS BECAUSE THE JCT DOES NOT
INDICATE THAT TWO SCD-S WERE CREATED FOR THIS JOB.

MODULE -- NONE

*
P20843   NL511

                IEM39091 TERMINATION DURING MACRO
PROCESSING WILL OCCUR WHEN THE EXTENDED DICTIONARY
OVERFLOW BLOCK IS FILLED. CORRECT MESSAGE TEST IS
NOT PRINTED.

MODULE -- IEMBG   IEMBP   IEMBV

*
P20846   NL511

IF A PARAMETER PASSED TO AN ENTRY POINT OR THE
ARGUMENT TO BUILTIN FUNCTION ADDR IS AN
ELEMENT OF AN ARRAY OF STRUCTURES, ANY BIT
STRING BASE ITEMS WILL CAUSE INCORRECT CODE TO
BE GENERATED, RESULTING IN UNPREDICTABLE EXECUTION
FAILURE.

MODULE -- IEMOB

*
P20852   IO526

          QISAM RESUME LOAD WRITES NEXT NORMAL
INDEX ENTRY OVER LAST OVERFLOW ENTRY IN ISL WORK AREA,
GIVES NO RECORD FOUND WHEN EOF IS FIRST AND ONLY ENTRY
ON A STRIP, AND ISAM CLOSE UPDATES THE FORMAT 2 DSCB
WHEN ABEND ISSUES CLOSE ON A LOAD MODE DCB.   SUBSEQUENT
RESUME LOADS WILL THEN FAIL.

MODULE -- IGG0196G IGG019GA IGG019GB IGG0202D

*
P20853   IO526

          QISAM RESUME LOAD WRITES NEXT NORMAL
INDEX ENTRY OVER LAST OVERFLOW ENTRY IN ISL WORK AREA.

MODULE -- IGG0196G IGG029GA IGG019GB IGG0202D

*
P20857   LM512

          IF CERTAIN VALUES IN THE RANGE
MINUS 5.32543 E MINUS 09 TO MINUS 1.61879 E MINUS
10 ARE USED AS A SINGLE PRECISION ARGUMENT TO THE
BUILT IN FUNCTION EXP THEN THE VALUE RETURNED IS
ZERO.   MOST CASES IN THIS RANGE WERE CORRECTED BY
APAR 15024.

MODULE -- IHEEXS,IEMEXS

*
P20858   NL511

          COMPILER MAY TERMINATE WITH MESSAGE
IEM3852I OR PROGRAM CHECK IN MODULE IEMHK WHEN PUT DATA,
WITHOUT DATA LIST, IS USED AS A THEN CLAUSE.

MODULE -- IEMHK

*
P20872   AS037

          WHEN ALL CARDS IN THE SOURCE DECK HAVE
SOMETHING PUNCHED IN THE CONTINUATION COLUMN, THE
ASSEMBLER REGION IN MVT GOES INTO THE WAIT STATE.
THE WAIT IS CAUSED BY TRYING TO READ PAST THE EOD.

MODULE -- NONE

*
P20880   C2505

          SNAP NOT PERFORMING SATISFACTORY TESTS
FOR STORAGE PARAMETERS.   WHEN STORAGE OPERANDS ARE
ODD IN NUMBER AND GREATER THAN TWO, THE PROGRAM GETS
INTO A LOOP WHILE TESTING FOR THE ODD NUMBER OF OPERANDS.

MODULE -- SNAP

*
P20886   C2505

          PROGRAM CHECK INTERRUPTION OCCURS
IN PROLOG TO ABTERM BECAUSE OF AN INCORRECT ADDRESS
PASSED IN REG 1.

MODULE -- IEAAPL,IEAGPLOO

*
P20917   NL511

          WHEN THE LAST ITEM IN AN ARGUMENT LIST
PASSED TO AN ENTRY POINT IS THEN PASSED IN AN ARGUMENT
LIST TO ANOTHER ENTRY POINT BUT NOT AS THE LAST ITEM
IN THE ARGUMENT LIST IT IS STILL MARKED AS THE LAST
ITEM AND FURTHER ARGUMENTS ARE IGNORED.   NOTE THAT THE
SPURIOUS LAST ARGUMENT FLAG WILL ONLY BE DETECTED BY A
ROUTINE NOT WRITTEN IN PL/I WHICH EXPECTS A VARIABLE
LENGTH ARGUMENT LIST.

MODULE -- IEMOF,IEMOG,IEMOH

```
*
P20918            C2505
```

```
                  INCORRECT MACRO STATEMENTS'
  & NAME DS OH INSTEAD OF & NAME EQU OH
      LA  1,&MF./2/. INSTEAD OF  LA 1,&C1
```

MODULE -- SNAP

```
*
P20921            NL511
```

```
                  WHEN THE ARGUMENT TO THE BUILT-IN
  FUNCTION ADDR IS AN ELEMENT OF A CONTROLLED ARRAY
  THEN INCORRECT CODE IS GENERATED RESULTING IN EXECUTION
  ERRORS WHEN THE POINTER RESULT IS USED.
```

MODULE -- IEMMD

```
*
P20922            SM023
```

```
                  IF SORT IS INVOKED AND EITHER THE SORTIN
  DD CARD OR THE SORTOUT DD ./BUT NOT BOTH/. IS PRESENT
  SORT TERMINATES WITH MESSAGE IER043A - -DATA SET
  ATTRIBUTES NOT SPECIFIED-.
  MODULE IERRCI HAS BEEN CORRECTED TO ELIMINATE THIS
  PROBLEM.
```

MODULE -- NONE

```
*
P20945            F0500
```

```
                  PROGRAM WAS ./UNDER OPT EQ 2/. DESTROY-
  ING THE CONTENTS OF THE REGISTER ./USED AS A BASE
  REGISTER FOR LOADS/. WITH ONE AND NOT RELOADING IT FOR
  ITS USE AS A BASE.
```

MODULE -- NONE

```
*
P20949            D1508
```

```
  DUPLICATE RECORDS OCCUR IN BDAM DATA SET IF AN ERROR
  OCCURS WHILE WRITING.  THIS IS A RESULT OF THE ERROR
  RETRY STARTING AT THE BEGINNING OF THE CHANNEL PROGRAM
  WHICH CREATES A DUPLICATE RECORD.
```

MODULE -- NONE

```
*
P20952            RC541
```

```
                  MISPLACED CODE IN MODULE CAUSES OC1
   ABEND.
```

MODULE -- IKAINIT

```
*
P20969            UT506
```

```
                  DURING EXECUTION OF THE DUMP PORTION
  OF IEHDASDR, MESSAGE ' IEH822I INVALID TRACK ADDRESS
  SPECIFIED. DDNAME EQ DDNAME'  IS ISSUED ABNORMALLY.
  THIS SITUATION IS ENCOUNTERED WHEN DUMPING A STRIP
  OF A 2321 WITH AN ADDRESS OF GREATER THAN '05' ./ E.G.
  06,07, ETC. /. EVEN WHEN THE SUBCELL ADDRESS IS LESS
  THAN ' 13 ' .
```

MODULE -- IEHDDUMP

```
*
P20971            C5535
```

```
  IF A RDR ABENDS B37, TEMPORARY DATA SETS CREATED BY
  THE RDR ARE NOT DELETED.
```

MODULE -- NONE

*
P20972   NL511

IF A VALUE OF ZERO IS OUTPUT USING A P FORMAT ITEM WITH
DRIFTING SIGNS FOLLOWED BY V.99 THEN A SIGN IS PRINTED
INSTEAD OF THE DECIMAL POINT.

MODULE -- IHEUKF
P20975   C2505

FAIL SOFT DOES NOT CONVERT F11 OR F12 WAIT CODES.
THIS PROBLEM IS CORRECTED IN RELEASE 17 WITH THE FULL
SUPPORT OF FAIL SOFT.

MODULE -- NONE

*
P20982   C5505

          BACKWARD REFERENCE IN AN OVERRIDING
DD STATEMENT CAUSED JOB FAILURE.

MODULE -- NONE

*
P21006   I0526

          AN 80A ABEND IS RECEIVED WHEN BISAM,
READ K, DOES NOT FREE IOB-S FROM THE ERROR Q WITH PTF
19374 INSTALLED.

MODULE -- IGG019GX IGG019JX IGG019JV IGG019JW
*
P21014   ED510

          TRT IN MODULE IEWLEOPT GOES BEYOND
CORE IN MFT.

MODULE -- IEWLEOPT

*
P21026   F0520

          EXECUTION OF FORTRAN G PROGRAM TERMINATES
IN AN OC5 ABEND.
NO BYPASS WITHIN FORTRAN G IS AVAILABLE.

MODULE -- NONE

*
P21031   RC541

          JOB GJP071, BECAUSE OF AN ERROR, WAS
RESTARTED. THE ORIGINAL JOB THEN ABENDED. BECAUSE OF
A BIT IN ITS TCB, GFX RESTARTED IT AGAIN, RESULTING IN
TWO JOBS WITH THE SAME NAME.

MODULE -- IKASVC   IKASD082

*
P21042   RC541

          SINCE IKAPSMBO DOESN-T TEST THE RETURN
CODE PASSED TO IT, IT DIDN-T TERMINATE WHEN IT SHOULD
HAVE. THIS RESULTED IN DUPLICATE JOBNAMES.

MODULE -- IKAPSMBO

*
P21054   I0526

          DURING ISAM LOAD MODE WHEN THE
LAST ACTIVE TRACK INDEX GETS SPLIT WITH THE
NORMAL ENTRY AS THE LAST RECORD ON A TRACK AND
THE OVERFLOW ENTRY THE FIRST RECORD ON THE NEXT
TRACK, THE TRACK INDEX PADDING IS INCORRECT.

MODULE -- IGG0202L

*
P21055   I0526

          ISAM RESUME LOAD GIVES NO RECORD FOUND
WHEN EOF IS THE FIRST AND ONLY RECORD ON A STRIP.

MODULE -- IGG0296G IGG029GA IGG019GB IGG0202D

*
P21056   RC541

                    THE MODULE IKASCH PASSES A DUMMY
ECB TO THE READER/INTERPRETER. IF THE R/I-S
PROCESSING RESULTS IN AN 'IEF416I SPOOL FULL AND
WAITING' MESSAGE, THERE IS NO WAY TO ISSUE A STOP
COMMAND.

MODULE -- IKASCH

*
P21081   CI505

                    IEEVWTOR DID NOT CHECK THE PROTECT
KEY OF THE TCB WHICH ISSUED THE WTOR.

MODULE -- IEEVWTOR

*
P21082   CQ513

                    SET MODE COMMAND ISSUED BY IECTLOPN
HAS INCORRECT COMMAND CODE. AN I/O ERROR RESULTS.

MODULE -- IECTLOPN

*
P21115   LM512

                    FOR A PL/1 PROGRAM COMPILED AND
LINK EDITED UNDER VERSION 3 AND EXECUTED UNDER
VERSION 4 RELEASE 15/16 WHEN THERE IS A NORMAL
RETURN FROM AN ON UNIT FOR THE CONDITIONS KEY,
RECORD, ENDFILE, TRANSMIT, UNPREDICTABLE ERRORS
WILL OCCUR POSSIBLE IHE8041.

MODULE -- IHEITD,EITB,EITC,EITF,EITG,EITE

*
P21165   EQ500

UNDER OPT = 2, IN SOURCE PROGRAM WITH ONE DO-LOOP FOLLOWED
BY ANOTHER DO LOOP, UPON ENTRY TO SECOND DO LOOP REGISTER 7
IS LOADED FROM REGISTER 6 (THE BASE REGISTER OF THE FIRST
DO LOOP.) REGISTER 7 IS THEN ASSUMED TO CONTAIN THE ADCON O
A VARIABLE IN COMMON, CAUSING AN OC4 ABEND DURING EXECUTION

MODULE -- NONE

*
P21172   C3505

                    HALT I/O COMMAND WAS NOT ACCEPTED BY
A TP DEVICE. SYSTEM WENT INTO A WAIT STATE.

MODULE -- NONE

*
P21176   NL511

COMPILER MAY TERMINATE WITH IEM38561 IN MODULE IEMQU
IF SOURCE CONTAINS EXPLICIT UNALIGNED FIXED BINARY OR
FLOAT ARITHMETIC DATA THIS PROBLEM WILL ONLY OCCUR
WHEN A REFERENCE TO A PHYSICALLY UNALIGNED TARGET LIES
AT A TEXT BLOCK BOUNDARY ON INPUT TO MODULE IEMQU.

MODULE -- NONE

*
P21178   C5505

                    WHEN ALLOCATION RECOVERY OCCURS IN A
STEP WHICH SUBSEQUENTLY FAILS FROM LACK OF DIRECT
SPACE THE MESSAGE -IEF453I JOBNAME JOB FAILED - JCL
ERROR- IS NOT PRINTED TO THE CONSOLE.

MODULE -- IEFXJIMP

*
P21194   SM023

                    OSCILLATING SORTS WHICH USE PHASE ENCODED
TAPE DRIVES SOMETIMES TERMINATE WITH MESSAGE -SORT
CAPACITY EXCEEDED- BEFORE NMAX IS REACHED.

MODULE -- IERBGA   IERRCS   IERPCR

*
P21195   CQ503

                    BLKSIZES OF WORKFILES SYSUT 1,2,3 ARE
NOT SET UP PROPERLY IN DCB WHEN USING A MONITOR ROUTINE,
TO GET TO COBOL-E COMPILER. ./SIMILAR TO OS APAR
10600/.

MODULE -- NONE

*
P21201   CQ519

                WHEN A TERMINAL IS INTERCEPTED THROUGH A
RESTART, THE RELEASE IS NOT AFFECTIVE UNTIL AFTER A
MESSAGE HAS BEEN SENT. QLINK HAS NOT BEEN ZEROED TO
ALLOW RELEASEM TO RELEASE THE TERMINAL.

MODULE -- IGG0194A

*
P21207   CQ519

                0C6 ABEND MAY OCCUR WHEN MESSAGES ARE
PUT FROM ONE PROCESSING PROGRAM TO ANOTHER PROCESSING
PROGRAM. A DISK FORMATTED MESSAGE IS READ INTO CORE
CAUSING VARIABLE RESULTS.

MODULE -- IGG019NG

*
P21215   CQ519

A PROGRAM CHECK OCCURRED WHEN A STOPLN WAS ATTEMPTED
ON A LINE FOR WHICH A BREAKOFF WAS BEING ISSUED.

MODULE -- NONE

*
P21217   CQ519

                WHEN AUTO-POLLING A 2740 MOD 2 TERMINAL,
ONLY ONE MESSAGE IS SENT EVEN THOUGH MORE HAVE BEEN
QUEUED UP FOR THAT DESTINATION.

MODULE -- IGG019NG

*
P21218   CQ519

                THE EXPANSION OF A WTOR MACRO CONTAINS
ADDRESS CONSTANTS. THESE ADDRESS CONSTANTS ARE NOT
RELOCATED IF THE MODULE IS A TRANSCIENT ERROR RECOVERY
ROUTINE.

MODULE -- IGE0504F

*
P21250   CQ513

                TRANSLATE TABLE INCORRECT FOR 83B3
TELETYPE. IECTRCT1 HAS WRONG VALUE AT COORDINATES 3A.
IECTSCT1 HAS WRONG VALUE AT COORDINATES 6B.

MODULE -- ASMTRTAB

*
P21255   C2505

THE CHANNEL CHECK HANDLER (CCH) CAUSES A PROGRAM CHECK
SYSTEM 0C5 AND OS ENTERS THE WAIT STATE WITH A CODE OF
F03.

MODULE -- NONE

*
P21270   CQ513

DUPLICATE BLOCKS OF DATA RESULT WHEN BTAM UPDATES THE
ACKNOWLEDGEMENT POINTERS EVEN IF AN ERROR OCCURRED ON
THE READ TEXT OPERATION.

MODULE -- NONE

*
P21286   CQ513

                BTAM ERP DOES NOT HANDLE A TIME-OUT ON
AN ENABLE COMMAND.

MODULE -- IGE0204A

*
P21310   C5505

80A ABEND OCCURRED IF CONSOLE REQUEST BUTTON DEPRESSED
(I.E., CONSOLE ATTENTION INTERRUPTION CAUSED) WHILE
CHECKPOINT IS WRITING CORE TO TAPE.

MODULE -- NONE

*
P21334   C5505

                         THE REL 16 44K SCHEDULER ABENDS WITH
AN 80A IN A 64K CORE SYSTEM DUE TO CORE FRAGMENTATION.
THIS ONLY OCCURS WHEN A DD ASTERISK APPEARS IN THE
LAST STEP OF A JOB.

MODULE -- NONE

*
P21344   I0526

WKN INSTRUCTION AFTER READ K CAUSES WAIT DUE TO
FAILURE OF READ D TO DECREMENT DOWNACT FIELD.
MODULE IGG019GW HAS BEEN MODIFIED IN RELEASE 17 TO
CORRECT THE ABOVE PROBLEM.

MODULE -- NONE

*
P21356   C2505

FIRST LOAD OF ABEND IS UNABLE TO SUCCESSFULLY XCTL TO THE
LAST LOAD UPON A NORMAL END BECAUSE THE RB REG IS INCORRECT.

MODULE -- IEAATM00

*
P21368   C2505

A NO CORE CONDITION AT TIME OF ORIGINAL PROGRAM CHECK
RESULTS IN 2 SVRB'S BEING ,STOLEN, FROM USER CORE. ABEND
DOES NOT SET SECOND STEAL BIT CORRECTLY WHICH RESULTS IN A
MULTIPLE ABEND AND SUBSEQUENT DESTRUCTION OF RB CHAIN.

MODULE -- NONE

*
P21381   C2505

                         WHEN REG 8 IS LOADED WITH THE ADDRESS
OF THE DCB FROM THE DEB THE HIGHORDER BYTE IS NOT
CLEARED. A SUBSEQUENT COMPARE AND BRANCH IS EFFECTIVELY
A NOP, BECAUSE THE HIGH-ORDER BYTE ALWAYS CONTAINS AN F
TO DESIGNATE THE BLOCK IS A DEB.

MODULE -- IEAATM02 IEAATM2A

*
P21400   C3505

PURGE LEAVES THE UCBNRY FLAG ON IF A REQUEST IS DEQUEUED
FOR THAT DEVICE. NO 'INTERVENTION REQUIRED' MESSAGE
WILL BE ISSUED IF THE NEXT JOB REQUIRES THE SAME DEVICE,
SO THE DEVICE CANNOT BE MADE READY. WAIT STATE OCCURS.

MODULE -- NONE

*
P21415   C5505

                         CHECKPOINT/RESTART FAILS TO COMPLETE A
RESTART WHEN A 2321 DATA CELL IS IN USE BY THE PROBLEM
PROGRAM.

MODULE -- NONE

*
P21420   C6535

CHANNEL WITH DRUM TO SYSRES, FASTER THAN MOD 75 CPU
UNDER HASP.

MODULE -- IEWFETCH

*
P21423   C2535

                         A F03 WAIT OCCURS BECAUSE OF TIMING
CONSIDERATIONS IN RUNNING ROLL OUT IN AN ASP ENVIRON-
MENT. THE F03 IS DIRECTLY RELATED TO A PROGRAM CHECK IN
RORI.

MODULE -- NONE

*
P21448   NL511

GENERATED CODE EXECUTES A PUT EDIT STATEMENT INCORRECTLY
WHEN THE FORMAT DATA ITEM HAS A LENGTH OF ZERO, AND WHEN
MULTIPLE FORMAT ITEMS HAS BEEN SPECIFIED. WE HAVE BEEN
UNABLE TO REPRODUCE THE ERROR ON RELEASE 16.

MODULE -- NONE

*
P21463   C3505

MISSING RECORDS DURING COMPILE USING SHARED DASD, WHEN AN
ERROR OCCURS. THE INTERRUPT FROM THE RELEASE COMMAND
CAUSES THE UCBERR FLAG TO BE TURNED OFF ALLOWING ANOTHER
DATA SET ON THE SAME DEVICE TO BE ACCESSED.

MODULE -- NONE

*
P21464   C3505

IN A SHARED DASD ENVIRONMENT, IF A CHANNEL PROGRAM HAS AN
IMBEDDED HEAD SEEK AND THE FIRST TRACK IS A BAD TRACK
FOR WHICH AN ALTERNATE HAS BEEN ASSIGNED, IOS ERRONEOUSLY
ALLOWS A HEAD SWITCH FROM THE ALTERNATE TRACK TO OCCUR.
THIS CAUSES THE CHANNEL PROGRAM TO CONTINUE OPERATION ON
THE WRONG TRACK.

MODULE -- IECIOS

*
P21470   NL511

                    COMPILER TERMINATES WITH MESSAGE
   IEM38561 PROGRAM CHECK TYPE 1 IN PHASE QJ, IF
   SOURCE CONTAINS A DIMENSIONED POINTER VARIABLE WITH
   ADJUSTABLE BOUNDS.

MODULE -- NONE

*
P21477   DN529

                    ON A CHANNEL CHECK, SER1 GETS CONTROL
   AND GATHERS INFORMATION ABOUT THE FAILURE. SER1
   ATTEMPTS TO GET THE TCB RELATED TO THE CHANNEL CHECK BY
   GETTING THE UCB OF THE DEVICE RELATED TO THE FAILURE.
   FROM THE UCB IT PICKS UP THE RQE AND FROM THERE IT PICKS
   UP THE DEB. FROM THE DEB IT TRIES TO PICK UP THE TCB
   POINTER. THE TCB POINTER IN THE DEB WAS NOT CONSTRUCTED
   AND A PROGRAM CHECK OCCURRED WHEN SER1 WAS TRYING TO
   ACCESS THIS TCB.
   SER1 FOR MVT IN RELEASE 17 WAS CHANGED TO PICK THE TCB
   POINTER FROM THE RQE RATHER THAN DEB. THIS INSURES
   THAT A VALID ADDRESS IS OBTAINED.

MODULE -- NONE

*
P21499   UT506

                    IEHPROGM WILL ABNORMALLY TERMINATE
   WITH AN OC7 COMPLETION CODE WHEN THE EXECUTE CARD
   FOR THE UTILITY CONTAINS PARAMETERS.
   IEHPROGM HAS BEEN IMPLEMENTED IN RELEASE 17 TO
   HANDLE PARAMETERS FOUND IN THE PARM FIELD OF THE
   EXECUTE CARD. INVALID PARAMETERS ARE NOW IGNORED
   AND EXECUTION IS RESUMED AS NORMAL.

MODULE -- NONE

*
P21503   CI535

                    OF2 ABEND INSTEAD OF A MORE DESCRIPTIVE
   60A WHEN FREEMAIN DETECTS A BAD ADDRESS IN REGISTER
   7 RELEASE 17 WILL ISSUE A 60A OR AOA IN THIS CASE.

MODULE -- NONE

*
P21509   F0500

AN EXTRANEOUS GENERATED LABEL 200001
IS SOMETIMES CREATED BY THE REL 16 COMPILER. THIS
LABEL IS DELETED AT THE END OF COMPILATION AND THUS
DOES NOT APPEAR IN THE PSEUDO-ASSEMBLY OR CROSS-
REFERENCE LISTING BUT MSGIEK61CI WILL APPEAR FOR
THAT LABEL IF IT WAS GENERATED DURING THE COMPILATION.

MODULE -- NONE

*
P21525   C5505

THE MESSAGE IEF289I IS NOT DOCUMENTED
IN THE MESSAGES AND CODES MANUAL C28-6631-5.
THE FOLLOWING ADDITION HAS BEEN MADE TO THE MESSAGES
AND CODES MANUAL'
EXPLANATION' AN INVALID PARAMETER WAS DETECTED WHILE
BUILDING A SYSTEM MESSAGE BLOCK FOR JOB JJJ. FOR
EXAMPLE, THE ADDRESS OF THE SYSTEM MESSAGE BLOCK WAS
ZERO, THE MESSAGE LENGTH WAS ZERO, OR THE ADDRESS OF
THE MESSAGE EXCEEDED THE MAXIMUM MAIN STORAGE ADDRESS.
SYSTEM ACTION' NO MESSAGE IS PLACED INTO A SYSTEM MESSAGE
BLOCK. PROCESSING CONTINUES.
OPERATOR RESPONSE' REPORT THIS MESSAGE TO THE PROGRAMMER.
IF AN ACCOUNTING ROUTINE EXISTS IN THE SYSTEM, HE SHOULD
RESUBMIT THE JOB. IF THE ERROR PERSISTS, HE WOULD CALL
A CUSTOMER ENGINEER.

MODULE -- NONE

*
P21550   AS037

WHEN PTF 19077 IS APPLIED TO
A PCP SYSTEM, AN 80A ABEND OCCURS WHENEVER
IEUF2 ATEMPTS TO XCTL TO IEUF3

MODULE -- NONE

*
P21558   CB524

THE BLOCK CONTAINS ZERO FEATURE
MAY NOT BE USED WITH VARIABLE RECORDS SINCE THE
COBOL COMPILER WILL TREAT THE CLAUSE LITERALLY
AND ADD FOUR AS IT DOES FOR ALL OTHER CASES OF
VARIABLE LENGTH RECORDS. THE RELEASE 17 VERSION
OF THE COBOL F PROGRAMMING GUIDE WILL HAVE A MORE
COMPLETE DISCUSSION OF THE BLOCK CONTAINS ZERO
CLAUSE.

MODULE -- NONE

*
P21575   NL511

MESSAGE IEM38561- PROGRAM CHECK TYPE 6
IN PHASE FV OR FX WILL RESULT WHEN A BASED STRUCTURE IS
LIKENED TO A STRUCTURE, WHERE EITHER BUT NOT BOTH
ARE DIMENSIONED.

MODULE -- NONE

*
P21581   I0526

WITH PTF 19374 APPLIED, CUSTOMER GOES INTO WAIT STATE
ON FIRST WRITE KN.

MODULE -- NONE

*
P21598   C5505

THE READER/INTERPRETER ACCEPTS THE
VOLUME PARAMETER WITH MULTIPLE VOLUME SERIAL NUMBERS
WHICH ARE NOT ENCLOSED IN PARENTHESES.

MODULE -- NONE

*
P21618   F0500

          UNDER OPT 2 THE COMPILER GENERATES A STD
AND A LD INSTRUCTION FOR THE VALUE -10000.0 IN A Q-TEMP-
ORARY. THE DOUBLE WORD INSTRUCTIONS ARE UNNECESSARY.
THEY SHOULD BE STE AND LE. EXECUTION ABENDS BECAUSE
THE Q-TEMPORARY IS NOT A DOUBLE WORD BOUNDARY.
WE WERE UNABLE TO REPRODUCE THIS PROBLEM USING OPT 2
ON BOTH RELEASE 16 AND RELEASE 17. THE PROBLEM SEEMS
TO BE IN PTF 19132 WHICH HAS BEEN CORRECTED ON THE
UPDATE PACKAGE JUST RELEASED. AN IMMEDIATE BYPASS IS
TO REMOVE PTF 19132.

MODULE -- NONE

*
P21620   NL511

SEVERE ERROR MESSAGE IEM08491 IS PRODUCED IF A FUNCTION
ARGUMENT IS A MINOR STRUCTURE AND IF A LATER MINOR
STRUCTURE OF THE SAME MAJOR STRUCTURE HAS A LEVEL NUMBER
GREATER THAN OR EQUAL TO THAT OF THE MINOR STRUCTURE
BEING PASSED AS AN ARGUMENT.

MODULE -- NONE

*
P21627   C3505

          IOS VALIDITY CHECKS UCB BY TESTING FOR
X-F0- AT UCB PLUS 2. PROGRAM CHECK OCCURS IF UCB
ADDRESS IS NOT VALID BUT A X-F- IS AT THE INVALID
ADDRESS PLUS 2.

MODULE -- NONE

*
P21663   AS037

WHEN PTF 17835 IS APPLIED, THE ASSEMBLER ABENDS DURING
MOST ASSEMBLIES.

MODULE -- NONE

*
P21664   DM508

          THE CUSTOMER OBTAINED A SOURCE DECK OF
MODULE IGGC190I FROM PID TO MODIFY HIS SYSTEM. THE
SOURCE DECK AND LISTINGS ARE MISSING FOUR INSTRUCTIONS
ASSOCIATED WITH PTM 122 WHICH IS INCLUDED IN THE
OBJECT CODE ON THAT RELEASE.

MODULE -- NONE

*
P21681   F0500

          REGISTER USED AS A BASE REGISTER FOR A
SUBSCRIPTED ARRAY CREAMED AND NOT RESTORED BEFORE A LOAD
UNDER OPT EQ 2.

MODULE -- NONE

*
P21682   C3505

          IF HIO IS ISSUED TO A SHARED DASD DEVICE
IOS MAY PROGRAM CHECK WHEN ATTEMPTING CHANNEL RESTART
AFTER THE INTERRUPT FROM THE HIO.

MODULE -- IECIOS

*
P21732   F0500

UNDER OPT =2, REGISTER 8 IS USED AS THE BASE REGISTER FOR
A DO-LOOP, AND IS NOT LOADED WITH THE ADCON OF THE
VARIABLE INACT BEFORE IT IS USED AS ITS BASE REGISTER
UPON EXITING FROM THE DO-LOOP.

MODULE -- NONE

*
P21753   F0500

                    UNDER OPT 2 THERE IS AN ABEND DURING
  COMPILATION IN PHASE 20.

MODULE -- NONE

*
P21789   F0500

DYNAMICALLY SUBSCRIPTED I/O LIST GENERATES BAD CODE.
VARIABLE SUBSCRIPT WRITTEN AS 8 ASTERISK ./J-1/. PLUS I/.,
COMPUTES AS IF IT WERE WRITTEN 8 ASTERISK ././J-1/. PLUS8/

MODULE -- NONE

*
P21791   C5535

A WAIT STATE MAY OCCUR IF A JOB IS CANCELED WHILE AN OUT-
STANDING DATACELL MOUNT REQUEST HAS NOT BEEN SATISFIED.

MODULE -- NONE

*
P21835   UT506

WHEN AN ERROR IS ENCOUNTERED IN THE PROCESSING OF A
MEMBER WHEN USING IEBUPDTE, THE ERROR MSG'S AND DATA WILL
BE PRINTED ON THE SAME PAGE AS THE LAST GOOD MEMBER
UPDATE.

MODULE -- NONE

*
P21841   CQ519

WITH 2740 DIAL AND 2740 DIAL WITH CHECKING TERMINALS, THE
TERMINAL DISCONNECTS BEFORE ANY MESSAGES ARE SENT FROM THE
DESTINATION QUEUE. IF CALL = NONE IS SPECIFIED NO MESSAGES
ARE RECEIVED AT THE TERMINAL.

MODULE -- IGG019NY IGG019NN

*
P21843   CQ519

A PROGRAM CHECK OCCURRED BECAUSE ON-LINE TEST WAS FREEING
A BUFFER AND THEN ATTEMPTING TO RETRIEVE INFORMATION
FROM THE BUFFER. THIS CAUSED THE POSTING IOF AN
ACTIVE LCB TO ITSELF TO ACTIVATE IT. THIS PROBLEM
COULD ALSO CAUSE A BRB TO BE PLACED ON THE INACTIVE BRB
QUEUE WITH A BAD LINK FIELD.

MODULE -- NONE

*
P21852   CQ519

A LOOP OCCURRED IN THE END-OF POLL TIME DELAY ROUTING
BECAUSE A SPECIAL 2740 MODEL 2 ECB WAS PLACED ON THE
TIME DELAY QUEUE TWICE.

MODULE -- NONE

*
P21887   C9505

WHEN THE SIZE PARAMETER WAS OMITTED IN THE SYSGEN MACRO,
PL1, THE DEFAULT WAS 45056 INSTEAD OF 999999 AS STATED
IN THE SYSGEN MANUAL.

MODULE -- PL1

*
P21899   DN533

C.E. COM MACRO FOR OLTEP WAS WRITTEN FOR SINGLE LINE
2-WAY MESSAGES. WHEN MORE THAN ONE LINE WAS USED IN
UNIT TESTS ONLY LAST LINE OF MESSAGE WOULD APPEAR
ON CONSOLE BECAUSE OF NESTED DPRINT FOR 1WAY
COMMUNICATION.

MODULE -- NONE

*
P21905   F0500

UNDER OPT=2, IF A WRITE STATEMENT OF THE FORM
'IF (MODI.EG.0) WRITE (6,10) VAR1,VAR2' IS REMOVED
FROM A DO-LOOP LEAVING 'MOD' FUNCTION AS THE
LAST EXECUTABLE STATEMENT IN THE LOOP FORTRAN
EXECUTION LOOPS.

MODULE -- NONE

*
P21913   F0500

INVALID ACCONS WERE GENERATED CAUSING EQUIVALENCE
VARIABLES TO BE INCORRECTLY ASSIGNED.

MODULE -- NONE

*
P21923   UT506

IEHINITT WILL ABEND WITH A OC4 COMPLETION CODE WHEN AN I/O
ERROR OCCURS ON THE VOLUME TO BE LABELED. MESSAGE
IEA000I I/O ERR,XXX WILL BE PRINTED ON THE CONSOLE.

MODULE -- NONE

*
P21965   C2505

ABEND DETECTS INCORRECT RB ON ACTIVE RB CHAIN BUT DOES
NOT RESET RB FLAG INDICATING THAT RB POINTS TO TCB.
THIS RESULTS IN A POST PROGRAM CHECK.

MODULE -- IEAATM02

*
P22170   I0526

RESUME LOAD OVERLAYS LAST CYLINDER INDEX.

MODULE -- NONE

*
P22176   RG038

IN RELEASE 15/16, FULL TRACK BLOCKING IS NOT UTILIZED
ON A 2314. ALSO 2311 AND 2314 CANNOT BE USED
INTERCHANGABLY.

MODULE -- NONE

*
P22215   C5535

DURING A WARM START IEFSD302 AT OFFSET X'39E' GOES
INTO A ONE INSTRUCTION CLOSED SYSTEM LOOP BECAUSE
OF THE BRANCH INSTRUCTION ,BAD10   B BAD10.,

MODULE -- NONE

*
P22228   I0526

RESUME LOAD OVERLAYS LAST CYLINDER INDEX.

MODULE -- NONE

*
P22295   C3505

              -

P IF CHANNEL RESTART IS ENTERED DUE TO A C.U. END, AND
PA C. U. BUSY CONDITION IS RECEIVED FROM A DIFFERENT
PDEVICE, XCPBTE IS SET SO THAT NO DEVICE WHICH HAD
PPREVIOUSLY RECEIVED C. U. BUSY CAN BE STARTED.

MODULE -- NONE

*
P22337   C5505

MODULE IEFYNIMP CONTAINS REDUNDANT CODE.

MODULE -- NONE

*
P22443   UT506

THE SYSUT1,OLD MASTER DATA SET IS USED INCORRECTLY
WITH THE REPL FUNCTION.
                    *** THIS IS THE END OF PROSE EXTRACTION OUTPUT.

THE FOLLOWING PROGRAMMING TEMPORARY FIXES HAVE B
RESOLVED IN RELEASE 17 EITHER BY NORMAL SCHEDULED MAINTENANCE
OR BY UPDATES TO THE DISTRIBUTION LIBRARY TAPES.

DESCRIPTIONS OF THOSE PROBLEMS RESOLVED THROUGH OLIB UPDATES
FOLLOW THIS LIST IN NUMERIC SEQUENCE BY PTF NUMBER.

PTF NUMBER	COMPONENT	SCHED FIX	COMMENTS
09674-14	CI-505	17	SCHEDULED FIX
09674-16	CI-505	17	SCHEDULED FIX
14632-15	CO-503	17	SCHEDULED FIX
15319-14*	CI-505	17	SCHEDULED FIX
15319-16	C2-505	17	SCHEDULED FIX
15780-14	CI-505	17	SCHEDULED FIX
15780-16	CI-505	17	SCHEDULED FIX
15823-16	DN-533	17	SCHEDULED FIX
15951-14	CI-505	17	SCHEDULED FIX
15951-16	CI-505	17	SCHEDULED FIX
16019-15	CO-503	17	SCHEDULED FIX
16399-14	CQ-513	17	SCHEDULED FIX
16408-16**	FO-500	17	SCHEDULED FIX
16429-14	UT-506	17	SCHEDULED FIX
16480-16**	FO-500	17	SCHEDULED FIX
16665-16	DM-508	17	SCHEDULED FIX
16810-14	UT-506	17	SCHEDULED FIX
17060-14*	UT-506	17	SCHEDULED FIX
17077-16	C5-505	17	SCHEDULED FIX
17087-16	CI-505	17	SCHEDULED FIX
17101-16**	FO-500	17	SCHEDULED FIX
17113-16**	FO-500	17	SCHEDULED FIX
17371-17	CI-535	17	SCHEDULED FIX
17464-16	CI-535	17	SCHEDULED FIX
17490-16	CI-505	17	SCHEDULED FIX
17718-16	SM-023	17	SCHEDULED FIX
17752-16	CQ-513	17	SCHEDULED FIX
17766-16	CQ-519	17	SCHEDULED FIX
17835-14	AS-037	17	SCHEDULED FIX
18064-16*	CQ-519	17	SCHEDULED FIX
18106-14	IO-526	17	SCHEDULED FIX
18106-16	IO-526	17	SCHEDULED FIX
18119-14	CI-535	17	SCHEDULED FIX
18263-16	SM-023	17	SCHEDULED FIX
18360-15*	LM-512	17	SCHEDULED FIX
18367-16	LM-512	17	SCHEDULED FIX
18377-16	NL-511	17	SCHEDULED FIX
18396-16	NL-511	17	SCHEDULED FIX
18397-16	LM-512	17	SCHEDULED FIX
18445-14	DM-508	17	SCHEDULED FIX
18445-16	DM-508	17	SCHEDULED FIX
18705-16**	FO-500	17	SCHEDULED FIX
18833-13	CQ-519	17	SCHEDULED FIX
18864-16**	FO-500	17	SCHEDULED FIX
18886-14	C8-505	17	SCHEDULED FIX
18886-16	C8-505	17	SCHEDULED FIX
18916-14	DM-508	17	SCHEDULED FIX
18925-16	CI-505	17	SCHEDULED FIX
18930-13	CQ-519	17	SCHEDULED FIX

18931-14	CI-505	17	SCHEDULED FIX
18931-16	CI-505	17	SCHEDULED FIX
18937-14	CI-535	17	SCHEDULED FIX
18949-16**	FO-500	17	SCHEDULED FIX
18963-16	CI-535	17	SCHEDULED FIX
18987-14	DM-508	17	SCHEDULED FIX
18988-14	CI-505	17	SCHEDULED FIX
18988-16	CI-505	17	SCHEDULED FIX
18994-16**	FO-500	17	SCHEDULED FIX
19020-16**	FO-500	17	SCHEDULED FIX
19077-16	AS-037	17	SCHEDULED FIX
19132-16**	FO-500	17	SCHEDULED FIX
19157-16**	FO-500	17	SCHEDULED FIX
19186-16**	FO-500	17	SCHEDULED FIX
19214-16*	CQ-513	17	SCHEDULED FIX
19260-16	CI-505	17	SCHEDULED FIX
19266-16	CI-505	17	SCHEDULED FIX
19287-14	CI-505	17	SCHEDULED FIX
19317-16	CI-535	17	SCHEDULED FIX
19340-13	CQ-519	17	SCHEDULED FIX
19346-16	CQ-519	17	SCHEDULED FIX
19374-14	IO-526	17	SCHEDULED FIX
19386-16**	FO-500	17	SCHEDULED FIX
19392-16	CI-505	17	SCHEDULED FIX
19394-16	CI-505	17	SCHEDULED FIX
19454-16	FO-520	17	SCHEDULED FIX
19454-15	FO-520	17	SCHEDULED FIX
19521-14	DM-508	17	SCHEDULED FIX
19522-16	LM-512	17	SCHEDULED FIX
19526-16	CI-505	17	SCHEDULED FIX
19542-16	C2-505	17	SCHEDULED FIX
19561-13	CQ-519	17	SCHEDULED FIX
19597-16	CI-535	17	SCHEDULED FIX
19609-16	CI-505	17	SCHEDULED FIX
19669-16	CI-535	17	SCHEDULED FIX
19707-16	SM-023	17	SCHEDULED FIX
19717-16	FO-520	17	SCHEDULED FIX
19723-16	CI-535	17	SCHEDULED FIX
19727-16	LM-501	17	SCHEDULED FIX
19732-16	CI-505	17	SCHEDULED FIX
19754-16	UT-506	17	SCHEDULED FIX
19774-15	C2-535	17	SCHEDULED FIX
19798-16	DM-508	17	SCHEDULED FIX
19817-16	SM-023	17	SCHEDULED FIX
19832-16	CI-535	17	SCHEDULED FIX
19853-14	CQ-513	17	SCHEDULED FIX
19880-16	FO-520	17	SCHEDULED FIX
19893-16	NL-511	17	SCHEDULED FIX
19901-14	ED-510	17	SCHEDULED FIX
19902-16	C5-535	17	SCHEDULED FIX
19903-17	CI-505	18	APPLIED TO DLIBS
19968-16	ED-521	17	SCHEDULED FIX
20057-14	DM-508	17	SCHEDULED FIX
20077-16	C5-535	17	SCHEDULED FIX
20092-14	DM-508	17	SCHEDULED FIX
20092-16	DM-508	17	SCHEDULED FIX
20130-16	FO-500	17	SCHEDULED FIX
20143-16	CQ-513	17	SCHEDULED FIX
20301-16	C5-505	17	SCHEDULED FIX
20360-16	CI-505	17	SCHEDULED FIX

20396-16	CQ-519	17	SCHEDULED FIX
20408-16	CQ-519	17	SCHEDULED FIX
20421-16	CI-505	17	SCHEDULED FIX
20454-16	C5-505	17	SCHEDULED FIX
20473-16	FO-500	18	APPLIED TO DLIBS
20557-16	LM-537	18	APPLIED TO DLIBS
20588-16	CI-535	17	SCHEDULED FIX
20737-16	LM-512	17	SCHEDULED FIX
20745-16	CI-535	17	SCHEDULED FIX
20800-16	CQ-519	17	SCHEDULED FIX
20811-16	UT-506	17	SCHEDULED FIX
20873-16	DM-508	18	APPLIED TO DLIBS
20886-16	CI-505	17	SCHEDULED FIX
20935-17	LM-537	18	APPLIED TO DLIBS
21207-16	CQ-519	17	SCHEDULED FIX
21301-16	PT-516	18	APPLIED TO DLIBS
21550-16	AS-037	17	SCHEDULED FIX
21682-16	C3-505	17	SCHEDULED FIX
21765-16	FO-500	18	APPLIED TO DLIBS
21939-17	IO-523	18	APPLIED TO DLIBS
22661-17	DM-508	18	APPLIED TO DLIBS

* - APPLIED TO DLIBS OS RELEASE 15/16 PRIOR TO SHIPMENT.
** - APAR FIXED IS FORTRAN UPDATE PACKAGE.

PTF 19903-16   C5505

     A SYSTEM CANNOT BE SYSGENED WITH GREATER THAN 248 DEVICES.

PTF 20473-16   FO5C0

     UNDER OPT EQ 1 OR 2, AN I/O STATEMENT WITH AN IMPLIED DO LOOP MAY
BE INCORRECTLY COMPILED, CAUSING MESSAGE IHC904I DURING EXECUTION. THIS
MESSAGE APPEARS BECAUSE NO I/O CLOSING STATEMENT FINAL BAL TO THE I/O
ROUTINE HAS BEEN GENERATED IN THE OBJECT CODE, CAUSING A MULTIPLE ENTRY INTO THE
I/O ROUTINE. IN THE OBJECT CODE, BAL IS CORRECTLY GENERATED WOULD HAVE
APPEARED AS THE FIRST INSTRUCTION AT THE LABEL FOLLOWING THE I/O LOOP.
AN EXAMPLE OF A SITUATION IN WHICH THIS STATEMENT WOULD BE ERRONEOUSLY
OMITTED IS WHEN THE I/O STATEMENT IS FOLLOWED BY A STATEMENT REQUIRING
VARIABLE SUBSCRIPT CALCULATIONS.

PTF 20557-16   LM537

     MODULE DOES NOT CHECK RETURN CODES AFTER USING FACILITIES OF BASIC
GRAPHICS. WHEN THE RETURN CODES AFFECT A SIO, THE WAIT ISSUED IS NOT
POSTED. BECAUSE THE I/O WAS NOT STARTED PROPERLY, A PERMANENT WAIT STATE
OCCURS.

PTF 20873-16   DM508

     WHEN A SECOND EXTEND FOR A SPLIT CYLINDER DATA SET HAS A LOWER
DISK ADDRESS THAN THE FIRST EXTEND, THE SCRATCH MODULE IGG0290B LOSES THE
FORMAT 6 DSCB.

PTF 20935-16 LM537

        LIGHT PEN ATTENTIONS ON VALID DATA SETS ARE NOT ALWAYS RECOGNIZED
BY THE RQATN MODULE, CAUSING BLOCKAGE OF PROBLEM PROGRAM PROCESSING.

PTF 21301-16 PT516

        THE TESTRAN INTERPRETER MAY ABNORMALLY TERMINATE WITH A 0F2 COMPLETION
CODE WHEN TESTRAN IS USED ON SEVERAL LOAD MODULES IN ONE PROBLEM PROGRAM.
THE ERROR OCCURS WHEN A TEST CLOSE STATEMENT IS EXECUTED UPON LEAVING ONE
MODULE AND A TEST OPEN STATEMENT IS EXECUTED UPON ENTERING ANOTHER MODULE.

PTF 21765-16 F0500
        AN EXTERNAL FUNCTION OR SUBROUTINE NAME PASSED TO A SUBROUTINE AND
RECEIVED AS A CALL BY NAME ARGUMENT WILL NOT BE INITIALIZED IN THE PARAMETER
LIST WHEN THIS CALL BY NAME ARGUMENT IS PASSED TO A LOWER LEVEL SUBROUTINE.

PTF 21939-16 I0523

        SYSTEM QUEUE SPACE IS BEING DESTROYED. WQES FOUND A END OF FQE CHAIN
CAUSING AN ABEND ON A GETMAIN.

PTF 22661-17 DM-508

        AFTER REJECTING A 1600 BPI TAPE SL FOR VALID REASONS, IT WILL
REQUEST AND ONLY ACCEPT 800 BPI TAPE.